

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059578.D
 Acq On : 24 Jul 2018 18:45
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Quant Time: Jul 25 05:41:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 05:39:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	142919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	181494	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	145223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	72730	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.98	65	127730	124.09	ug/l	0.00
Spiked Amount			Recovery	=	248.18%	
35) Dibromofluoromethane	5.50	113	114551	81.13	ug/l	0.00
Spiked Amount			Recovery	=	162.26%	
50) Toluene-d8	8.68	98	247506	77.16	ug/l	0.00
Spiked Amount			Recovery	=	154.32%	
62) 4-Bromofluorobenzene	11.92	95	111194	86.20	ug/l	0.00
Spiked Amount			Recovery	=	172.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.30	85	104502	92.254	ug/l	100
3) Chloromethane	1.45	50	54817	95.973	ug/l	100
4) Vinyl Chloride	1.52	62	61230	110.351	ug/l	97
5) Bromomethane	1.75	94	13636	157.378	ug/l	87
6) Chloroethane	1.82	64	31897	153.799	ug/l	99
7) Trichlorofluoromethane	2.03	101	114416	114.803	ug/l	100
8) Diethyl Ether	2.31	74	21153	123.068	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.50	101	59110	109.460	ug/l	99
10) Methyl Iodide	2.64	142	76374	107.900	ug/l	97
11) Tert butyl alcohol	3.23	59	24381	720.607	ug/l	97
12) 1,1-Dichloroethene	2.49	96	44916	105.009	ug/l	98
13) Acrolein	2.43	56	11703	337.965	ug/l	93
14) Allyl chloride	2.88	41	102539	130.427	ug/l	98
15) Acrylonitrile	3.31	53	57469	671.146	ug/l	96
16) Acetone	2.57	43	96611	764.684	ug/l	99
17) Carbon Disulfide	2.71	76	175973	116.710	ug/l	98
18) Methyl Acetate	2.90	43	39591	102.648	ug/l	100
19) Methyl tert-butyl Ether	3.36	73	146405	98.921	ug/l	100
20) Methylene Chloride	3.03	84	51116	84.079	ug/l	98
21) trans-1,2-Dichloroethene	3.33	96	50137	94.478	ug/l	97
22) Diisopropyl ether	4.02	45	255017	98.932	ug/l	97
23) Vinyl Acetate	3.97	43	820002	618.061	ug/l	99
24) 1,1-Dichloroethane	3.92	63	168581	98.003	ug/l	99
25) 2-Butanone	4.80	43	139719	561.658	ug/l	100
26) 2,2-Dichloropropane	4.75	77	173469	150.262	ug/l	97
27) cis-1,2-Dichloroethene	4.76	96	90479	84.900	ug/l	96
28) Bromochloromethane	5.10	49	66664	106.733	ug/l	100
29) Tetrahydrofuran	5.14	42	65971	536.055	ug/l	99
30) Chloroform	5.28	83	202257	102.347	ug/l	99
31) Cyclohexane	5.54	56	115740	97.463	ug/l	96
32) 1,1,1-Trichloroethane	5.46	97	203307	115.084	ug/l	99
36) 1,1-Dichloropropene	5.70	75	132247	87.366	ug/l	96
37) Ethyl Acetate	4.88	43	71169	106.529	ug/l	98
38) Carbon Tetrachloride	5.68	117	178596	94.786	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.25	83	121962	83.117	ug/l	97
40) Benzene	5.98	78	258896	73.697	ug/l	99
41) Methacrylonitrile	5.08	41	34682	103.458	ug/l #	96
42) 1,2-Dichloroethane	6.08	62	166226	110.334	ug/l	100
43) Isopropyl Acetate	7.59	43	94717	102.654	ug/l	95
44) Trichloroethene	6.94	130	99585	64.627	ug/l	96
45) 1,2-Dichloropropane	7.31	63	75094	84.117	ug/l	97
46) Dibromomethane	7.43	93	64283	91.869	ug/l	95
47) Bromodichloromethane	7.71	83	152480	92.822	ug/l	100
48) Methyl methacrylate	7.47	41	65664	106.270	ug/l	96
49) 1,4-Dioxane	7.45	88	11533	1755.867	ug/l #	91
51) 4-Methyl-2-Pentanone	8.57	43	309358	499.615	ug/l	99
52) Toluene	8.77	92	159683	70.726	ug/l	98
53) t-1,3-Dichloropropene	9.16	75	133301	101.600	ug/l	97
54) cis-1,3-Dichloropropene	8.33	75	137060	95.023	ug/l	97
55) 1,1,2-Trichloroethane	9.43	97	63638	78.070	ug/l	97
56) Ethyl methacrylate	9.29	69	79377	89.602	ug/l	99
57) 1,3-Dichloropropane	9.64	76	106237	83.970	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.16	63	180753	450.026	ug/l	100
59) 2-Hexanone	9.76	43	223647	503.181	ug/l	99
60) Dibromochloromethane	9.93	129	112755	77.086	ug/l	99
61) 1,2-Dibromoethane	10.07	107	80115	83.524	ug/l	98
64) Tetrachloroethene	9.49	164	92693	47.590	ug/l	96
65) Chlorobenzene	10.70	112	205456	71.834	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.83	131	92438	75.863	ug/l	98
67) Ethyl Benzene	10.84	91	356644	83.347	ug/l	100
68) m/p-Xylenes	10.99	106	234888	150.430	ug/l	99
69) o-Xylene	11.39	106	110110	72.479	ug/l	92
70) Styrene	11.42	104	183214	72.982	ug/l	98
71) Bromoform	11.58	173	80451	71.573	ug/l	99
73) Isopropylbenzene	11.76	105	365168	93.698	ug/l	100
74) N-amyl acetate	11.63	43	130708	125.418	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.07	83	75585	96.248	ug/l	96
76) 1,2,3-Trichloropropane	12.10	75	84212	104.037	ug/l	100
77) Bromobenzene	12.03	156	103060	67.693	ug/l	89
78) n-propylbenzene	12.14	91	427731	94.833	ug/l	99
79) 2-Chlorotoluene	12.20	91	266310	99.207	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	292669	97.072	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.83	75	23600	133.358	ug/l	96
82) 4-Chlorotoluene	12.31	91	294609	98.687	ug/l	93
83) tert-Butylbenzene	12.57	119	321103	97.242	ug/l	92
84) 1,2,4-Trimethylbenzene	12.62	105	305075	97.450	ug/l	100
85) sec-Butylbenzene	12.74	105	358283	96.116	ug/l	98
86) p-Isopropyltoluene	12.87	119	305422	89.542	ug/l	98
87) 1,3-Dichlorobenzene	12.83	146	168788	68.474	ug/l	98
88) 1,4-Dichlorobenzene	12.91	146	166626	68.980	ug/l	96
89) n-Butylbenzene	13.19	91	282297	99.041	ug/l	97
90) Hexachloroethane	13.38	117	86162	94.327	ug/l	80
91) 1,2-Dichlorobenzene	13.18	146	137372	67.385	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.76	75	17369	131.877	ug/l	75

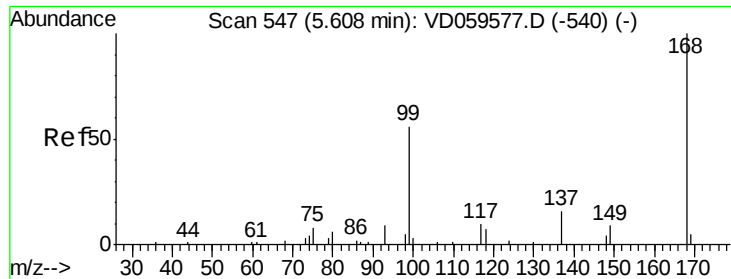
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072418\
Data File : VD059578.D
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.33	180	124347	70.203	ug/l	98
94) Hexachlorobutadiene	14.43	225	97435	74.900	ug/l	98
95) Naphthalene	14.51	128	173347	80.780	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	114186	72.434	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 547

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

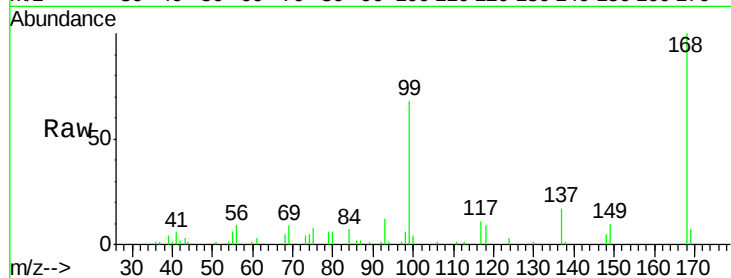
VSTDIC075

Tot Ion:168 Resp: 142919

Ion Ratio Lower Upper

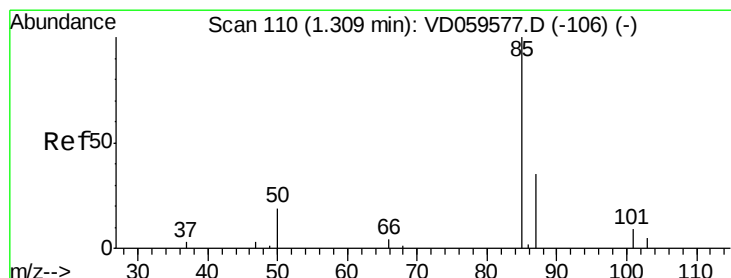
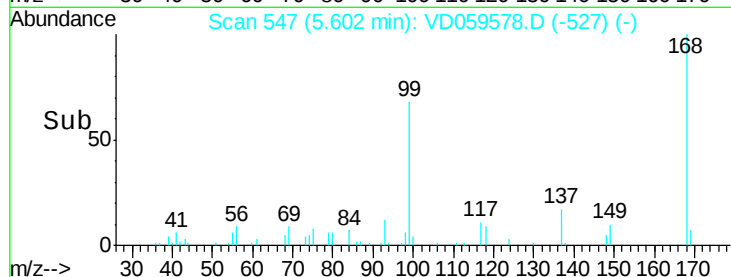
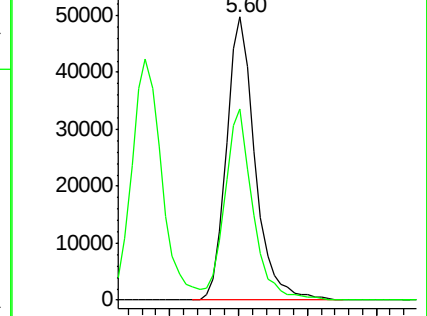
168 100

99 67.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 92.254 ug/l

RT: 1.30 min Scan# 110

Delta R.T. -0.01 min

Lab File: VD059578.D

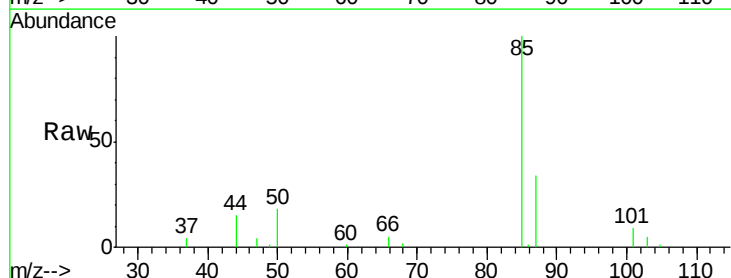
Acq: 24 Jul 2018 18:45

Tgt Ion: 85 Resp: 104502

Ion Ratio Lower Upper

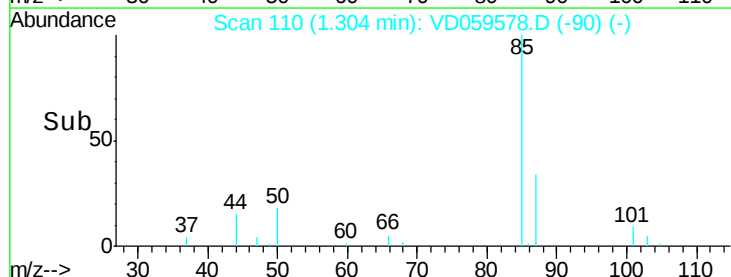
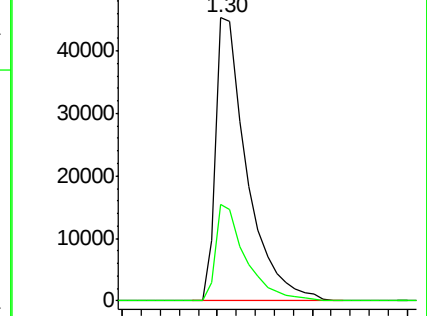
85 100

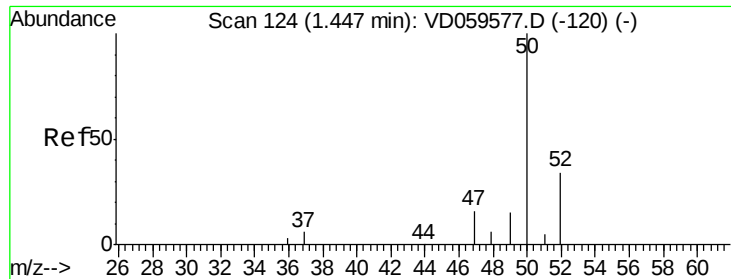
87 34.2 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 95.973 ug/l

RT: 1.45 min Scan# 125

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

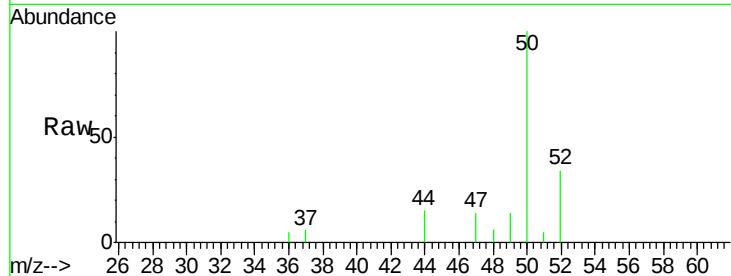
VSTDIC075

Tot Ion: 50 Resp: 54817

Ion Ratio Lower Upper

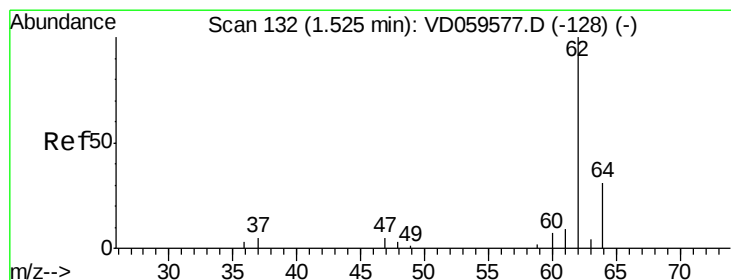
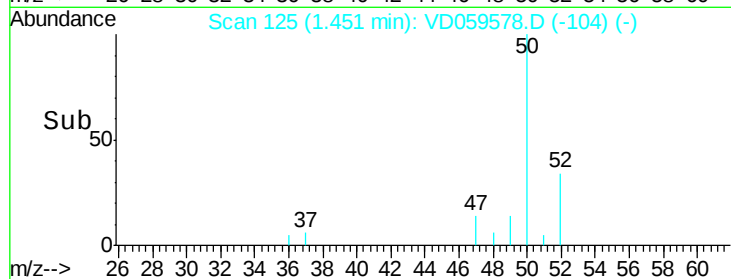
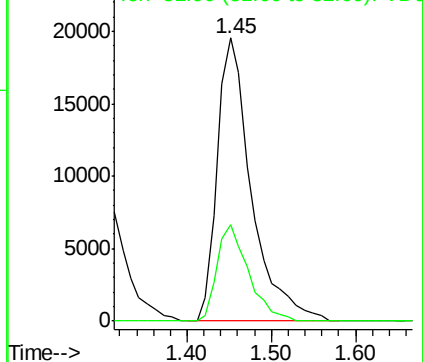
50 100

52 34.0 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 110.351 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.01 min

Lab File: VD059578.D

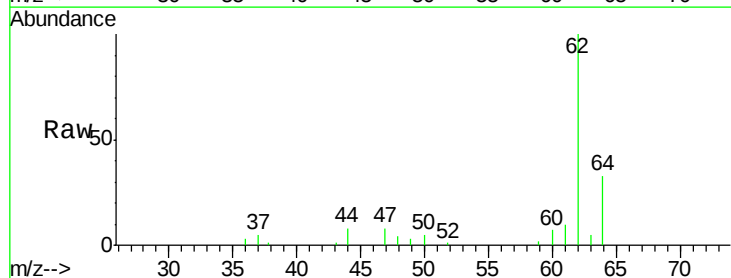
Acq: 24 Jul 2018 18:45

Tgt Ion: 62 Resp: 61230

Ion Ratio Lower Upper

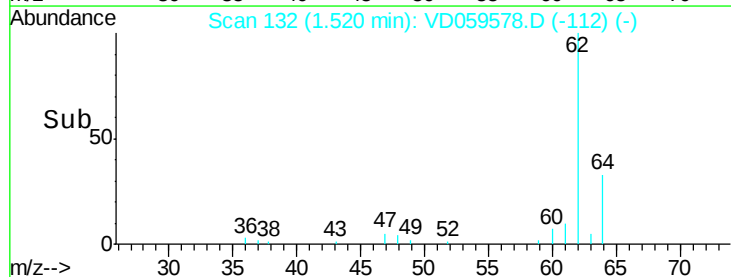
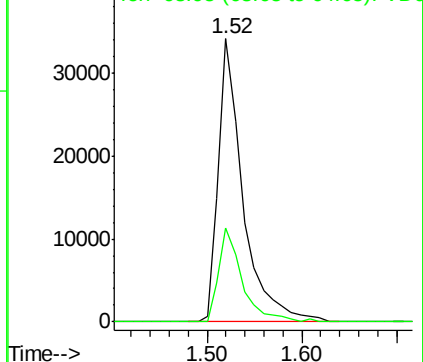
62 100

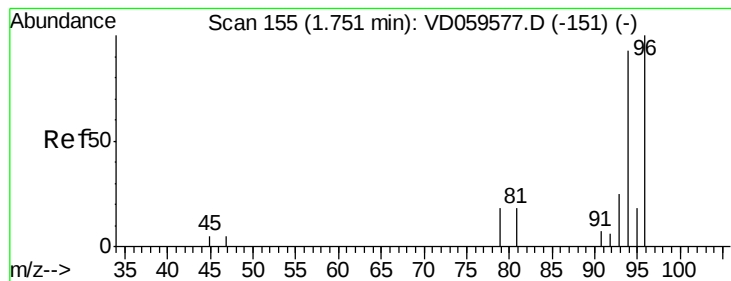
64 33.0 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 157.378 ug/l

RT: 1.75 min Scan# 155

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

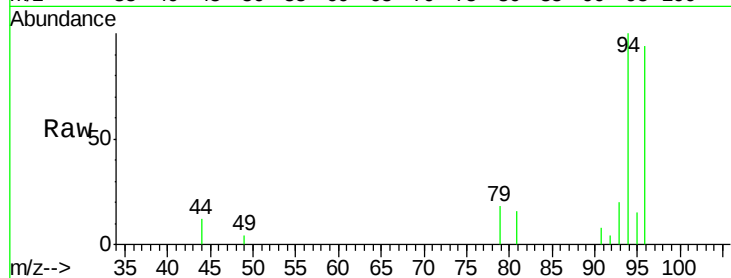
VSTDIC075

Tot Ion: 94 Resp: 13636

Ion Ratio Lower Upper

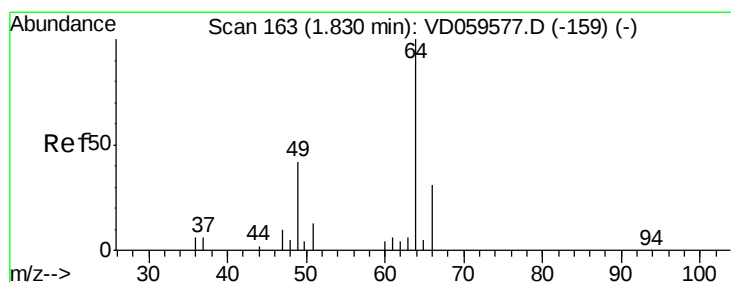
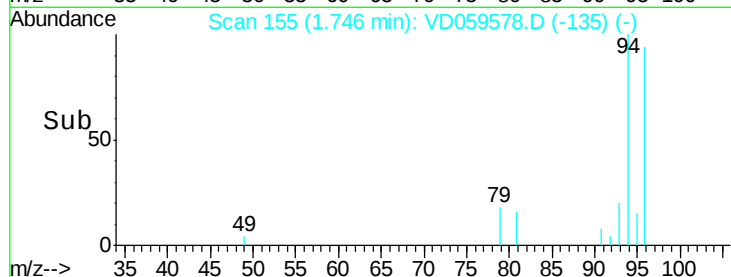
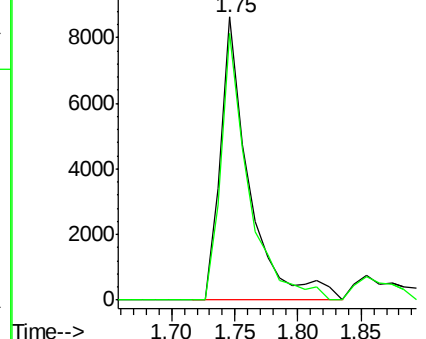
94 100

96 94.2 86.2 129.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 153.799 ug/l

RT: 1.82 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD059578.D

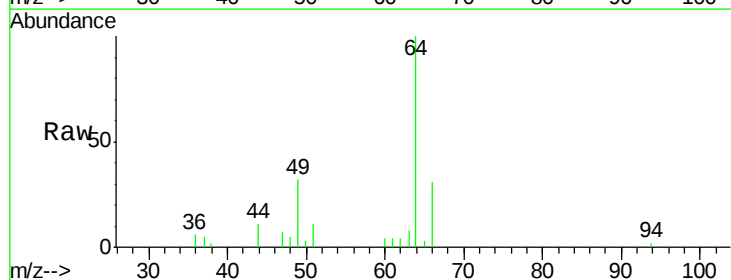
Acq: 24 Jul 2018 18:45

Tgt Ion: 64 Resp: 31897

Ion Ratio Lower Upper

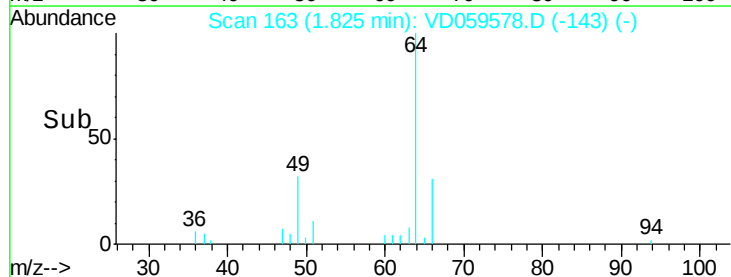
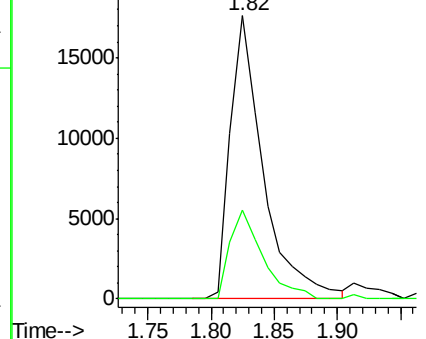
64 100

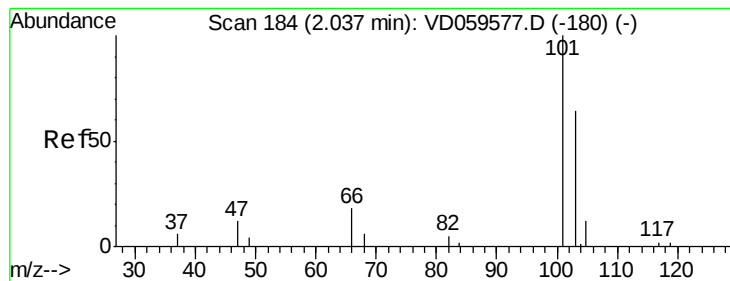
66 31.2 25.2 37.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



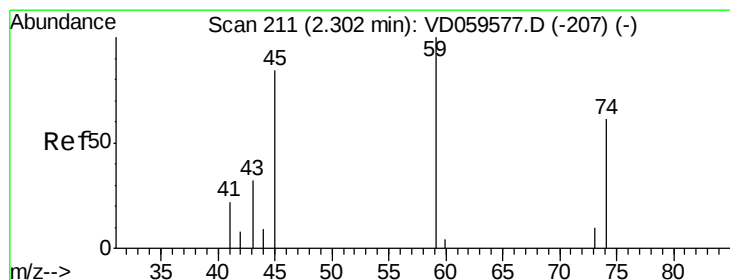
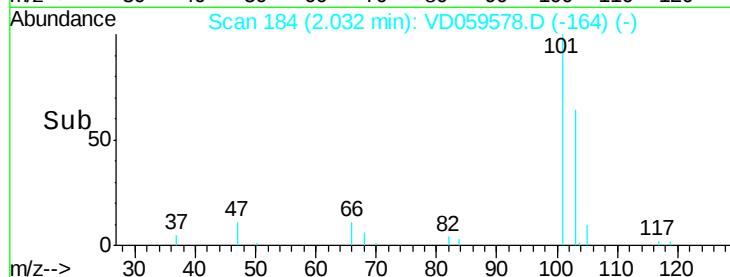
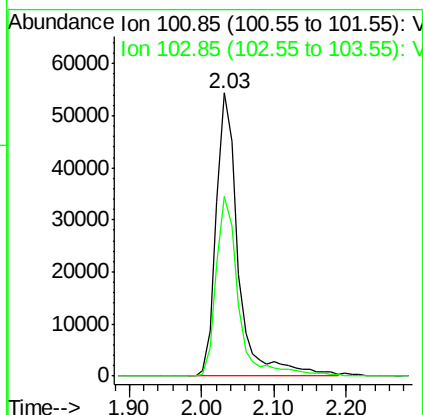
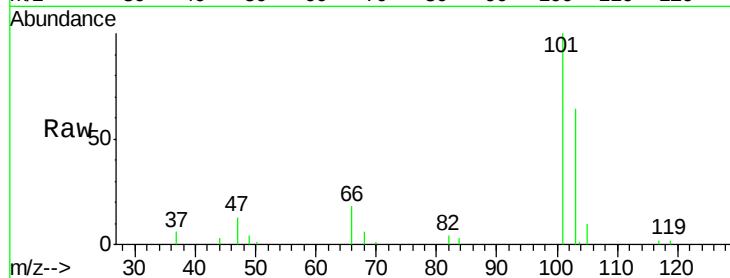


#7

Trichlorofluoromethane
 Concen: 114.803 ug/l
 RT: 2.03 min Scan# 184
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Instrument :
 MSVOA_D
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 VSTDIC075

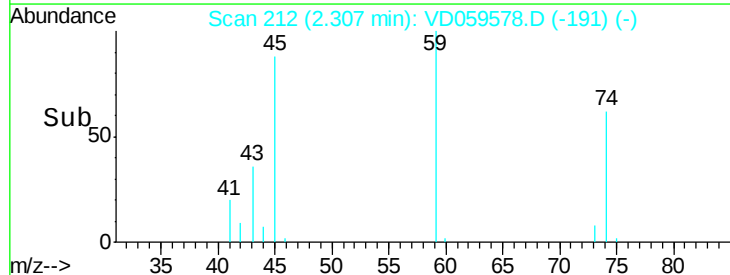
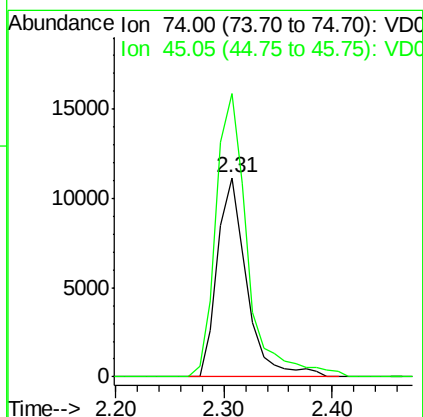
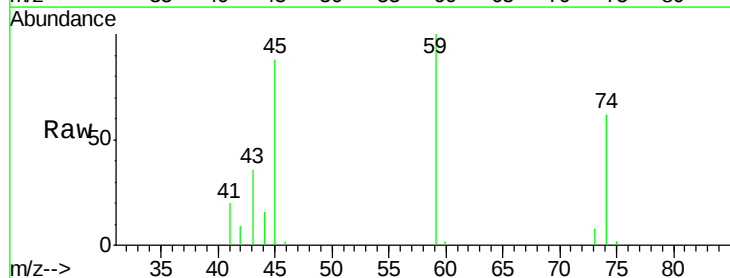
Tot Ion:101 Resp: 114416
 Ion Ratio Lower Upper
 101 100
 103 63.6 50.9 76.3

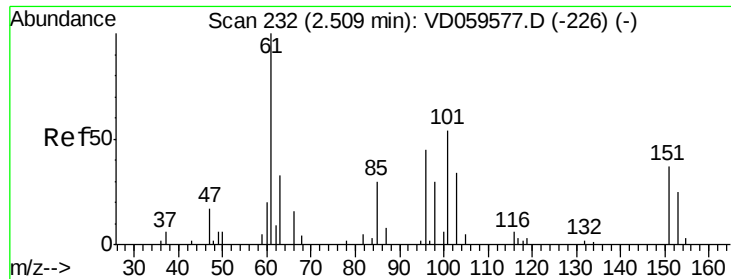


#8

Diethyl Ether
 Concen: 123.068 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 74 Resp: 21153
 Ion Ratio Lower Upper
 74 100
 45 142.0 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 109.460 ug/l

RT: 2.50 min Scan# 232

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

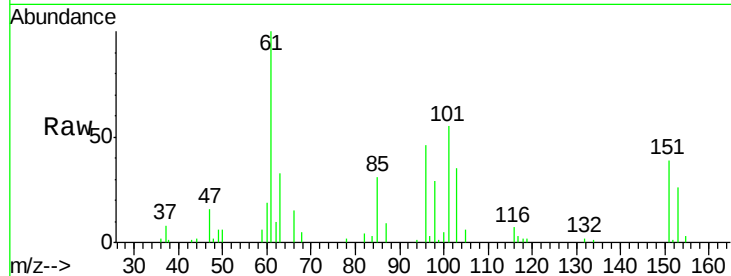
Tot Ion:101 Resp: 59110

Ion Ratio Lower Upper

101 100

85 56.0 44.5 66.7

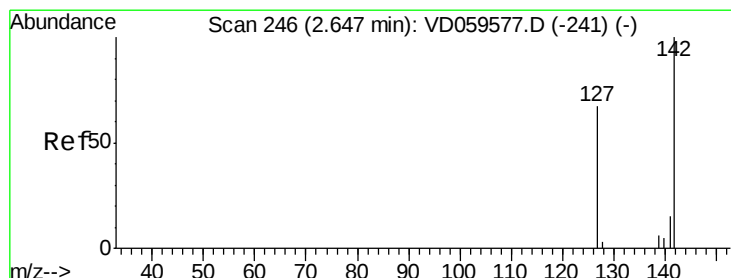
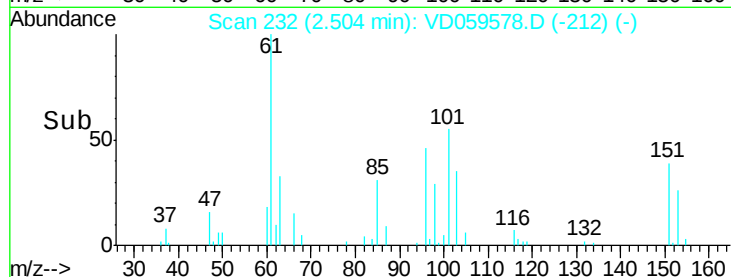
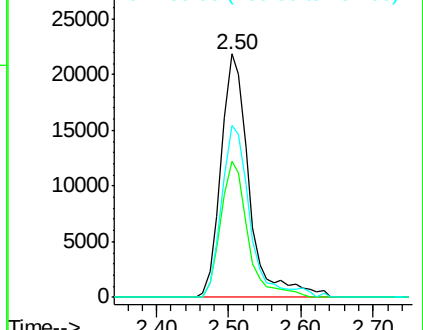
151 70.5 55.4 83.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 107.900 ug/l

RT: 2.64 min Scan# 246

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

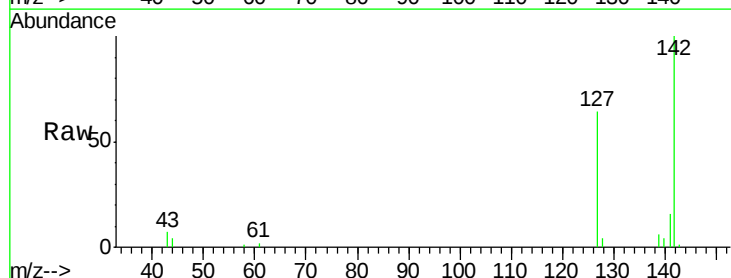
Tgt Ion:142 Resp: 76374

Ion Ratio Lower Upper

142 100

127 64.3 53.6 80.4

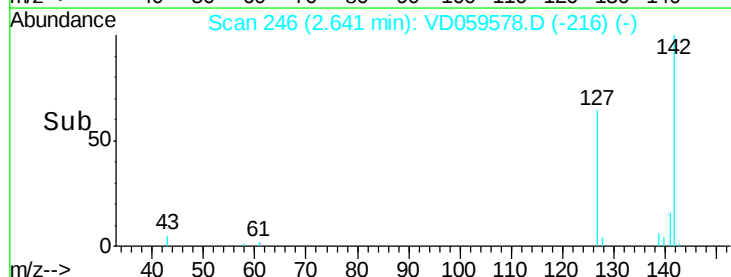
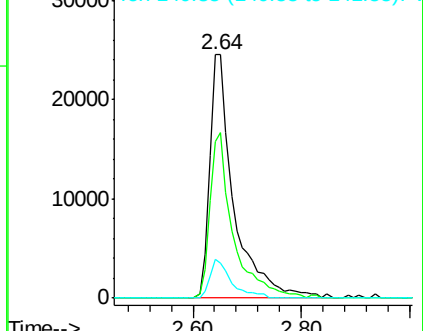
141 15.9 12.2 18.2

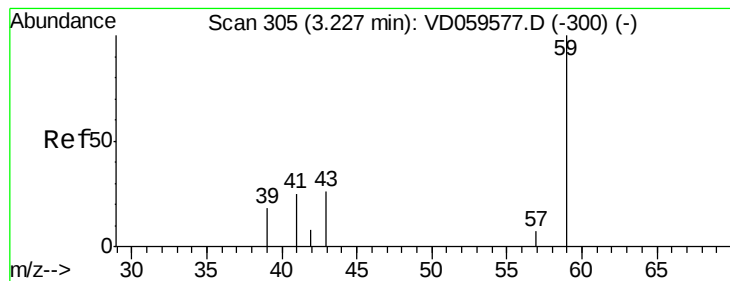


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



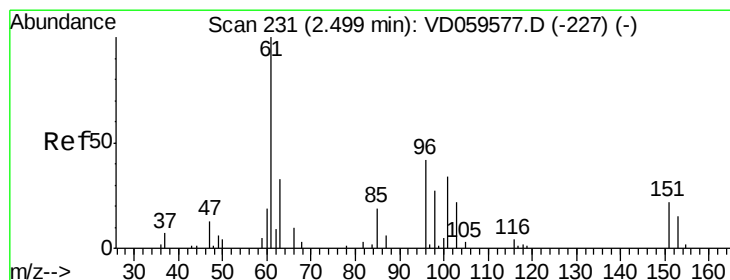
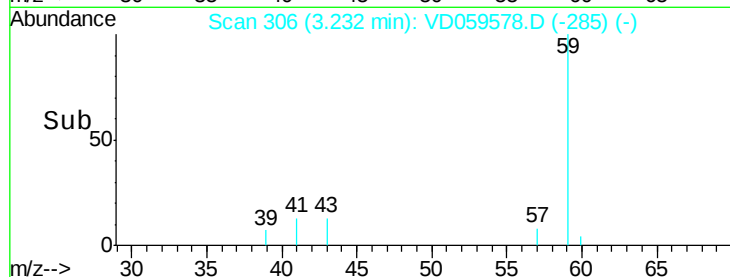
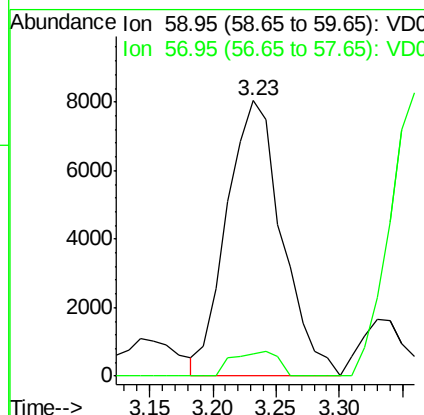
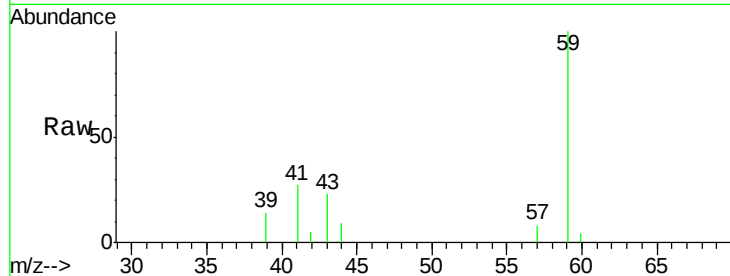


#11

Tert butyl alcohol
 Concen: 720.607 ug/l
 RT: 3.23 min Scan# 306
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

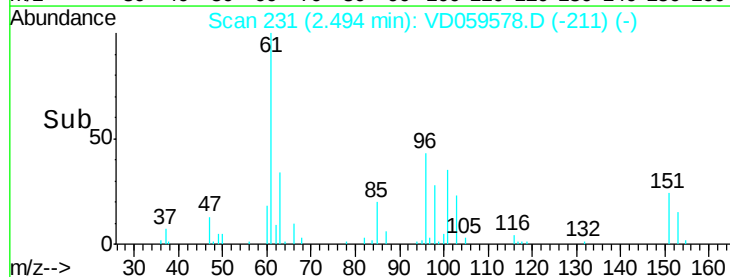
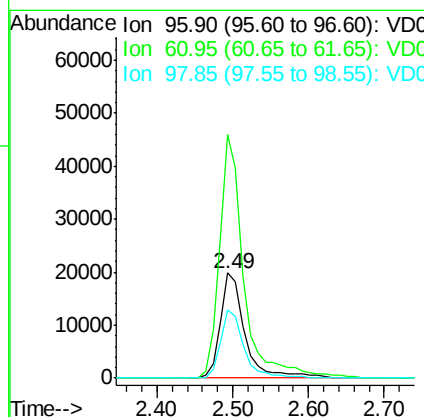
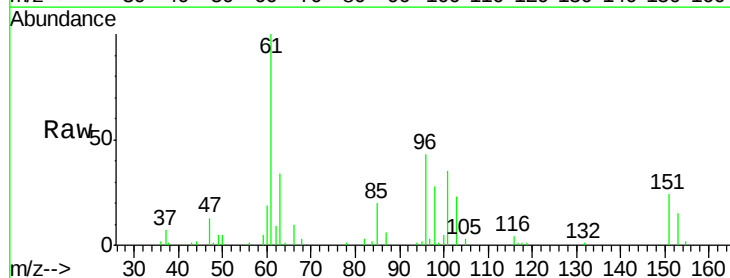
Tot Ion: 59 Resp: 24381
 Ion Ratio Lower Upper
 59 100
 57 8.0 5.5 8.3

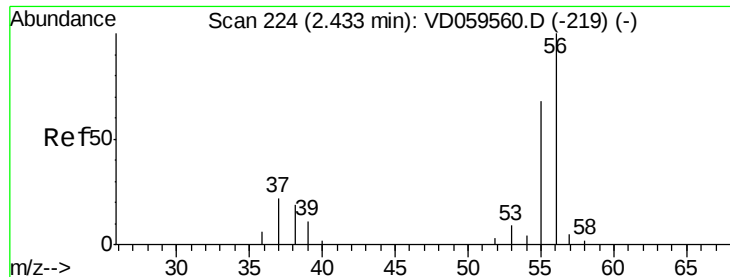


#12

1,1-Dichloroethene
 Concen: 105.009 ug/l
 RT: 2.49 min Scan# 231
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 96 Resp: 44916
 Ion Ratio Lower Upper
 96 100
 61 231.5 188.8 283.2
 98 65.1 51.4 77.2





#13

Acrolein

Concen: 337.965 ug/l

RT: 2.43 min Scan# 225

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

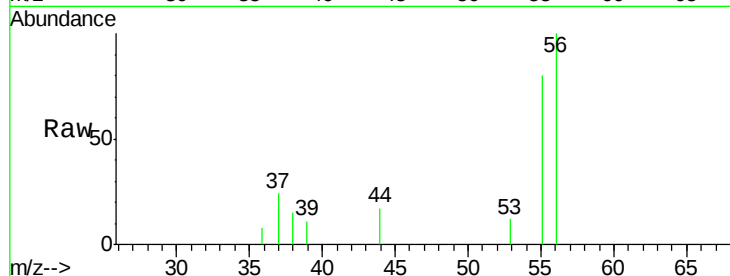
VSTDIC075

Tot Ion: 56 Resp: 11703

Ion Ratio Lower Upper

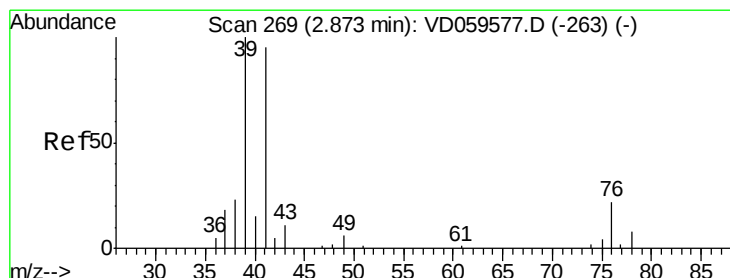
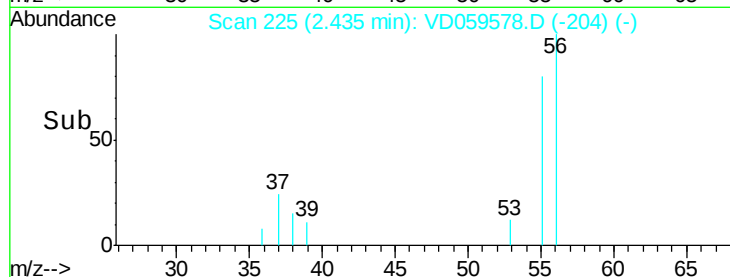
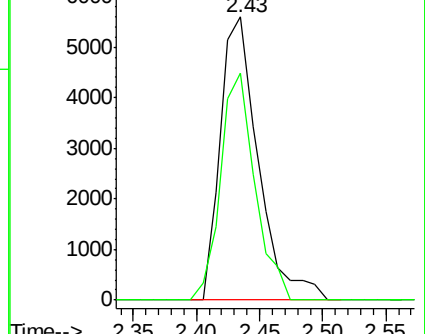
56 100

55 80.1 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 130.427 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

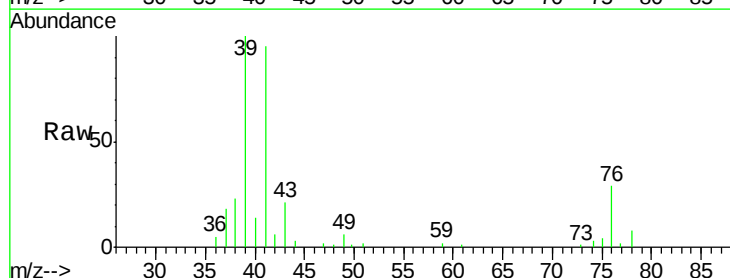
Tgt Ion: 41 Resp: 102539

Ion Ratio Lower Upper

41 100

39 105.8 83.8 125.8

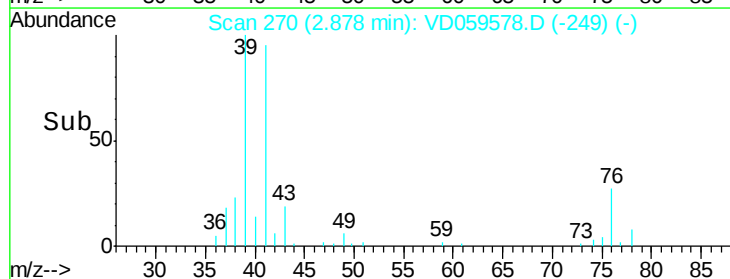
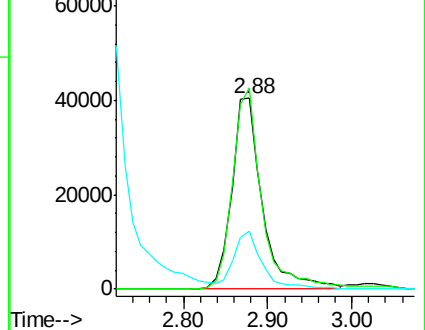
76 30.3 22.2 33.4

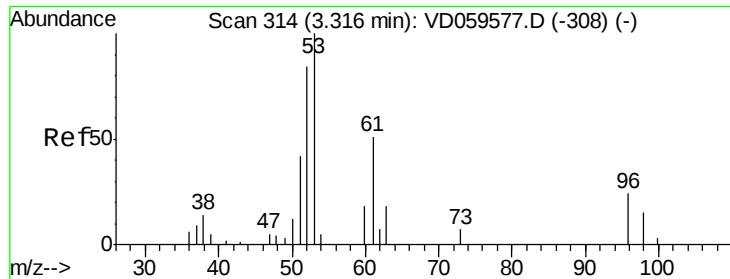


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 671.146 ug/l

RT: 3.31 min Scan# 314

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

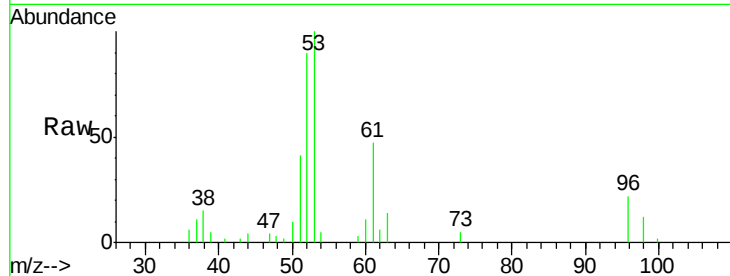
Tot Ion: 53 Resp: 57469

Ion Ratio Lower Upper

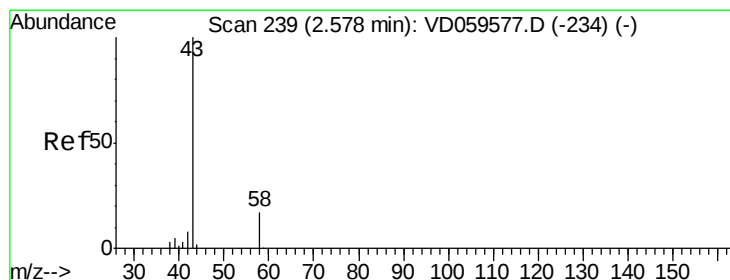
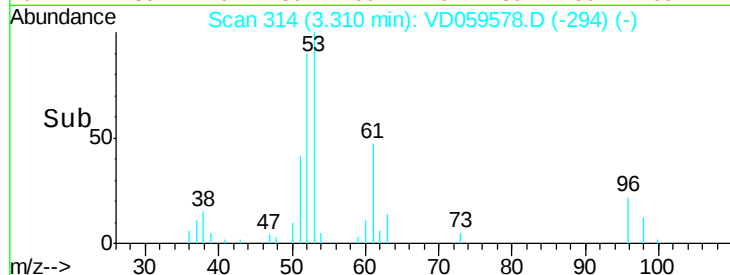
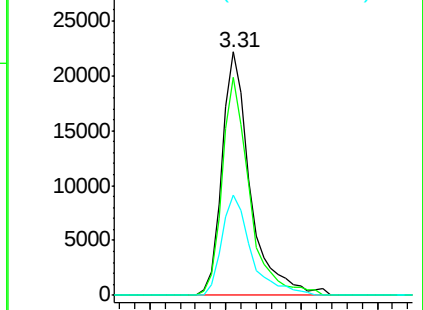
53 100

52 89.5 67.6 101.4

51 41.1 33.7 50.5



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 764.684 ug/l

RT: 2.57 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059578.D

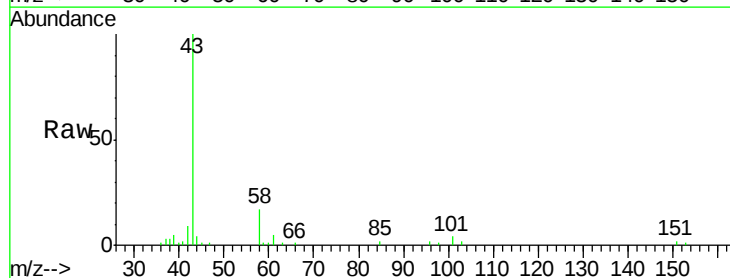
Acq: 24 Jul 2018 18:45

Tgt Ion: 43 Resp: 96611

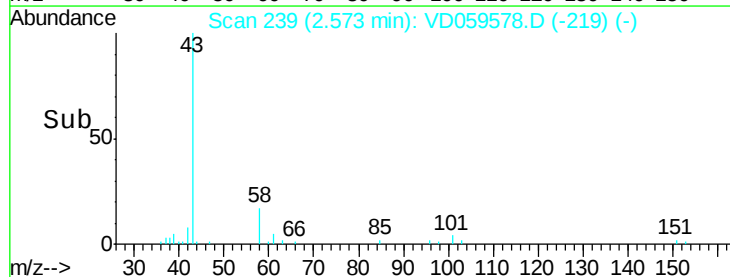
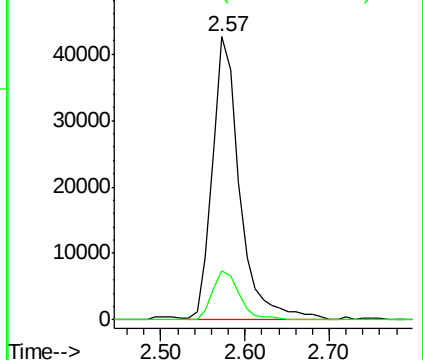
Ion Ratio Lower Upper

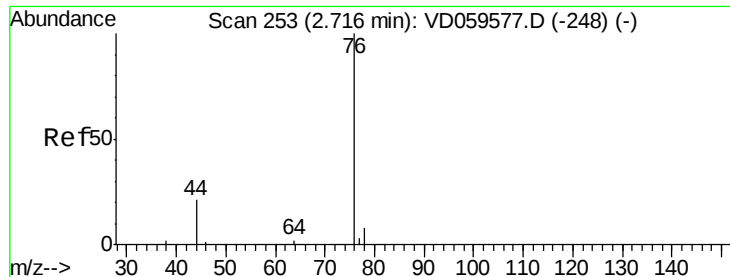
43 100

58 17.2 13.4 20.0



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

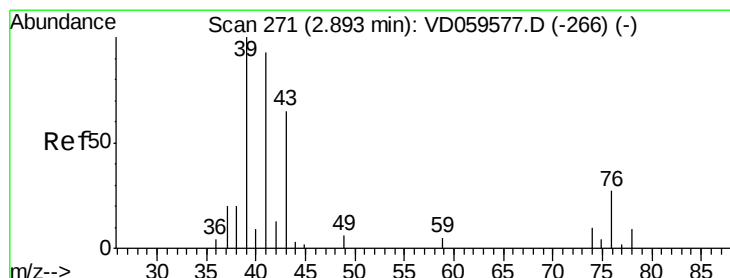
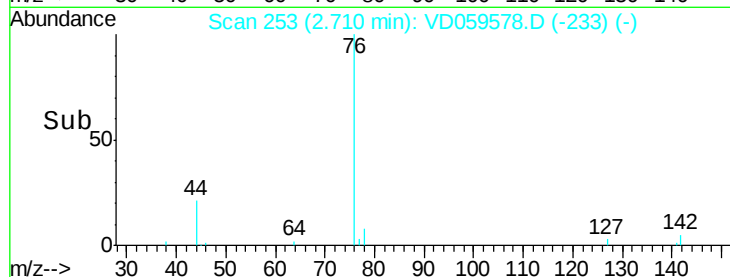
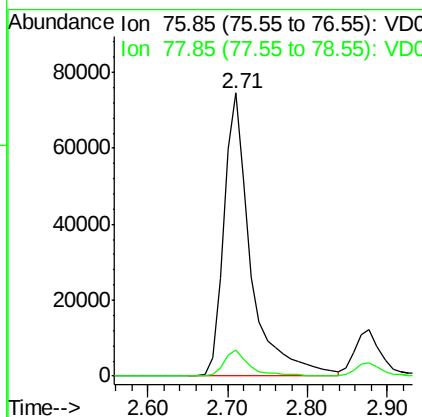
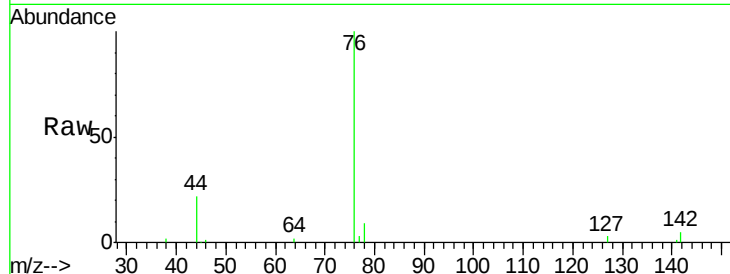




#17
Carbon Disulfide
Concen: 116.710 ug/l
RT: 2.71 min Scan# 253
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

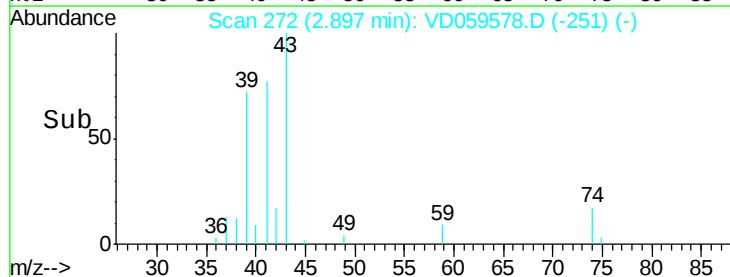
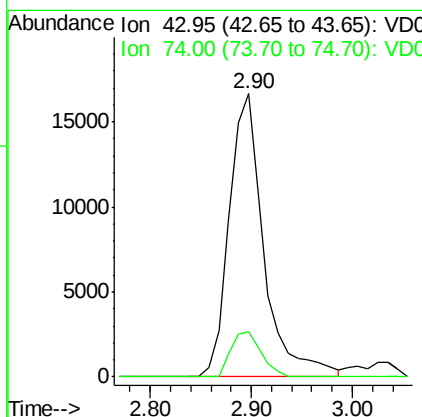
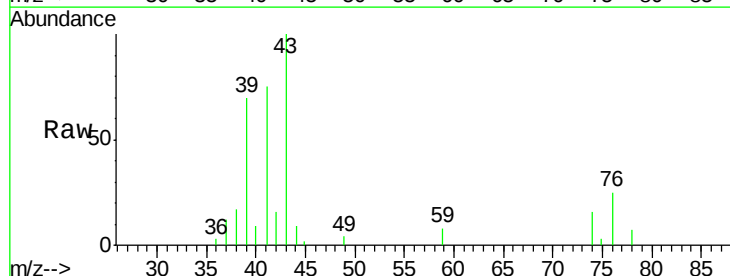
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

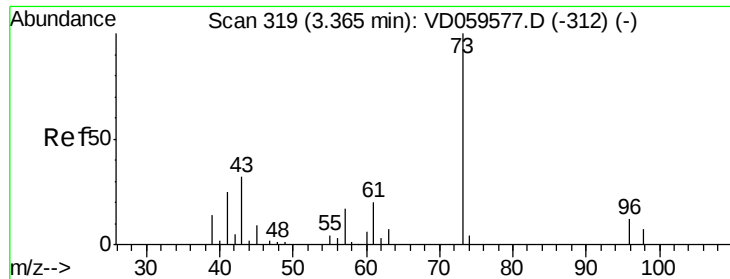
Tot Ion: 76 Resp: 175973
Ion Ratio Lower Upper
76 100
78 9.1 6.8 10.2



#18
Methyl Acetate
Concen: 102.648 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion: 43 Resp: 39591
Ion Ratio Lower Upper
43 100
74 16.1 13.0 19.4

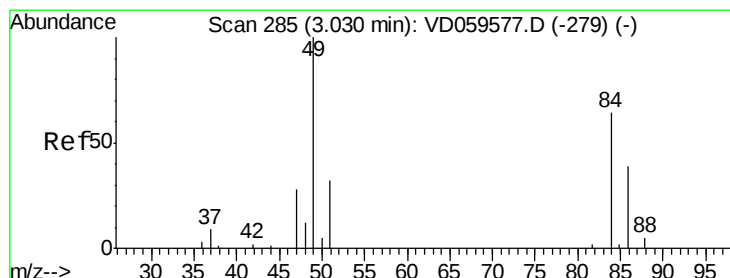
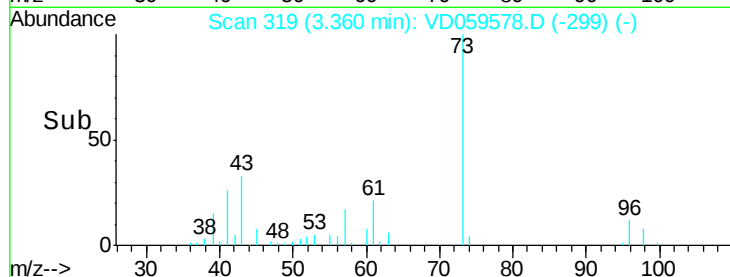
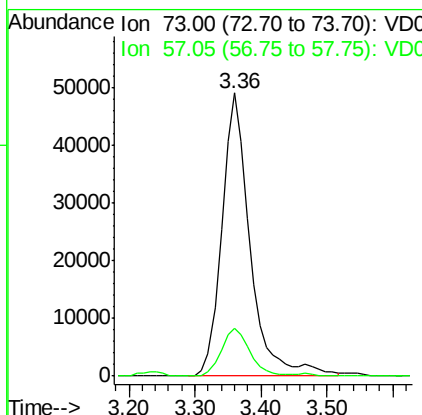
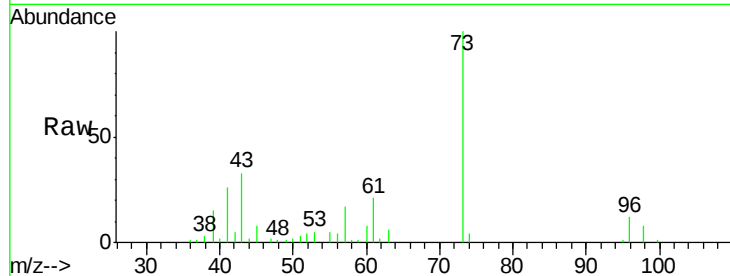




#19
Methyl tert-butyl Ether
Concen: 98.921 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

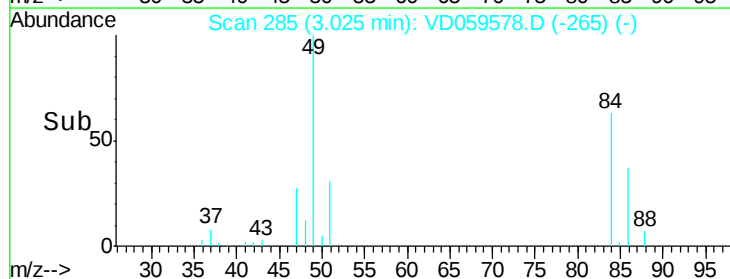
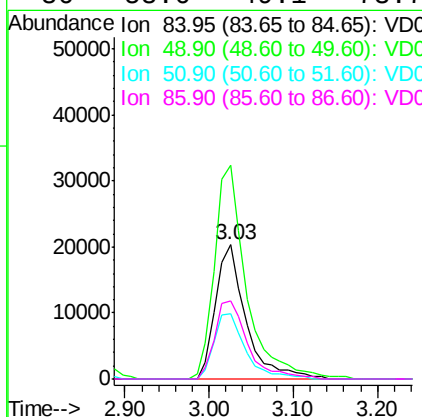
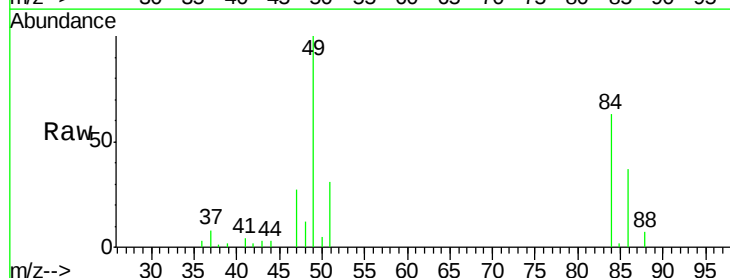
Instrument :
MSVOA_D
ClientSampled :
VSTDIC075

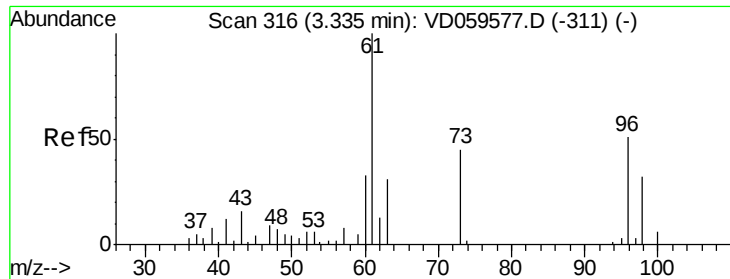
Tot Ion: 73 Resp: 146405
Ion Ratio Lower Upper
73 100
57 16.9 13.4 20.2



#20
Methylene Chloride
Concen: 84.079 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion: 84 Resp: 51116
Ion Ratio Lower Upper
84 100
49 159.1 125.4 188.2
51 49.0 39.7 59.5
86 58.6 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 94.478 ug/l

RT: 3.33 min Scan# 316

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

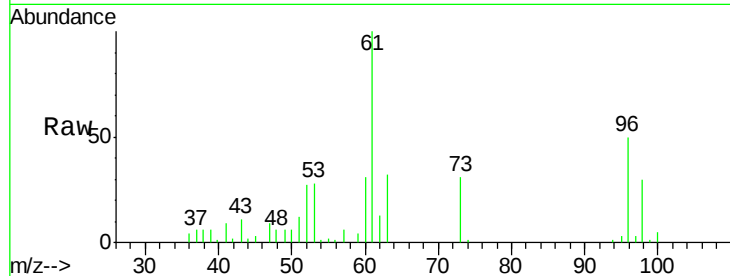
Tot Ion: 96 Resp: 50137

Ion Ratio Lower Upper

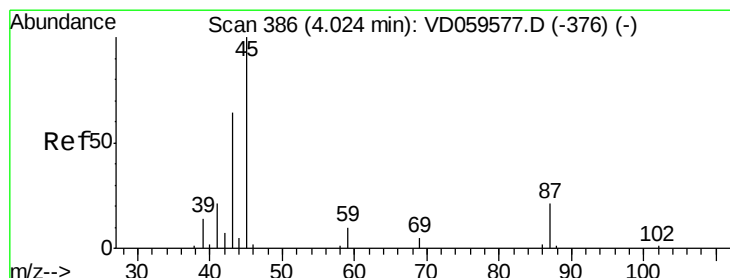
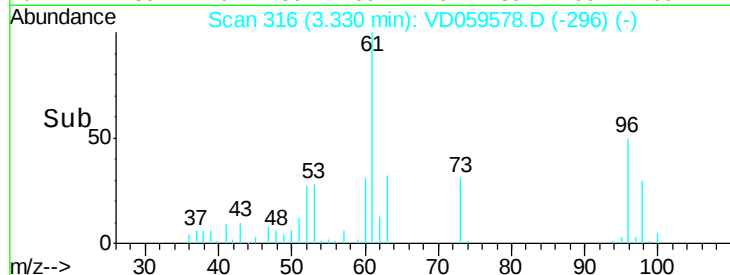
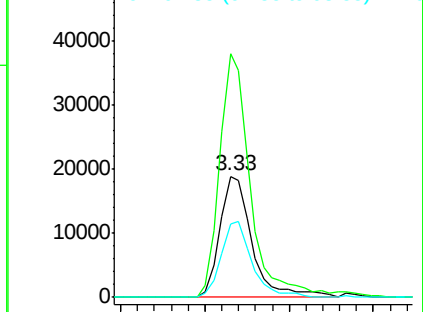
96 100

61 200.7 155.8 233.6

98 60.5 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 98.932 ug/l

RT: 4.02 min Scan# 386

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Tgt Ion: 45 Resp: 255017

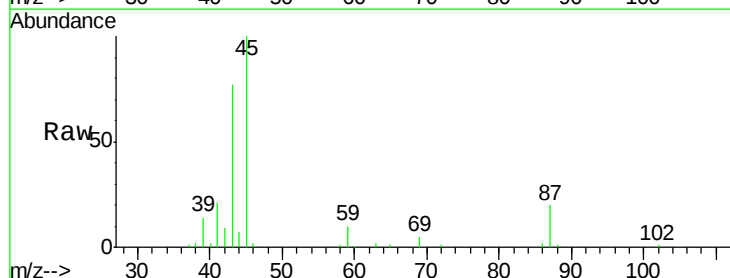
Ion Ratio Lower Upper

45 100

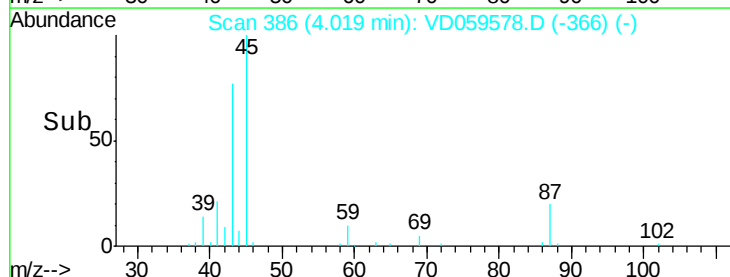
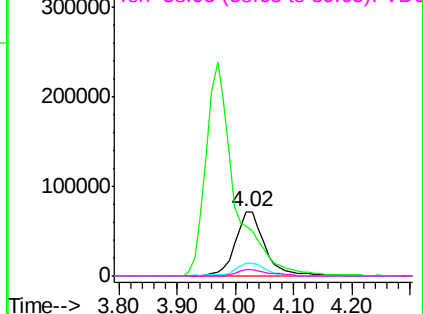
43 77.3 59.4 89.2

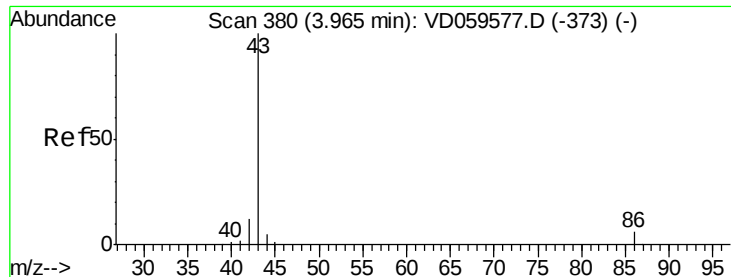
87 19.7 16.7 25.1

59 10.3 8.2 12.4



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

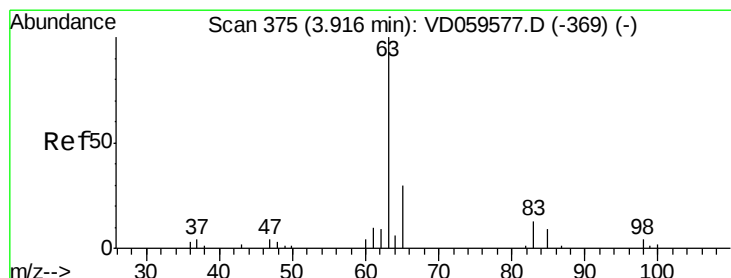
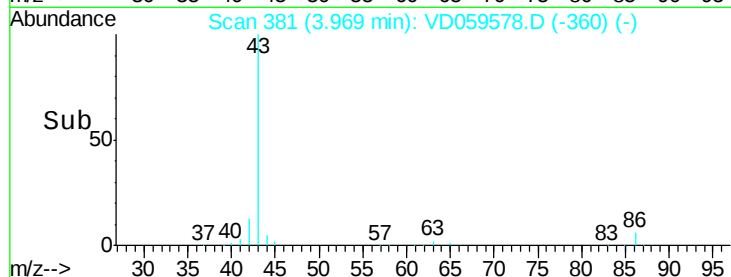
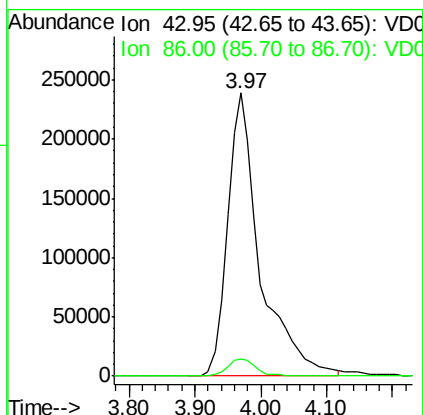
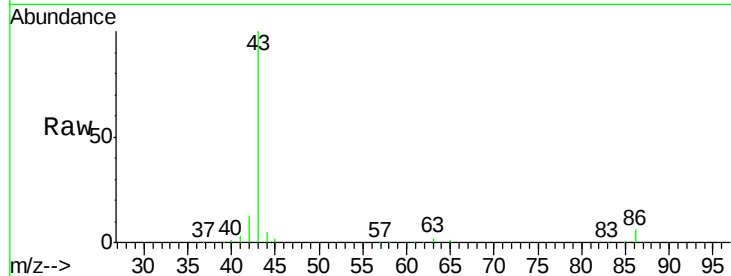




#23
 Vinyl Acetate
 Concen: 618.061 ug/l
 RT: 3.97 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

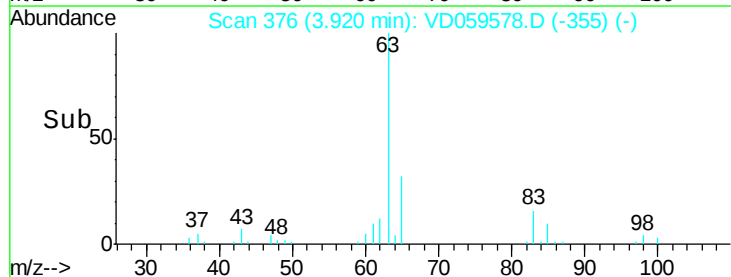
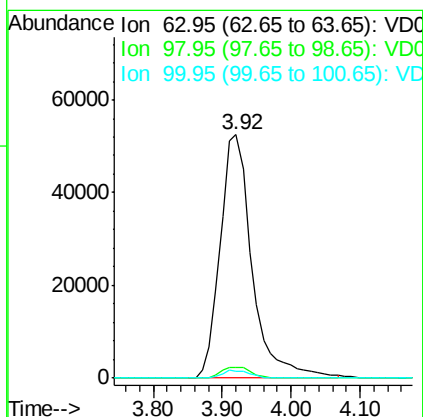
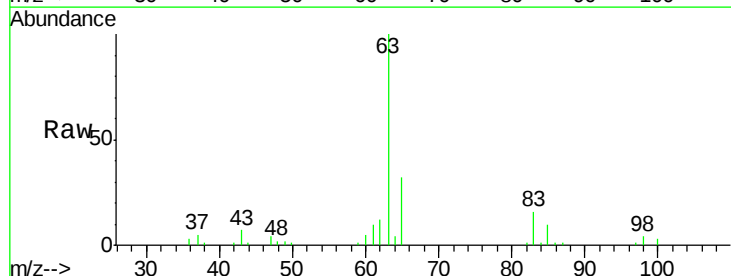
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

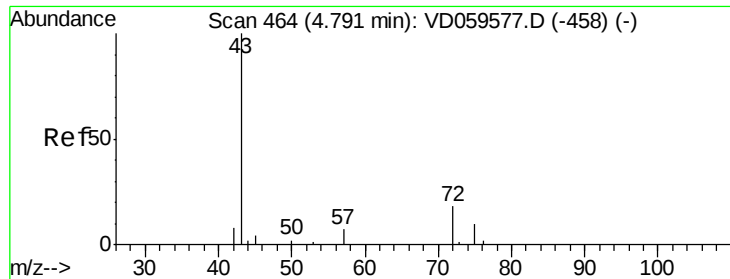
Tot Ion: 43 Resp: 820002
 Ion Ratio Lower Upper
 43 100
 86 6.1 5.1 7.7



#24
 1,1-Dichloroethane
 Concen: 98.003 ug/l
 RT: 3.92 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 63 Resp: 168581
 Ion Ratio Lower Upper
 63 100
 98 4.1 1.8 5.5
 100 2.7 1.1 3.3





#25

2-Butanone

Concen: 561.658 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

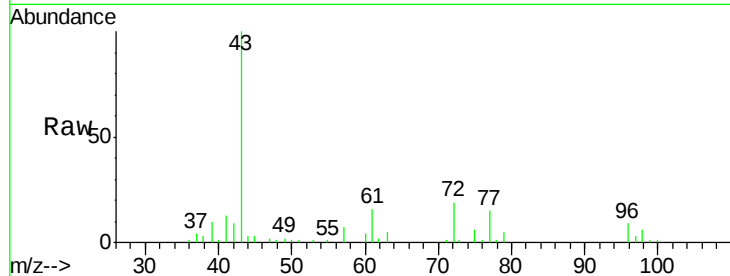
VSTDIC075

Tot Ion: 43 Resp: 139719

Ion Ratio Lower Upper

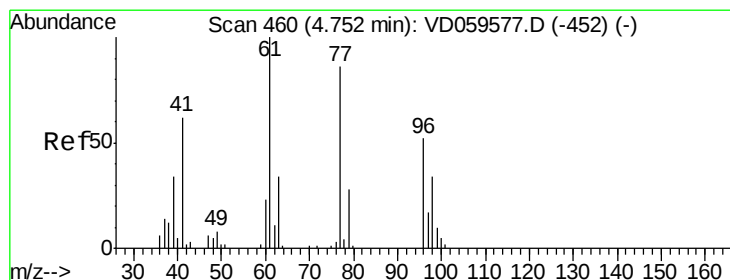
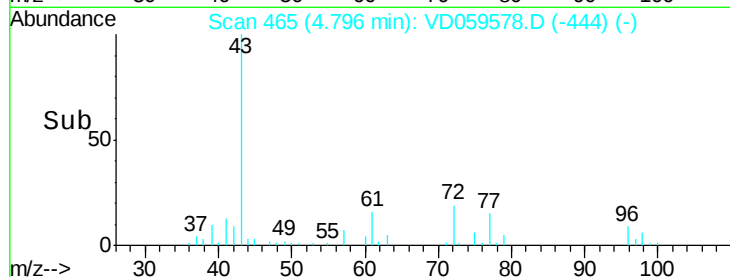
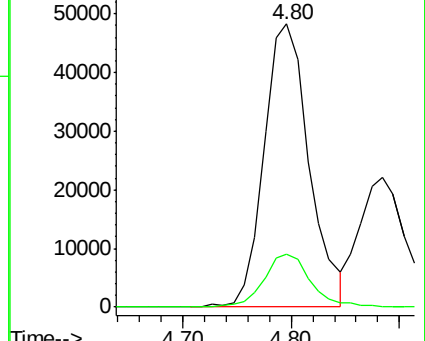
43 100

72 18.5 14.7 22.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 150.262 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.01 min

Lab File: VD059578.D

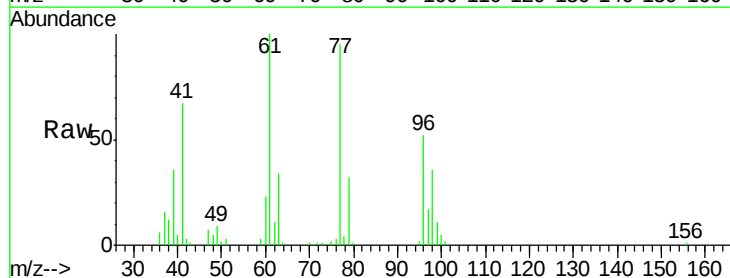
Acq: 24 Jul 2018 18:45

Tgt Ion: 77 Resp: 173469

Ion Ratio Lower Upper

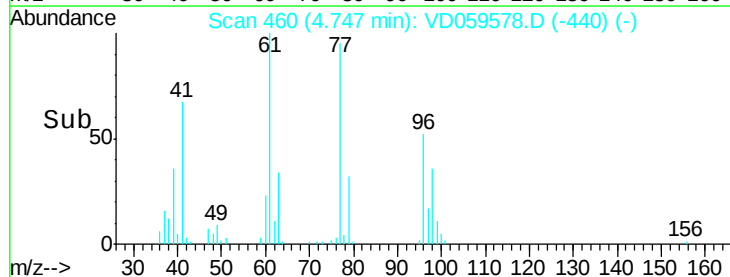
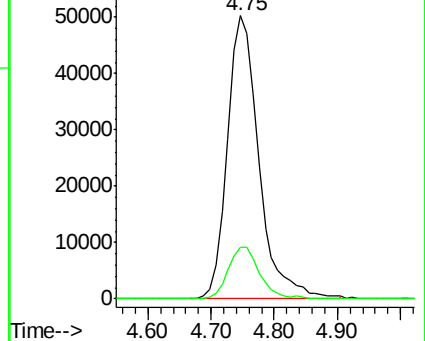
77 100

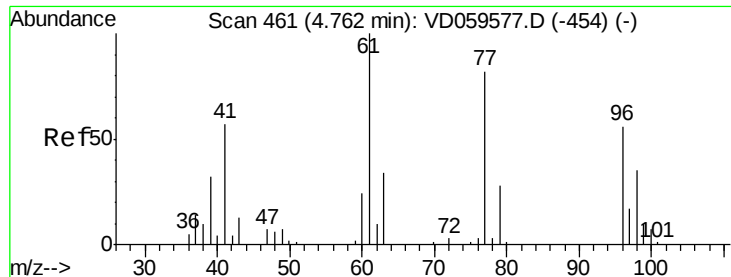
97 18.1 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



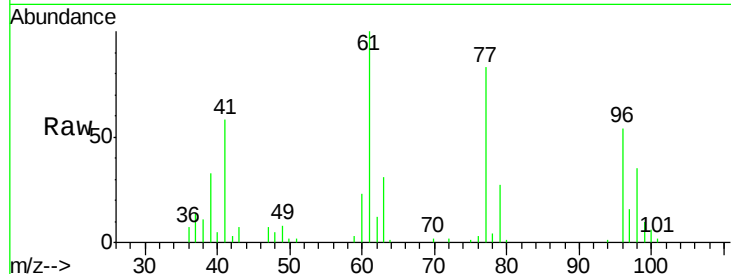


#27

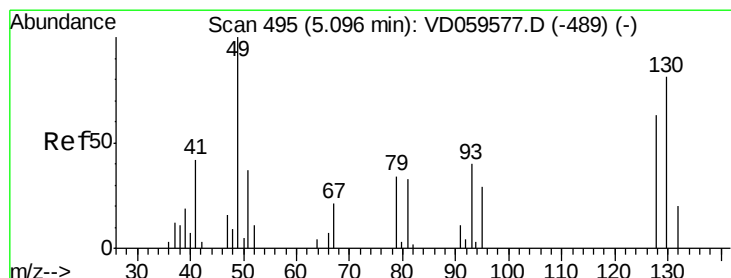
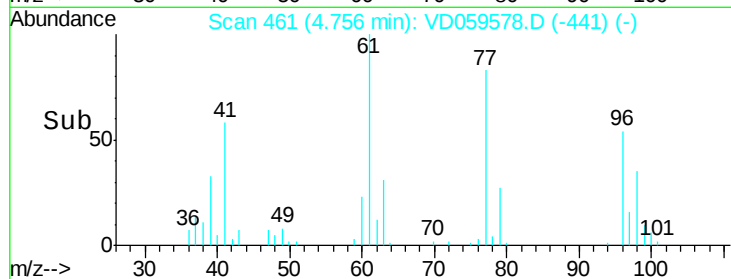
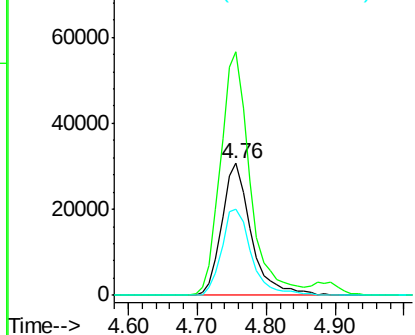
cis-1,2-Dichloroethene
 Concen: 84.900 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 96 Resp: 90479
 Ion Ratio Lower Upper
 96 100
 61 184.4 0.0 355.0
 98 65.3 0.0 125.8



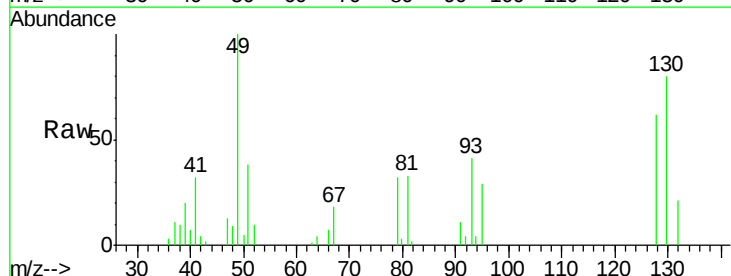
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



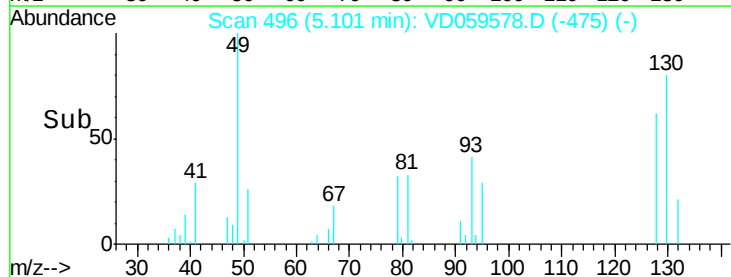
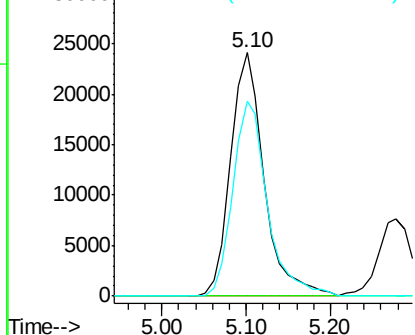
#28

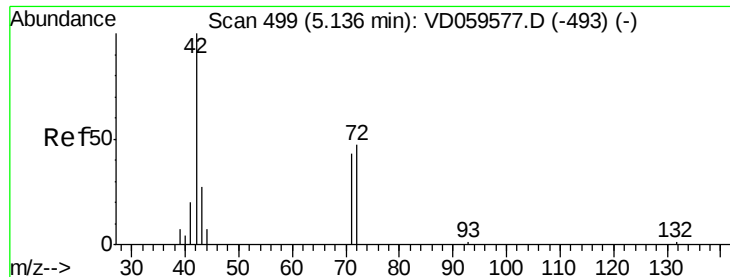
Bromochloromethane
 Concen: 106.733 ug/l
 RT: 5.10 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 49 Resp: 66664
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 80.3 64.6 96.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





#29

Tetrahydrofuran

Concen: 536.055 ug/l

RT: 5.14 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampled :

VSTDIC075

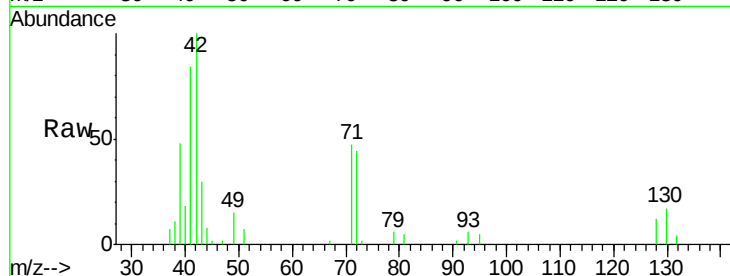
Tot Ion: 42 Resp: 65971

Ion Ratio Lower Upper

42 100

72 43.0 35.0 52.4

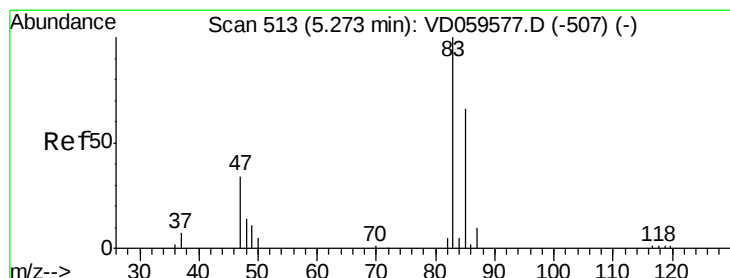
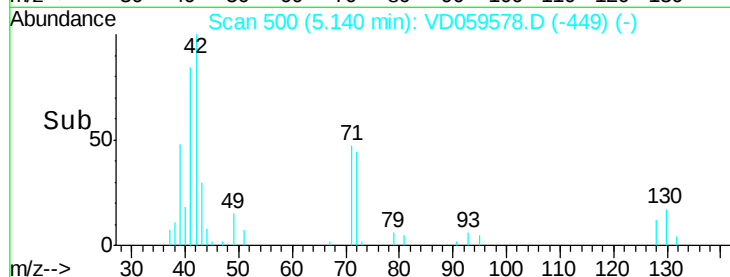
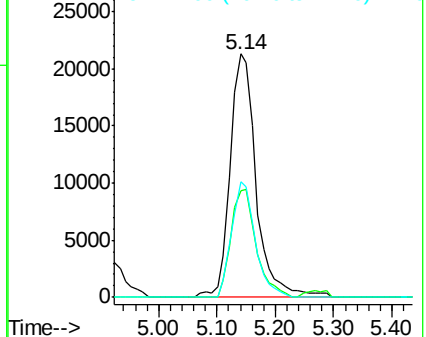
71 43.1 34.2 51.2



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 102.347 ug/l

RT: 5.28 min Scan# 514

Delta R.T. 0.00 min

Lab File: VD059578.D

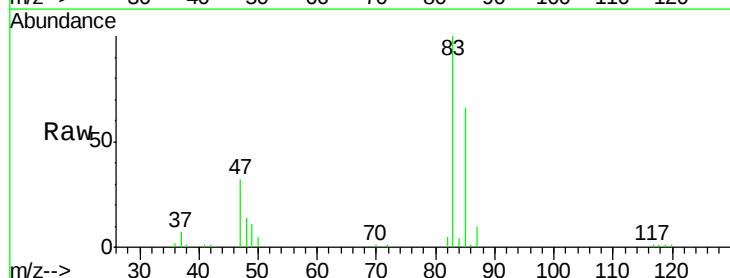
Acq: 24 Jul 2018 18:45

Tgt Ion: 83 Resp: 202257

Ion Ratio Lower Upper

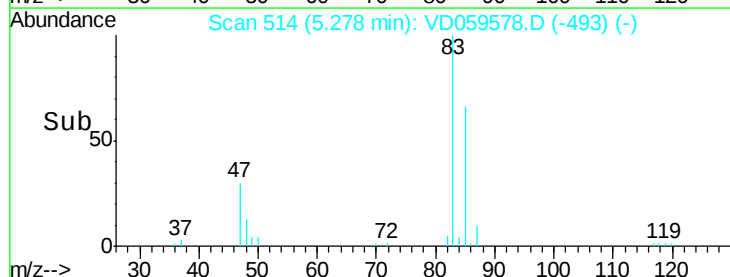
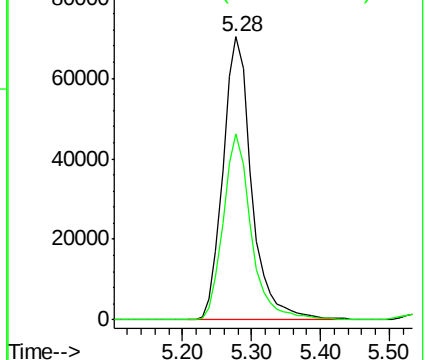
83 100

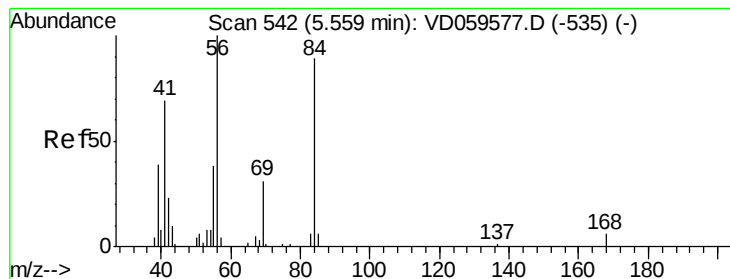
85 65.8 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 97.463 ug/l

RT: 5.54 min Scan# 541

Delta R.T. -0.02 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

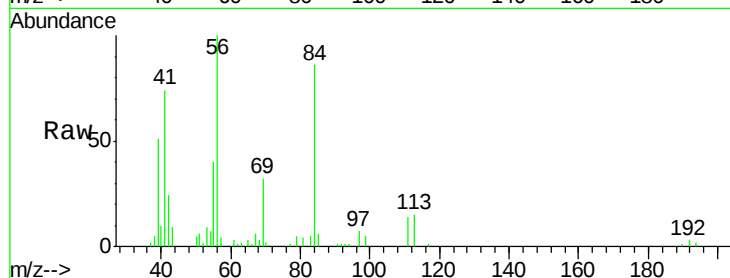
Tot Ion: 56 Resp: 115740

Ion Ratio Lower Upper

56 100

69 31.5 24.6 37.0

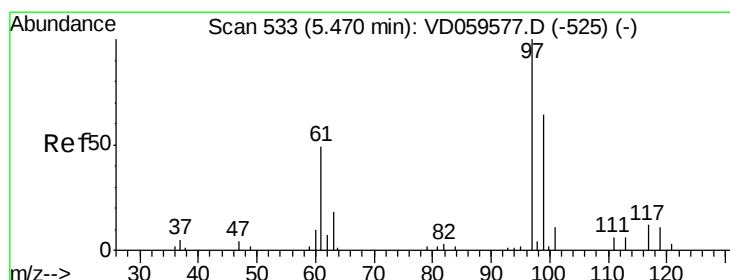
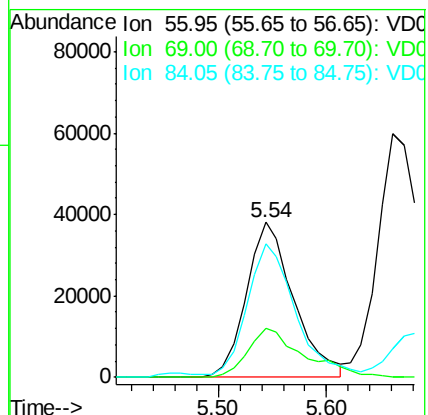
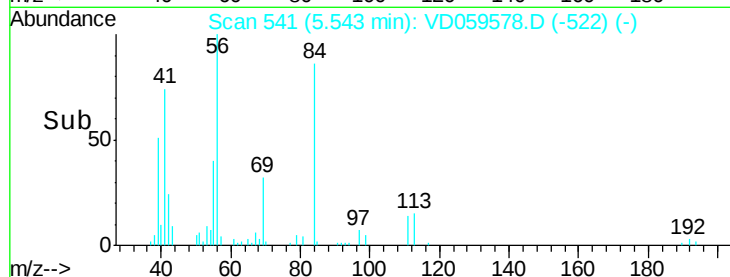
84 86.0 72.7 109.1



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 115.084 ug/l

RT: 5.46 min Scan# 533

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

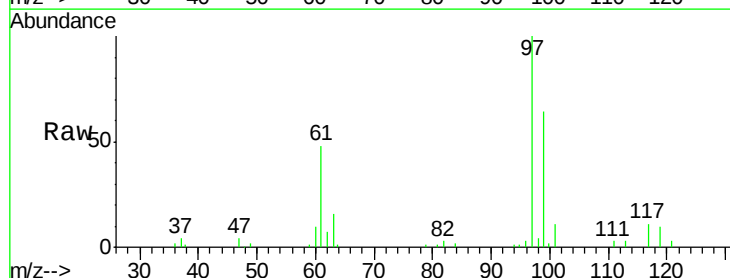
Tgt Ion: 97 Resp: 203307

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

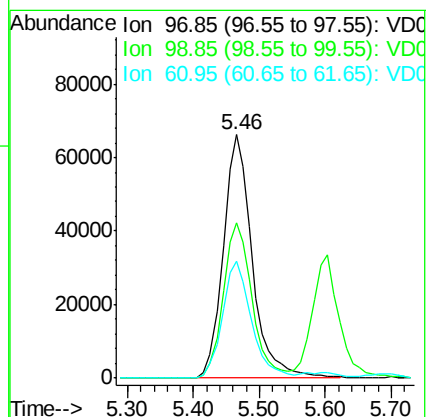
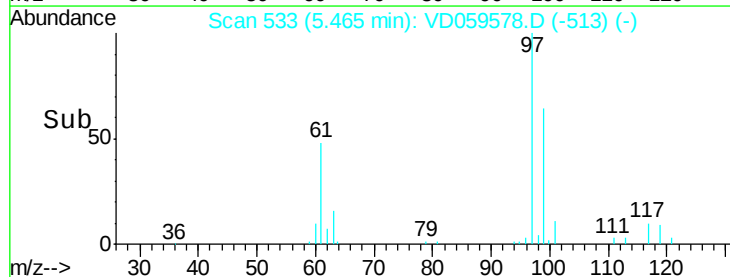
61 48.0 39.2 58.8

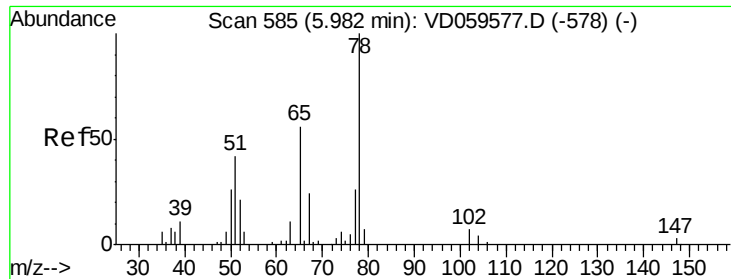


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

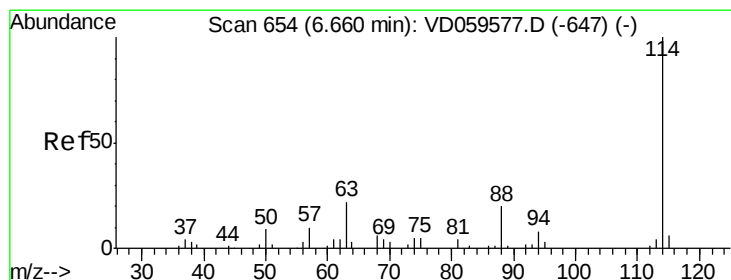
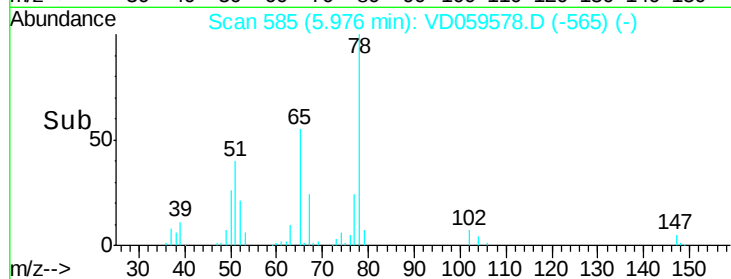
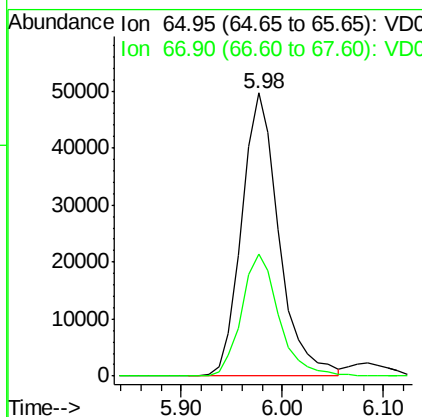
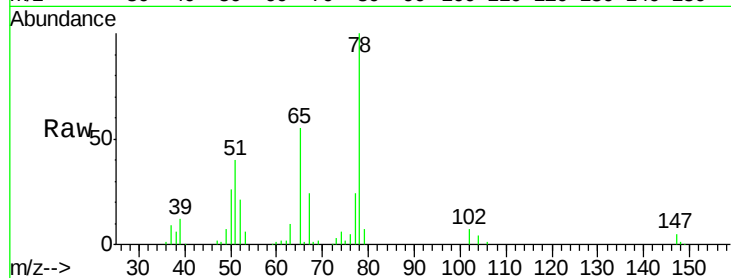




#33
 1,2-Dichloroethane-d4
 Concen: 115.084 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

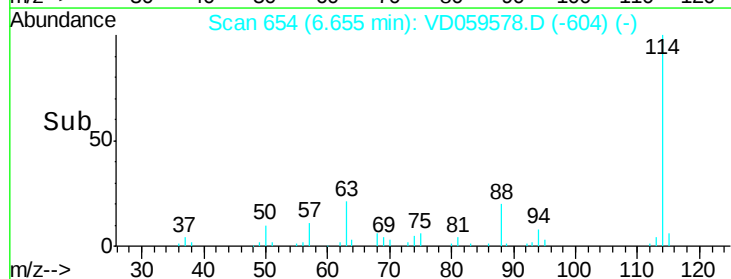
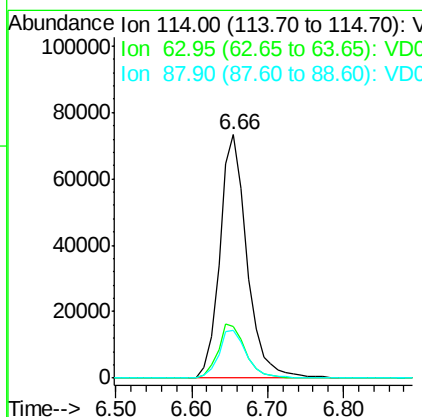
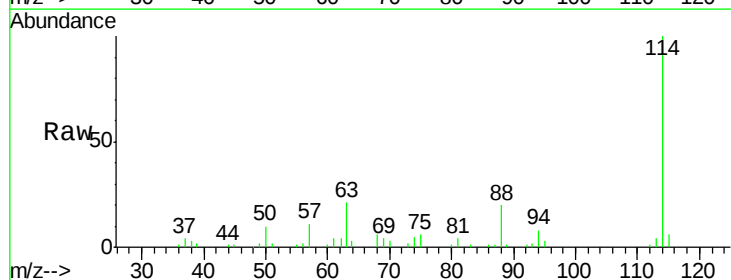
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

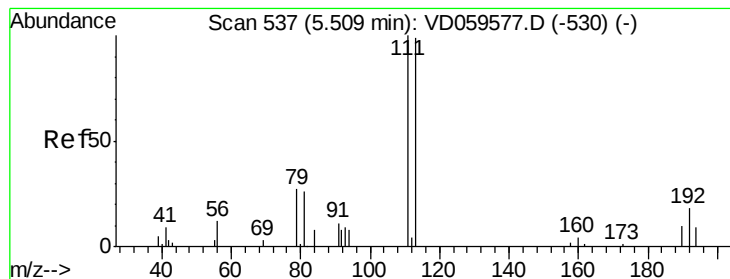
Tot Ion: 65 Resp: 127730
 Ion Ratio Lower Upper
 65 100
 67 43.2 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.66 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 114 Resp: 181494
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.8
 88 19.6 0.0 39.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.50 min Scan# 537

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

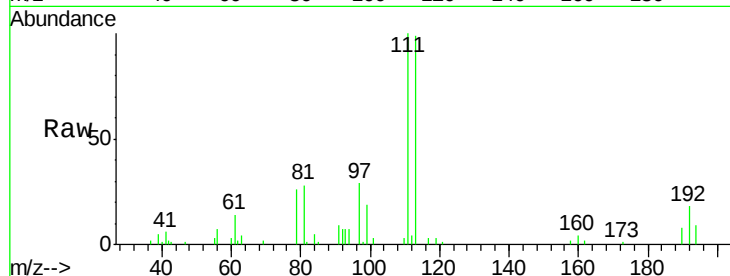
Tot Ion:113 Resp: 114551

Ion Ratio Lower Upper

113 100

111 101.4 80.5 120.7

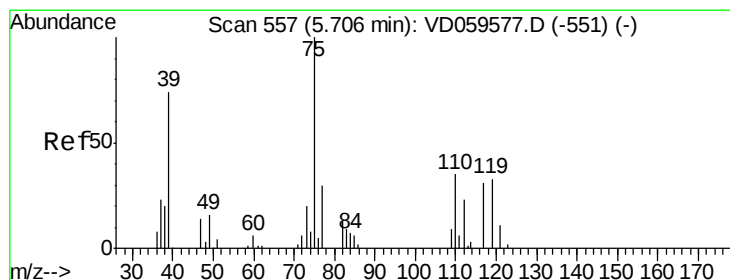
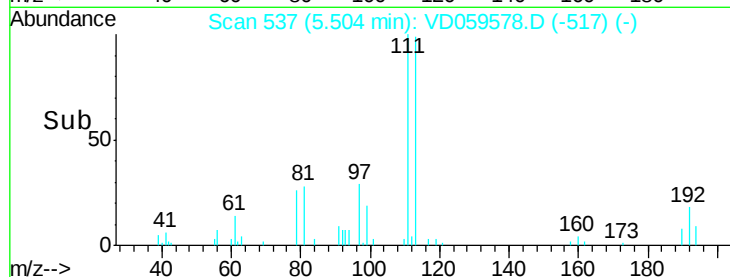
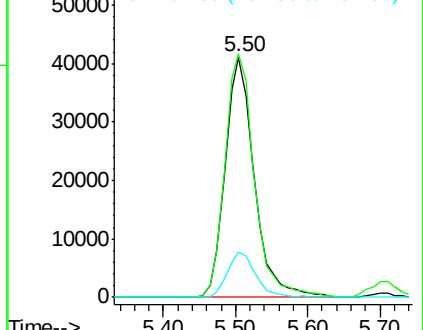
192 18.6 14.5 21.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 87.366 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

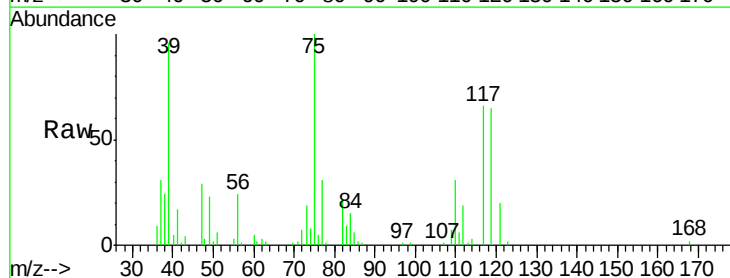
Tgt Ion: 75 Resp: 132247

Ion Ratio Lower Upper

75 100

110 30.7 17.0 50.9

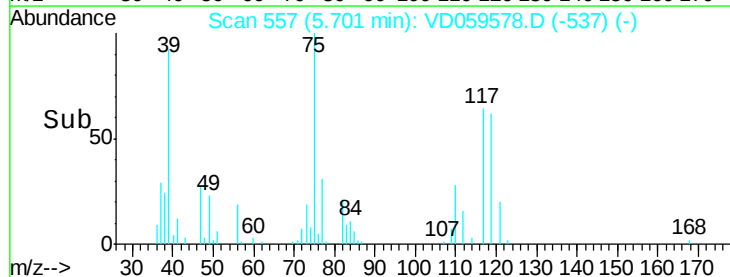
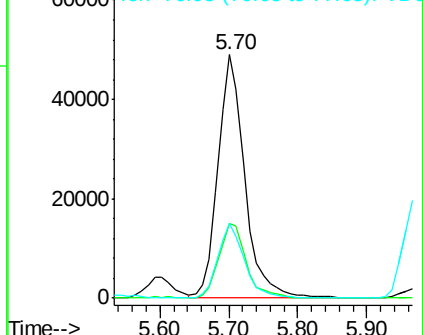
77 30.8 23.6 35.4

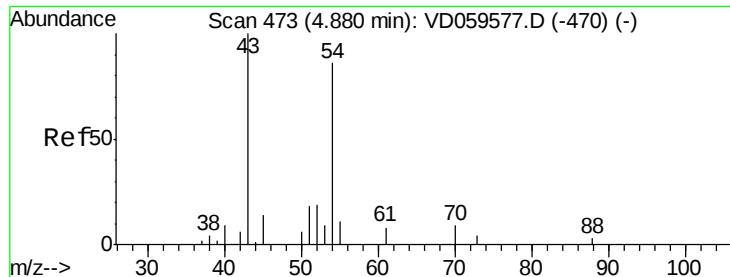


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 106.529 ug/l

RT: 4.88 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

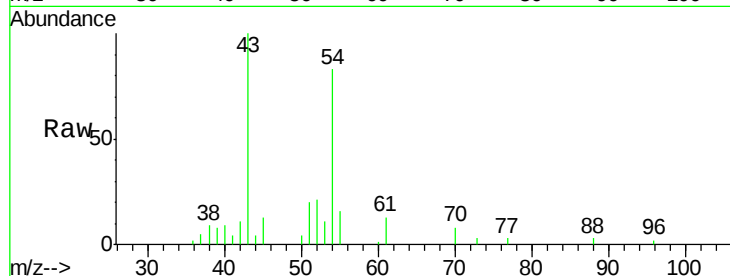
Tot Ion: 43 Resp: 71169

Ion Ratio Lower Upper

43 100

61 13.0 10.7 16.1

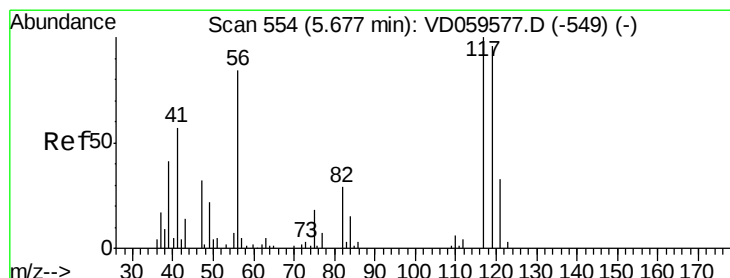
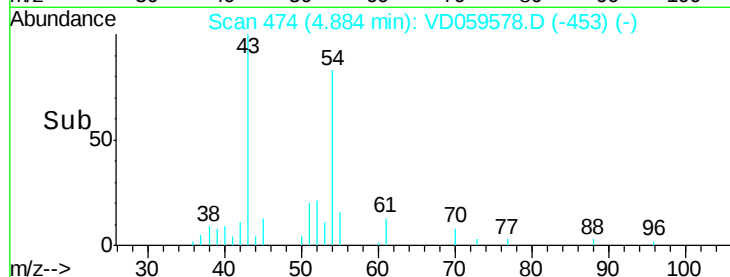
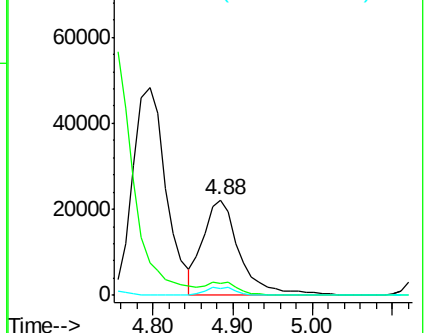
70 7.7 5.4 8.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 94.786 ug/l

RT: 5.68 min Scan# 555

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

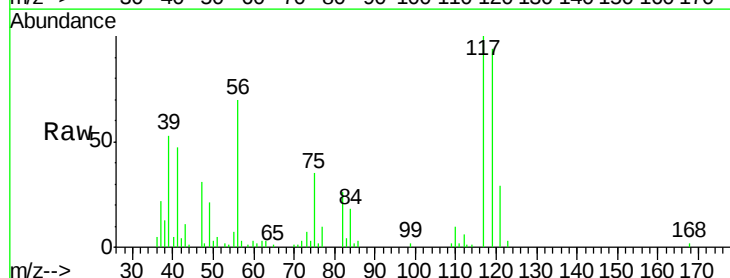
Tgt Ion: 117 Resp: 178596

Ion Ratio Lower Upper

117 100

119 94.0 73.6 110.4

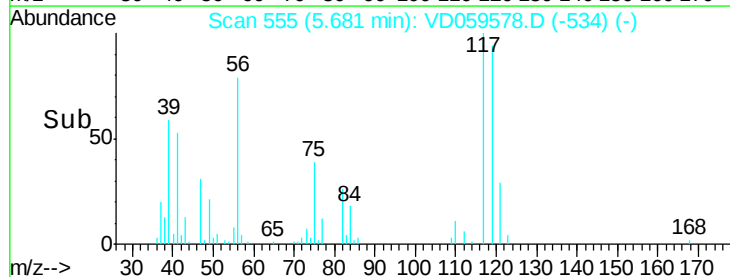
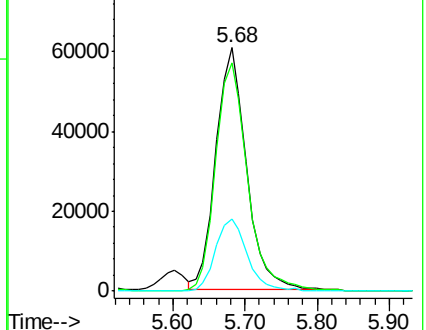
121 29.4 25.0 37.6

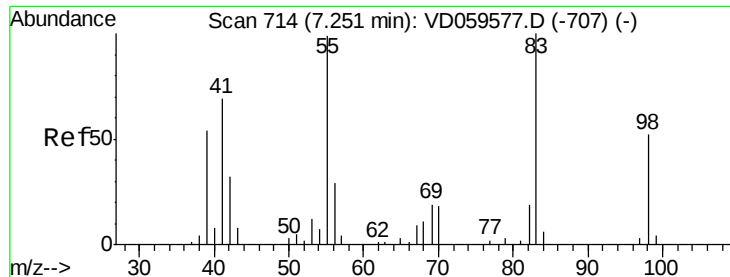


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

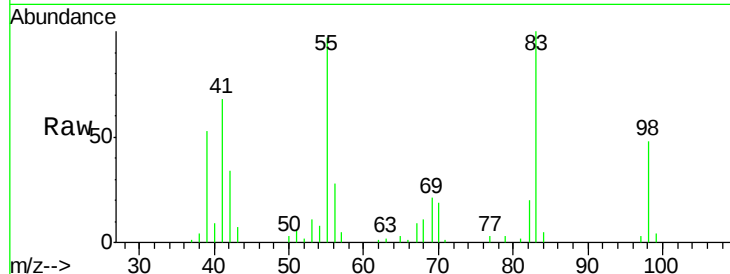




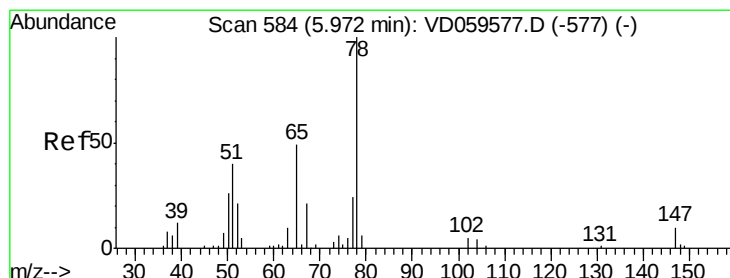
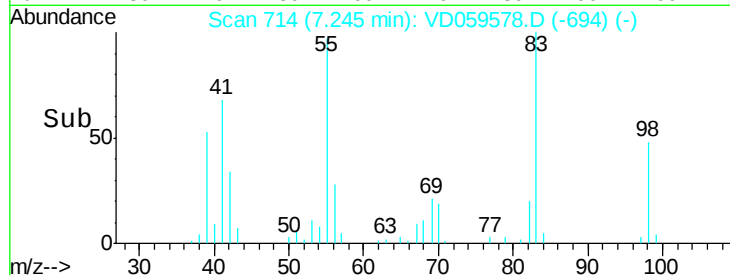
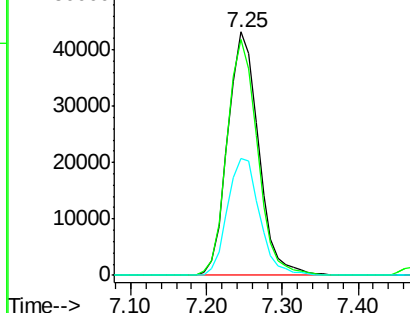
#39
Methvlcvclohexane
Concen: 83.117 ug/l
RT: 7.25 min Scan# 714
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 83 Resp: 121962
Ion Ratio Lower Upper
83 100
55 97.1 79.4 119.0
98 47.9 41.6 62.4

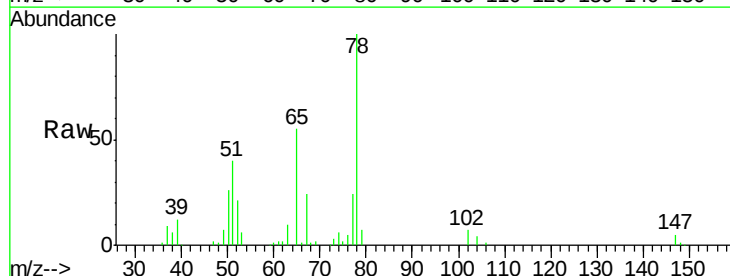


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

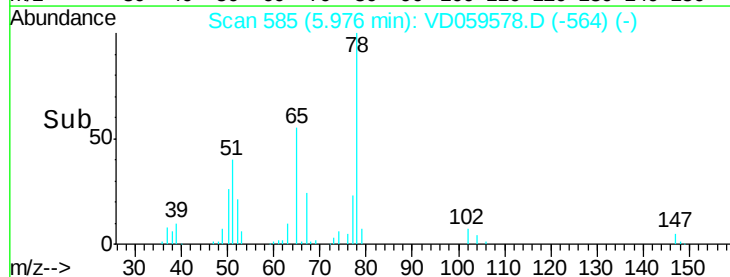
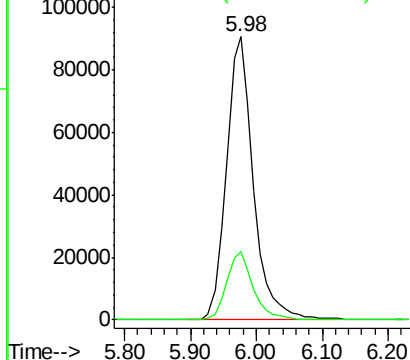


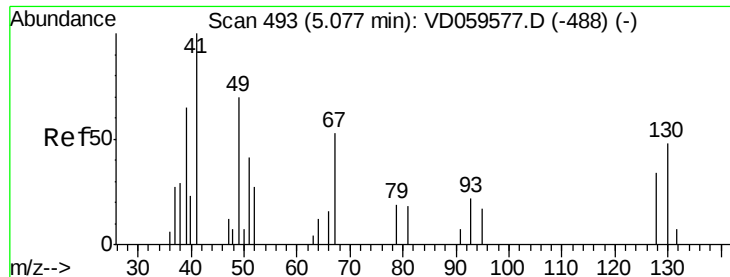
#40
Benzene
Concen: 73.697 ug/l
RT: 5.98 min Scan# 585
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion: 78 Resp: 258896
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

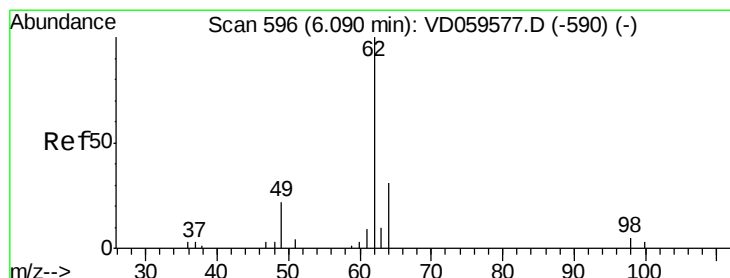
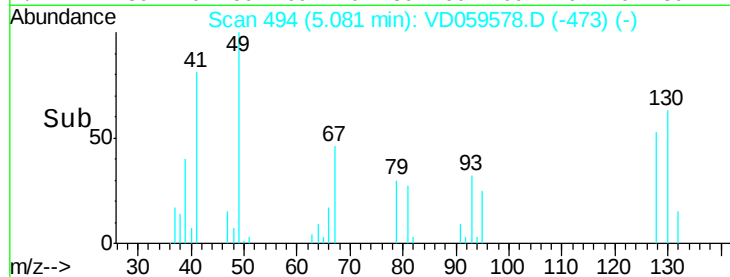
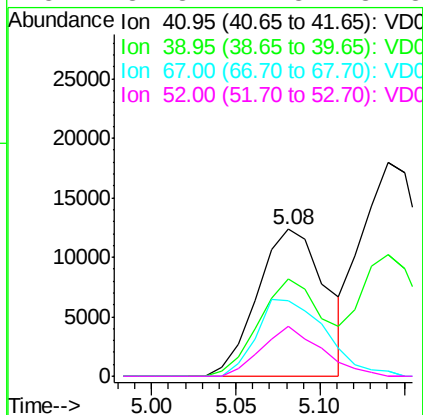
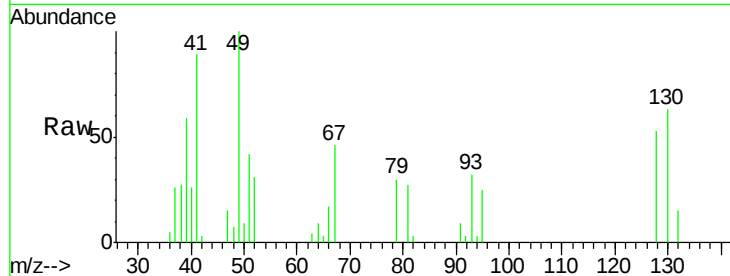




#41
Methacrylonitrile
Concen: 103.458 ug/l
RT: 5.08 min Scan# 494
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

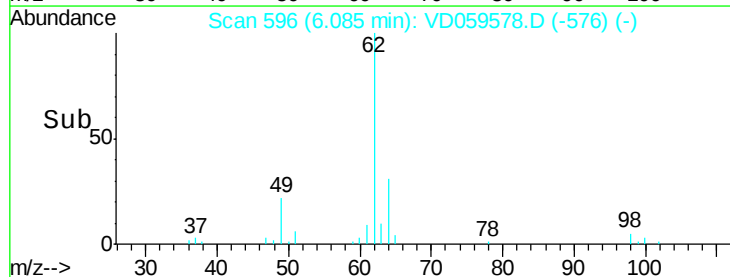
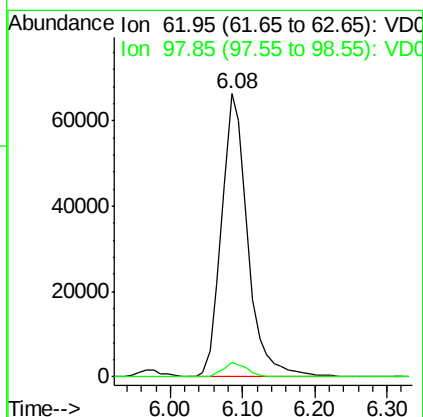
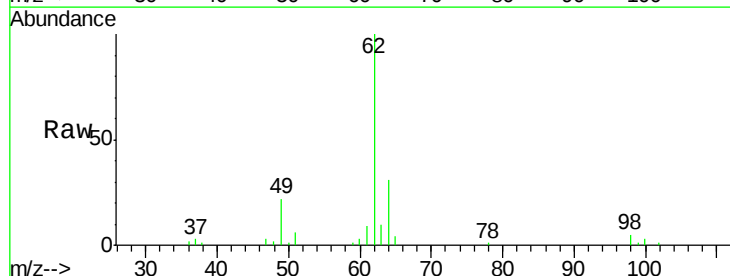
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

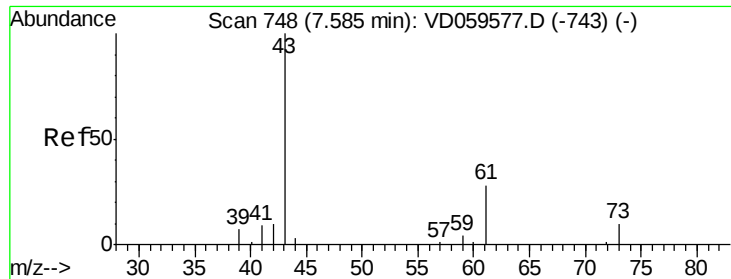
Tot Ion: 41 Resp: 34682
Ion Ratio Lower Upper
41 100
39 66.1 52.1 78.1
67 51.4 42.5 63.7
52 34.3 21.8 32.8#



#42
1,2-Dichloroethane
Concen: 110.334 ug/l
RT: 6.08 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion: 62 Resp: 166226
Ion Ratio Lower Upper
62 100
98 5.2 0.0 10.2



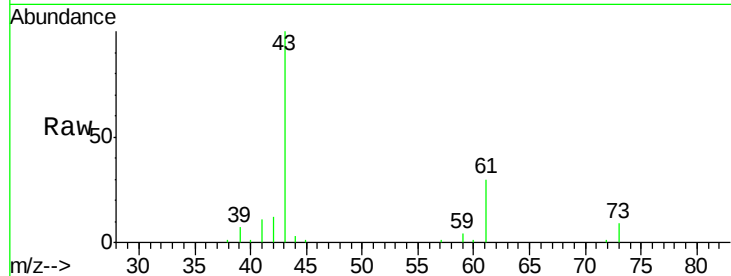


#43

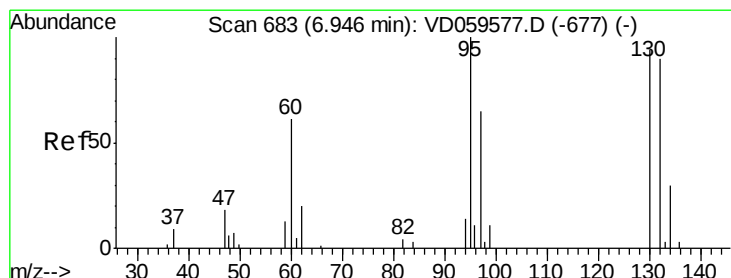
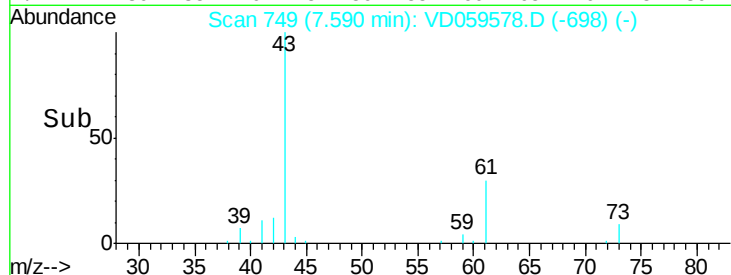
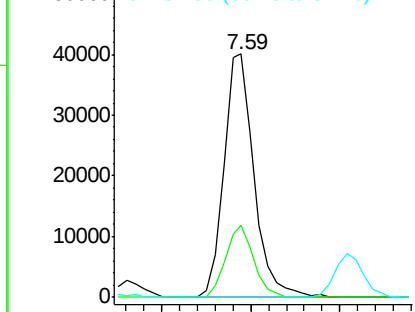
Isopropyl Acetate
 Concen: 102.654 ug/l
 RT: 7.59 min Scan# 749
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 43 Resp: 94717
 Ion Ratio Lower Upper
 43 100
 61 29.9 22.0 33.0
 87 0.0 0.0 0.0



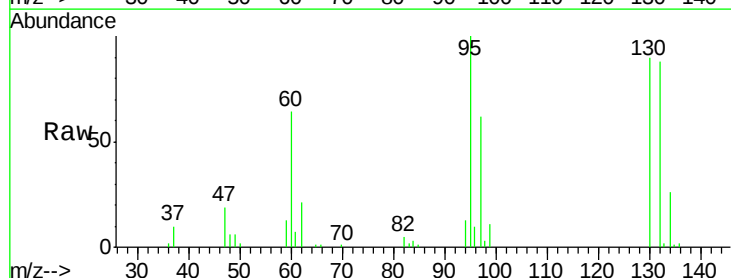
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



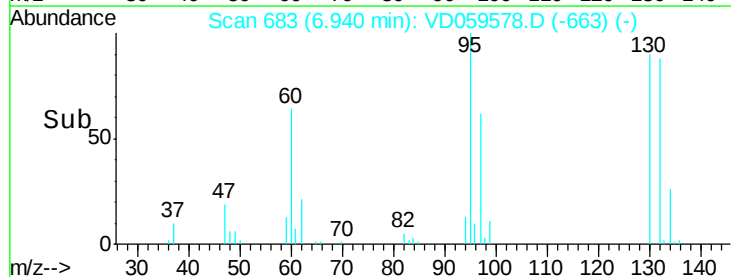
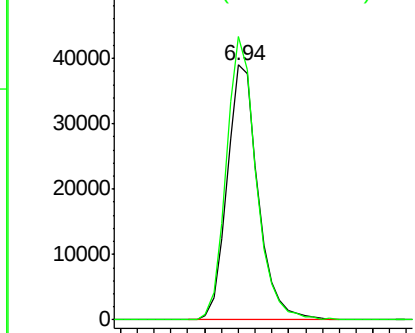
#44

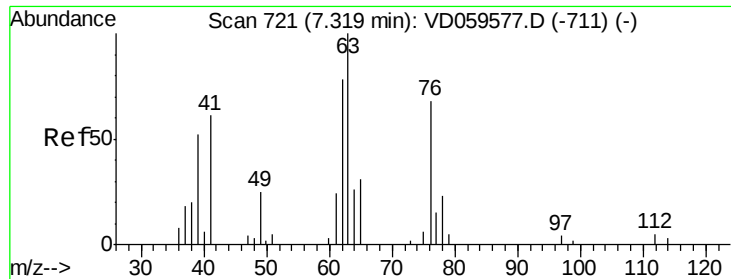
Trichloroethene
 Concen: 64.627 ug/l
 RT: 6.94 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 130 Resp: 99585
 Ion Ratio Lower Upper
 130 100
 95 110.9 0.0 213.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 84.117 ug/l

RT: 7.31 min Scan# 721

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

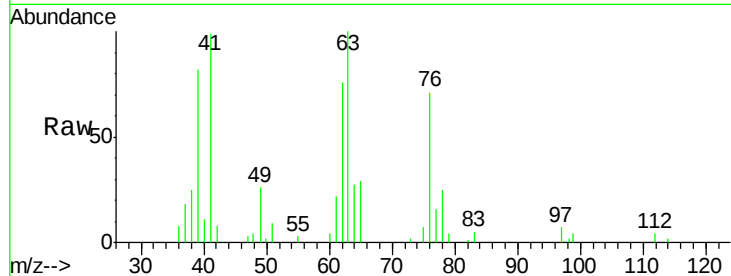
VSTDIC075

Tot Ion: 63 Resp: 75094

Ion Ratio Lower Upper

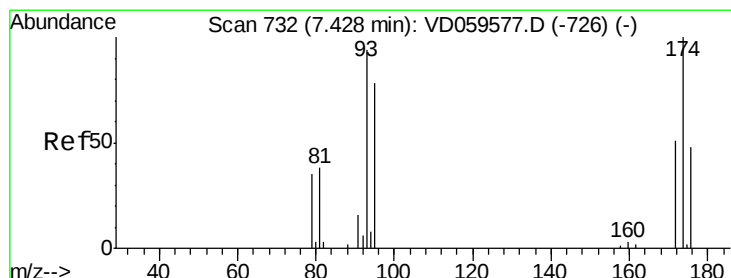
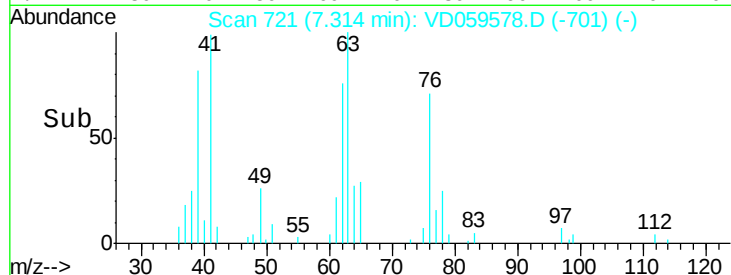
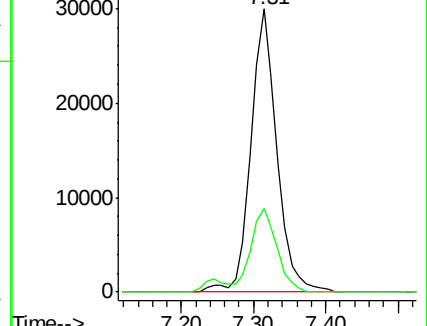
63 100

65 29.4 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 91.869 ug/l

RT: 7.43 min Scan# 733

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

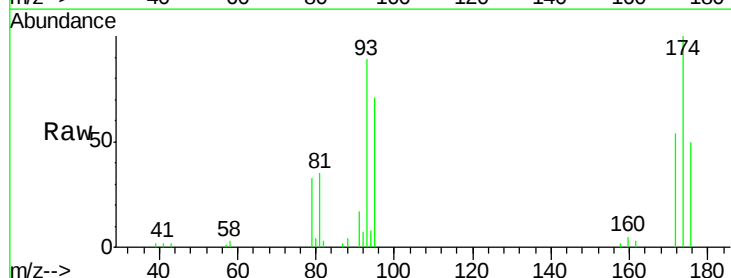
Tgt Ion: 93 Resp: 64283

Ion Ratio Lower Upper

93 100

95 79.7 65.8 98.8

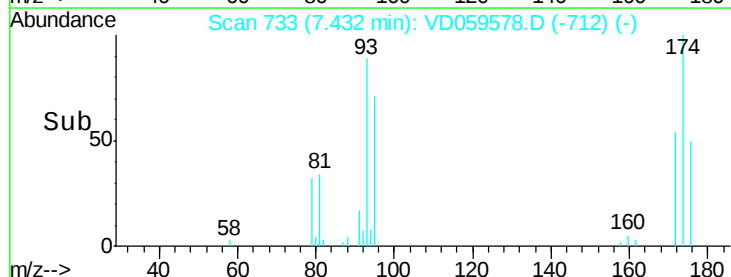
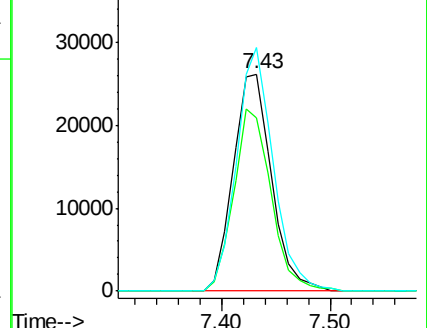
174 112.3 84.7 127.1

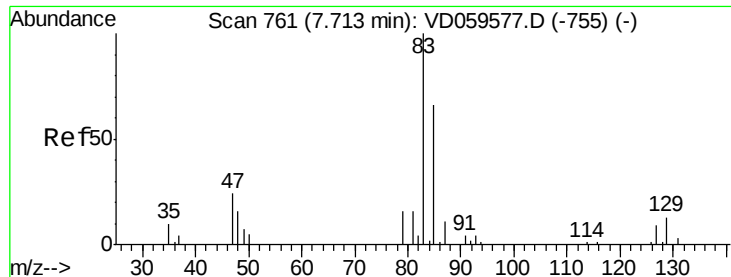


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 92.822 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

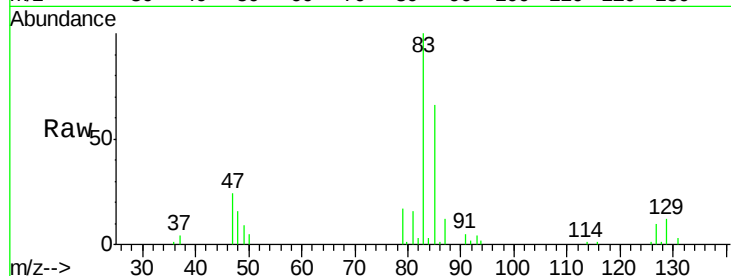
Tot Ion: 83 Resp: 152480

Ion Ratio Lower Upper

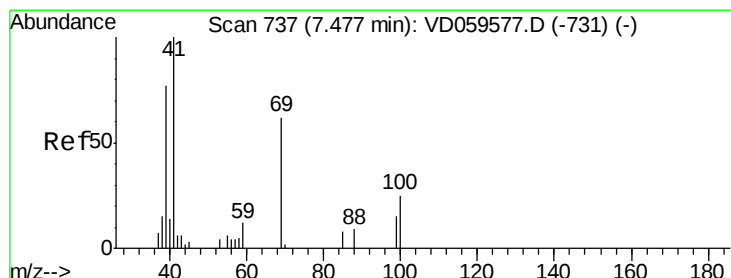
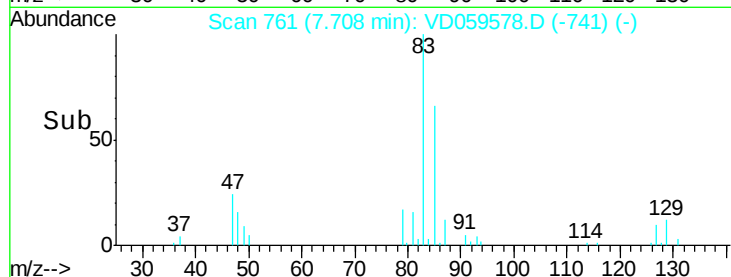
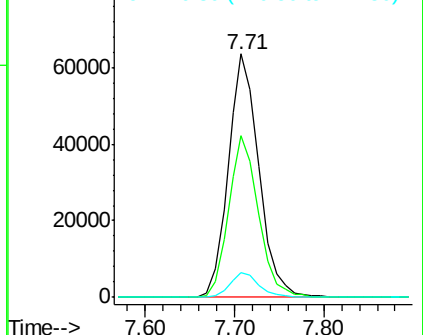
83 100

85 66.5 53.1 79.7

127 10.2 7.4 11.0



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 106.270 ug/l

RT: 7.47 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

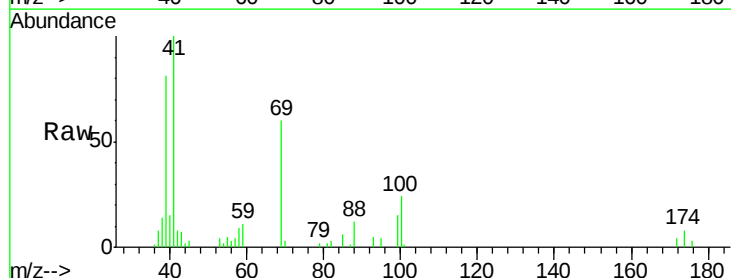
Tgt Ion: 41 Resp: 65664

Ion Ratio Lower Upper

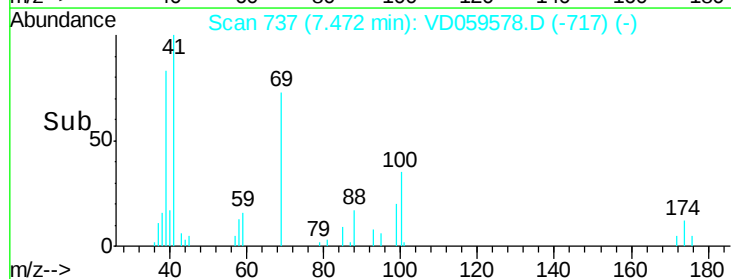
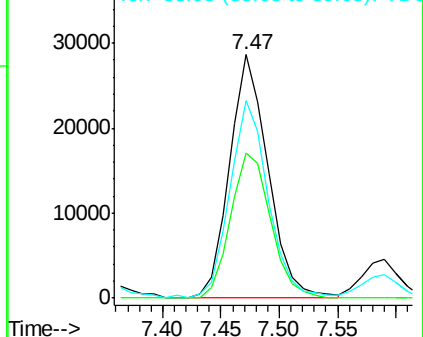
41 100

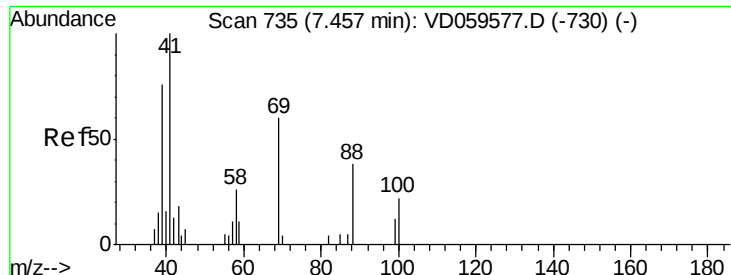
69 59.7 49.4 74.0

39 81.2 61.3 91.9



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

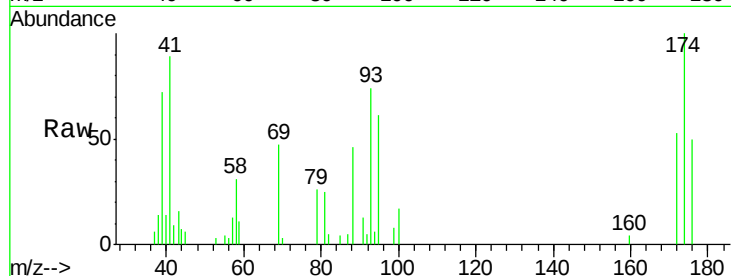




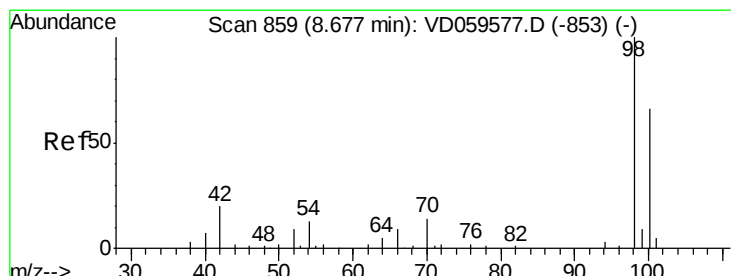
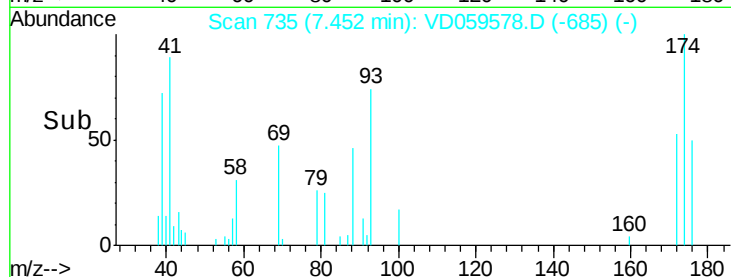
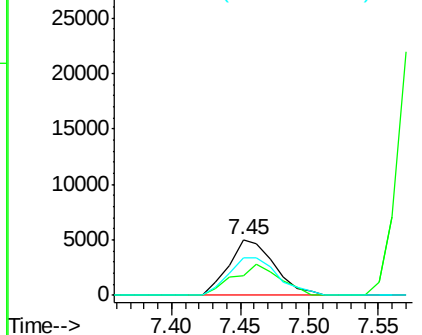
#49
1,4-Dioxane
Concen: 1755.867 ug/l
RT: 7.45 min Scan# 735
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 88 Resp: 11533
Ion Ratio Lower Upper
88 100
43 35.6 37.4 56.2#
58 67.0 55.6 83.4

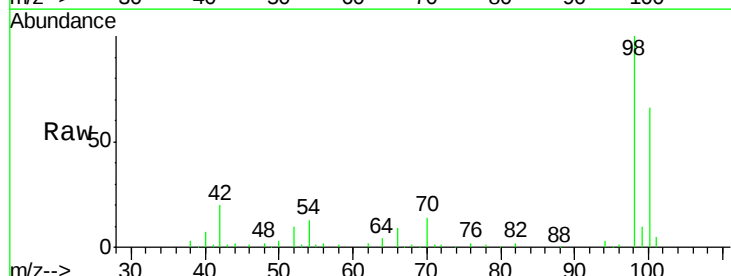


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

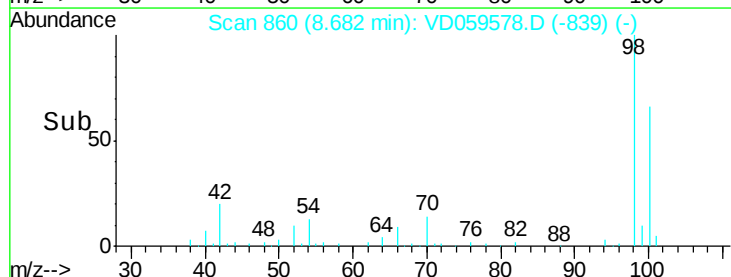
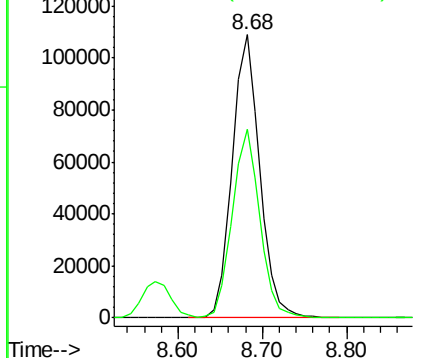


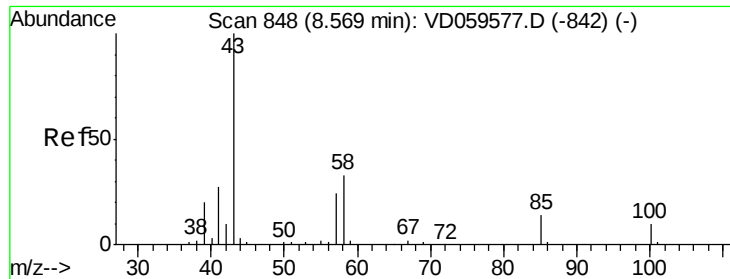
#50
Toluene-d8
Concen: 1755.867 ug/l
RT: 8.68 min Scan# 860
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion: 98 Resp: 247506
Ion Ratio Lower Upper
98 100
100 66.5 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 499.615 ug/l

RT: 8.57 min Scan# 849

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

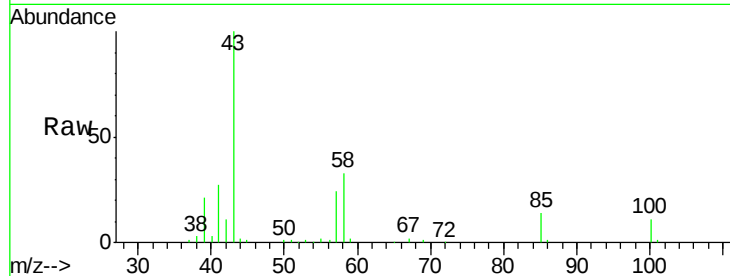
VSTDIC075

Tot Ion: 43 Resp: 309358

Ion Ratio Lower Upper

43 100

58 33.3 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.57

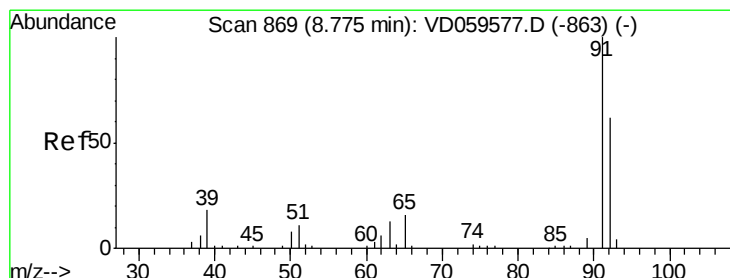
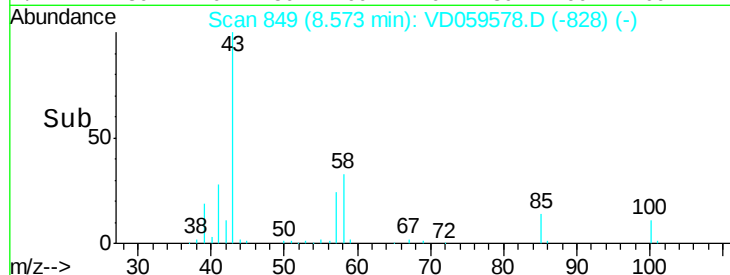
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 70.726 ug/l

RT: 8.77 min Scan# 869

Delta R.T. -0.01 min

Lab File: VD059578.D

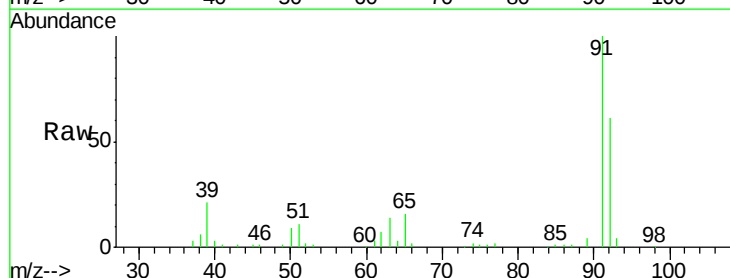
Acq: 24 Jul 2018 18:45

Tgt Ion: 92 Resp: 159683

Ion Ratio Lower Upper

92 100

91 164.5 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.77

120000

100000

80000

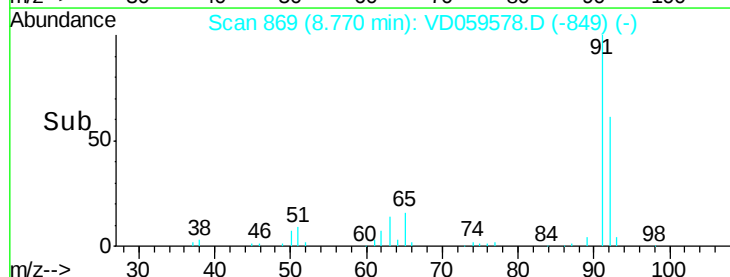
60000

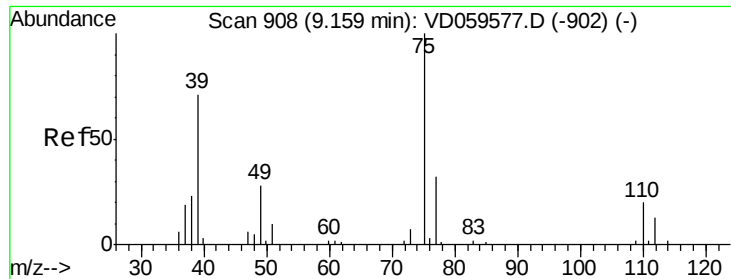
40000

20000

0

Time-->

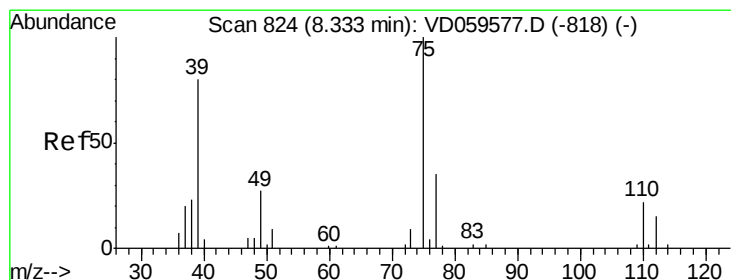
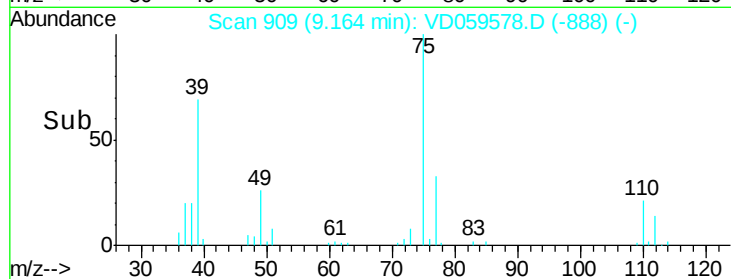
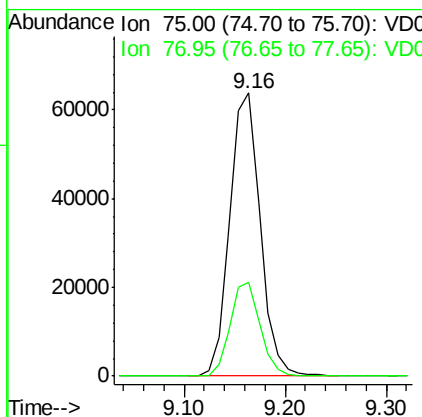
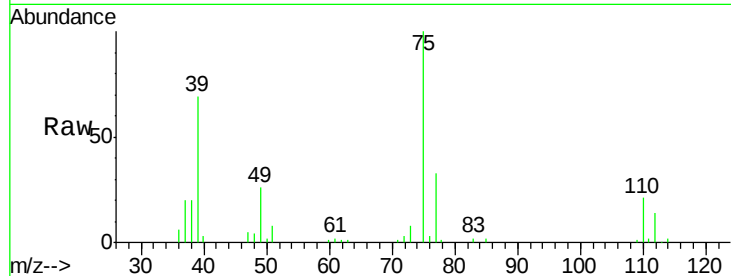




#53
 t-1,3-Dichloropropene
 Concen: 101.600 ug/l
 RT: 9.16 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

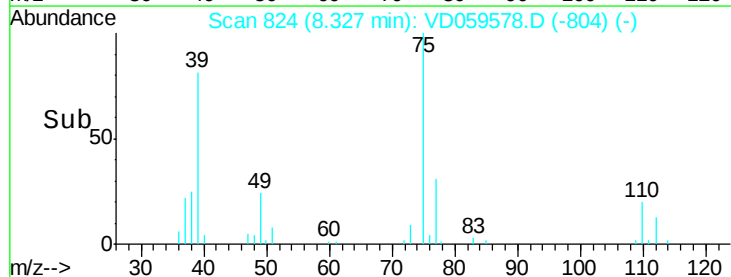
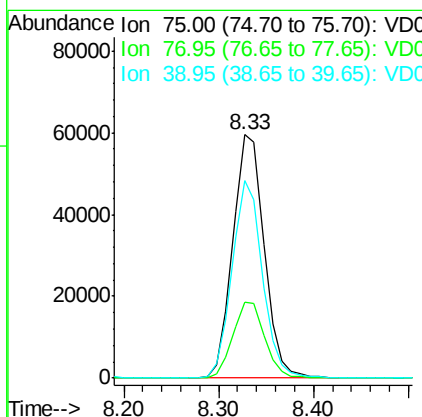
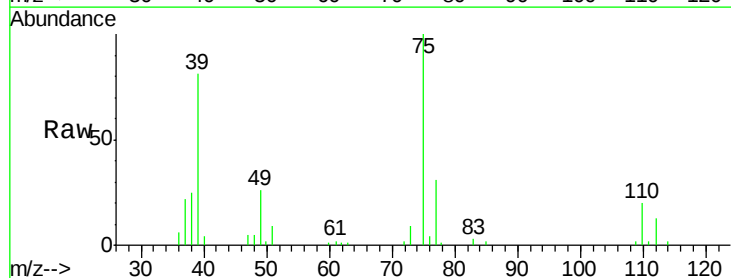
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

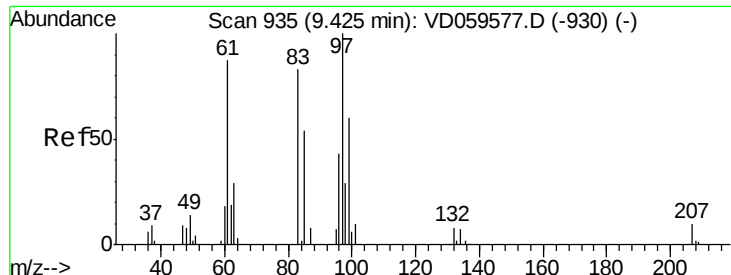
Tot Ion: 75 Resp: 133301
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 95.023 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 75 Resp: 137060
 Ion Ratio Lower Upper
 75 100
 77 31.4 27.7 41.5
 39 81.2 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 78.070 ug/l

RT: 9.43 min Scan# 936

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 63638

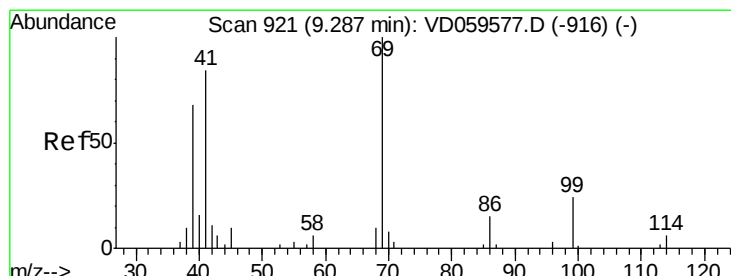
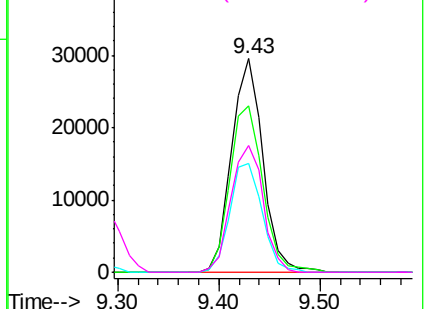
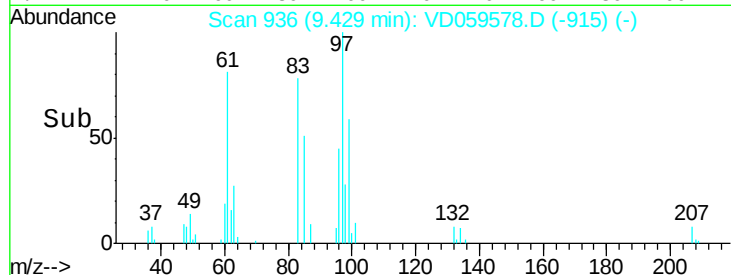
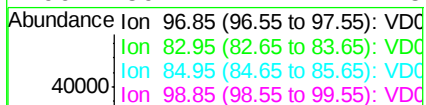
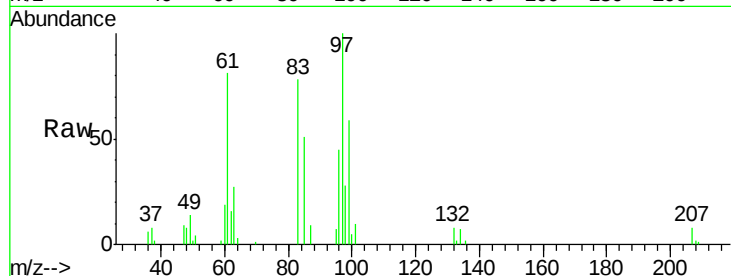
Ion Ratio Lower Upper

97 100

83 78.2 66.3 99.5

85 50.9 43.0 64.6

99 59.2 47.7 71.5



#56

Ethyl methacrylate

Concen: 89.602 ug/l

RT: 9.29 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

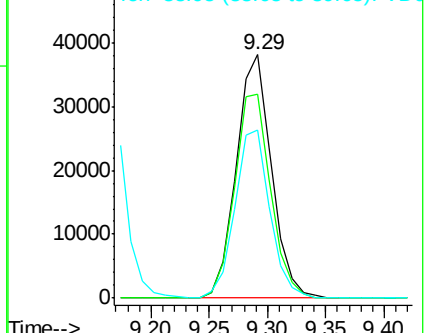
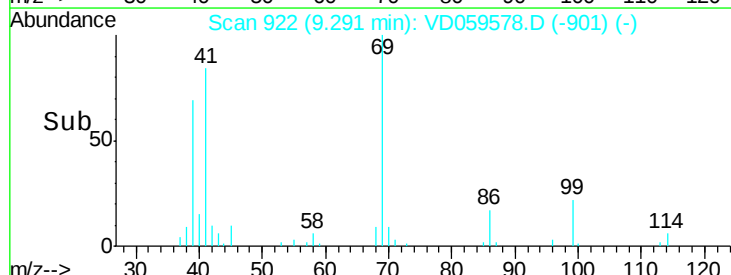
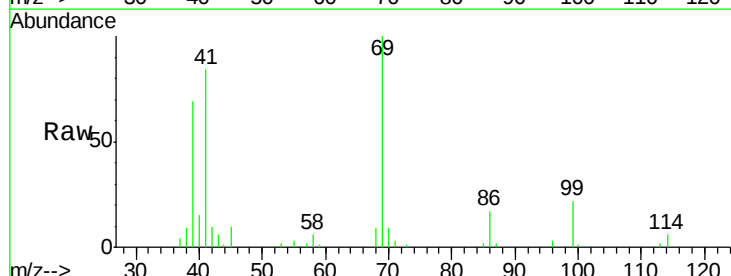
Tgt Ion: 69 Resp: 79377

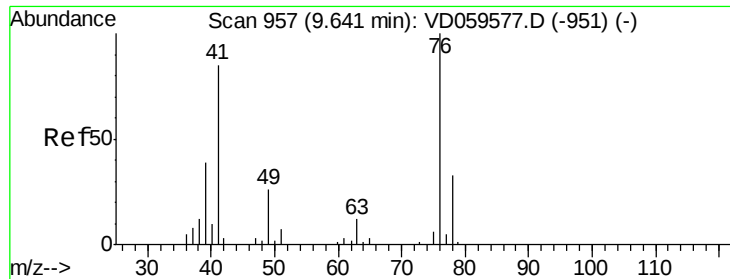
Ion Ratio Lower Upper

69 100

41 84.0 66.8 100.2

39 69.2 54.7 82.1





#57

1,3-Dichloropropane

Concen: 83.970 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

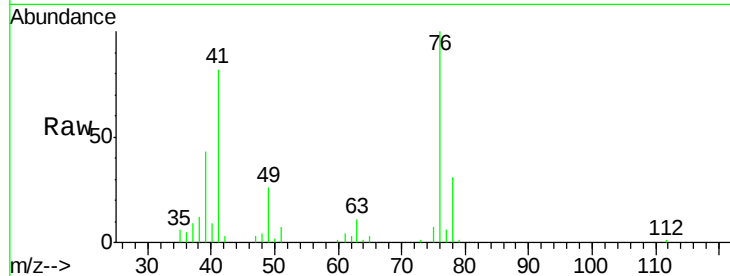
VSTDIC075

Tot Ion: 76 Resp: 106237

Ion Ratio Lower Upper

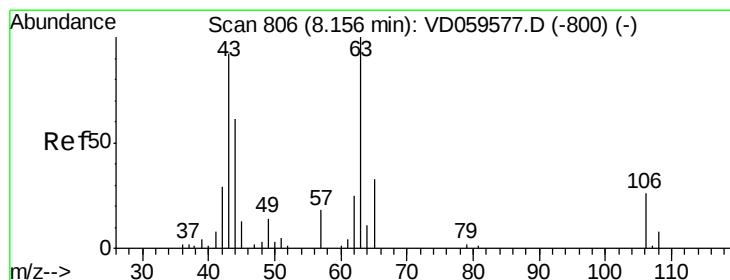
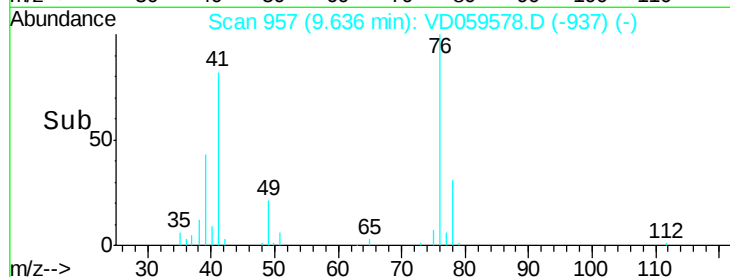
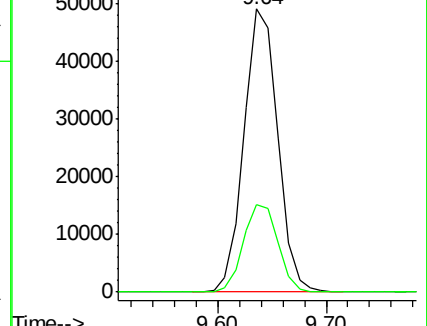
76 100

78 30.8 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 450.026 ug/l

RT: 8.16 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD059578.D

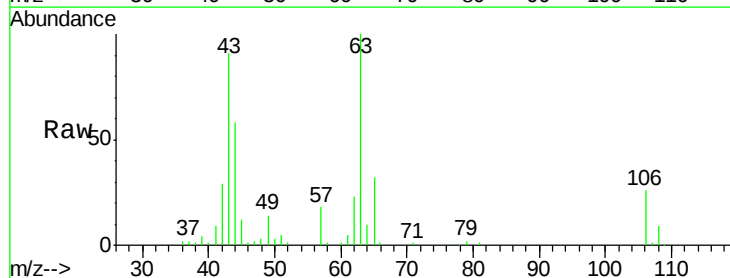
Acq: 24 Jul 2018 18:45

Tgt Ion: 63 Resp: 180753

Ion Ratio Lower Upper

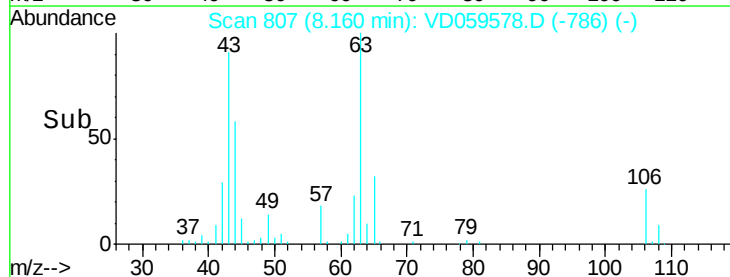
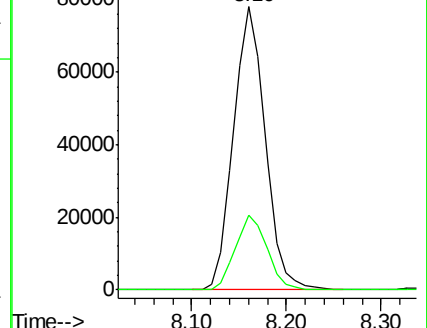
63 100

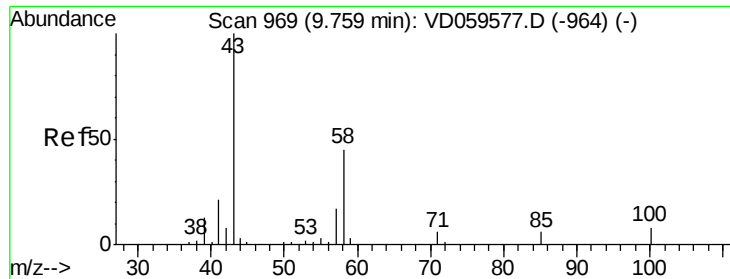
106 26.2 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

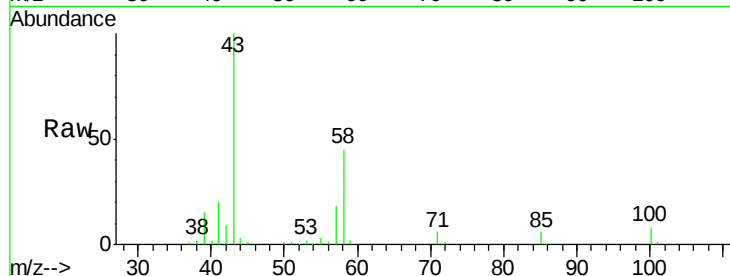




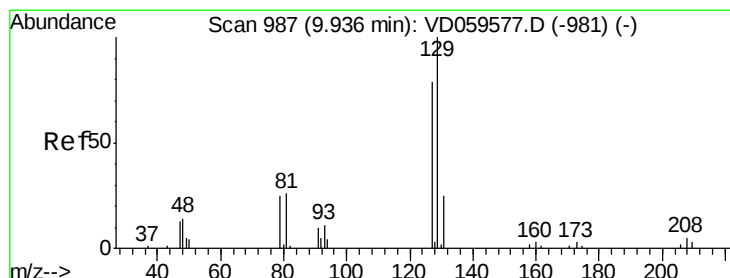
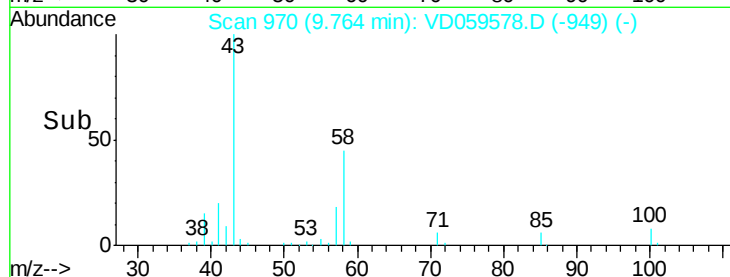
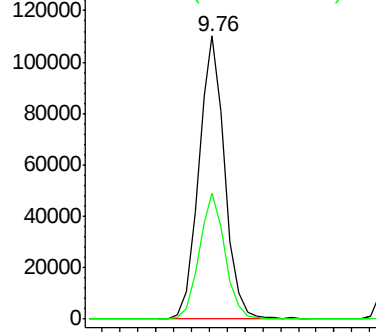
#59
2-Hexanone
Concen: 503.181 ug/l
RT: 9.76 min Scan# 970
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 223647
Ion Ratio Lower Upper
43 100
58 44.7 22.7 68.1

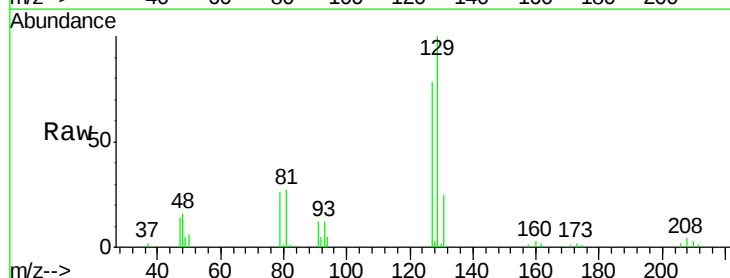


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

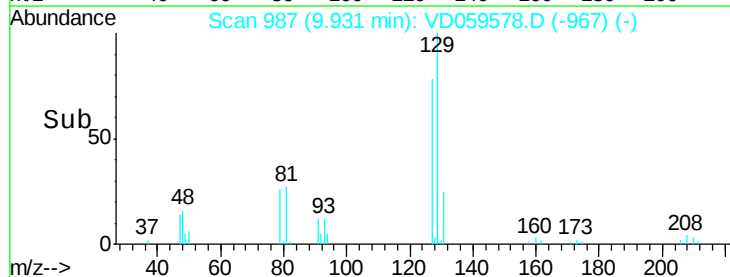
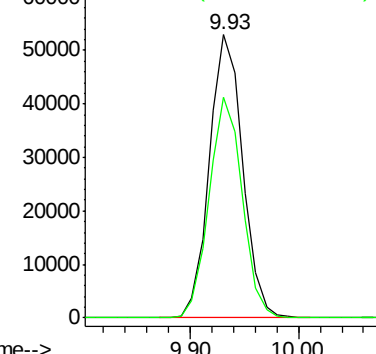


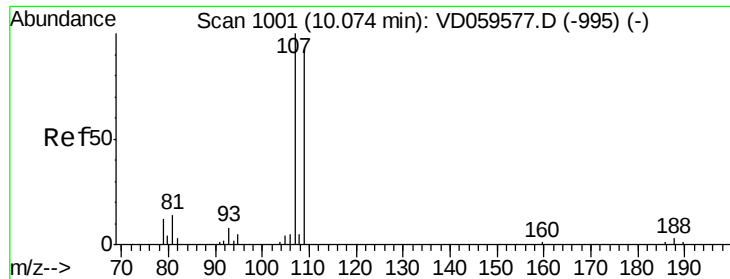
#60
Dibromochloromethane
Concen: 77.086 ug/l
RT: 9.93 min Scan# 987
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion:129 Resp: 112755
Ion Ratio Lower Upper
129 100
127 78.0 39.3 117.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

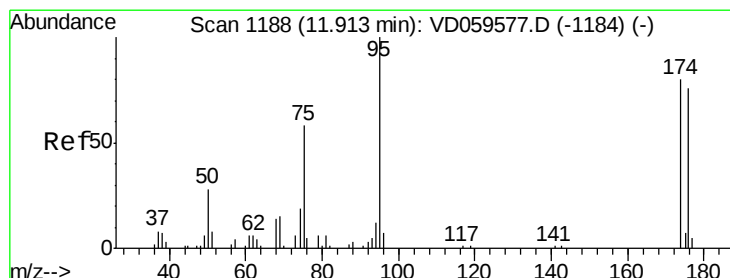
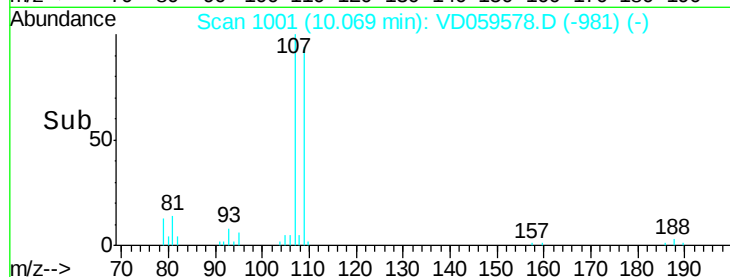
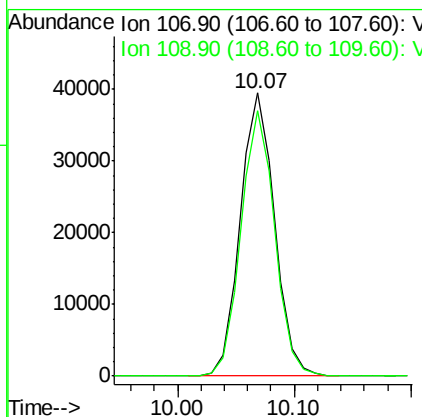
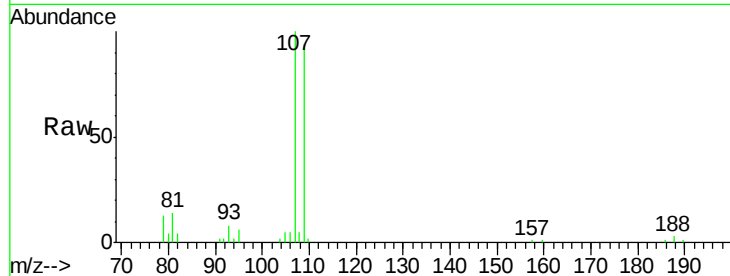




#61
 1,2-Dibromoethane
 Concen: 83.524 ug/l
 RT: 10.07 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

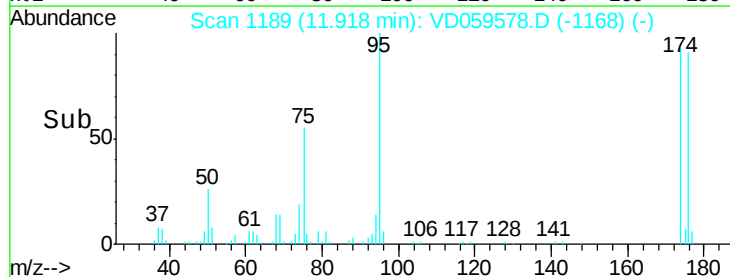
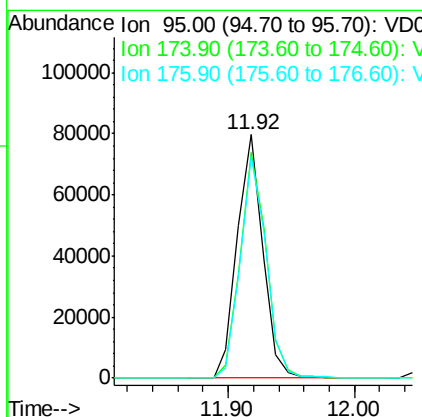
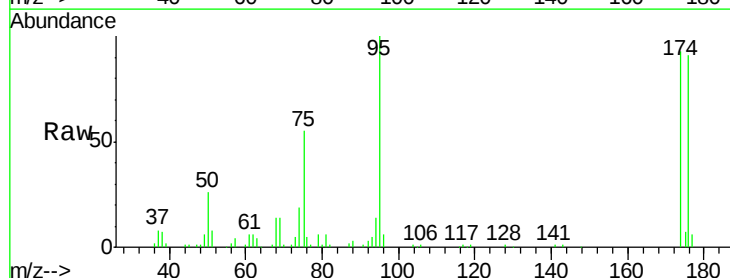
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

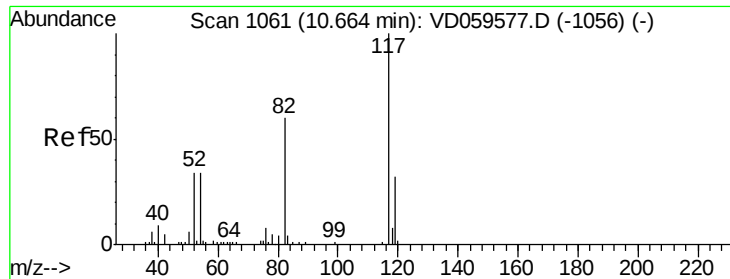
Tot Ion:107 Resp: 80115
 Ion Ratio Lower Upper
 107 100
 109 93.9 73.4 110.0



#62
 4-Bromofluorobenzene
 Concen: 83.524 ug/l
 RT: 11.92 min Scan# 1189
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 95 Resp: 111194
 Ion Ratio Lower Upper
 95 100
 174 92.5 0.0 160.6
 176 91.1 0.0 152.8

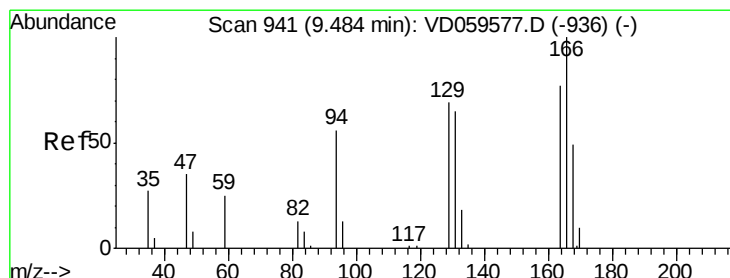
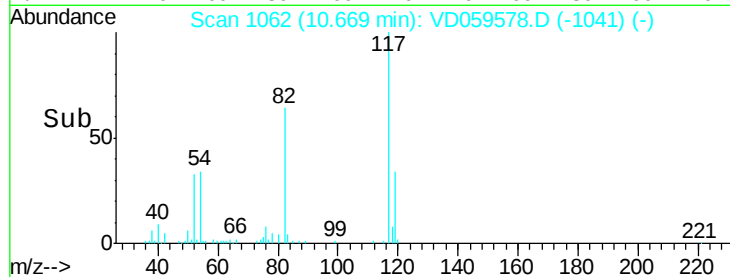
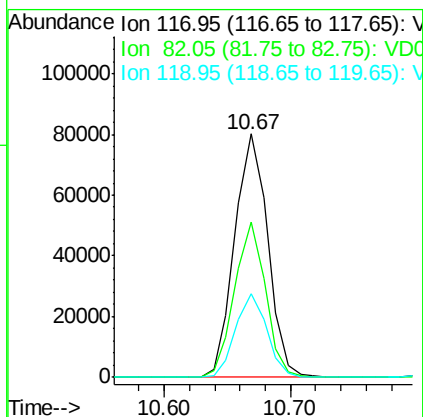
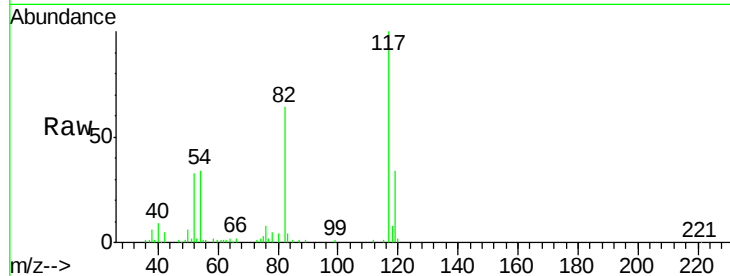




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

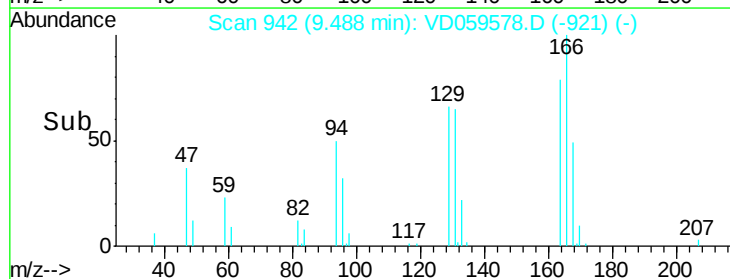
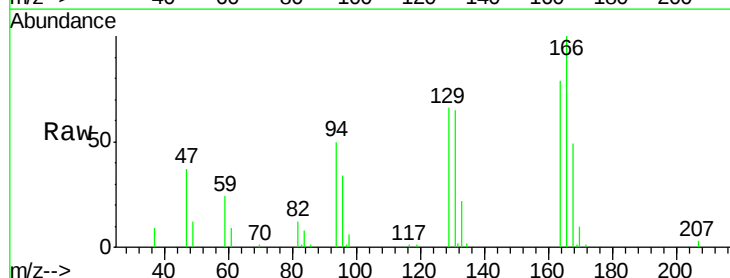
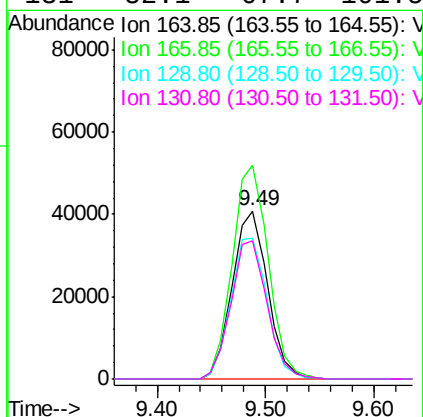
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

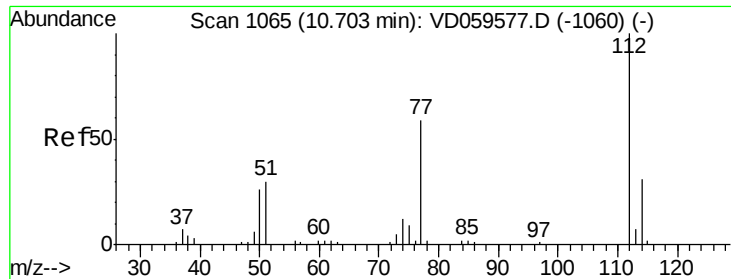
Tot Ion:117 Resp: 145223
Ion Ratio Lower Upper
117 100
82 63.8 48.2 72.2
119 34.2 25.4 38.2



#64
Tetrachloroethene
Concen: 47.590 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion:164 Resp: 92693
Ion Ratio Lower Upper
164 100
166 127.0 104.0 156.0
129 83.5 72.2 108.4
131 82.1 67.7 101.5

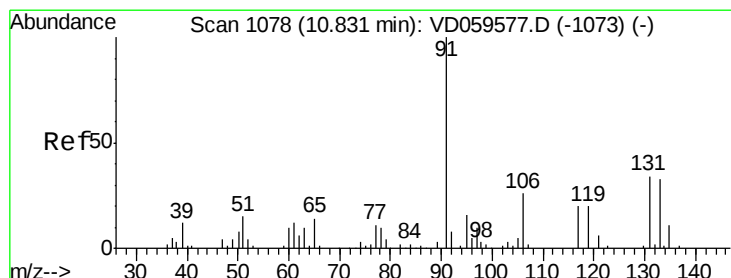
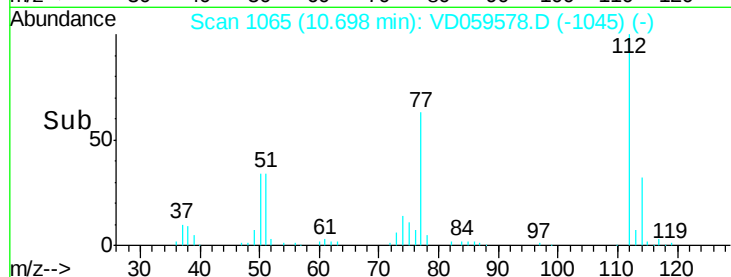
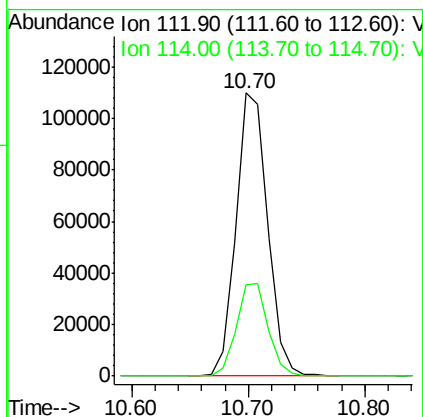
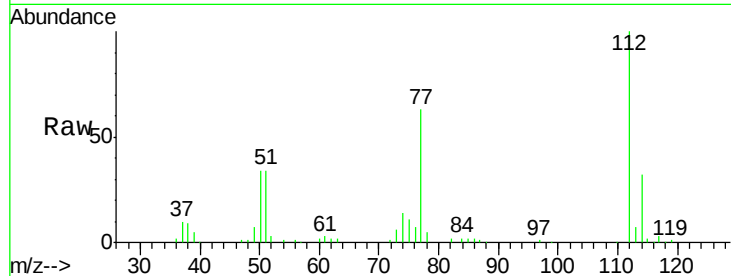




#65
Chlorobenzene
Concen: 71.834 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

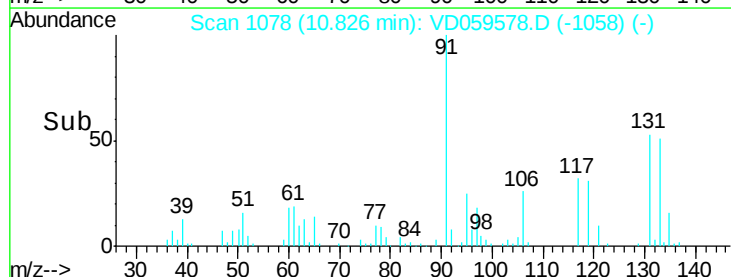
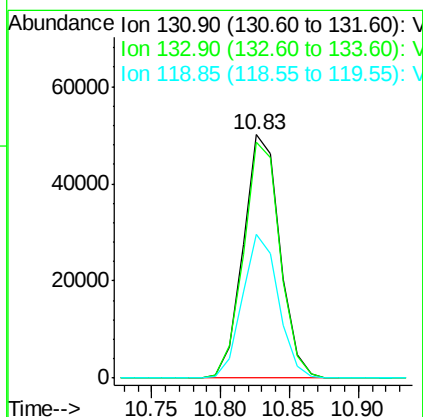
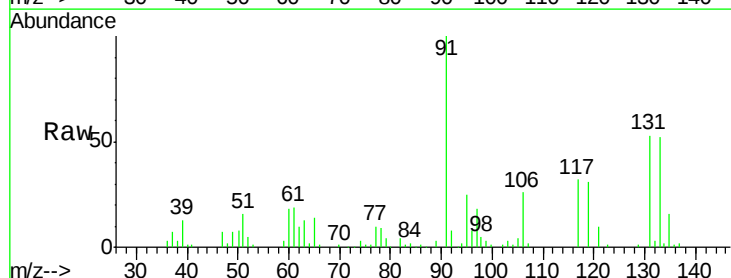
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

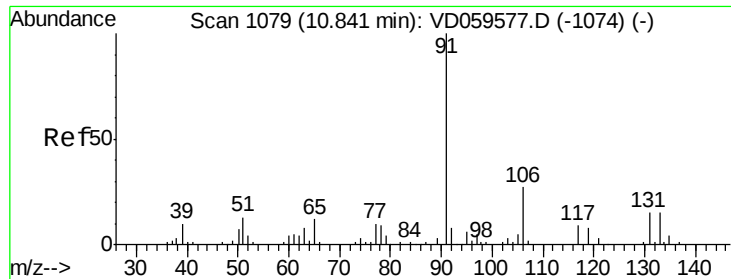
Tot Ion:112 Resp: 205456
Ion Ratio Lower Upper
112 100
114 32.4 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 75.863 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion:131 Resp: 92438
Ion Ratio Lower Upper
131 100
133 97.1 47.9 143.7
119 58.8 28.7 86.1

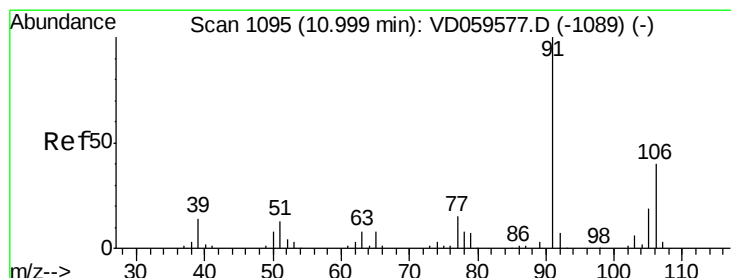
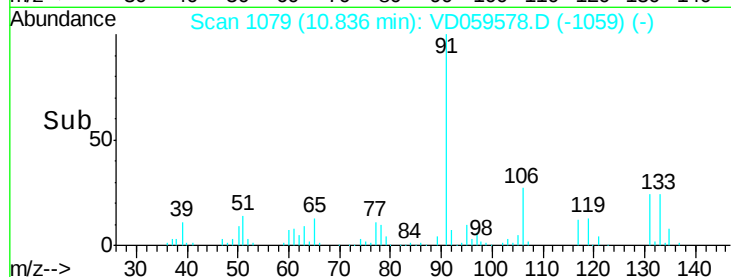
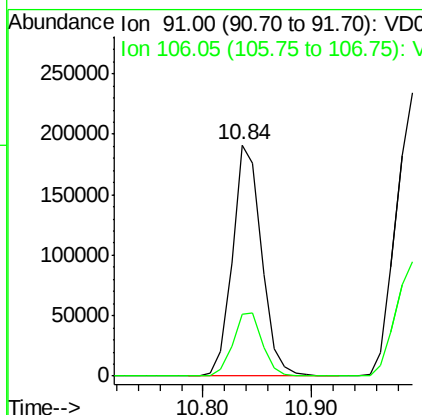
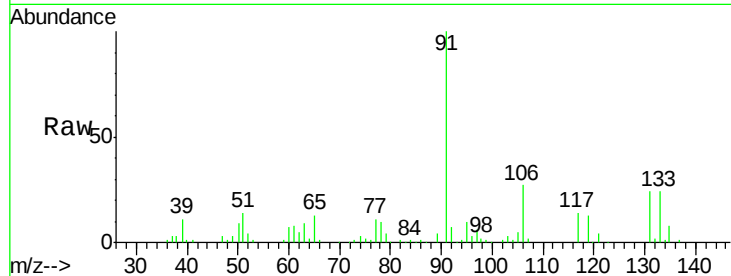




#67
Ethyl Benzene
Concen: 83.347 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

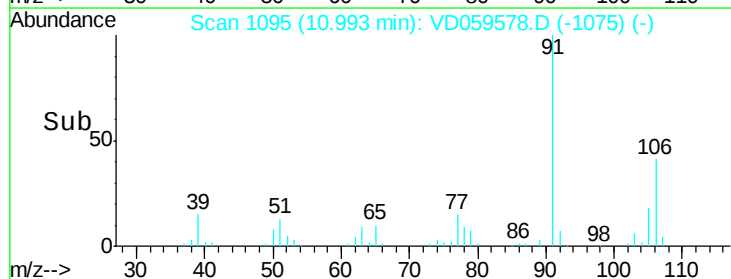
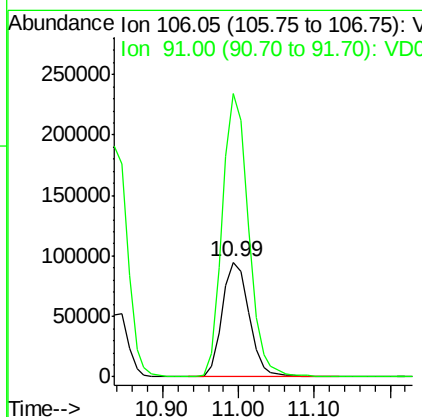
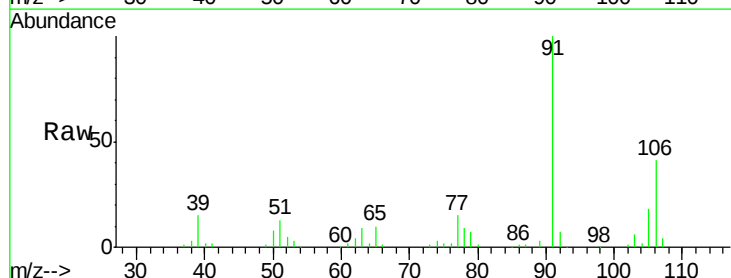
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

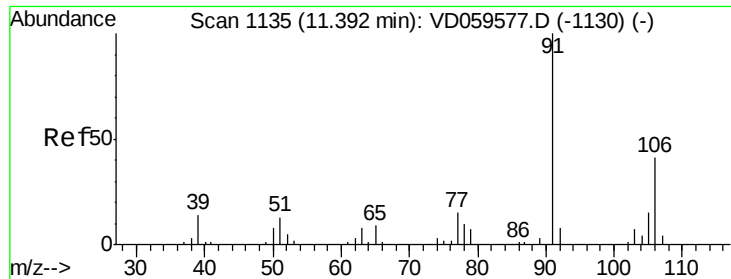
Tot Ion: 91 Resp: 356644
Ion Ratio Lower Upper
91 100
106 26.9 21.6 32.4



#68
m/p-Xylenes
Concen: 150.430 ug/l
RT: 10.99 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion: 106 Resp: 234888
Ion Ratio Lower Upper
106 100
91 246.0 198.2 297.4

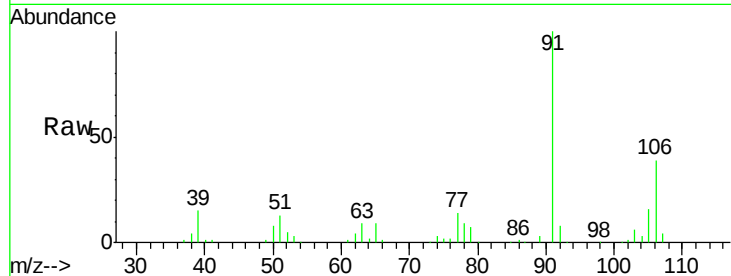




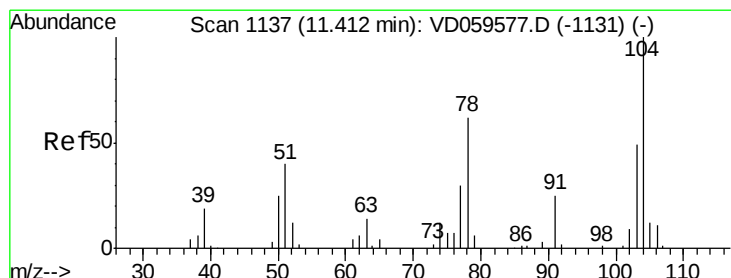
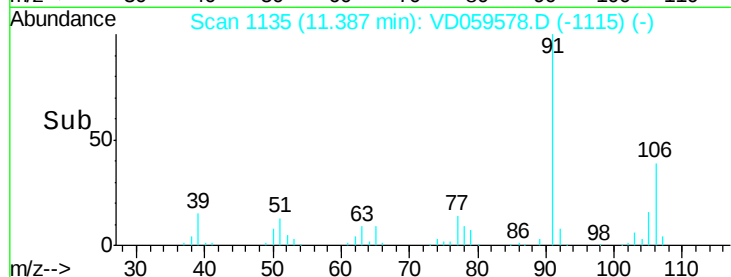
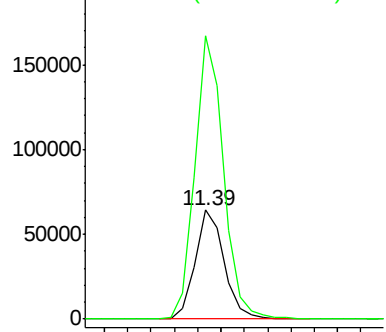
#69
o-Xylene
Concen: 72.479 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:106 Resp: 110110
Ion Ratio Lower Upper
106 100
91 259.7 122.7 368.1

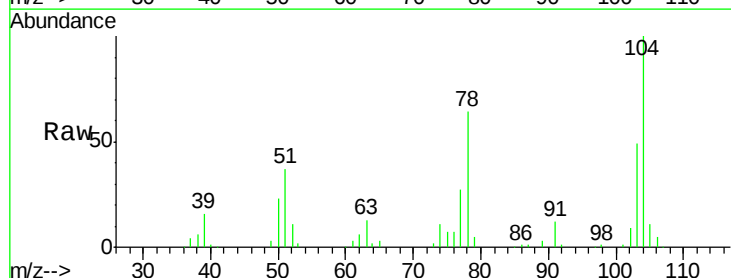


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

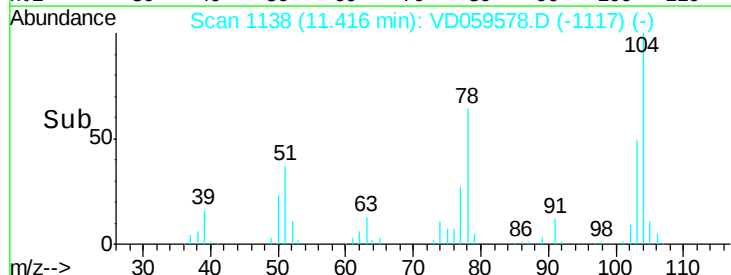
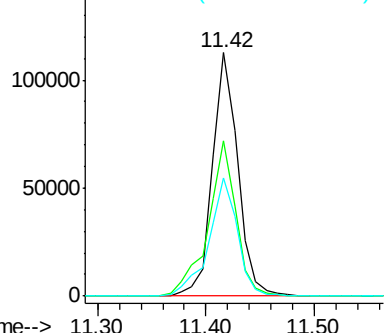


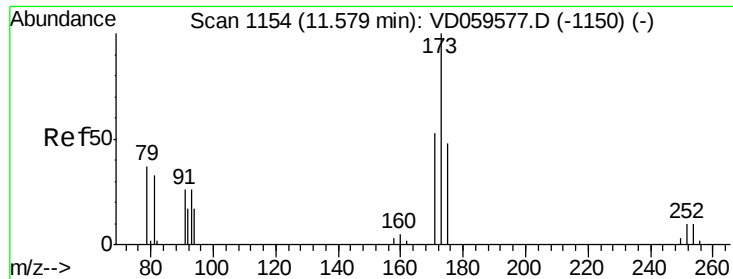
#70
Styrene
Concen: 72.982 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion:104 Resp: 183214
Ion Ratio Lower Upper
104 100
78 63.7 49.4 74.0
103 48.6 39.0 58.6



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 71.573 ug/l

RT: 11.58 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

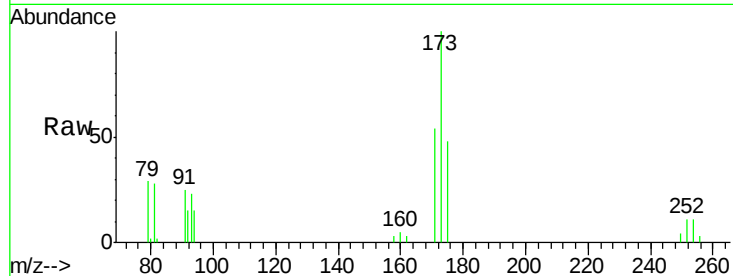
Tot Ion:173 Resp: 80451

Ion Ratio Lower Upper

173 100

175 47.9 23.8 71.4

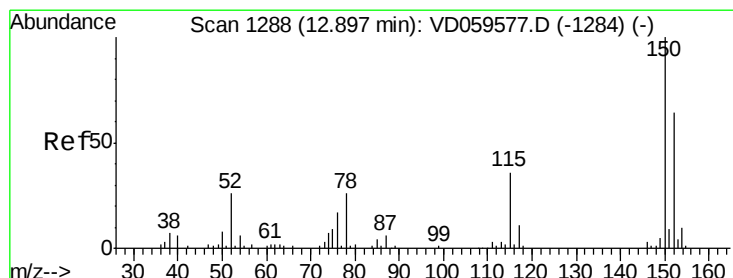
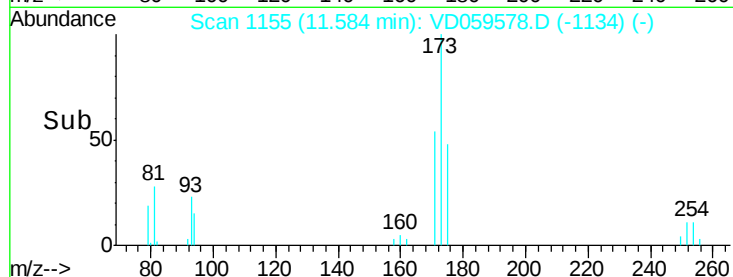
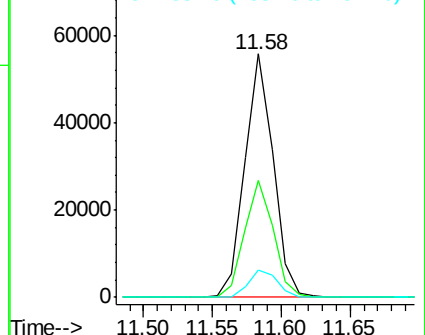
254 11.0 7.8 11.6



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.89 min Scan# 1288

Delta R.T. -0.01 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

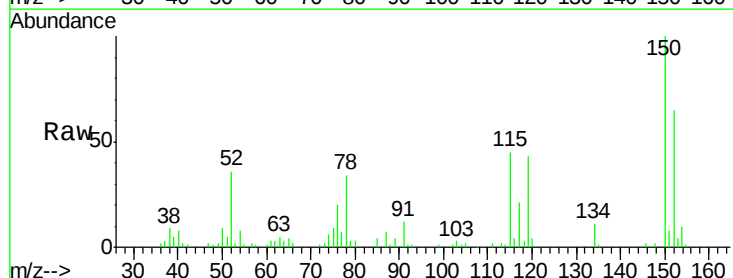
Tgt Ion:152 Resp: 72730

Ion Ratio Lower Upper

152 100

115 69.5 29.5 88.6

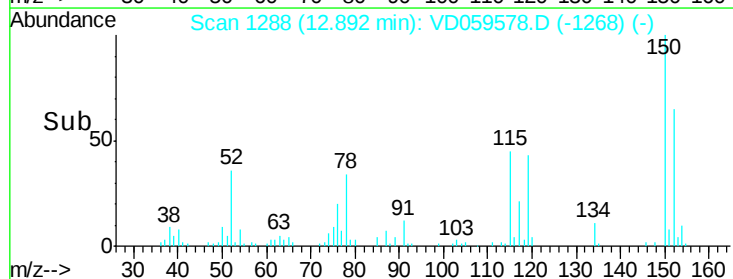
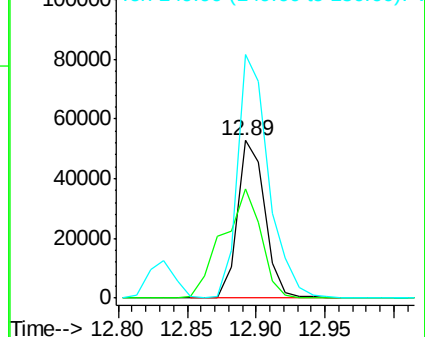
150 154.6 0.0 314.4

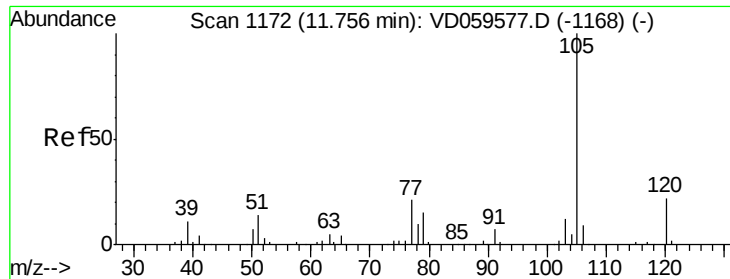


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V

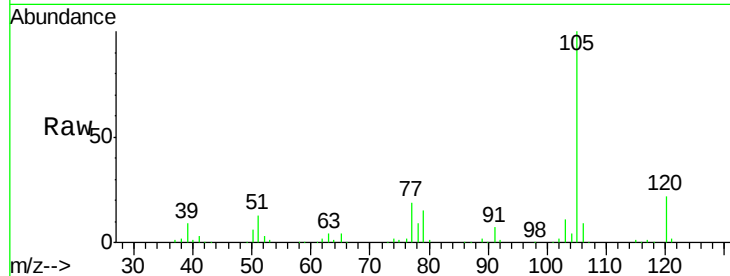




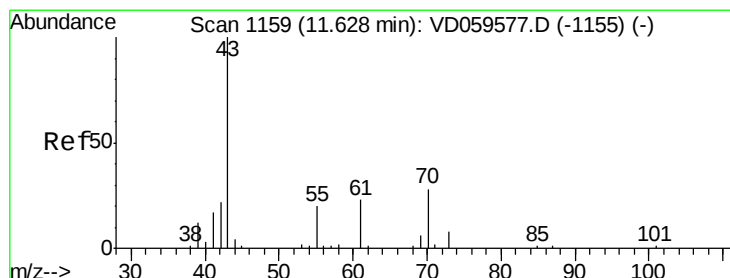
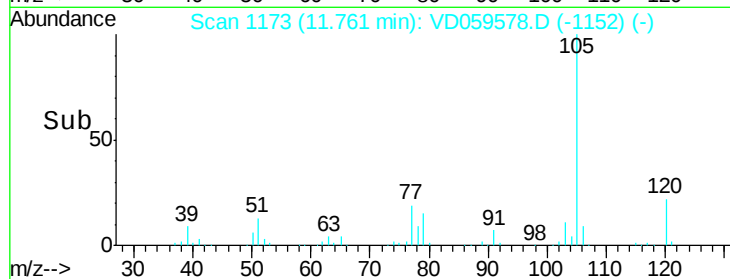
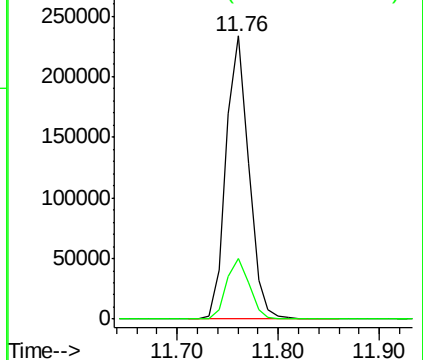
#73
Isopropylbenzene
Concen: 93.698 ug/l
RT: 11.76 min Scan# 1173
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

Tot Ion:105 Resp: 365168
Ion Ratio Lower Upper
105 100
120 21.6 10.9 32.7

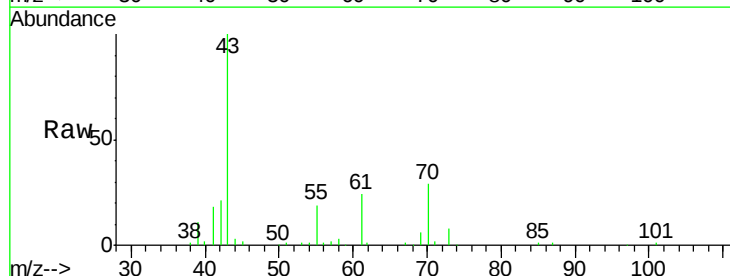


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

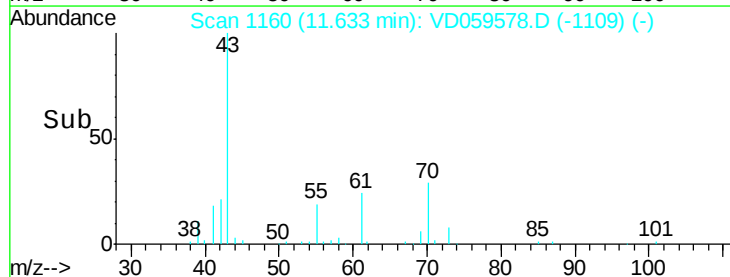
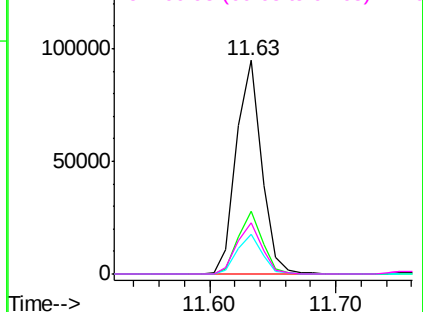


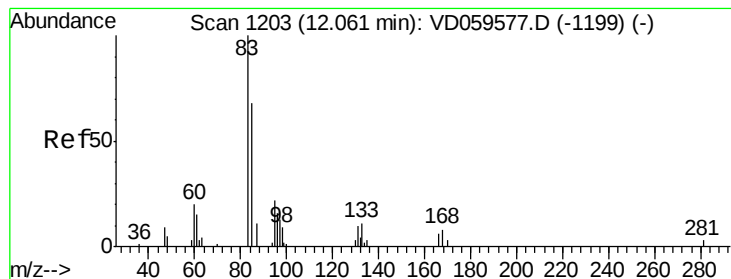
#74
N-ethyl acetate
Concen: 125.418 ug/l
RT: 11.63 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion: 43 Resp: 130708
Ion Ratio Lower Upper
43 100
70 29.2 22.0 33.0
55 18.6 16.2 24.2
61 23.8 18.6 27.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 96.248 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

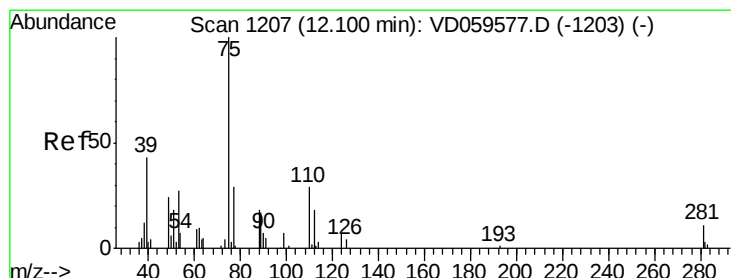
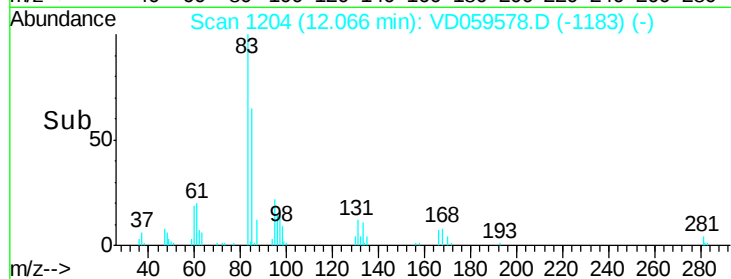
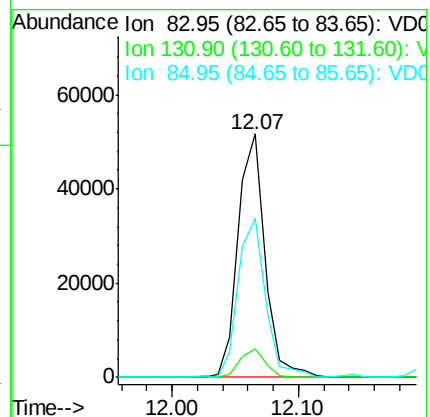
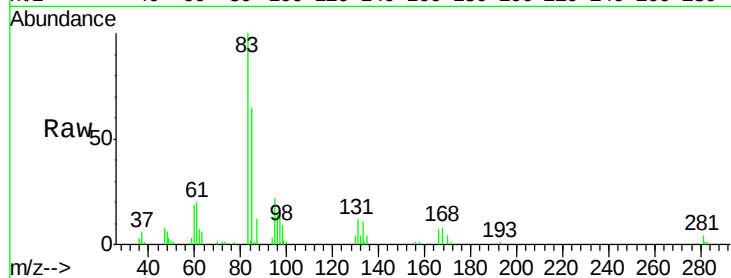
Tot Ion: 83 Resp: 75585

Ion Ratio Lower Upper

83 100

131 11.9 5.1 15.2

85 65.3 34.1 102.3



#76

1,2,3-Trichloropropane

Concen: 104.037 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059578.D

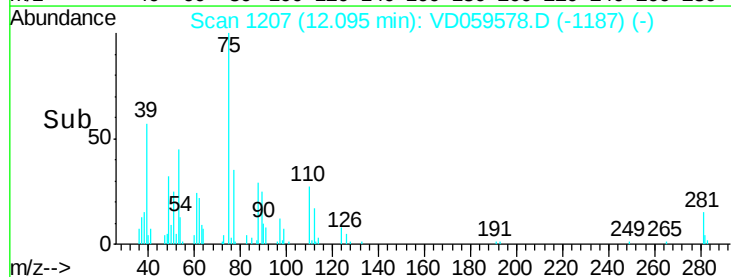
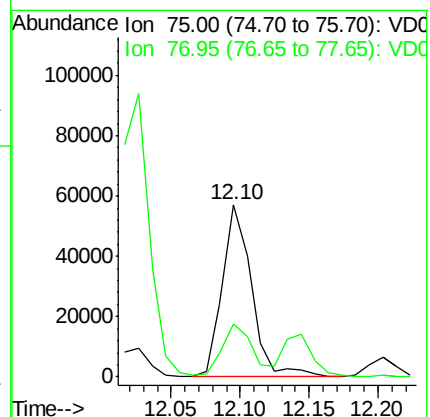
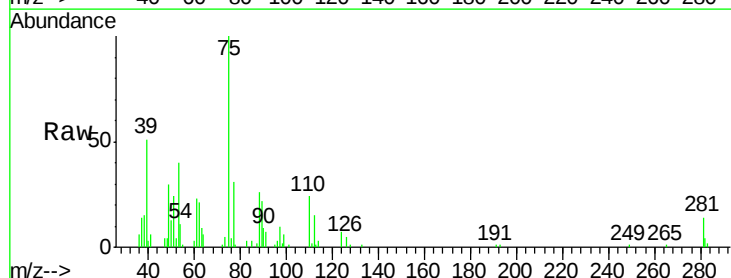
Acq: 24 Jul 2018 18:45

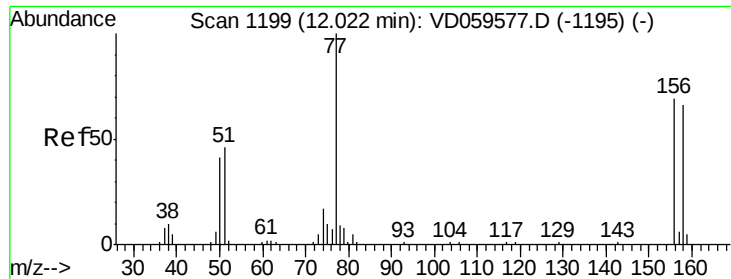
Tgt Ion: 75 Resp: 84212

Ion Ratio Lower Upper

75 100

77 31.0 15.6 46.7





#77

Bromobenzene

Concen: 67.693 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

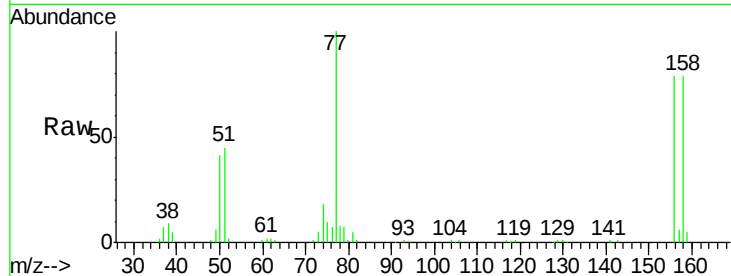
Tot Ion:156 Resp: 103060

Ion Ratio Lower Upper

156 100

77 125.8 72.4 217.2

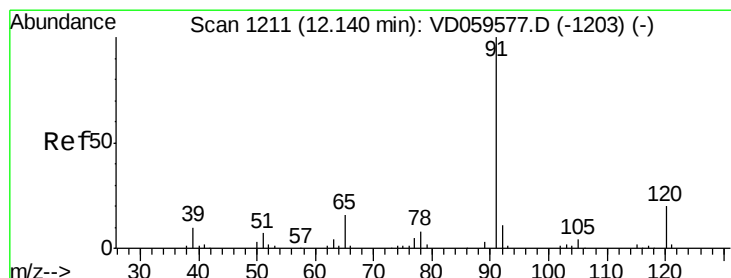
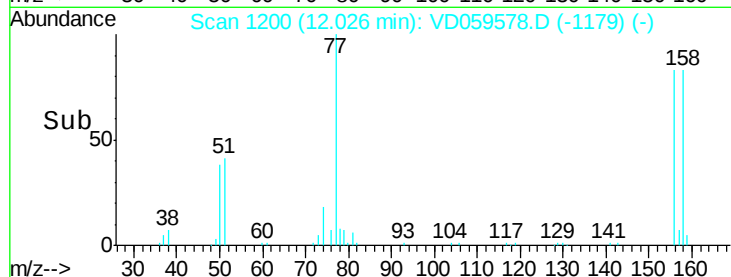
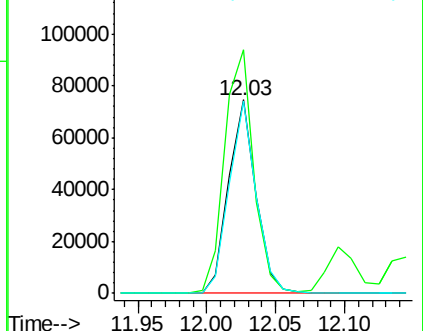
158 99.7 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 94.833 ug/l

RT: 12.14 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VD059578.D

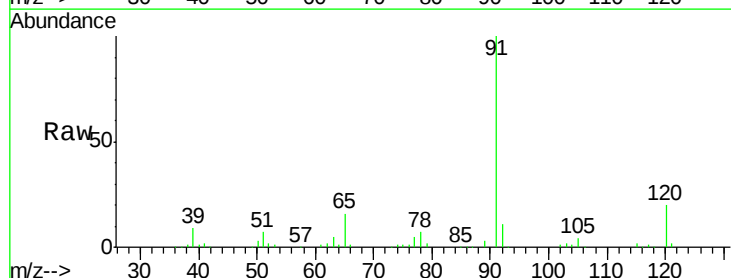
Acq: 24 Jul 2018 18:45

Tgt Ion: 91 Resp: 427731

Ion Ratio Lower Upper

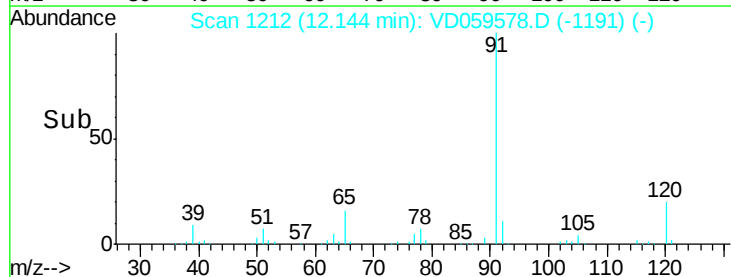
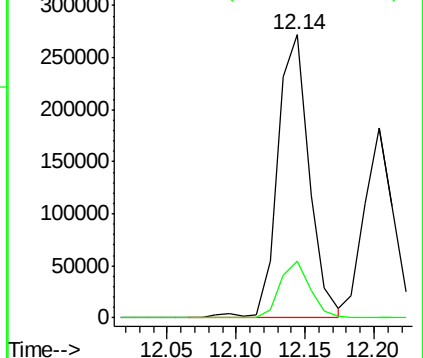
91 100

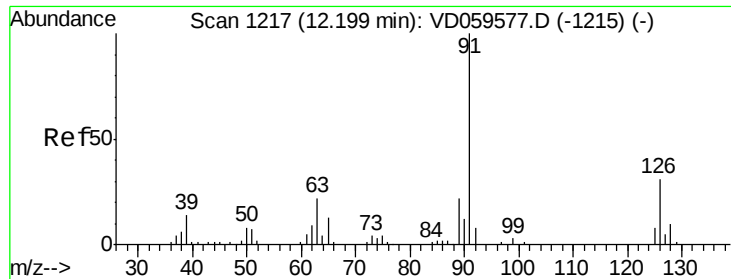
120 20.3 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

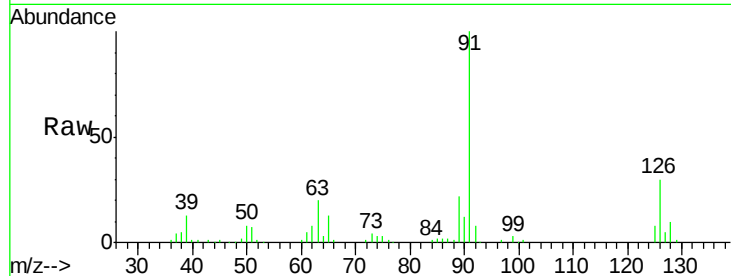




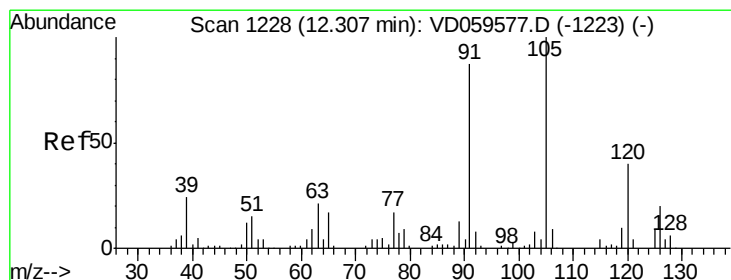
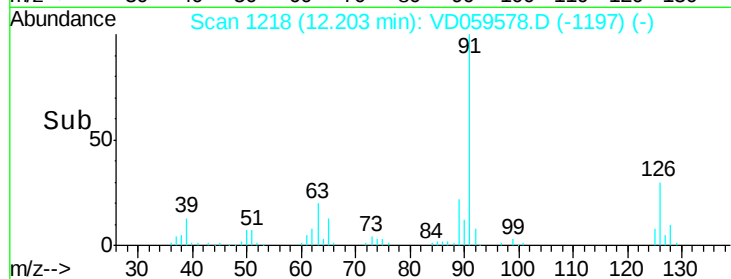
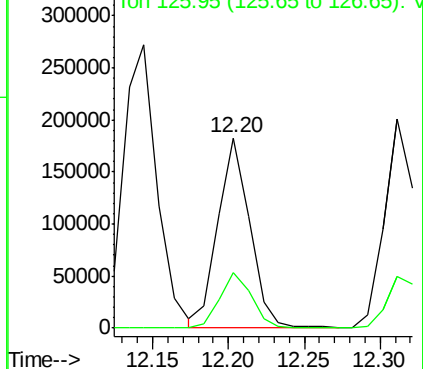
#79
 2-Chlorotoluene
 Concen: 99.207 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion: 91 Resp: 266310
 Ion Ratio Lower Upper
 91 100
 126 29.5 14.5 43.6

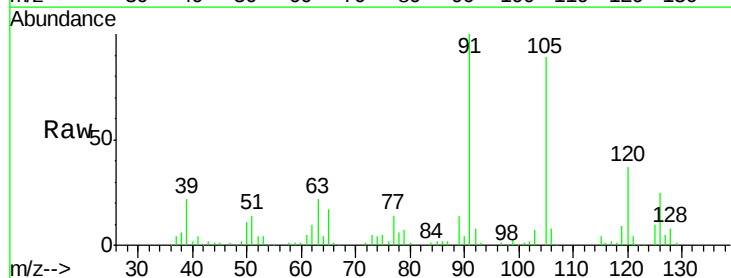


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

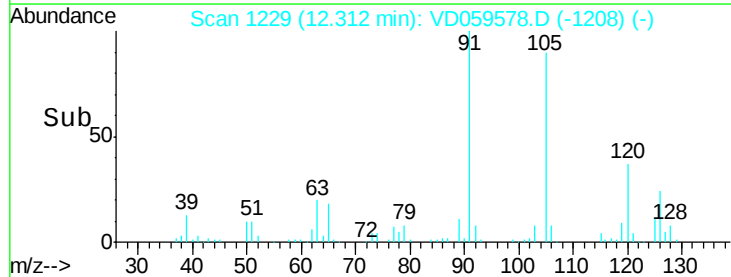
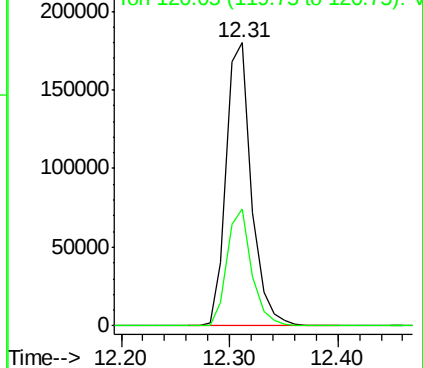


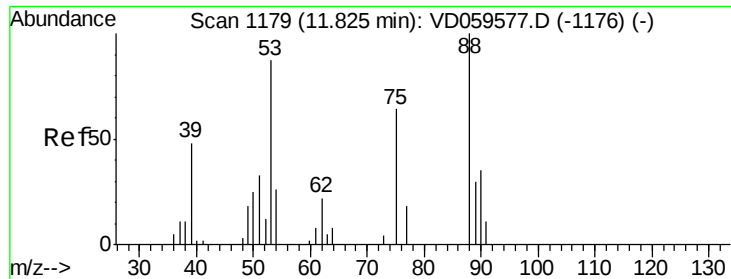
#80
 1,3,5-Trimethylbenzene
 Concen: 97.072 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 105 Resp: 292669
 Ion Ratio Lower Upper
 105 100
 120 41.4 19.9 59.6



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

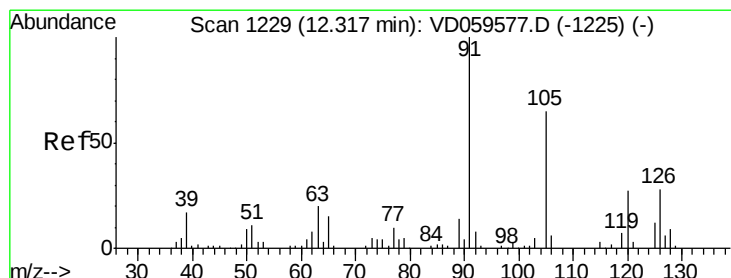
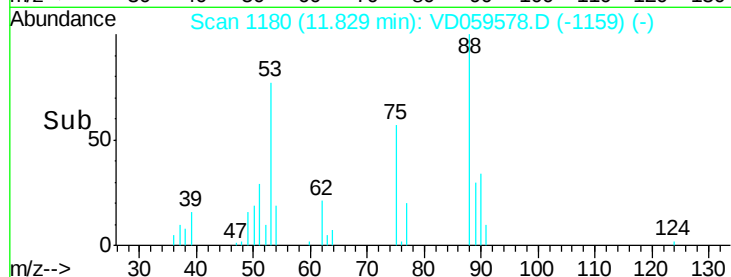
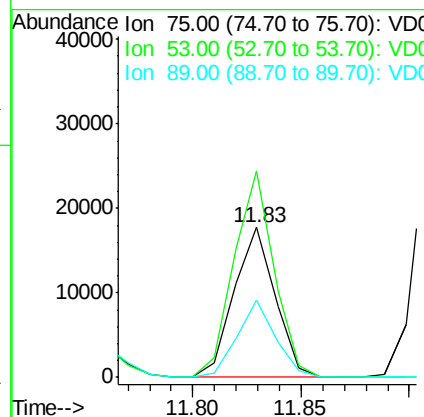
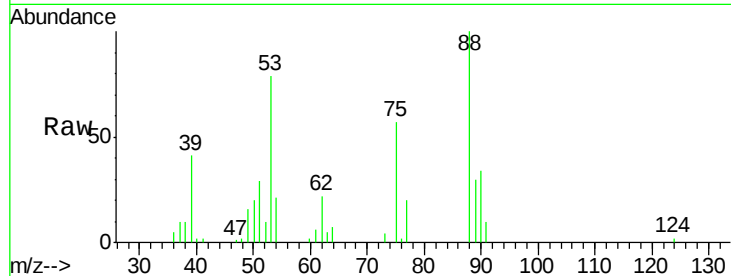




#81
trans-1,4-Dichloro-2-butene
Concen: 133.358 ug/l
RT: 11.83 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

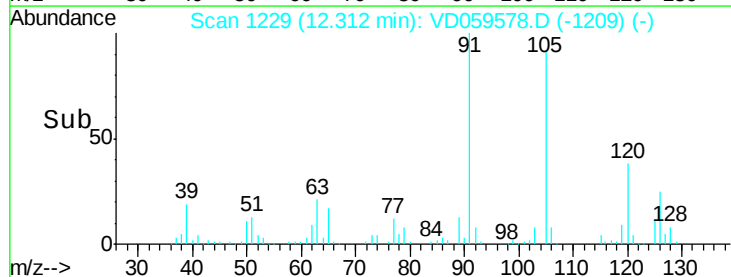
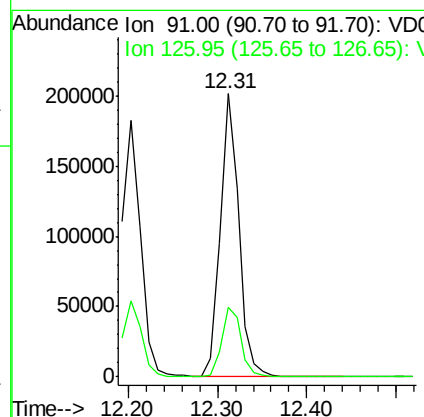
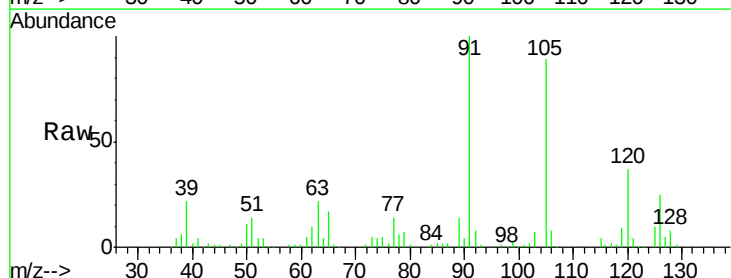
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

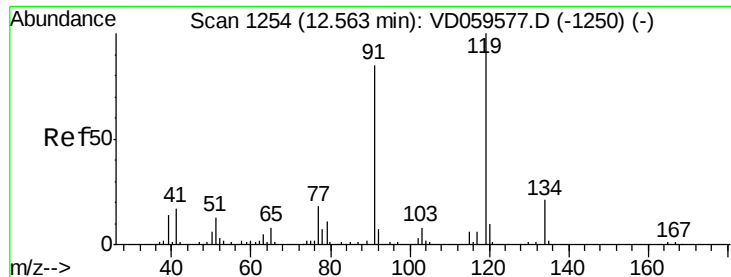
Tot Ion: 75 Resp: 23600
Ion Ratio Lower Upper
75 100
53 138.0 107.7 161.5
89 51.7 37.3 55.9



#82
4-Chlorotoluene
Concen: 98.687 ug/l
RT: 12.31 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion: 91 Resp: 294609
Ion Ratio Lower Upper
91 100
126 24.7 14.1 42.4

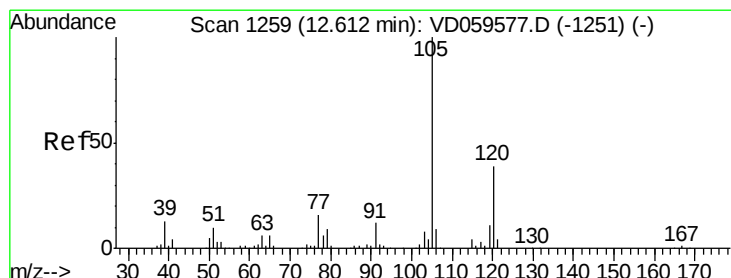
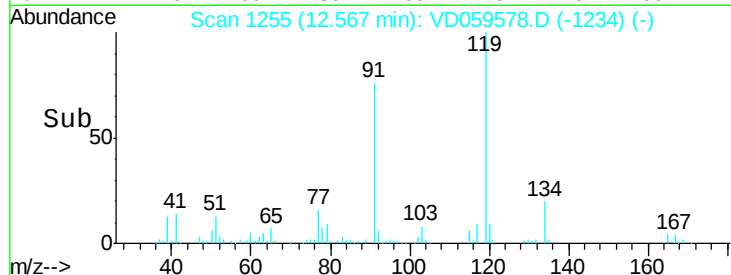
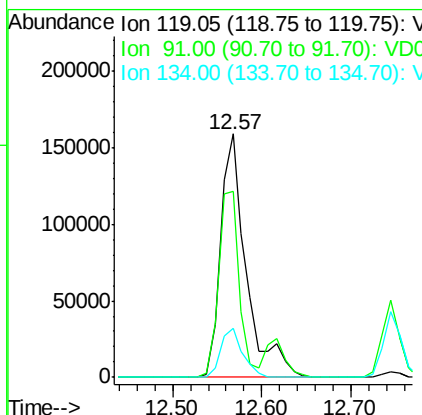
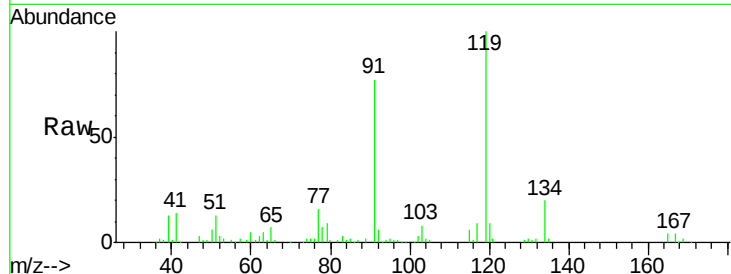




#83
 tert-Butylbenzene
 Concen: 97.242 ug/l
 RT: 12.57 min Scan# 1255
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

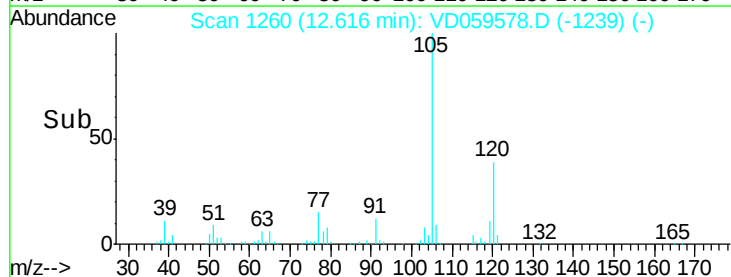
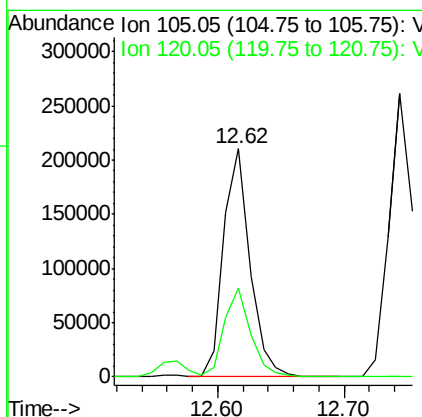
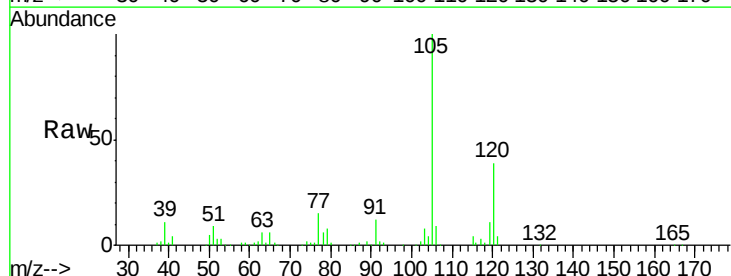
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

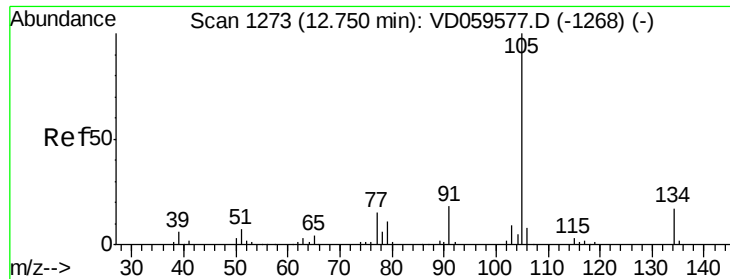
Tot Ion:119 Resp: 321103
 Ion Ratio Lower Upper
 119 100
 91 76.6 42.5 127.5
 134 19.9 10.5 31.6



#84
 1,2,4-Trimethylbenzene
 Concen: 97.450 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion:105 Resp: 305075
 Ion Ratio Lower Upper
 105 100
 120 38.7 19.3 57.9

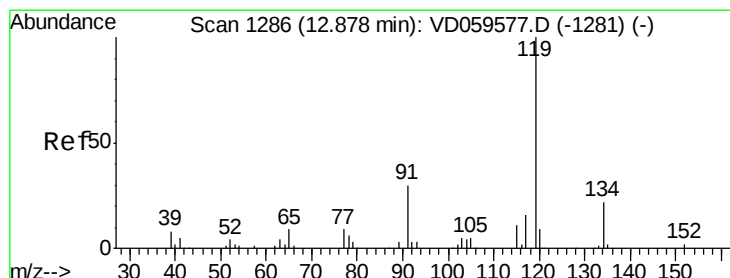
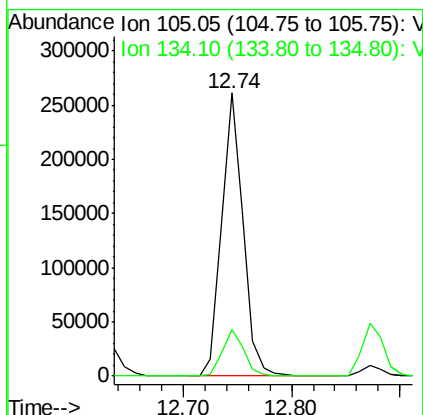
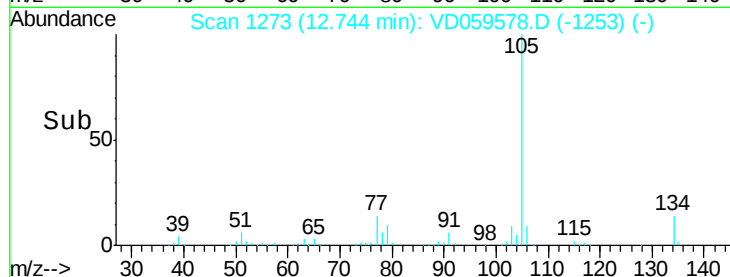
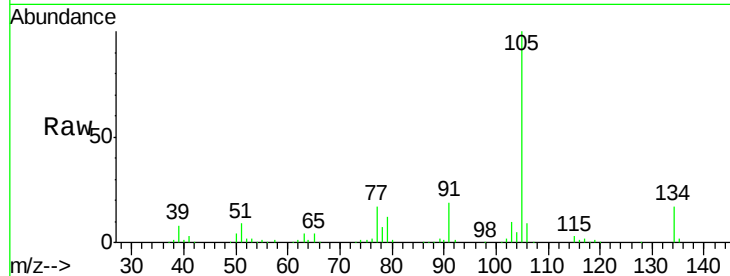




#85
 sec-Butylbenzene
 Concen: 96.116 ug/l
 RT: 12.74 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

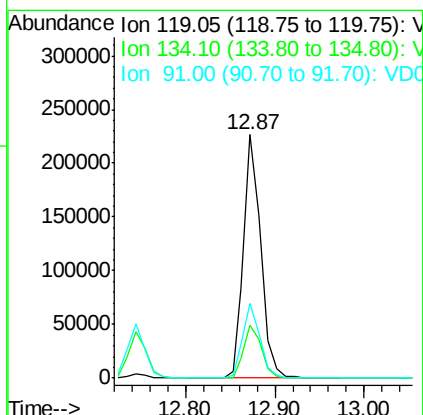
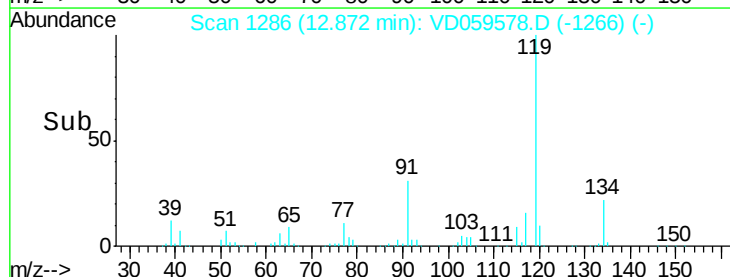
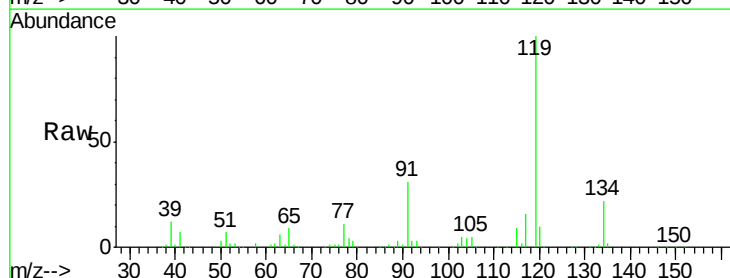
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC075

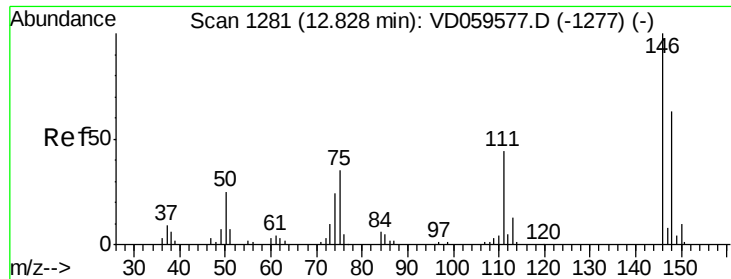
Tot Ion:105 Resp: 358283
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 89.542 ug/l
 RT: 12.87 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion:119 Resp: 305422
 Ion Ratio Lower Upper
 119 100
 134 21.6 11.2 33.6
 91 30.9 15.0 45.1

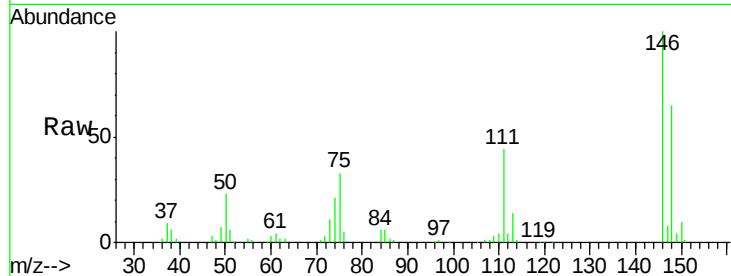




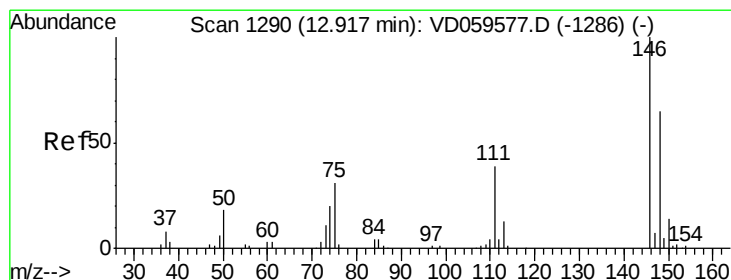
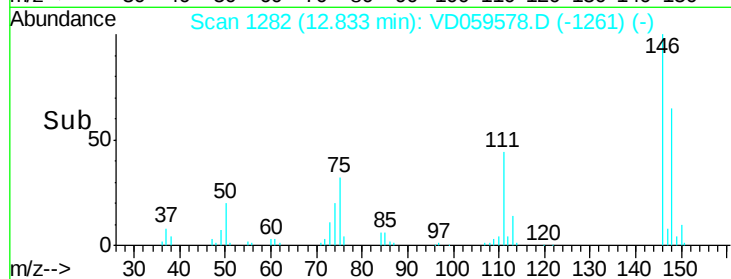
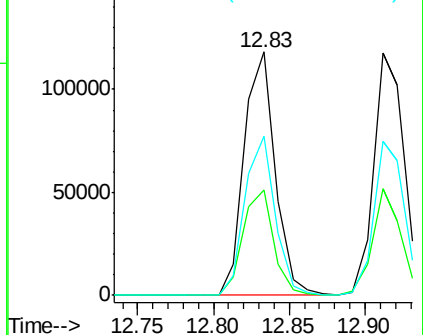
#87
 1,3-Dichlorobenzene
 Concen: 68.474 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 168788
 Ion Ratio Lower Upper
 146 100
 111 43.5 22.2 66.6
 148 65.2 31.8 95.3

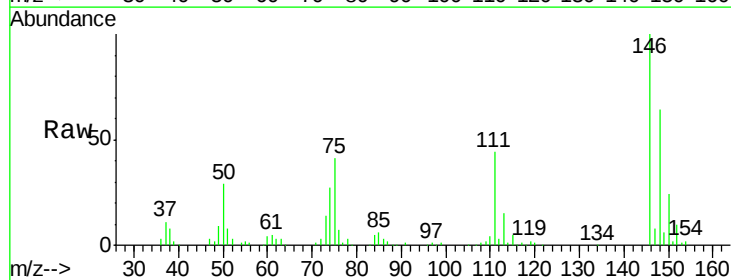


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

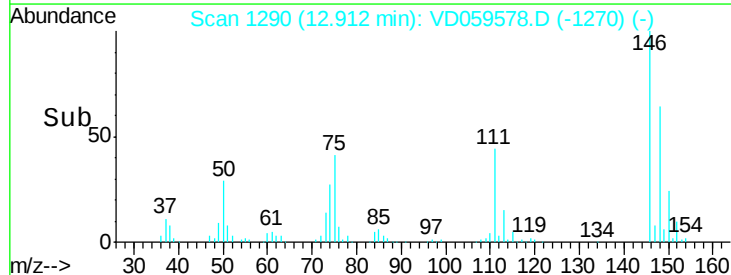
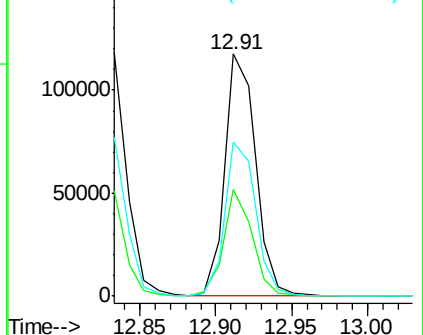


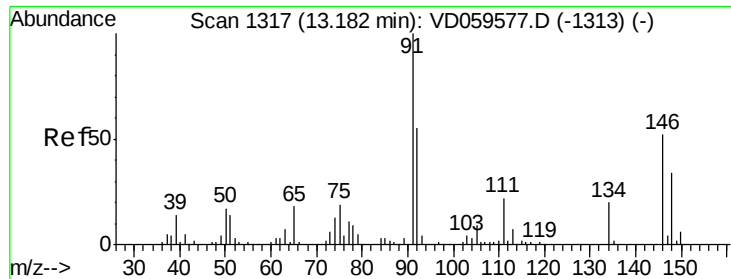
#88
 1,4-Dichlorobenzene
 Concen: 68.980 ug/l
 RT: 12.91 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion:146 Resp: 166626
 Ion Ratio Lower Upper
 146 100
 111 44.1 19.3 57.9
 148 63.7 32.4 97.2



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

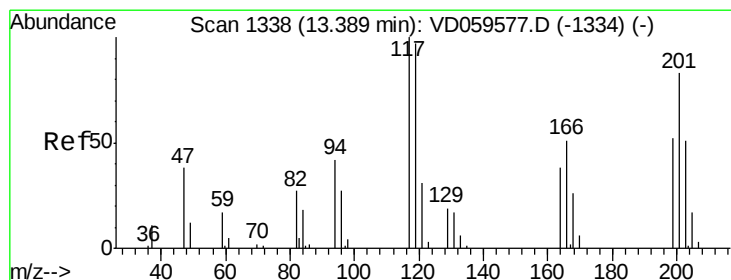
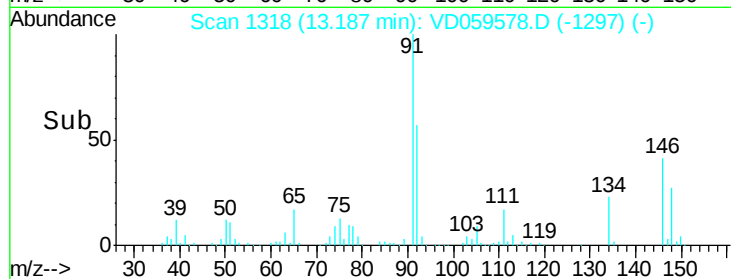
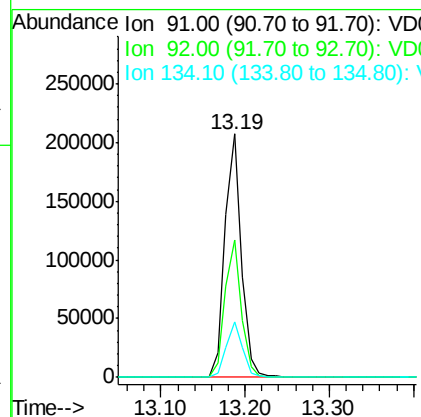
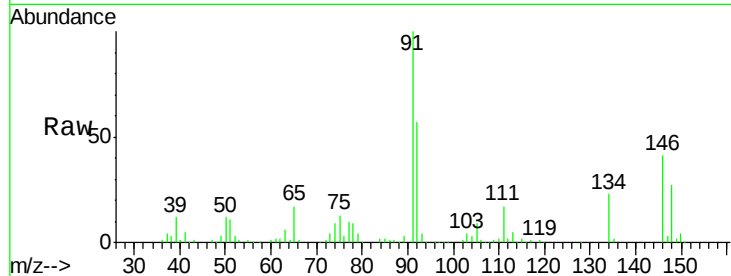




#89
n-Butylbenzene
Concen: 99.041 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

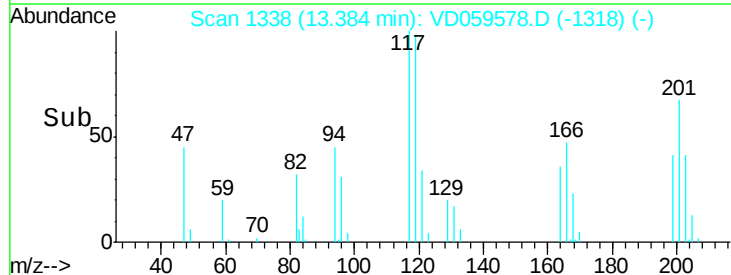
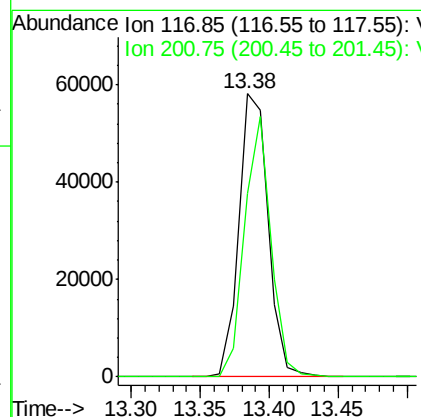
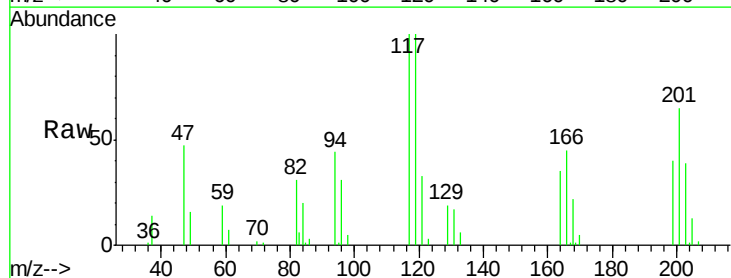
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC075

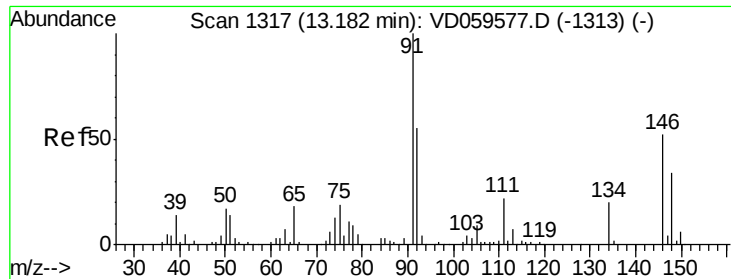
Tot Ion: 91 Resp: 282297
Ion Ratio Lower Upper
91 100
92 56.7 27.6 82.7
134 23.0 10.1 30.3



#90
Hexachloroethane
Concen: 94.327 ug/l
RT: 13.38 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059578.D
Acq: 24 Jul 2018 18:45

Tgt Ion: 117 Resp: 86162
Ion Ratio Lower Upper
117 100
201 64.8 41.5 124.5

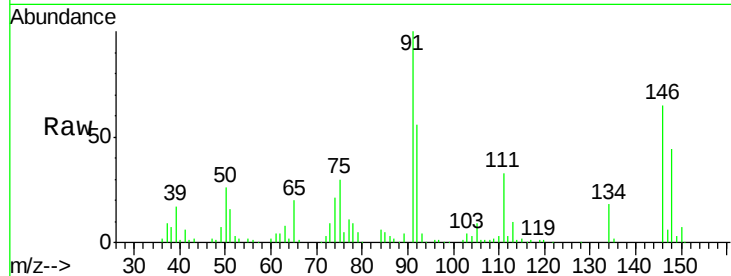




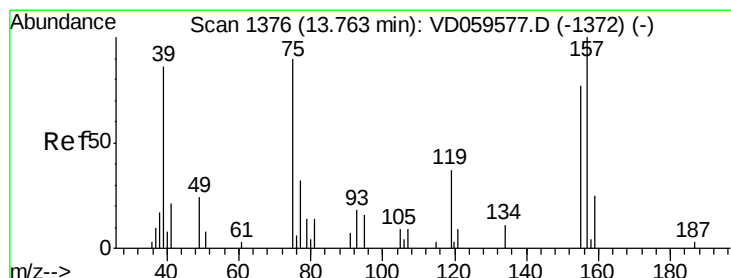
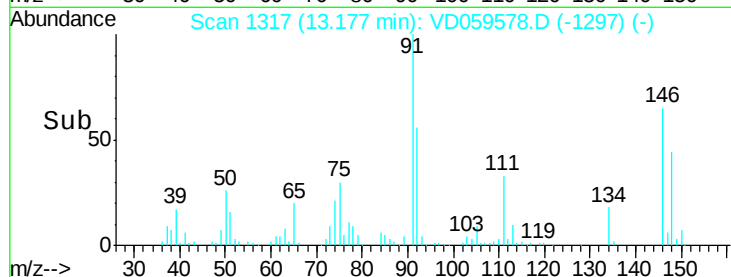
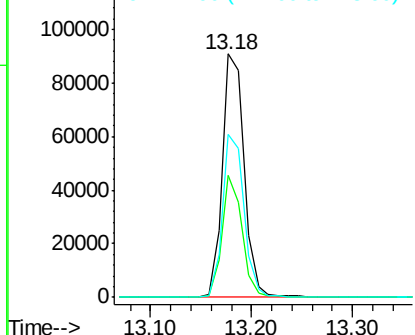
#91
 1,2-Dichlorobenzene
 Concen: 67.385 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:146 Resp: 137372
 Ion Ratio Lower Upper
 146 100
 111 50.1 21.4 64.3
 148 67.2 32.6 98.0

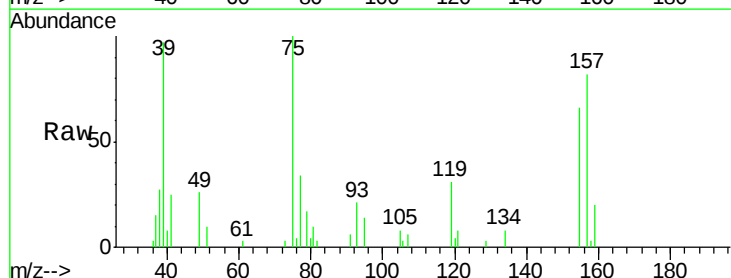


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

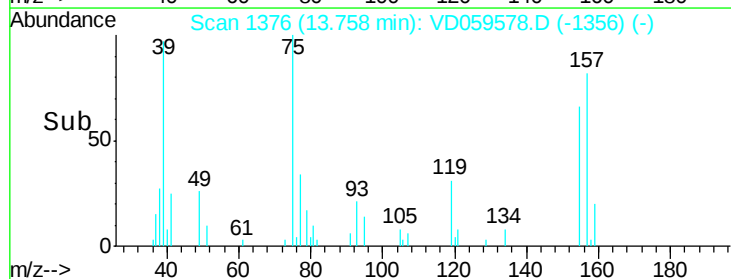
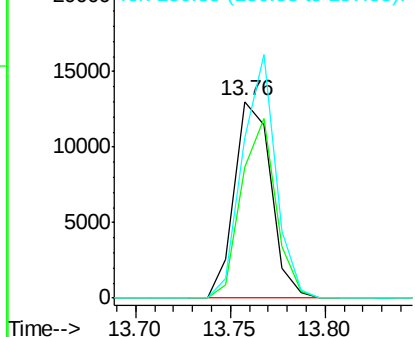


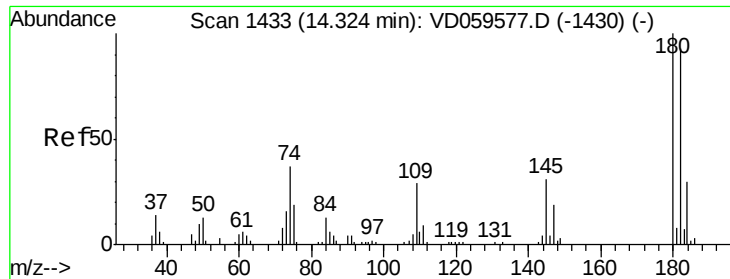
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 131.877 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion: 75 Resp: 17369
 Ion Ratio Lower Upper
 75 100
 155 66.3 42.5 127.5
 157 81.5 55.5 166.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

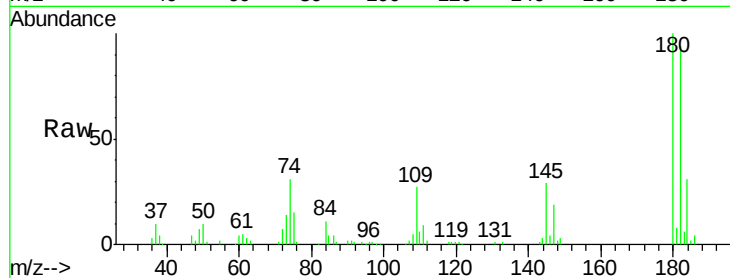




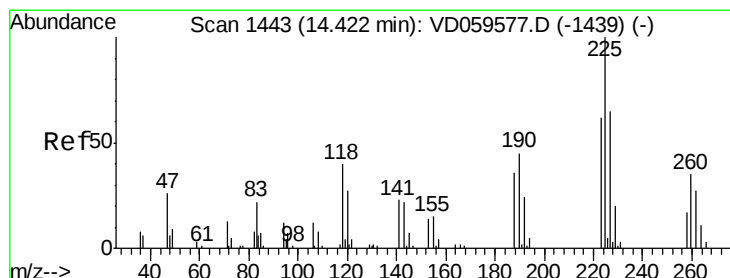
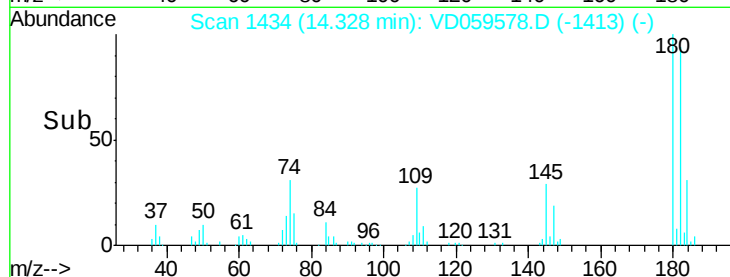
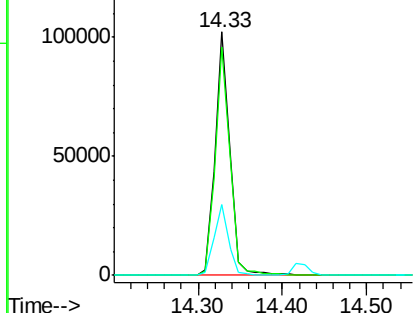
#93
 1,2,4-Trichlorobenzene
 Concen: 70.203 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 124347
 Ion Ratio Lower Upper
 180 100
 182 94.0 46.4 139.2
 145 29.0 15.7 47.0

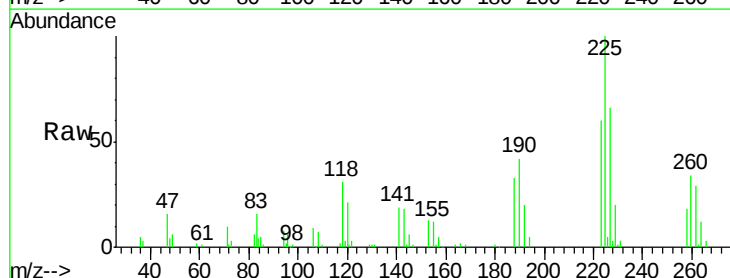


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

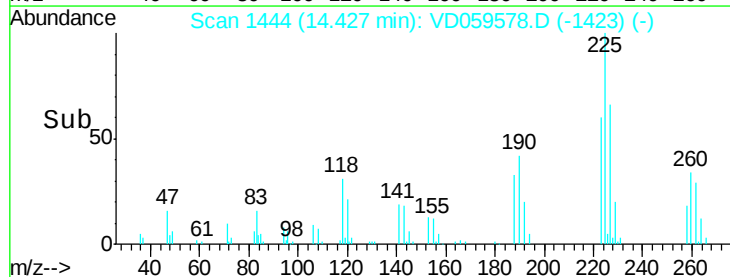
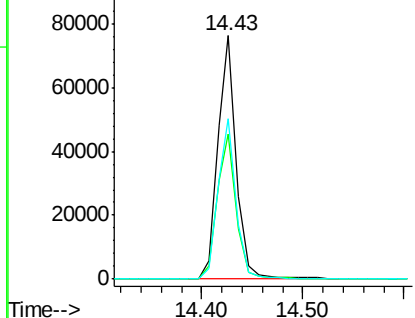


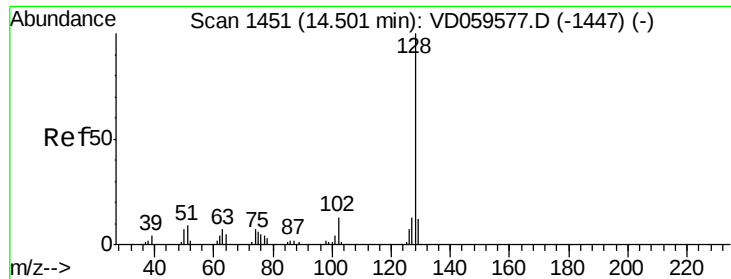
#94
 Hexachlorobutadiene
 Concen: 74.900 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059578.D
 Acq: 24 Jul 2018 18:45

Tgt Ion:225 Resp: 97435
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.1 93.5
 227 65.8 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





#95

Naphthalene

Concen: 80.780 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC075

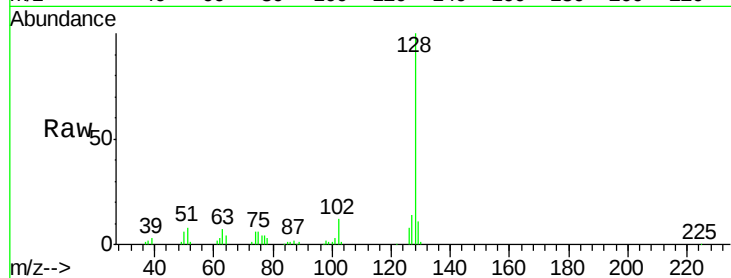
Tot Ion:128 Resp: 173347

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

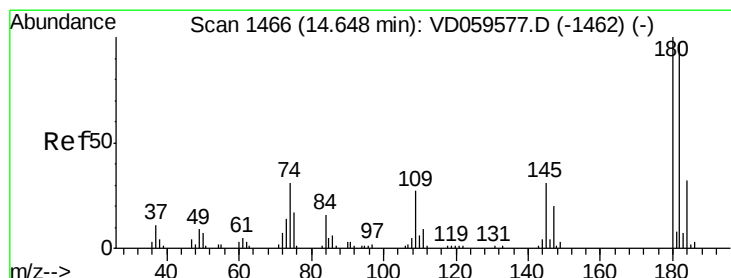
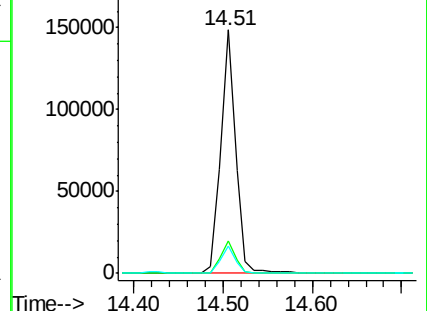
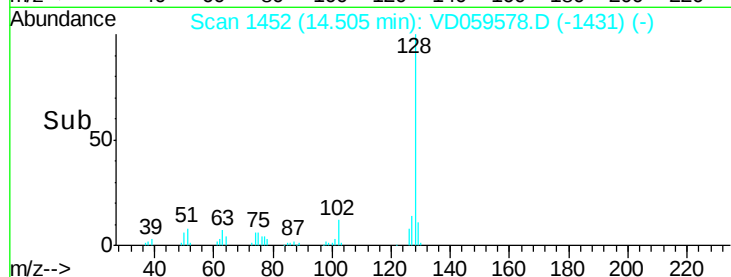
129 11.1 9.3 13.9



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 72.434 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059578.D

Acq: 24 Jul 2018 18:45

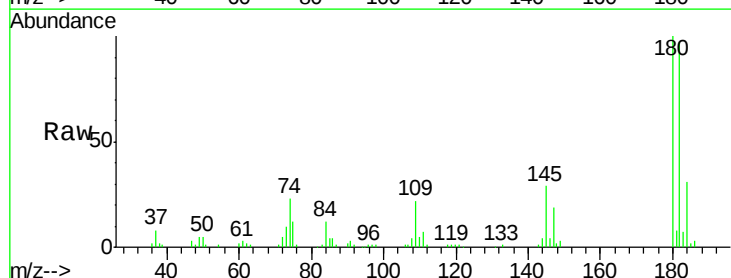
Tgt Ion:180 Resp: 114186

Ion Ratio Lower Upper

180 100

182 96.7 48.6 145.9

145 29.4 15.6 46.7



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

