

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072418\
 Data File : VD059575.D
 Acq On : 24 Jul 2018 17:17
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Jul 25 05:39:49 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	135023	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	194135	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	155955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	76970	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	18150	18.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.32%	
35) Dibromofluoromethane	5.50	113	16276	10.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.56%	
50) Toluene-d8	8.68	98	38804	11.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.62%	
62) 4-Bromofluorobenzene	11.92	95	17608	12.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.31	85	22203	20.747	ug/l	100
3) Chloromethane	1.45	50	10014	18.558	ug/l	96
4) Vinyl Chloride	1.53	62	10471	19.975	ug/l	98
5) Bromomethane	1.76	94	1682	20.548	ug/l	86
6) Chloroethane	1.83	64	4694	23.957	ug/l	98
7) Trichlorofluoromethane	2.04	101	17529	18.617	ug/l	98
8) Diethyl Ether	2.31	74	2957	18.210	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.51	101	9049	17.737	ug/l #	81
10) Methyl Iodide	2.65	142	10086	15.083	ug/l	93
11) Tert butyl alcohol	3.22	59	3653	114.282	ug/l #	80
12) 1,1-Dichloroethene	2.50	96	5972	14.778	ug/l #	76
13) Acrolein	2.44	56	1999	61.104	ug/l #	75
14) Allyl chloride	2.88	41	15326	20.634	ug/l	99
15) Acrylonitrile	3.32	53	7799	96.406	ug/l #	90
16) Acetone	2.58	43	13811	115.708	ug/l	99
17) Carbon Disulfide	2.72	76	23814	16.718	ug/l	97
18) Methyl Acetate	2.90	43	5321	14.603	ug/l	99
19) Methyl tert-butyl Ether	3.36	73	22745	16.267	ug/l #	90
20) Methylene Chloride	3.02	84	9005	15.678	ug/l	94
21) trans-1,2-Dichloroethene	3.34	96	6611	13.186	ug/l	97
22) Diisopropyl ether	4.03	45	43958	18.051	ug/l	96
23) Vinyl Acetate	3.97	43	144748	115.481	ug/l	99
24) 1,1-Dichloroethane	3.93	63	27290	16.793	ug/l #	91
25) 2-Butanone	4.80	43	22587	96.108	ug/l	97
26) 2,2-Dichloropropane	4.76	77	27535	25.246	ug/l	93
27) cis-1,2-Dichloroethene	4.76	96	14957	14.855	ug/l	96
28) Bromochloromethane	5.10	49	9784	16.581	ug/l #	81
29) Tetrahydrofuran	5.15	42	10572	90.928	ug/l	97
30) Chloroform	5.28	83	32819	17.578	ug/l	97
31) Cyclohexane	5.54	56	23392	20.850	ug/l	94
32) 1,1,1-Trichloroethane	5.47	97	30075	18.020	ug/l	98
36) 1,1-Dichloropropene	5.71	75	21975	13.572	ug/l	95
37) Ethyl Acetate	4.88	43	10277	14.381	ug/l #	90
38) Carbon Tetrachloride	5.68	117	28895	14.337	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072418\
 Data File : VD059575.D
 Acq On : 24 Jul 2018 17:17
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Quant Time: Jul 25 05:39:49 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)
39) Methylcyclohexane	7.25	83	20359	12.971	ug/l	97
40) Benzene	5.98	78	43807	11.658	ug/l	99
41) Methacrylonitrile	5.08	41	5078	14.162	ug/l	87
42) 1,2-Dichloroethane	6.09	62	24939	15.476	ug/l	95
43) Isopropyl Acetate	7.59	43	14571	14.764	ug/l	98
44) Trichloroethene	6.95	130	16469	9.992	ug/l	92
45) 1,2-Dichloropropane	7.31	63	12360	12.944	ug/l	90
46) Dibromomethane	7.42	93	9955	13.301	ug/l	97
47) Bromodichloromethane	7.71	83	24575	13.986	ug/l	96
48) Methyl methacrylate	7.47	41	9293	14.060	ug/l	98
49) 1,4-Dioxane	7.46	88	1631	232.146	ug/l	89
51) 4-Methyl-2-Pentanone	8.56	43	51714	78.080	ug/l	99
52) Toluene	8.77	92	30956	12.818	ug/l	91
53) t-1,3-Dichloropropene	9.15	75	24834	17.696	ug/l	97
54) cis-1,3-Dichloropropene	8.33	75	22203	14.391	ug/l	93
55) 1,1,2-Trichloroethane	9.43	97	11121	12.755	ug/l	96
56) Ethyl methacrylate	9.29	69	11500	12.136	ug/l	91
57) 1,3-Dichloropropane	9.64	76	16904	12.491	ug/l	93
58) 2-Chloroethyl Vinyl ether	8.16	63	28054	65.299	ug/l	97
59) 2-Hexanone	9.75	43	38370	80.707	ug/l	91
60) Dibromochloromethane	9.93	129	17192	10.988	ug/l	98
61) 1,2-Dibromoethane	10.07	107	12212	11.903	ug/l	96
64) Tetrachloroethene	9.49	164	15323	7.326	ug/l	95
65) Chlorobenzene	10.70	112	36071	11.744	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.83	131	15386	11.758	ug/l	97
67) Ethyl Benzene	10.84	91	62784	13.663	ug/l	99
68) m/p-Xylenes	10.99	106	42258	25.201	ug/l	88
69) o-Xylene	11.39	106	20695	12.685	ug/l	100
70) Styrene	11.42	104	34039	12.626	ug/l	93
71) Bromoform	11.58	173	11158	9.244	ug/l #	95
73) Isopropylbenzene	11.76	105	61126	14.820	ug/l	97
74) N-amyl acetate	11.63	43	20740	18.804	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.06	83	11964	14.395	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	14079	16.435	ug/l	95
77) Bromobenzene	12.03	156	17788	11.040	ug/l	82
78) n-propylbenzene	12.13	91	75904	15.902	ug/l	97
79) 2-Chlorotoluene	12.20	91	44344	15.609	ug/l	94
80) 1,3,5-Trimethylbenzene	12.30	105	49985	15.666	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.83	75	3752	20.034	ug/l	97
82) 4-Chlorotoluene	12.31	91	53969	17.082	ug/l	97
83) tert-Butylbenzene	12.56	119	54453	15.582	ug/l	97
84) 1,2,4-Trimethylbenzene	12.62	105	49941	15.074	ug/l	95
85) sec-Butylbenzene	12.74	105	62123	15.748	ug/l	99
86) p-Isopropyltoluene	12.87	119	53041	14.694	ug/l	99
87) 1,3-Dichlorobenzene	12.82	146	31045	11.901	ug/l	97
88) 1,4-Dichlorobenzene	12.91	146	28075	10.982	ug/l	98
89) n-Butylbenzene	13.19	91	54542	18.081	ug/l	97
90) Hexachloroethane	13.38	117	13412	13.874	ug/l	81
91) 1,2-Dichlorobenzene	13.18	146	27300	12.654	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.76	75	2281	16.365	ug/l	81

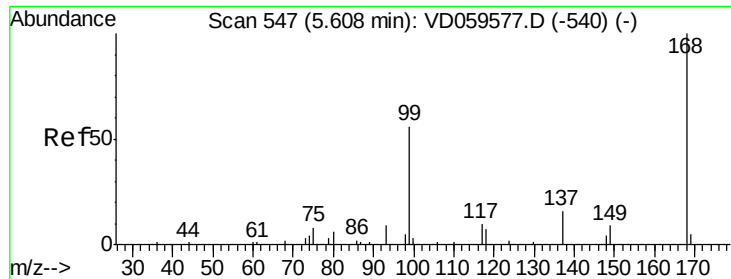
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD072418\
Data File : VD059575.D
Acq On : 24 Jul 2018 17:17
Operator : VA/AP
Sample : VSTDICC010
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC010

Quant Time: Jul 25 05:39:49 2018
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.33	180	21249	11.336	ug/l	92
94) Hexachlorobutadiene	14.43	225	16836	12.229	ug/l	95
95) Naphthalene	14.51	128	29240	12.875	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	18894	11.325	ug/l	93

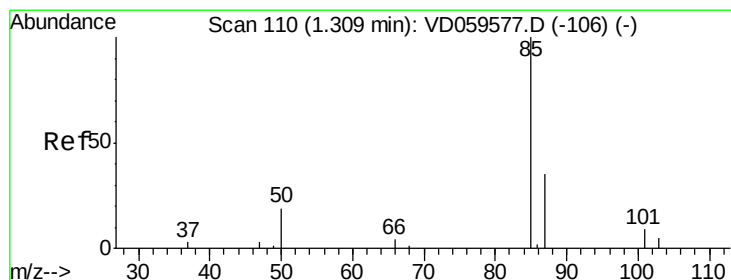
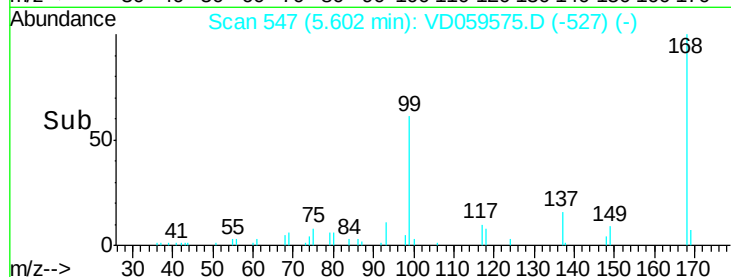
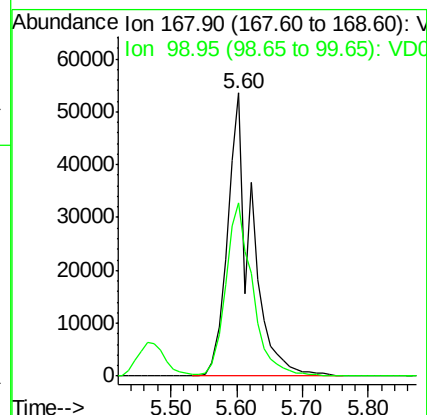
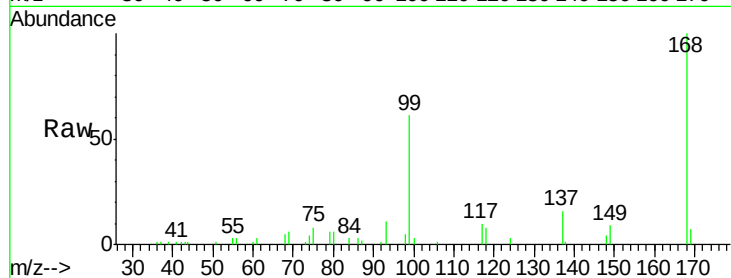
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.60 min Scan# 547
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

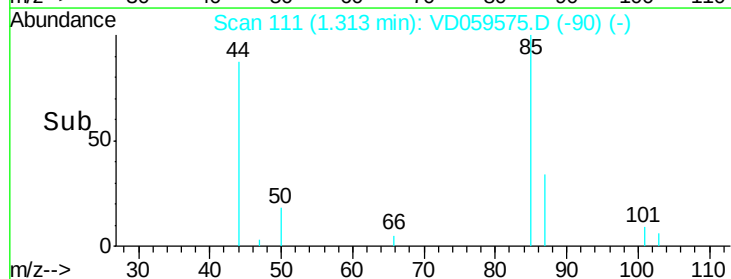
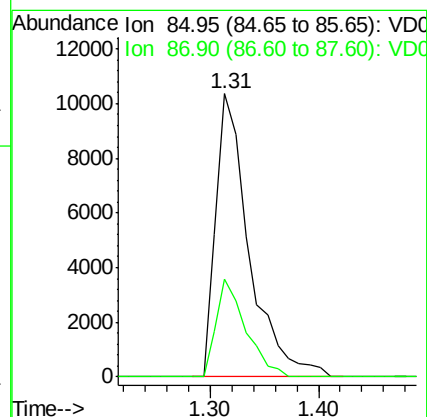
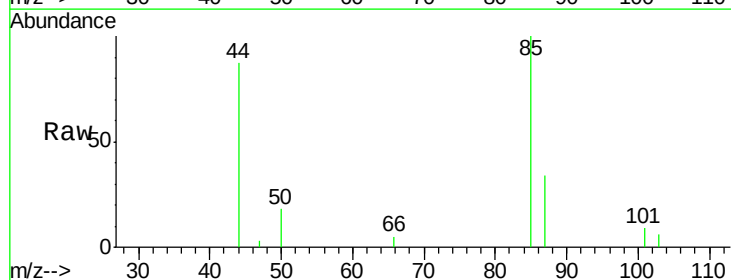
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

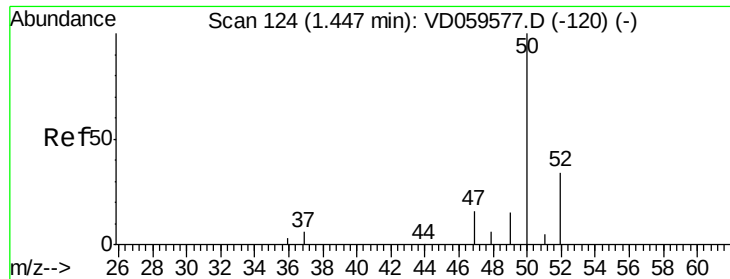
Tgt Ion:168 Resp: 135023
Ion Ratio Lower Upper
168 100
99 61.1 47.3 70.9



#2
Dichlorodifluoromethane
Concen: 20.747 ug/l
RT: 1.31 min Scan# 111
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion: 85 Resp: 22203
Ion Ratio Lower Upper
85 100
87 34.4 17.3 51.7





#3

Chloromethane

Concen: 18.558 ug/l

RT: 1.45 min Scan# 125

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

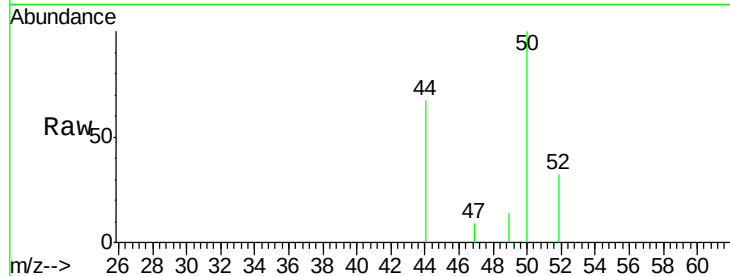
VSTDIC010

Tgt Ion: 50 Resp: 10014

Ion Ratio Lower Upper

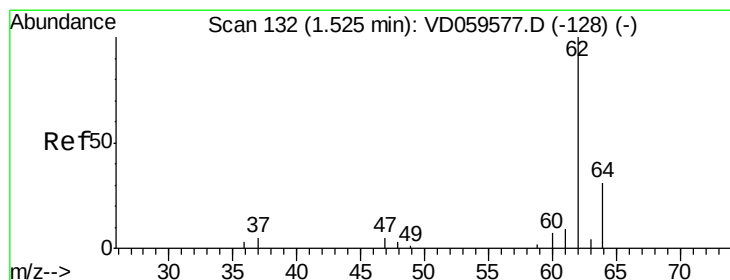
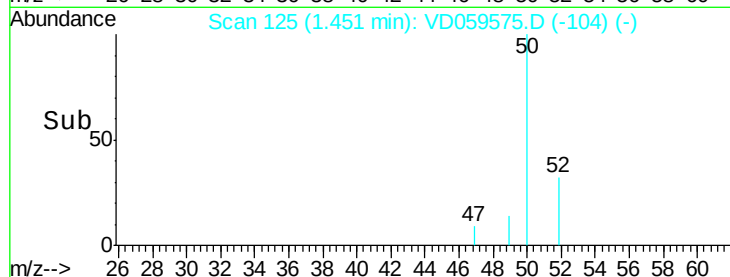
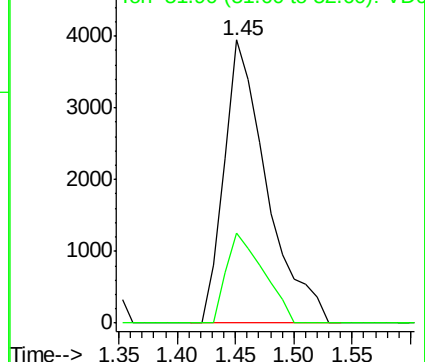
50 100

52 32.0 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: 19.975 ug/l

RT: 1.53 min Scan# 133

Delta R.T. 0.00 min

Lab File: VD059575.D

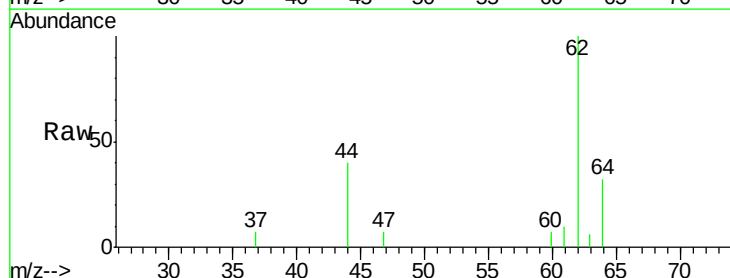
Acq: 24 Jul 2018 17:17

Tgt Ion: 62 Resp: 10471

Ion Ratio Lower Upper

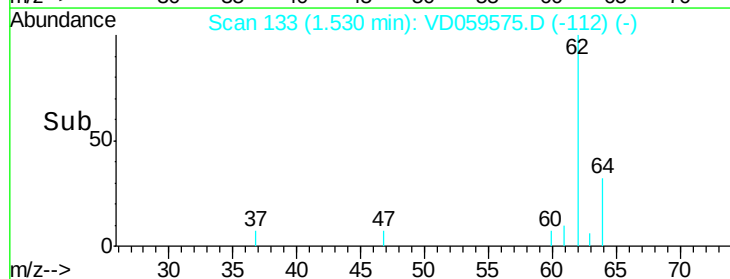
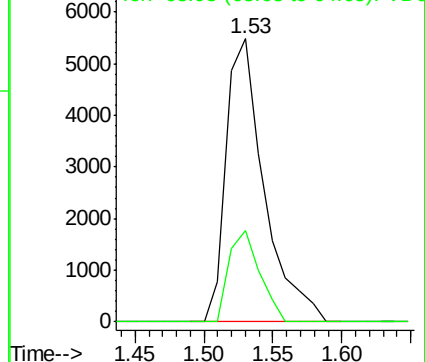
62 100

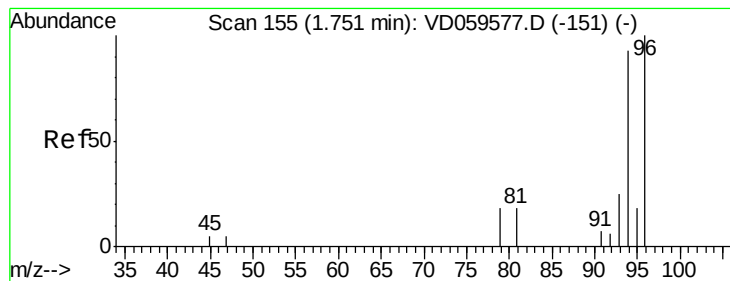
64 32.5 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 20.548 ug/l

RT: 1.76 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

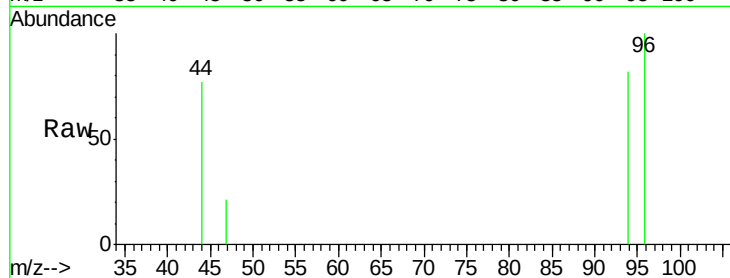
VSTDIC010

Tgt Ion: 94 Resp: 1682

Ion Ratio Lower Upper

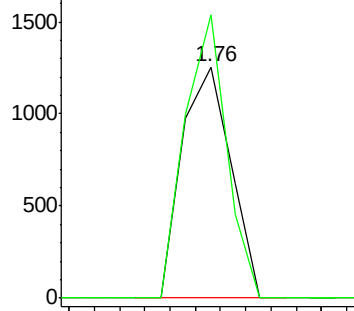
94 100

96 122.6 86.2 129.2

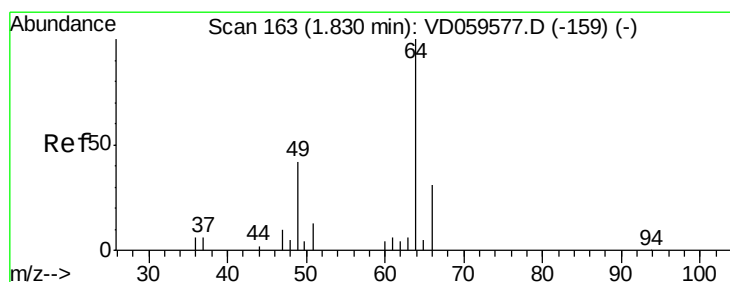
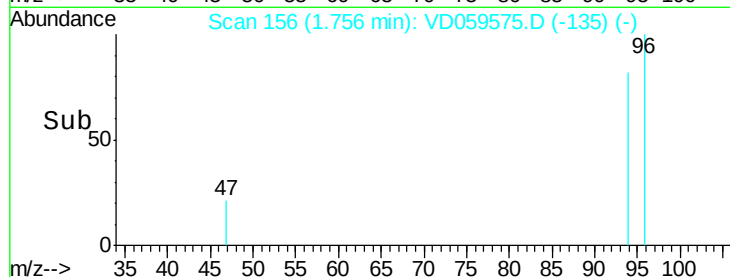


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time--> 1.70 1.75 1.80



#6

Chloroethane

Concen: 23.957 ug/l

RT: 1.83 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD059575.D

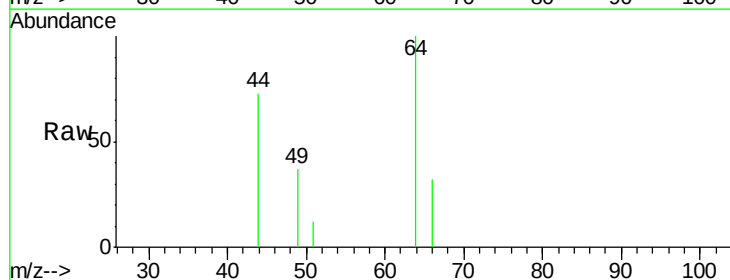
Acq: 24 Jul 2018 17:17

Tgt Ion: 64 Resp: 4694

Ion Ratio Lower Upper

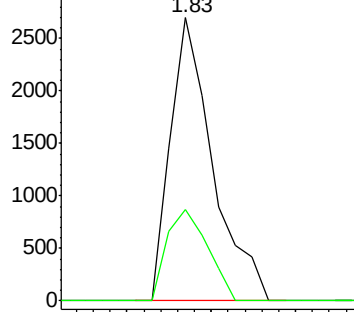
64 100

66 32.4 25.2 37.8

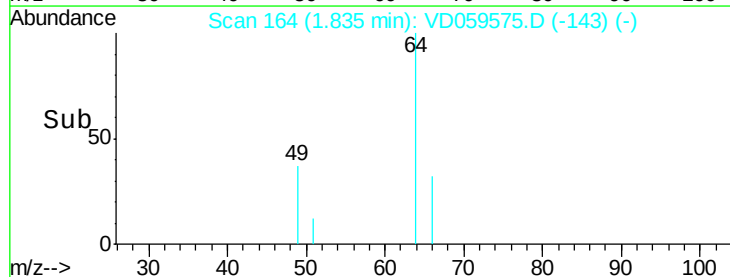


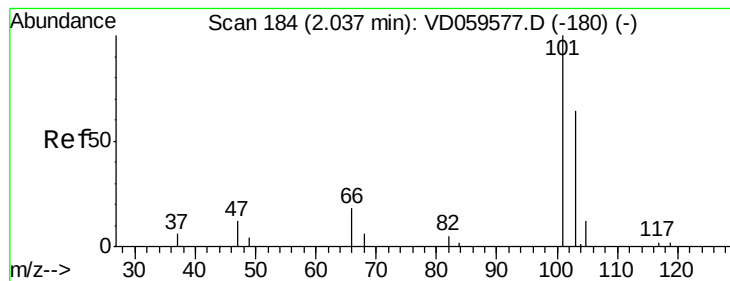
Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time--> 1.80 1.85 1.90



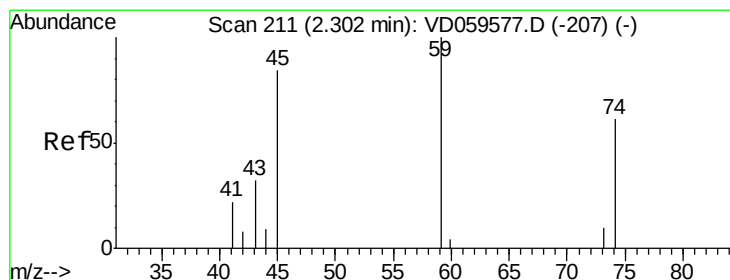
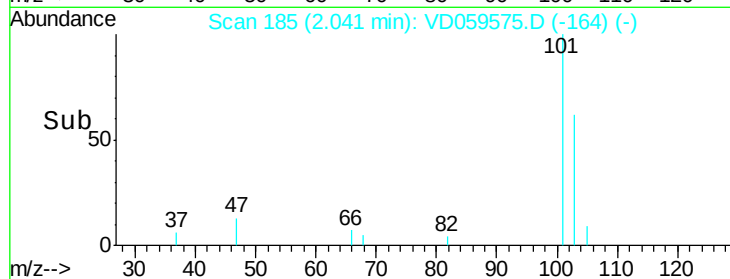
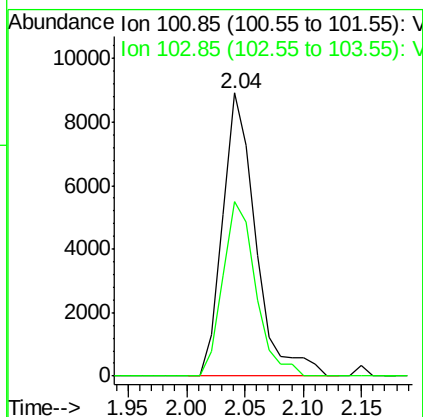
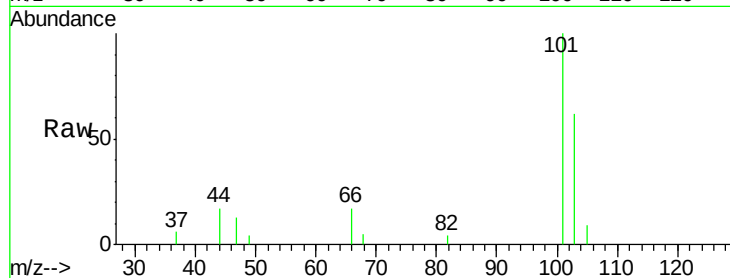


#7

Trichlorofluoromethane
 Concen: 18.617 ug/l
 RT: 2.04 min Scan# 185
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

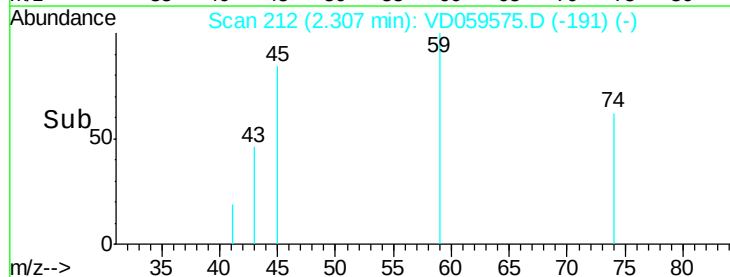
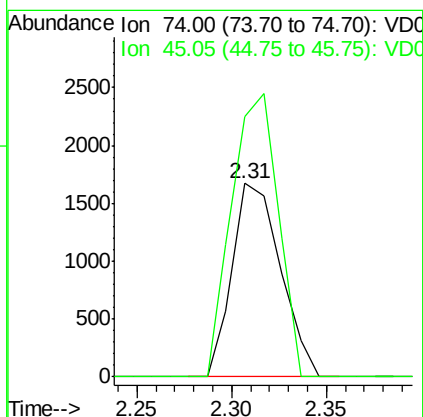
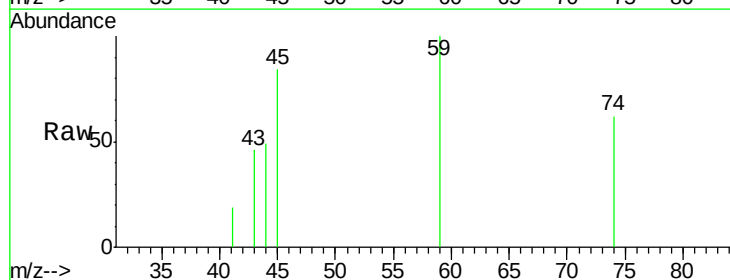
Tgt Ion:101 Resp: 17529
 Ion Ratio Lower Upper
 101 100
 103 61.8 50.9 76.3

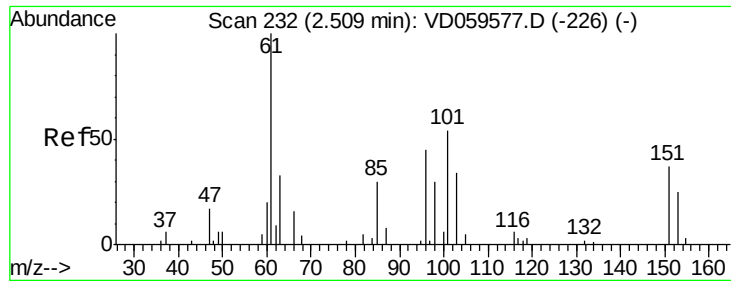


#8

Diethyl Ether
 Concen: 18.210 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 74 Resp: 2957
 Ion Ratio Lower Upper
 74 100
 45 134.2 69.0 207.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.737 ug/l

RT: 2.51 min Scan# 233

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

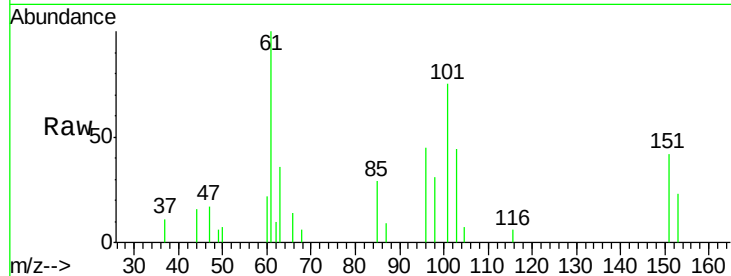
Tgt Ion:101 Resp: 9049

Ion Ratio Lower Upper

101 100

85 39.0 44.5 66.7#

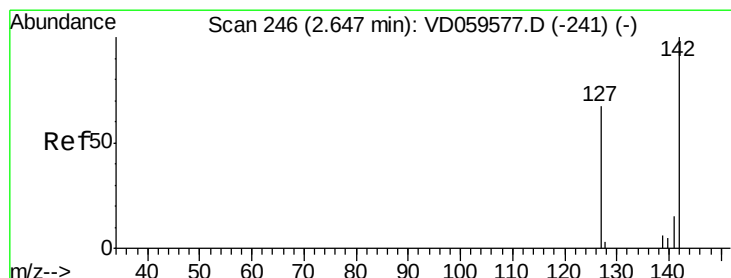
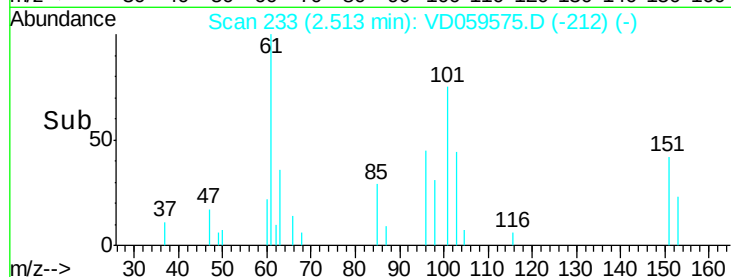
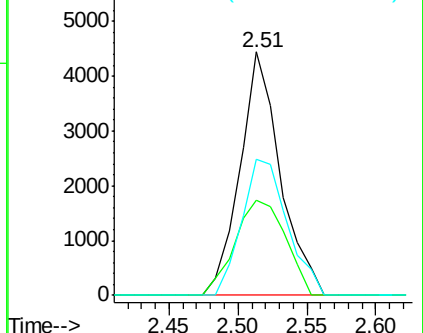
151 56.0 55.4 83.0



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: 15.083 ug/l

RT: 2.65 min Scan# 247

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

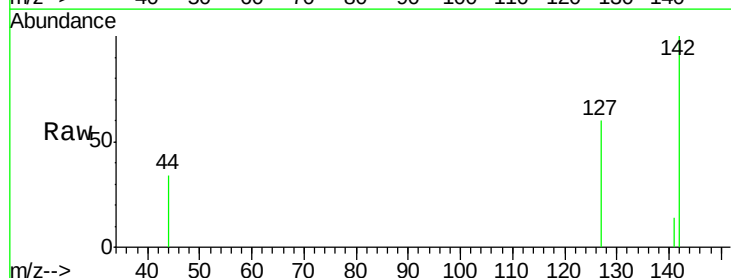
Tgt Ion:142 Resp: 10086

Ion Ratio Lower Upper

142 100

127 60.1 53.6 80.4

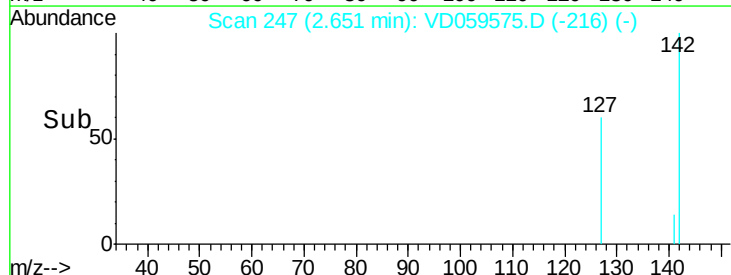
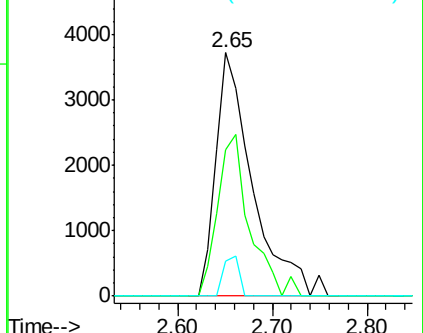
141 14.1 12.2 18.2

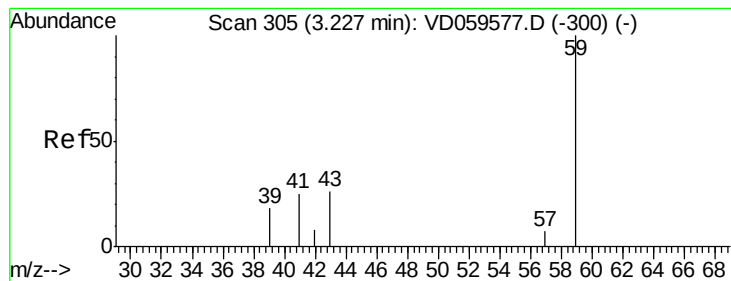


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



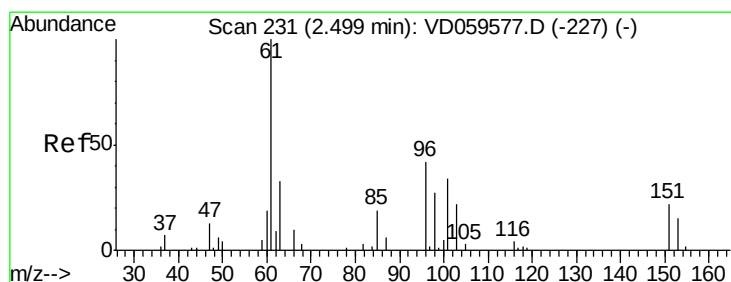
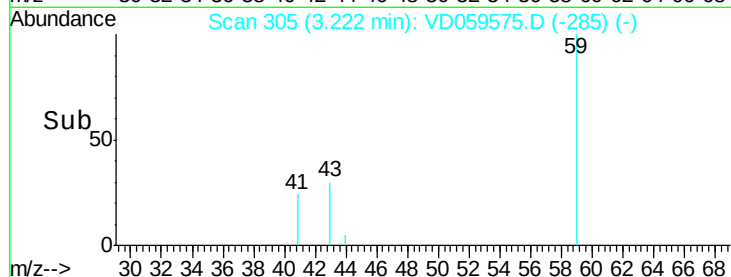
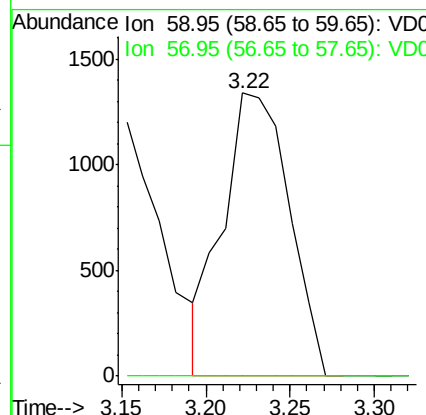
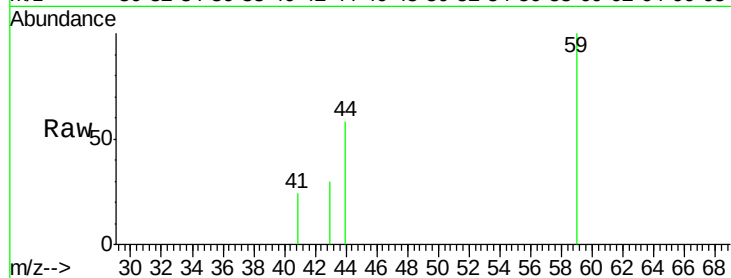


#11

Tert butyl alcohol
 Concen: 114.282 ug/l
 RT: 3.22 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

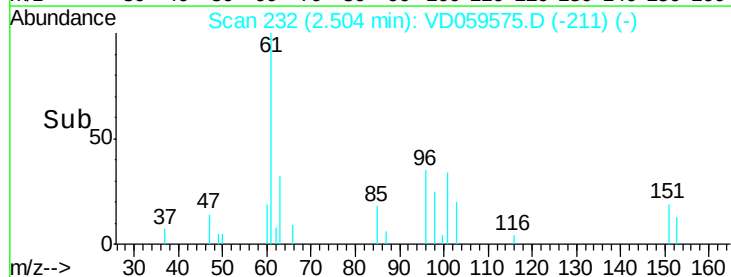
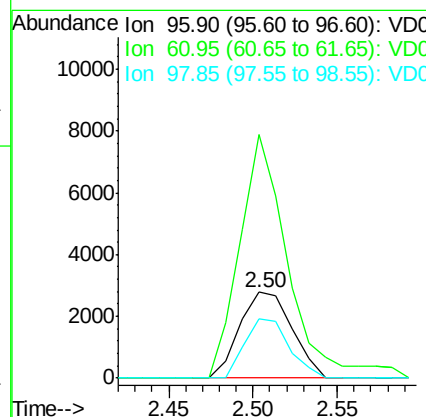
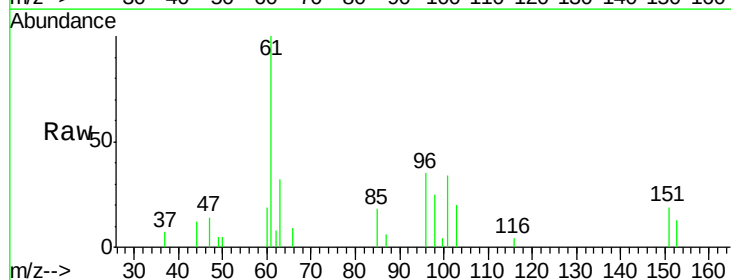
Tgt Ion: 59 Resp: 3653
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.5 8.3#

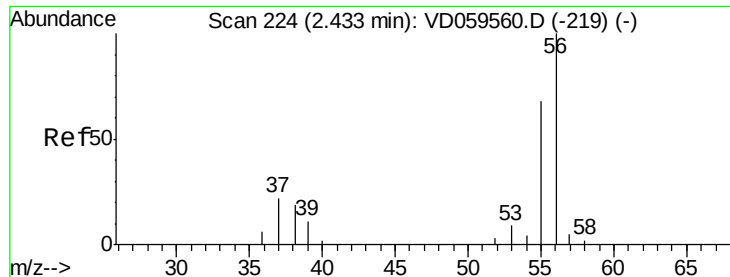


#12

1,1-Dichloroethene
 Concen: 14.778 ug/l
 RT: 2.50 min Scan# 232
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 96 Resp: 5972
 Ion Ratio Lower Upper
 96 100
 61 284.6 188.8 283.2#
 98 70.0 51.4 77.2





#13

Acrolein

Concen: 61.104 ug/l

RT: 2.44 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

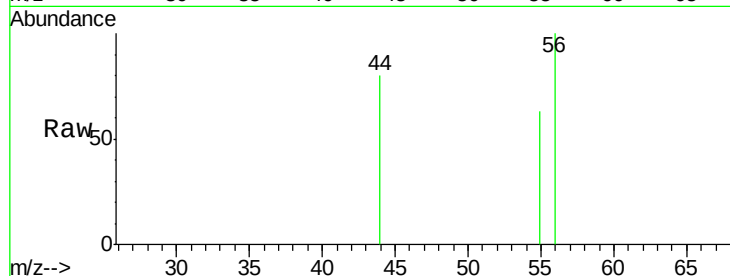
VSTDIC010

Tgt Ion: 56 Resp: 1999

Ion Ratio Lower Upper

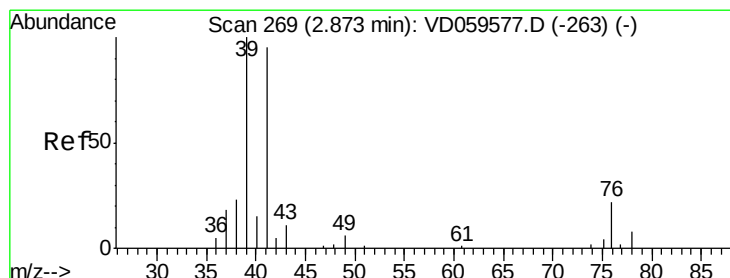
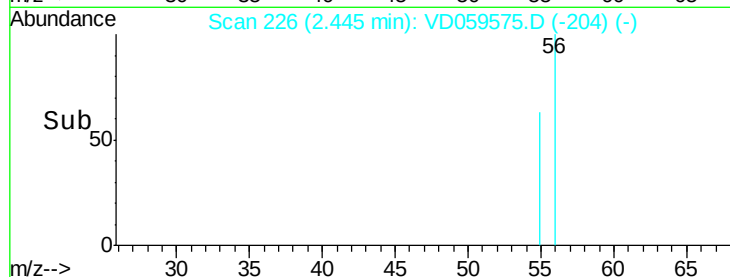
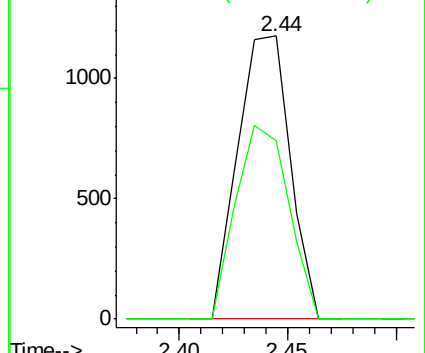
56 100

55 63.2 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: 20.634 ug/l

RT: 2.88 min Scan# 270

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

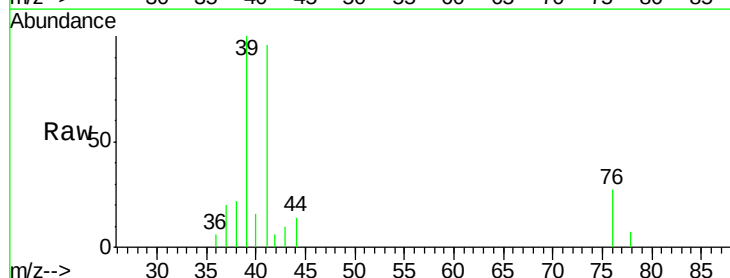
Tgt Ion: 41 Resp: 15326

Ion Ratio Lower Upper

41 100

39 104.1 83.8 125.8

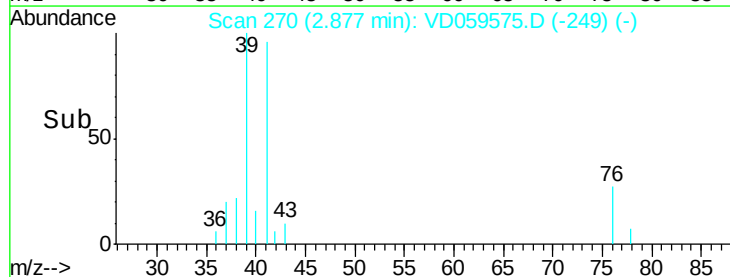
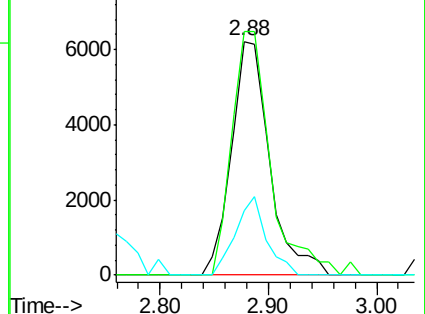
76 27.8 22.2 33.4

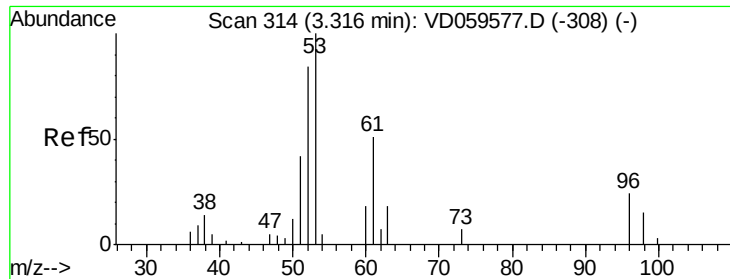


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 96.406 ug/l

RT: 3.32 min Scan# 315

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

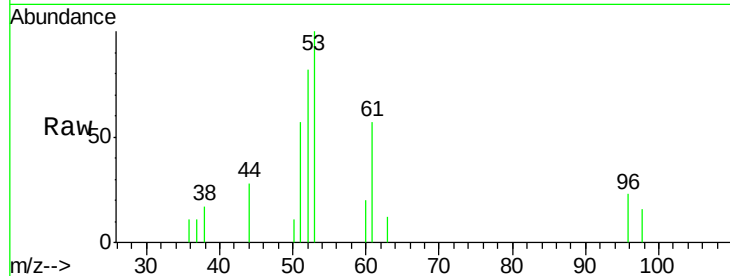
Tgt Ion: 53 Resp: 7799

Ion Ratio Lower Upper

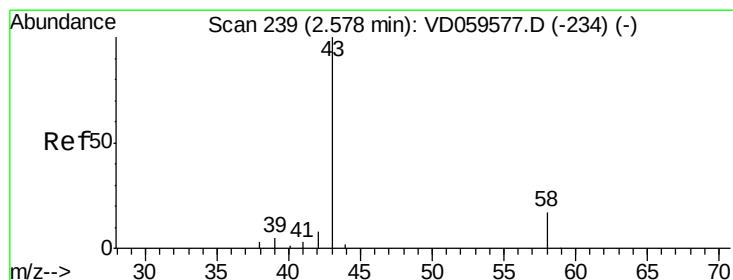
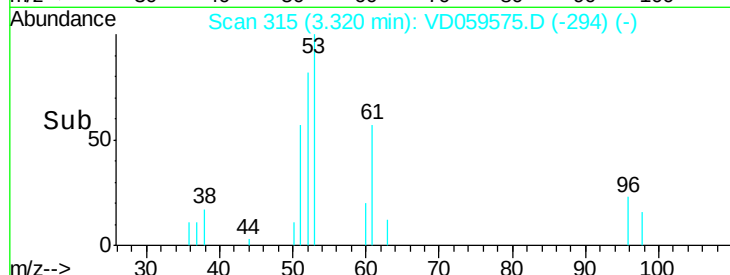
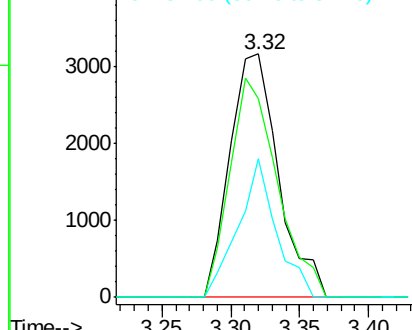
53 100

52 81.9 67.6 101.4

51 56.7 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: 115.708 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.00 min

Lab File: VD059575.D

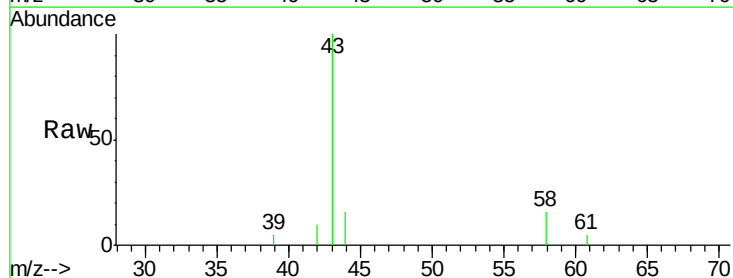
Acq: 24 Jul 2018 17:17

Tgt Ion: 43 Resp: 13811

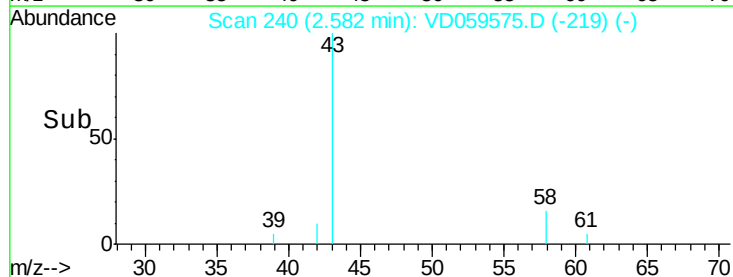
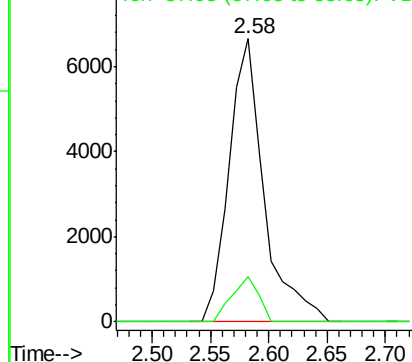
Ion Ratio Lower Upper

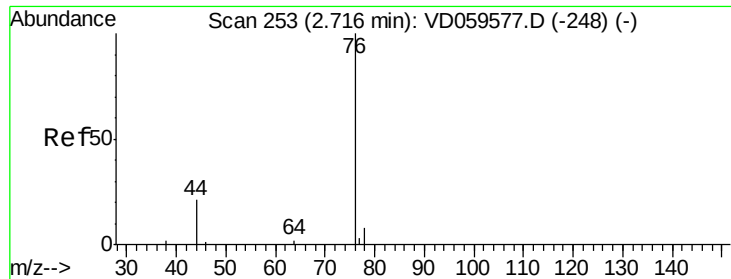
43 100

58 16.2 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: 16.718 ug/l

RT: 2.72 min Scan# 254

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

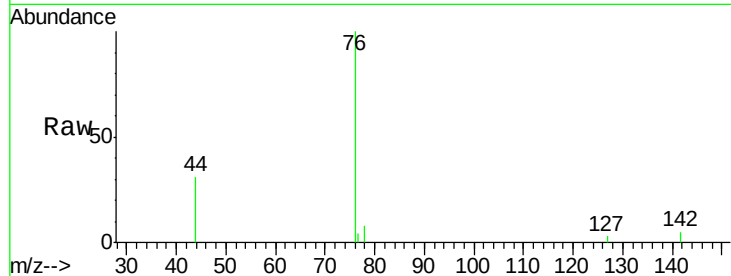
VSTDIC010

Tgt Ion: 76 Resp: 23814

Ion Ratio Lower Upper

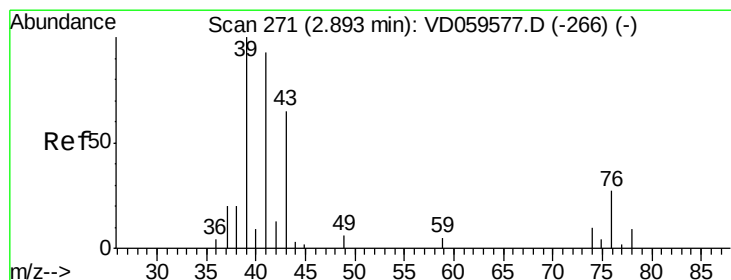
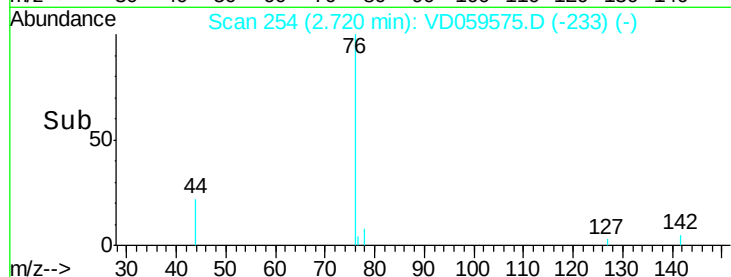
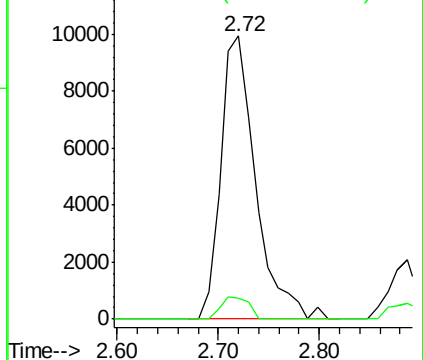
76 100

78 7.5 6.8 10.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 14.603 ug/l

RT: 2.90 min Scan# 272

Delta R.T. 0.00 min

Lab File: VD059575.D

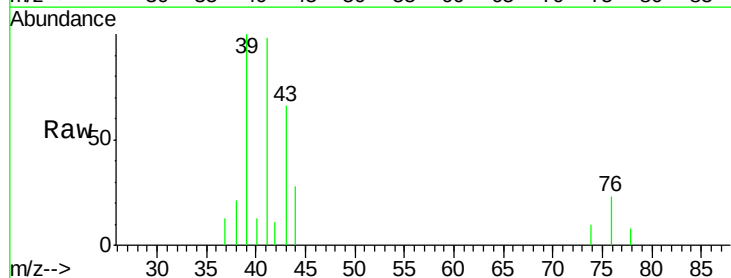
Acq: 24 Jul 2018 17:17

Tgt Ion: 43 Resp: 5321

Ion Ratio Lower Upper

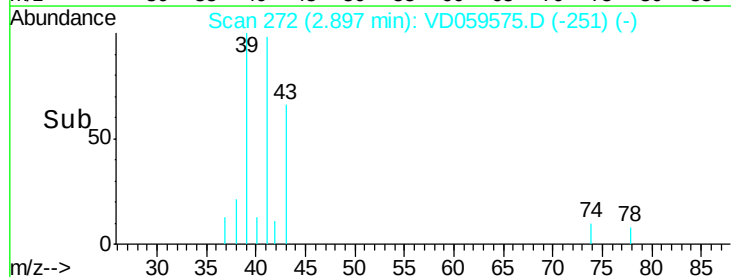
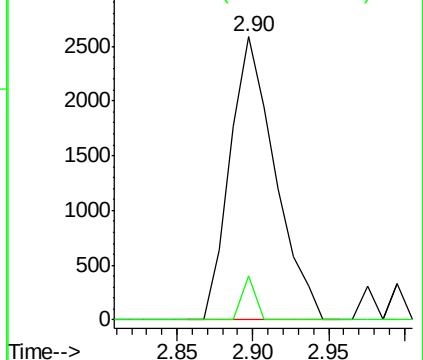
43 100

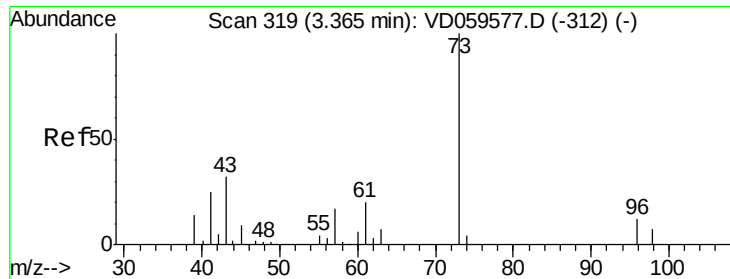
74 15.7 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

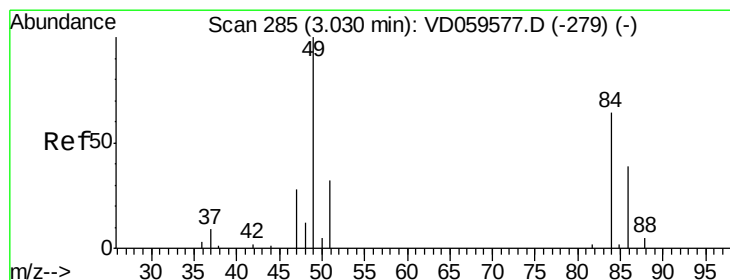
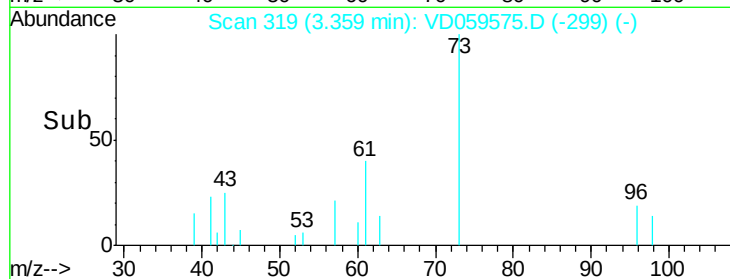
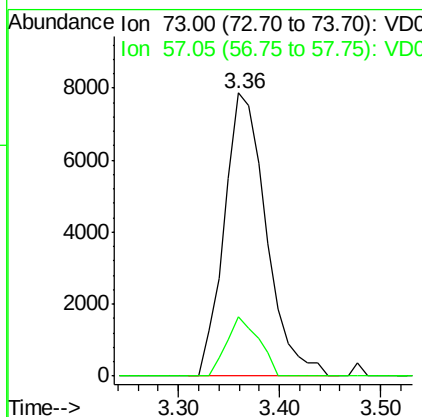
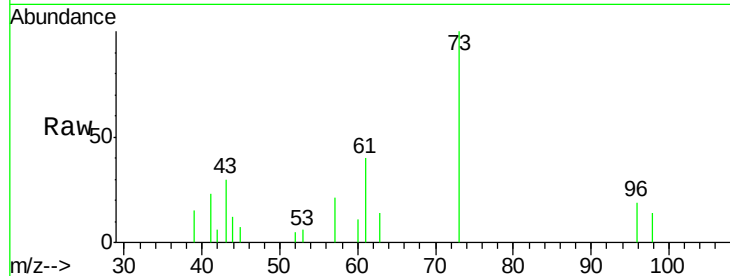




#19
Methyl tert-butyl Ether
Concen: 16.267 ug/l
RT: 3.36 min Scan# 319
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

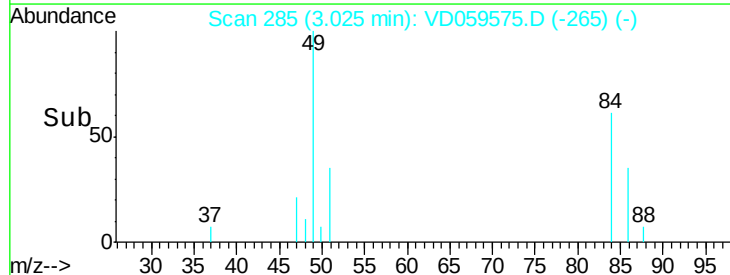
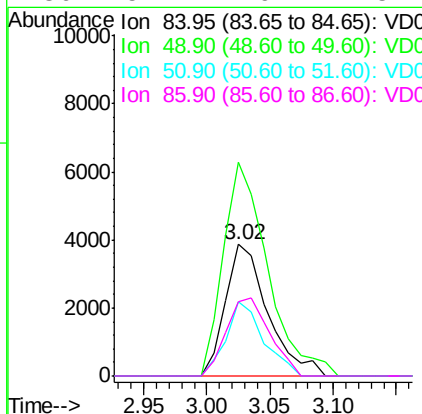
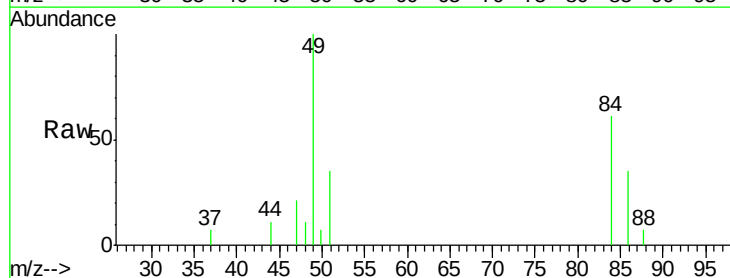
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

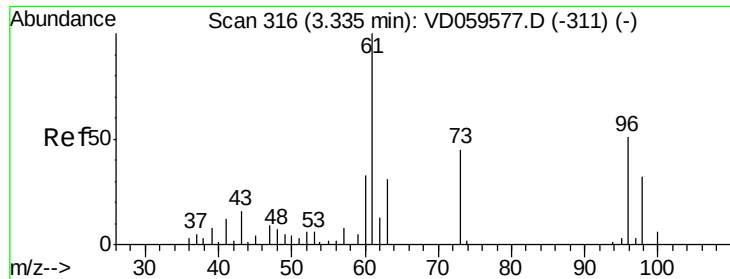
Tgt Ion: 73 Resp: 22745
Ion Ratio Lower Upper
73 100
57 21.0 13.4 20.2#



#20
Methylene Chloride
Concen: 15.678 ug/l
RT: 3.02 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion: 84 Resp: 9005
Ion Ratio Lower Upper
84 100
49 162.8 125.4 188.2
51 56.7 39.7 59.5
86 57.1 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 13.186 ug/l

RT: 3.34 min Scan# 317

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

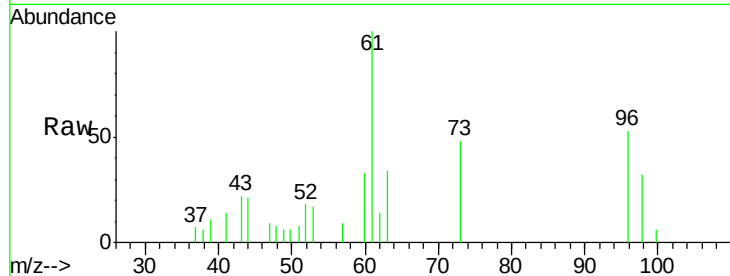
Tgt Ion: 96 Resp: 6611

Ion Ratio Lower Upper

96 100

61 190.0 155.8 233.6

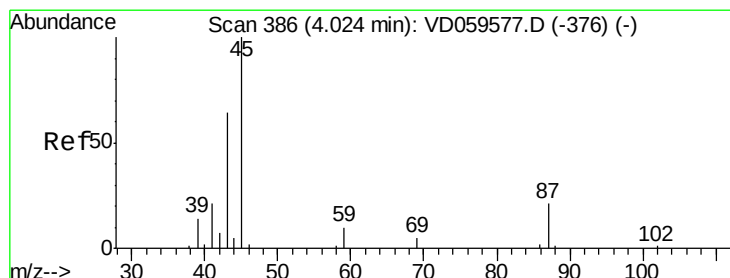
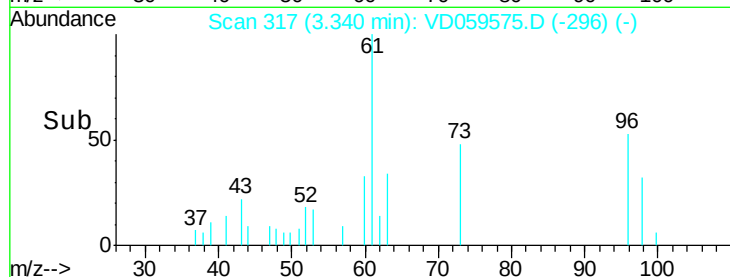
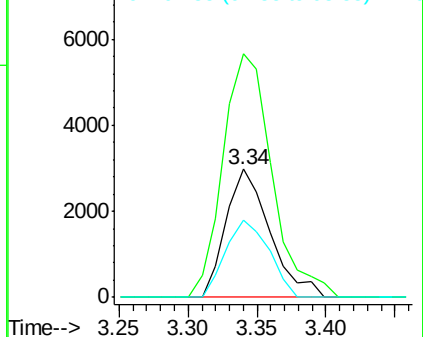
98 60.2 49.1 73.7



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: 18.051 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Tgt Ion: 45 Resp: 43958

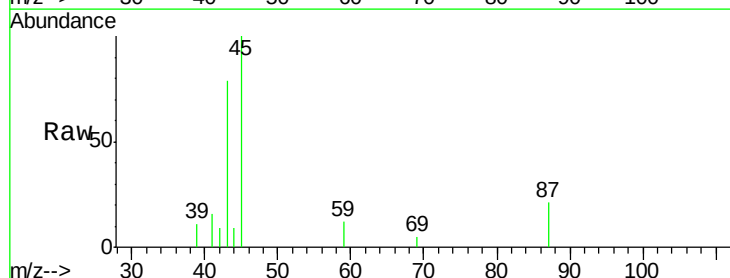
Ion Ratio Lower Upper

45 100

43 78.9 59.4 89.2

87 21.3 16.7 25.1

59 11.9 8.2 12.4

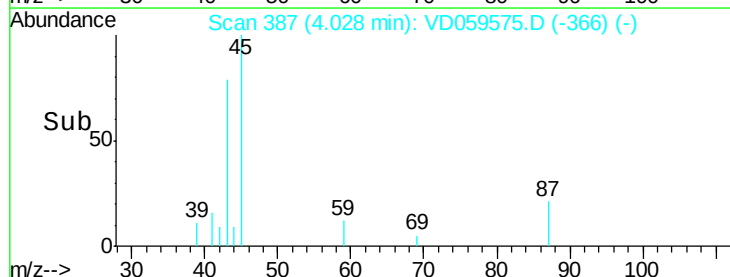
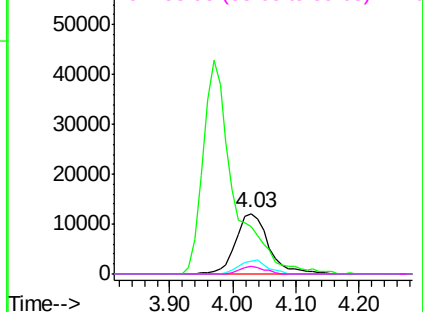


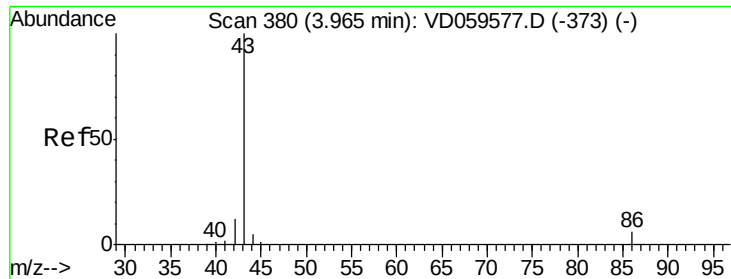
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 115.481 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

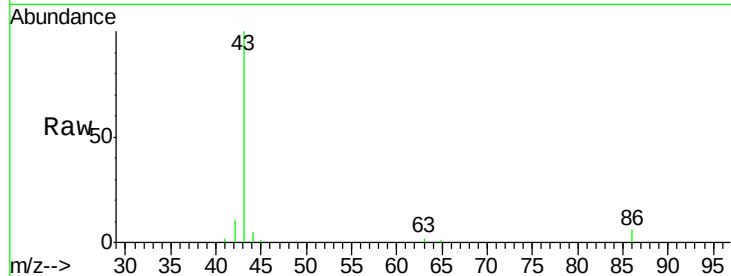
VSTDIC010

Tgt Ion: 43 Resp: 144748

Ion Ratio Lower Upper

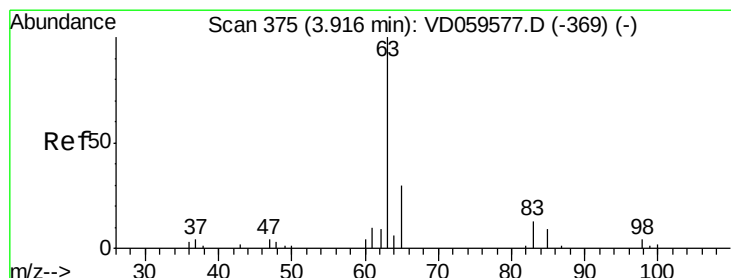
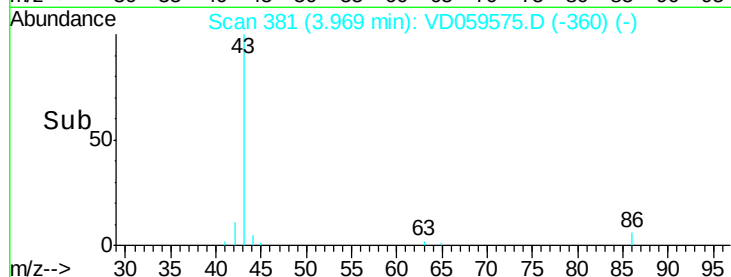
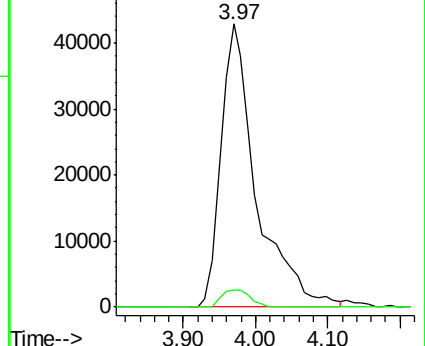
43 100

86 6.1 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 16.793 ug/l

RT: 3.93 min Scan# 377

Delta R.T. 0.01 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

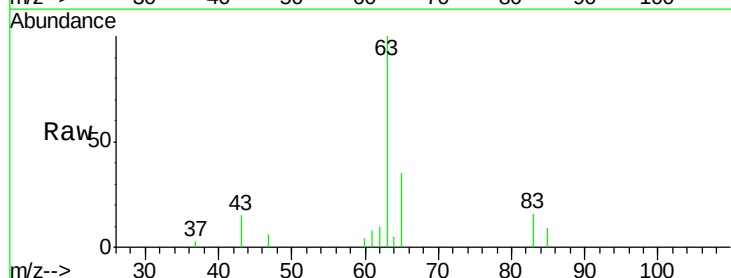
Tgt Ion: 63 Resp: 27290

Ion Ratio Lower Upper

63 100

98 0.0 1.8 5.5#

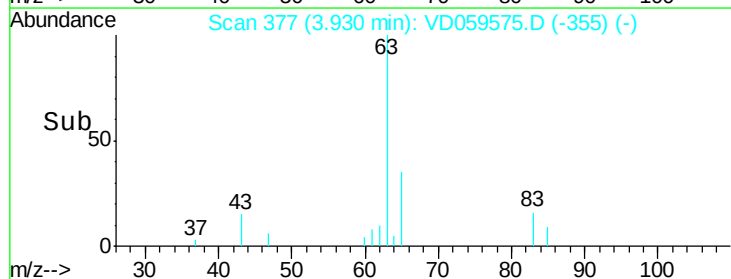
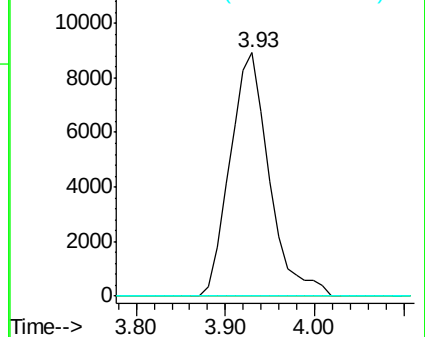
100 0.0 1.1 3.3#

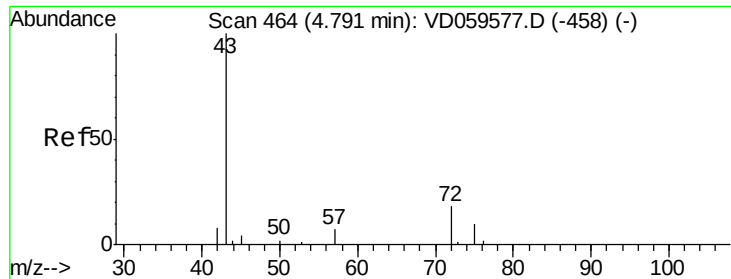


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 96.108 ug/l

RT: 4.80 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

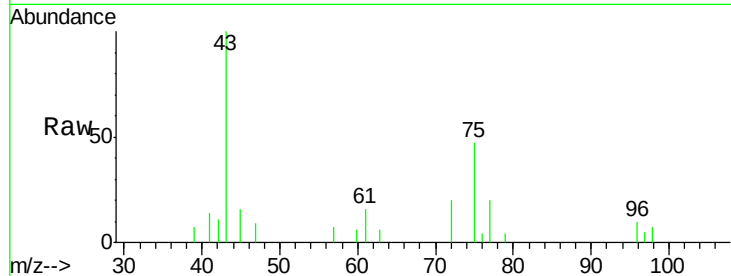
VSTDIC010

Tgt Ion: 43 Resp: 22587

Ion Ratio Lower Upper

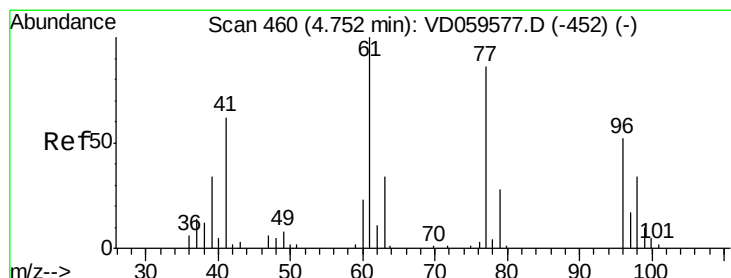
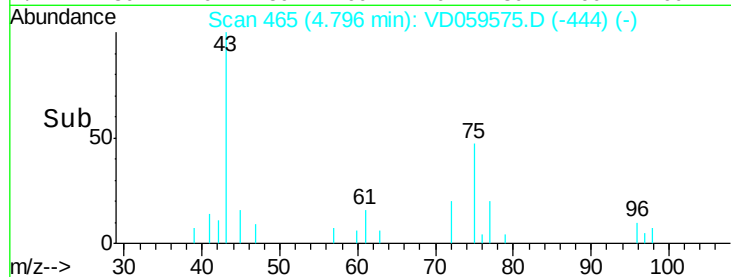
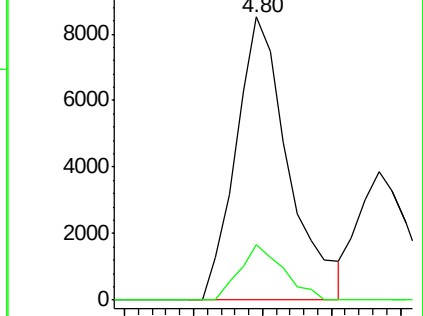
43 100

72 19.7 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: 25.246 ug/l

RT: 4.76 min Scan# 461

Delta R.T. 0.00 min

Lab File: VD059575.D

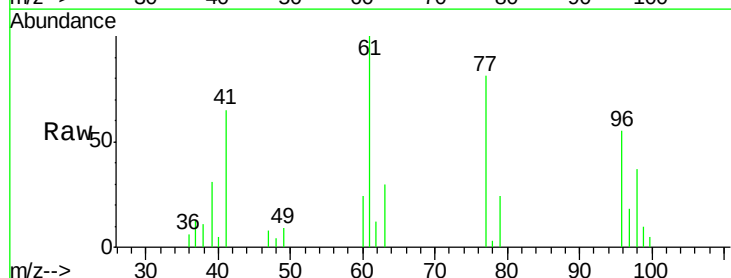
Acq: 24 Jul 2018 17:17

Tgt Ion: 77 Resp: 27535

Ion Ratio Lower Upper

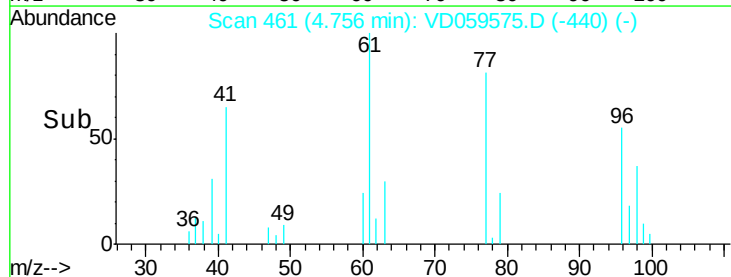
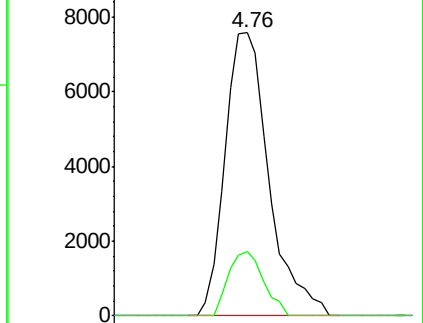
77 100

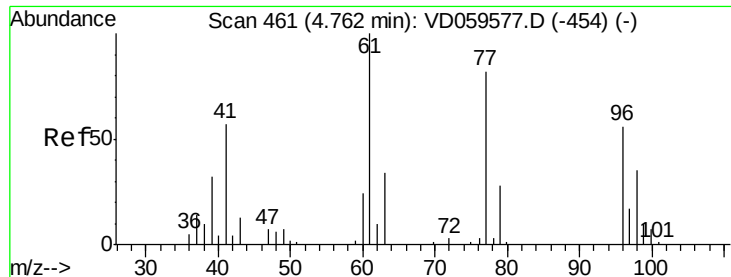
97 22.6 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



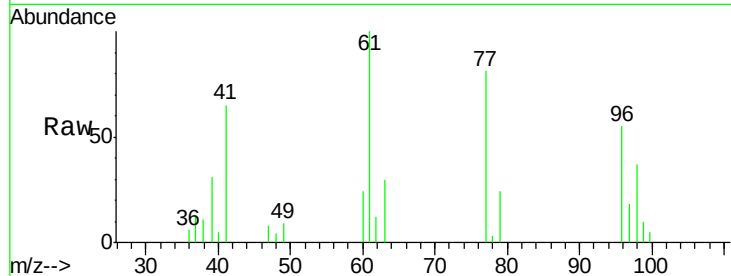


#27

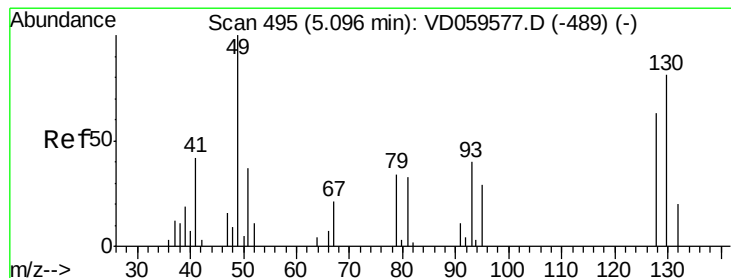
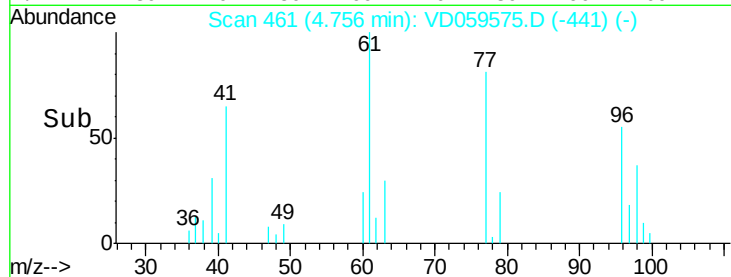
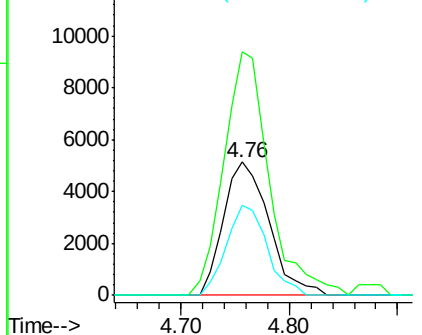
cis-1,2-Dichloroethene
 Concen: 14.855 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 14957
 Ion Ratio Lower Upper
 96 100
 61 182.4 0.0 355.0
 98 67.8 0.0 125.8



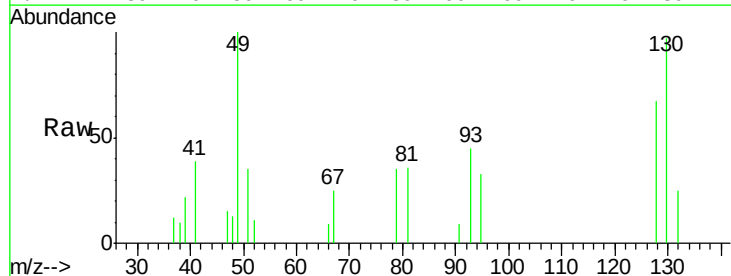
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



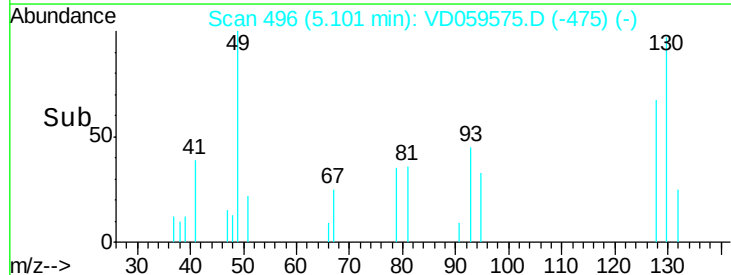
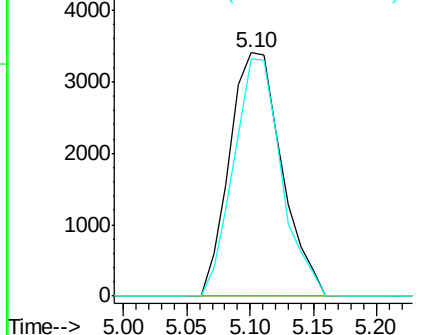
#28

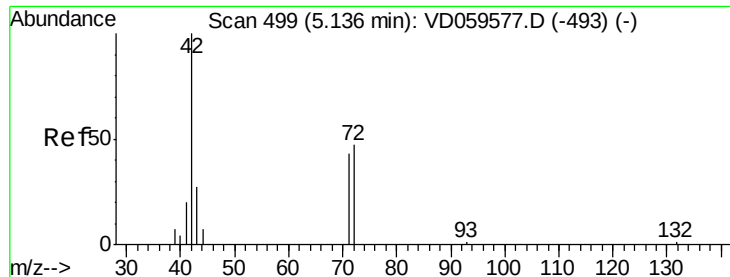
Bromochloromethane
 Concen: 16.581 ug/l
 RT: 5.10 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 49 Resp: 9784
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 97.2 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: 90.928 ug/l

RT: 5.15 min Scan# 501

Delta R.T. 0.01 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

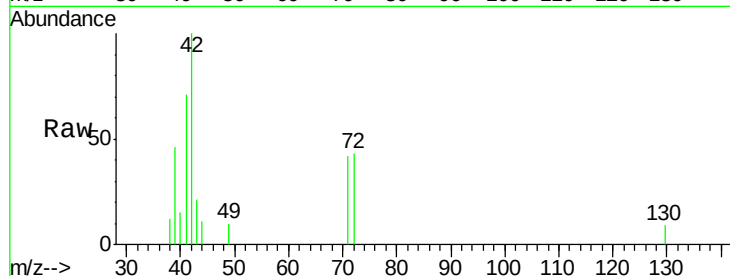
Tgt Ion: 42 Resp: 10572

Ion Ratio Lower Upper

42 100

72 41.6 35.0 52.4

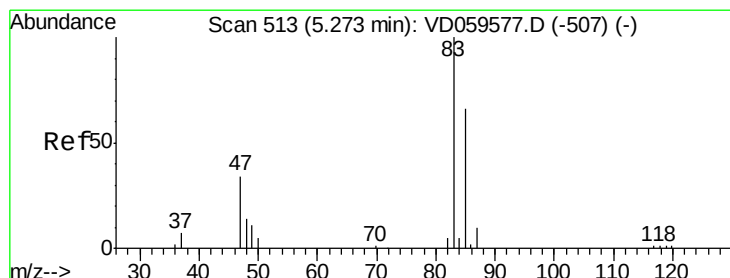
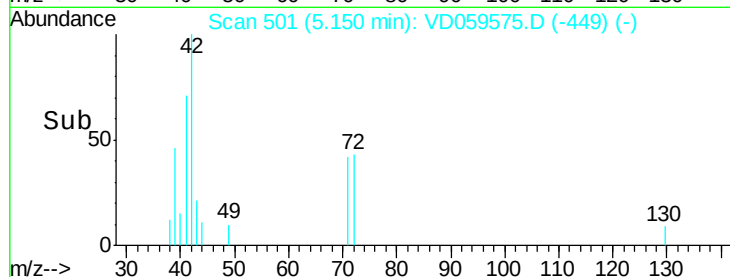
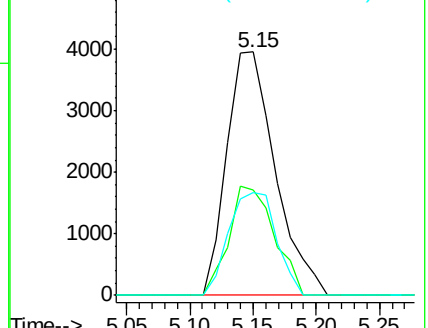
71 41.1 34.2 51.2



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: 17.578 ug/l

RT: 5.28 min Scan# 514

Delta R.T. 0.00 min

Lab File: VD059575.D

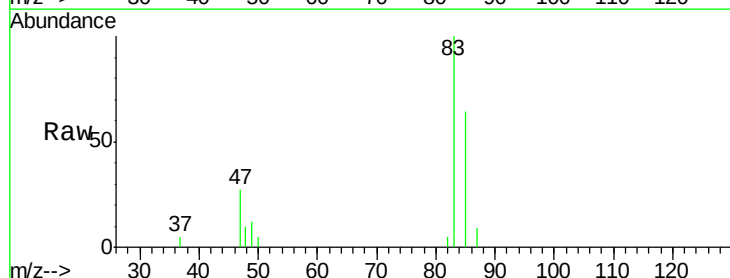
Acq: 24 Jul 2018 17:17

Tgt Ion: 83 Resp: 32819

Ion Ratio Lower Upper

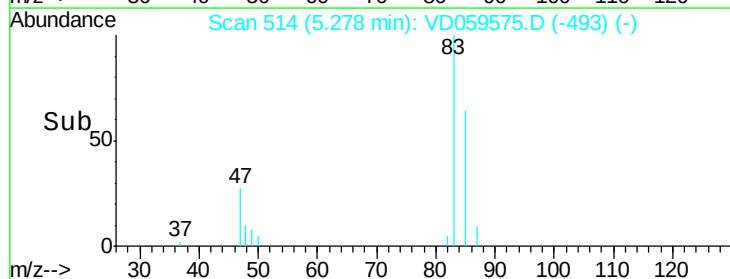
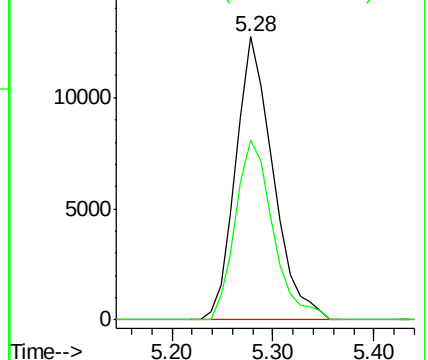
83 100

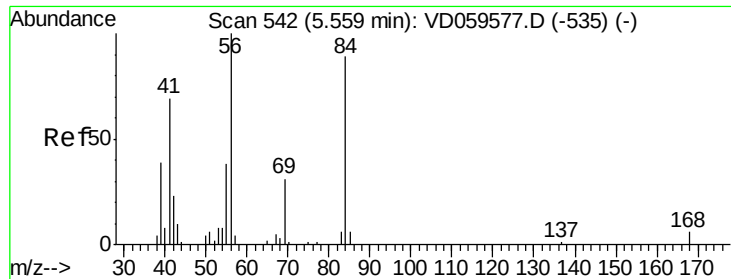
85 63.6 53.0 79.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

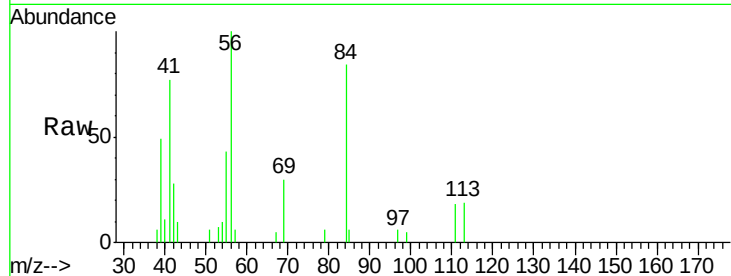




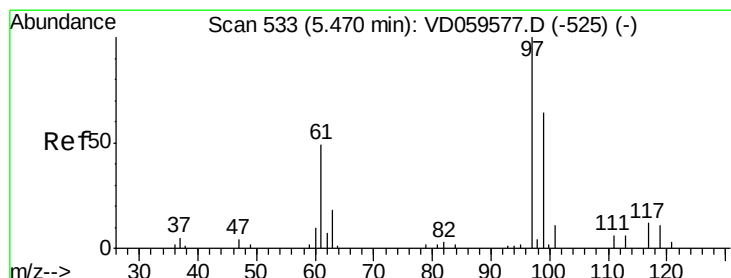
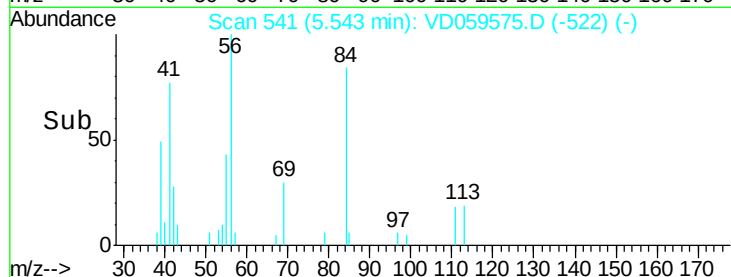
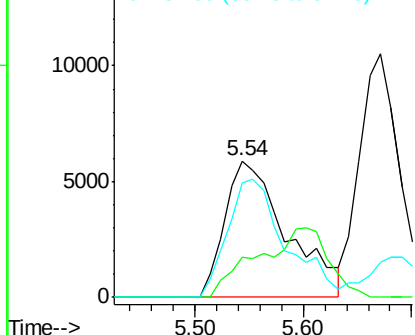
#31
Cyclohexane
Concen: 20.850 ug/l
RT: 5.54 min Scan# 541
Delta R.T. -0.02 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 23392
Ion Ratio Lower Upper
56 100
69 29.9 24.6 37.0
84 84.1 72.7 109.1

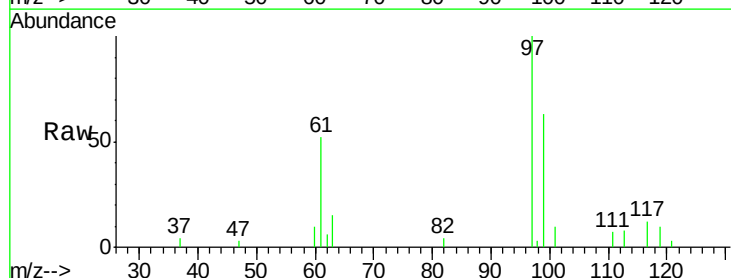


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

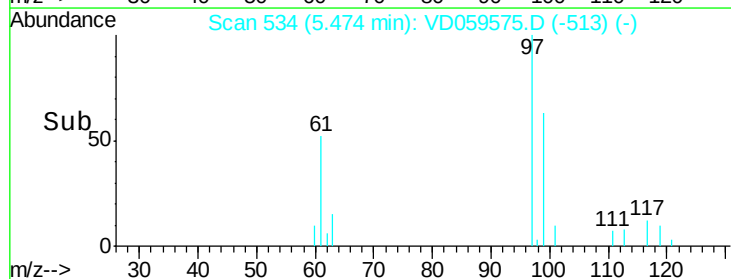
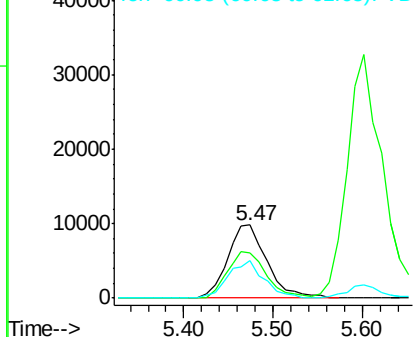


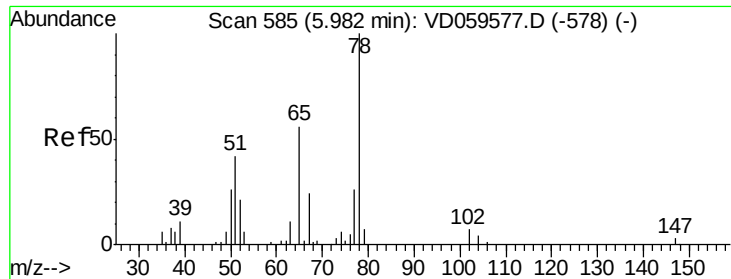
#32
1,1,1-Trichloroethane
Concen: 18.020 ug/l
RT: 5.47 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion: 97 Resp: 30075
Ion Ratio Lower Upper
97 100
99 62.8 50.9 76.3
61 51.9 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

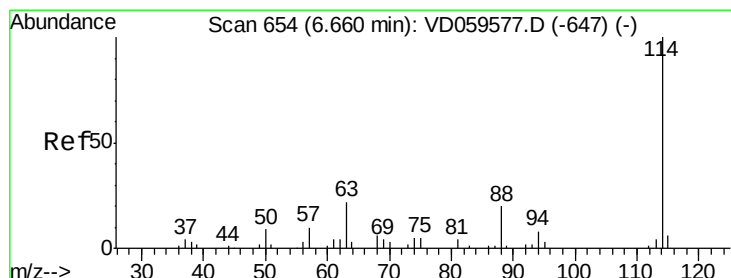
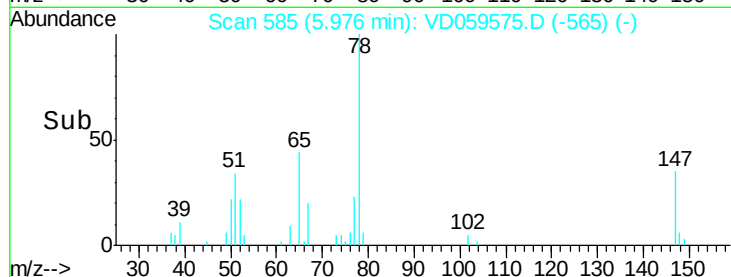
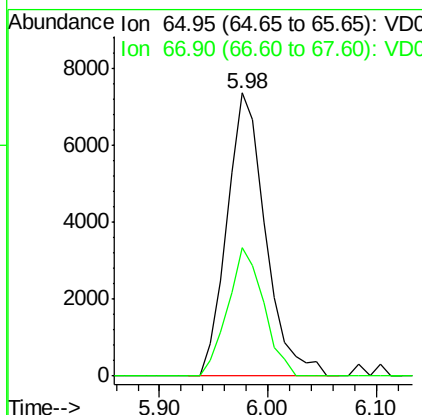
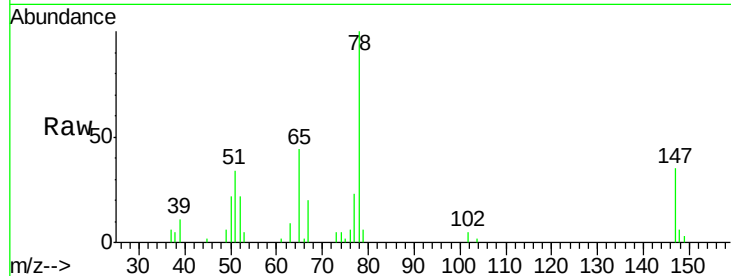




#33
 1,2-Dichloroethane-d4
 Concen: 18.020 ug/l
 RT: 5.98 min Scan# 585
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

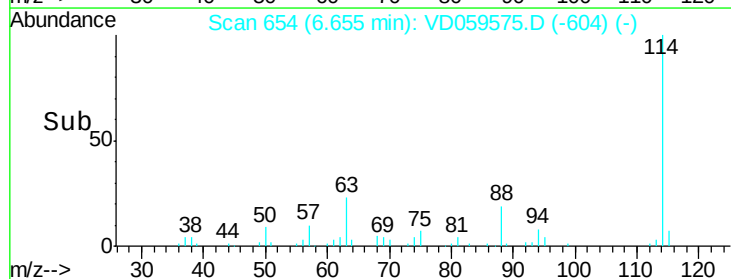
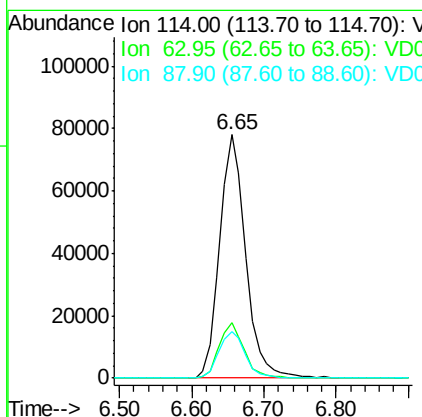
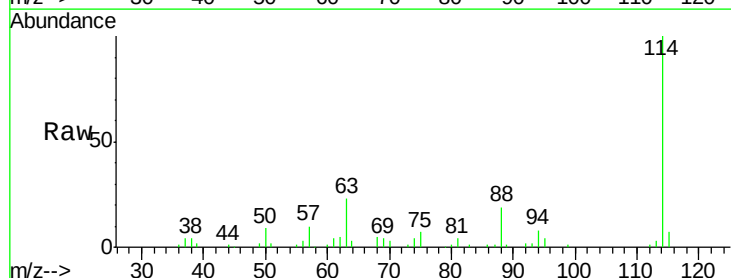
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

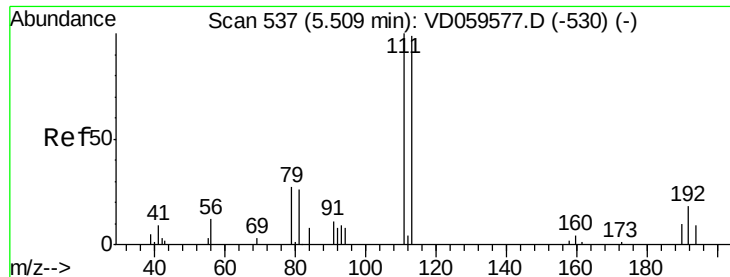
Tgt Ion: 65 Resp: 18150
 Ion Ratio Lower Upper
 65 100
 67 45.4 0.0 86.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.65 min Scan# 654
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 114 Resp: 194135
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.8
 88 19.0 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: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

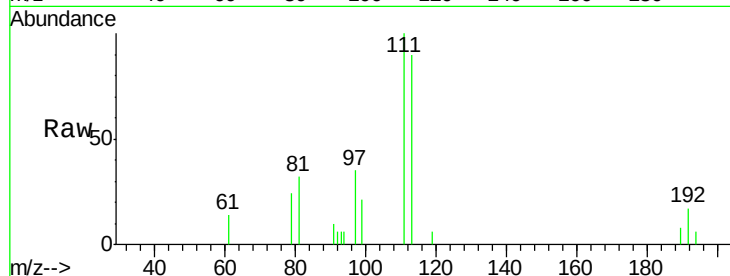
Tgt Ion:113 Resp: 16276

Ion Ratio Lower Upper

113 100

111 111.0 80.5 120.7

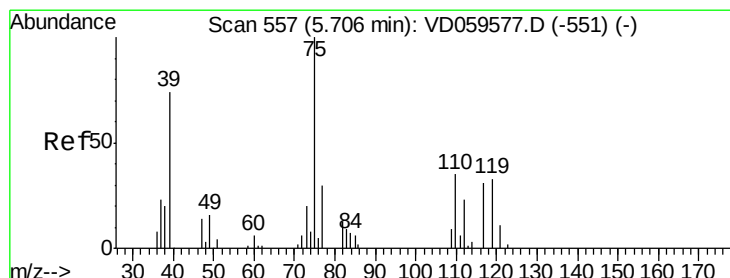
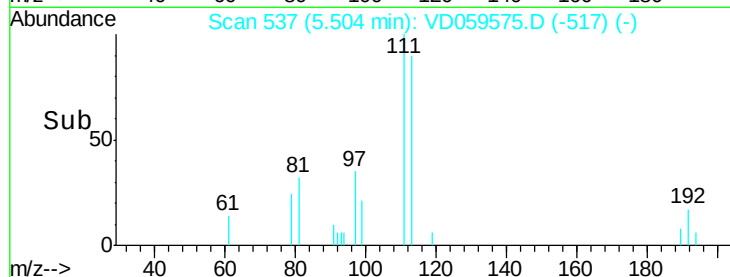
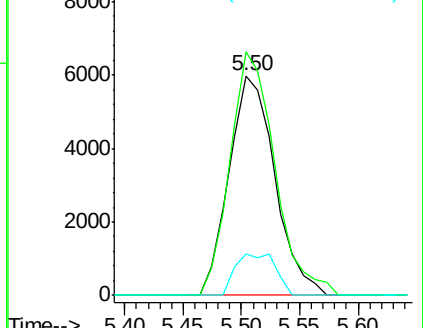
192 19.0 14.5 21.7



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: 13.572 ug/l

RT: 5.71 min Scan# 558

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

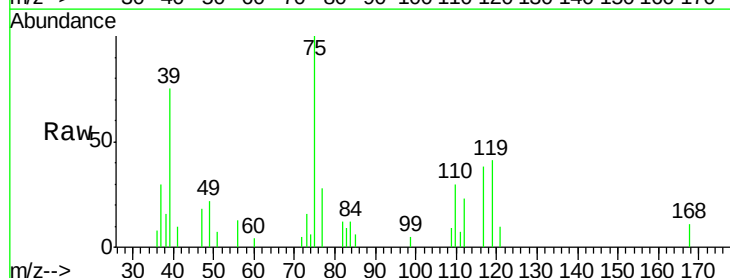
Tgt Ion: 75 Resp: 21975

Ion Ratio Lower Upper

75 100

110 29.7 17.0 50.9

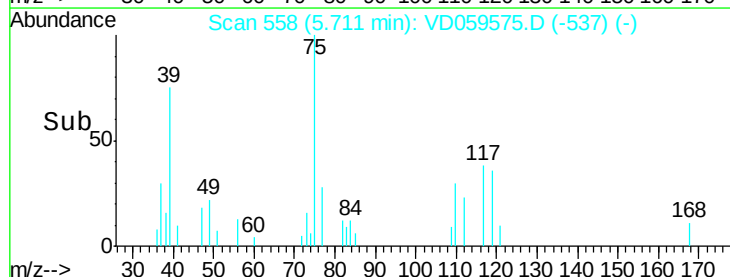
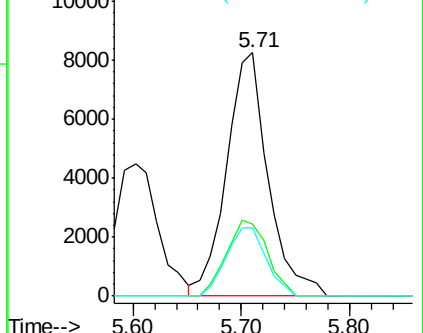
77 28.1 23.6 35.4

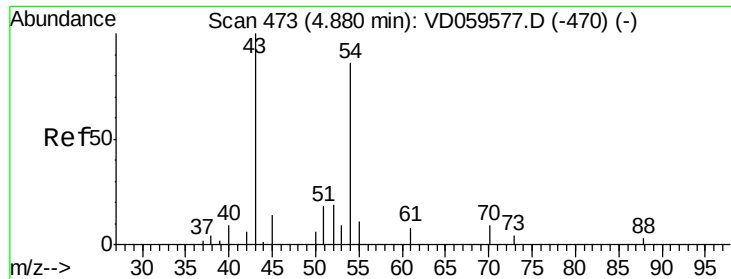


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

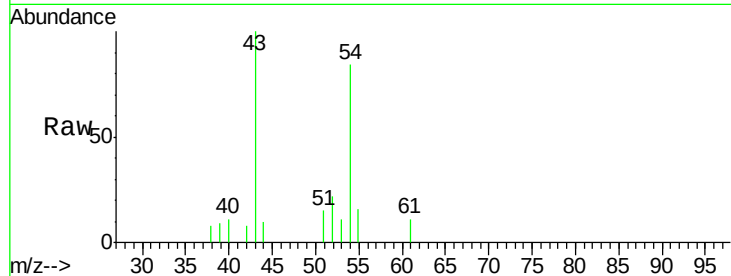




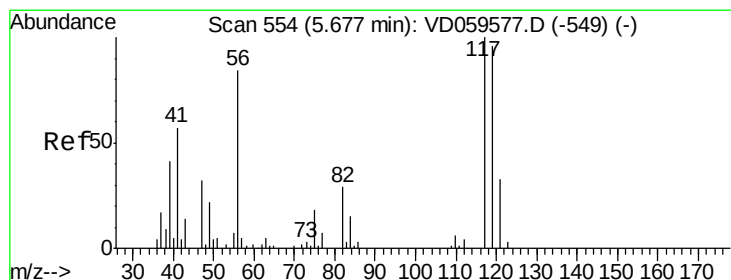
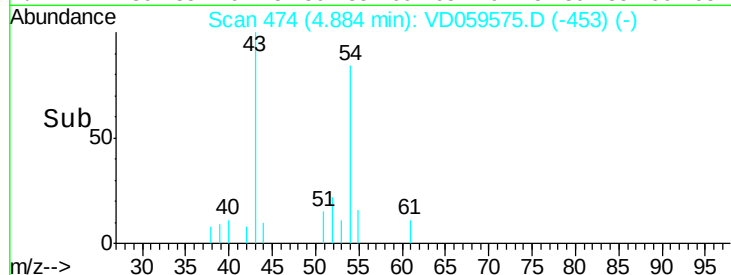
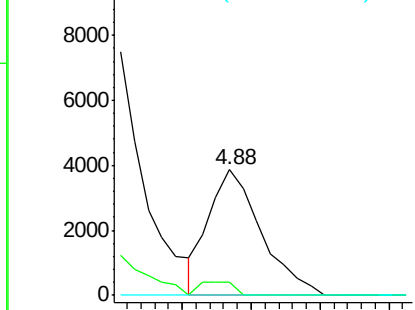
#37
Ethyl Acetate
Concen: 14.381 ug/l
RT: 4.88 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 10277
Ion Ratio Lower Upper
43 100
61 11.0 10.7 16.1
70 0.0 5.4 8.0#

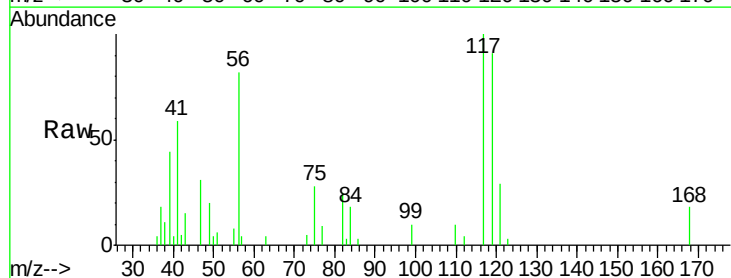


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

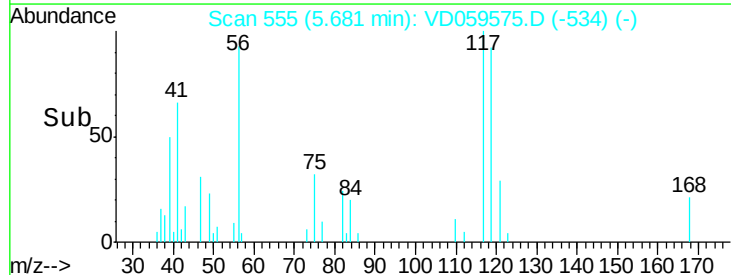
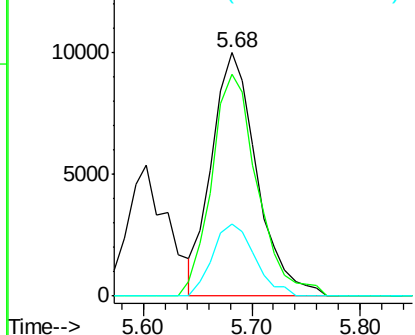


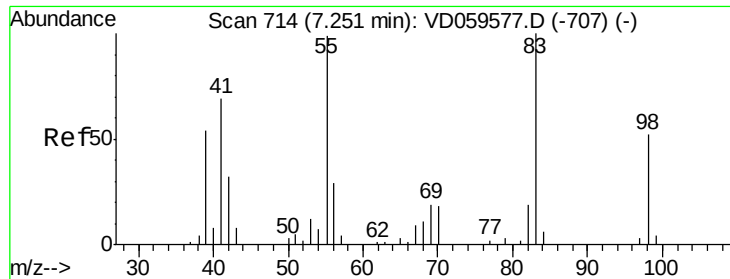
#38
Carbon Tetrachloride
Concen: 14.337 ug/l
RT: 5.68 min Scan# 555
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion: 117 Resp: 28895
Ion Ratio Lower Upper
117 100
119 90.9 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

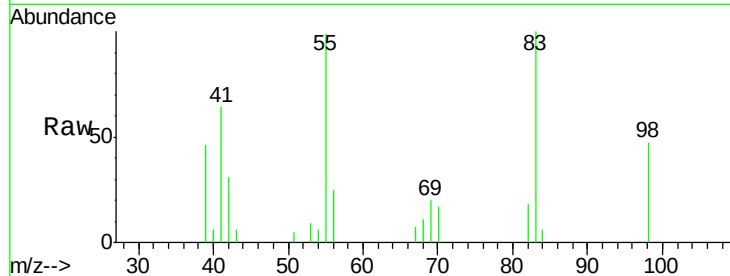




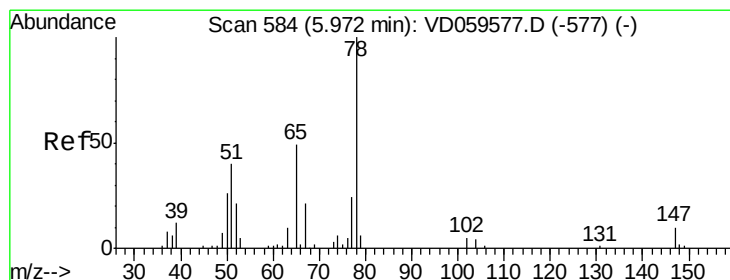
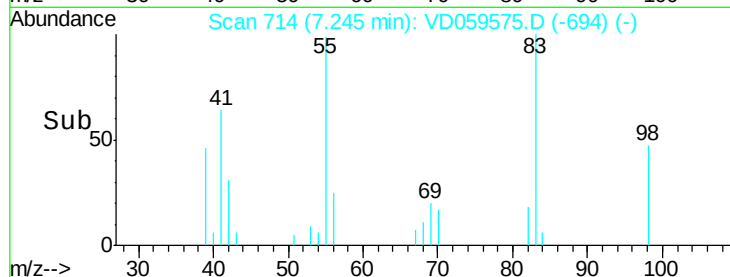
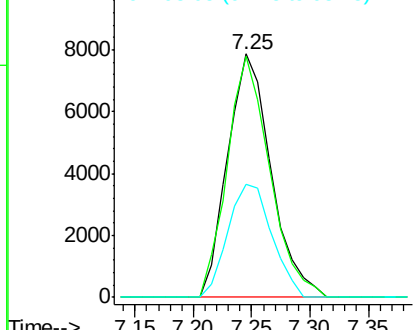
#39
Methylcyclohexane
Concen: 12.971 ug/l
RT: 7.25 min Scan# 714
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 20359
Ion Ratio Lower Upper
83 100
55 99.1 79.4 119.0
98 46.6 41.6 62.4

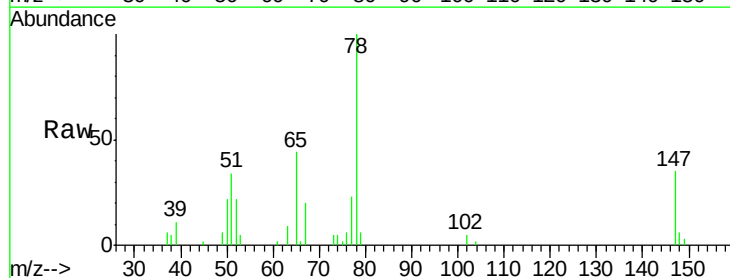


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

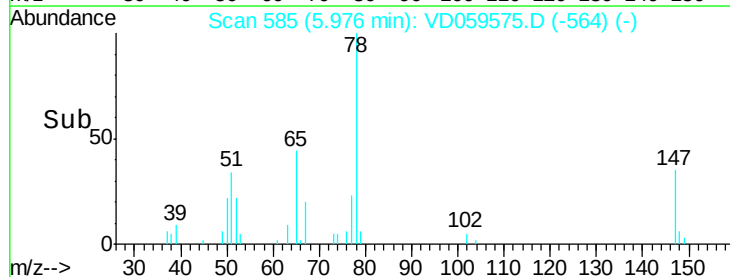
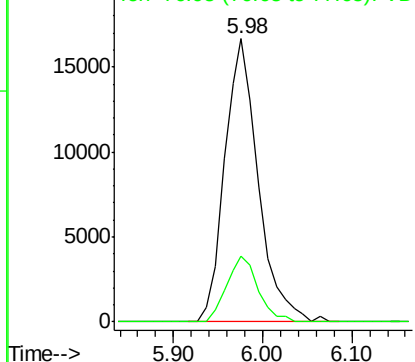


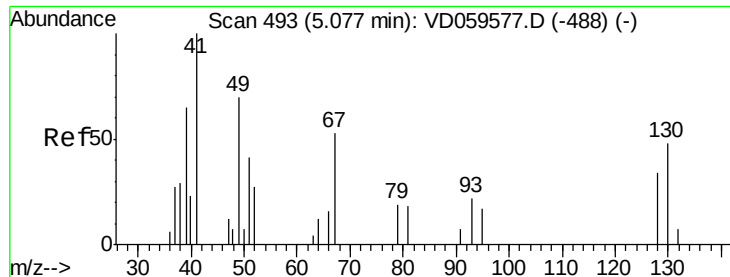
#40
Benzene
Concen: 11.658 ug/l
RT: 5.98 min Scan# 585
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion: 78 Resp: 43807
Ion Ratio Lower Upper
78 100
77 23.2 19.0 28.6



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

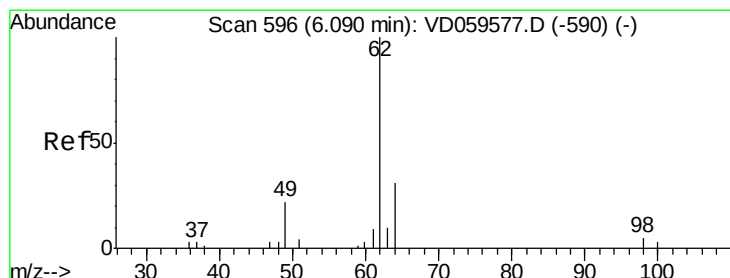
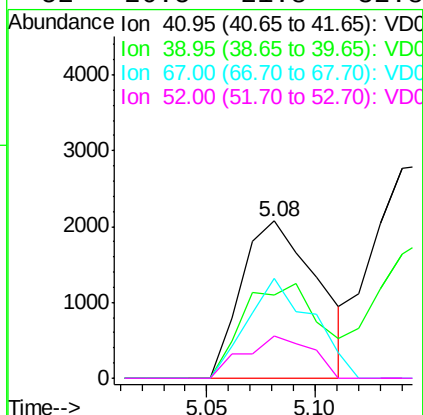
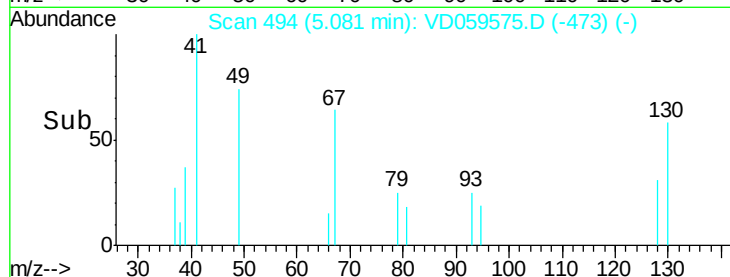
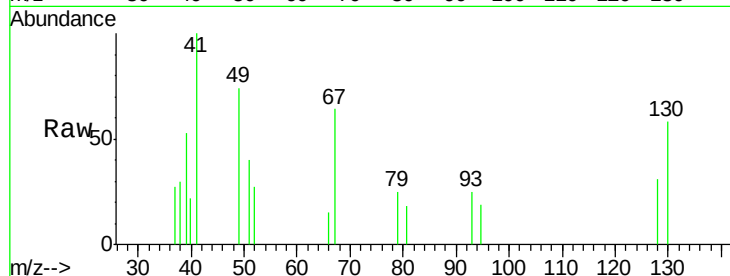




#41
Methacrylonitrile
Concen: 14.162 ug/l
RT: 5.08 min Scan# 494
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

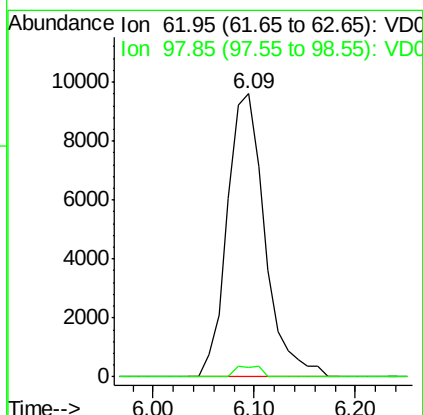
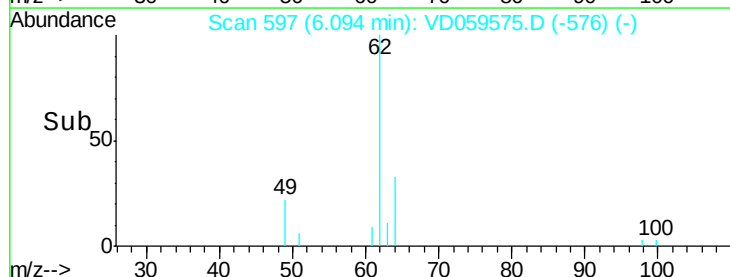
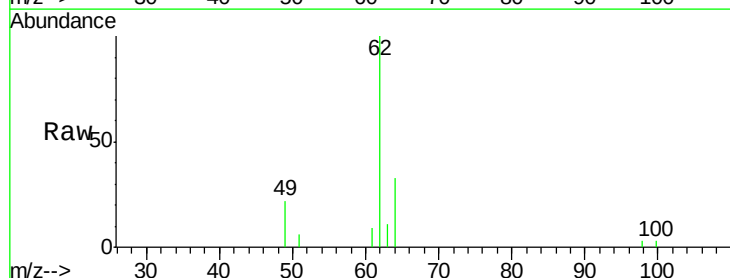
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

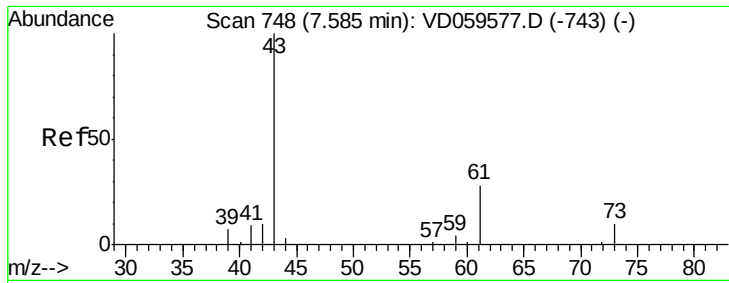
Tgt Ion: 41 Resp: 5078
Ion Ratio Lower Upper
41 100
39 53.1 52.1 78.1
67 63.7 42.5 63.7
52 26.5 21.8 32.8



#42
1,2-Dichloroethane
Concen: 15.476 ug/l
RT: 6.09 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion: 62 Resp: 24939
Ion Ratio Lower Upper
62 100
98 3.5 0.0 10.2





#43

Isopropyl Acetate

Concen: 14.764 ug/l

RT: 7.59 min Scan# 749

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

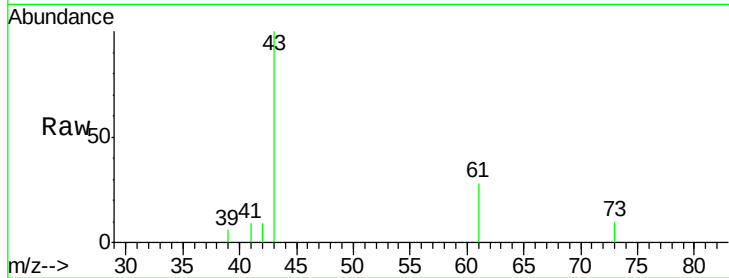
Tgt Ion: 43 Resp: 14571

Ion Ratio Lower Upper

43 100

61 28.3 22.0 33.0

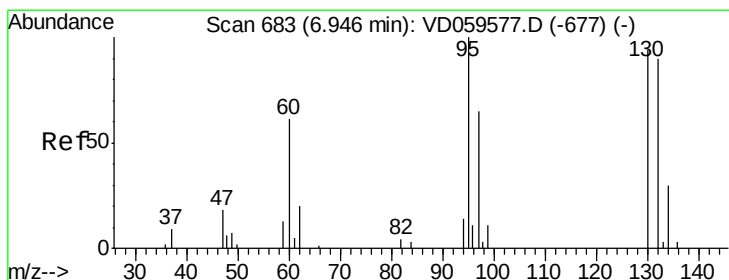
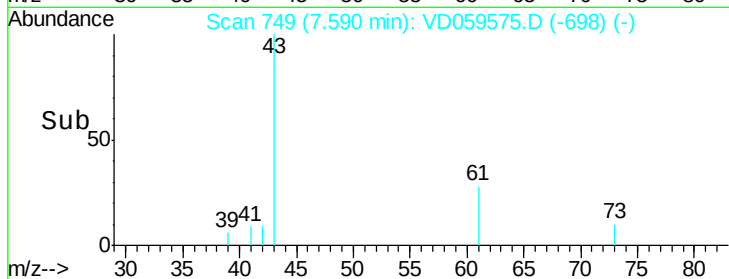
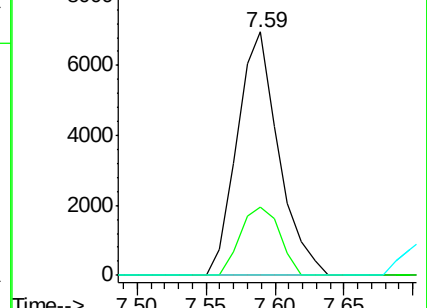
87 0.0 0.0 0.0



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: 9.992 ug/l

RT: 6.95 min Scan# 684

Delta R.T. 0.00 min

Lab File: VD059575.D

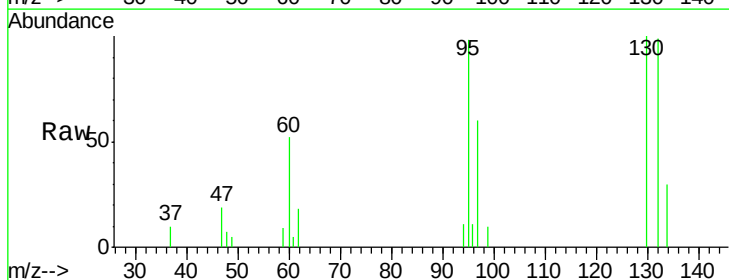
Acq: 24 Jul 2018 17:17

Tgt Ion: 130 Resp: 16469

Ion Ratio Lower Upper

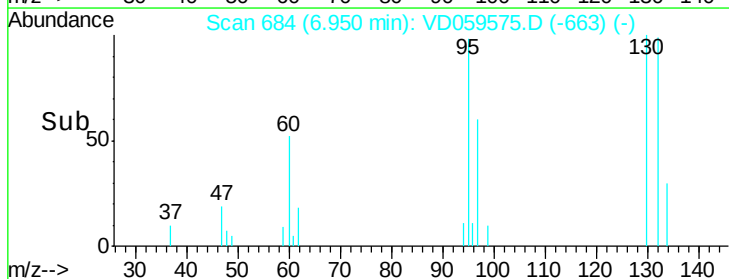
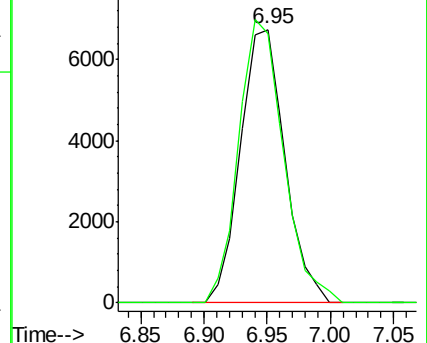
130 100

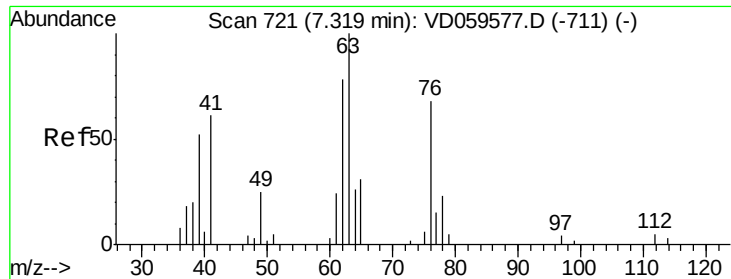
95 98.4 0.0 213.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

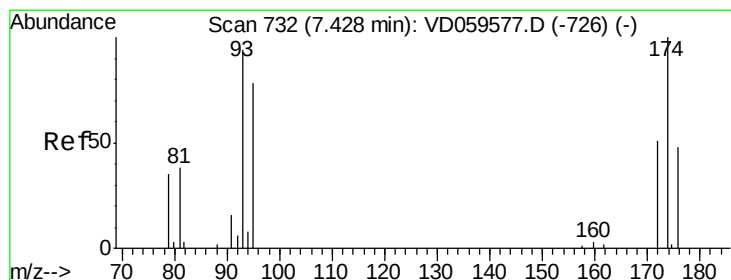
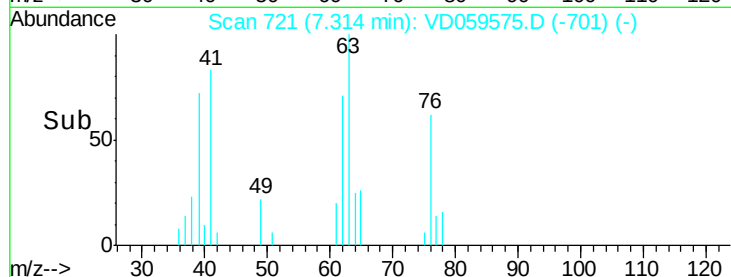
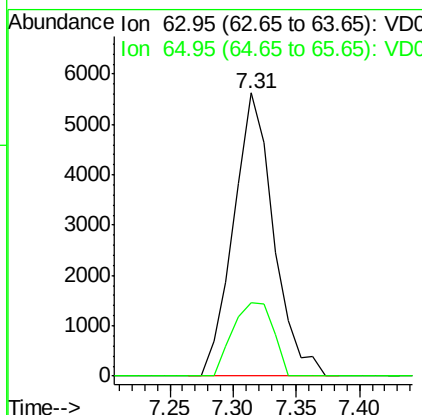
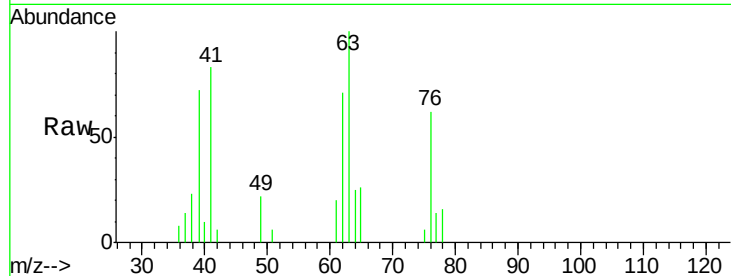




#45
 1,2-Dichloropropane
 Concen: 12.944 ug/l
 RT: 7.31 min Scan# 721
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

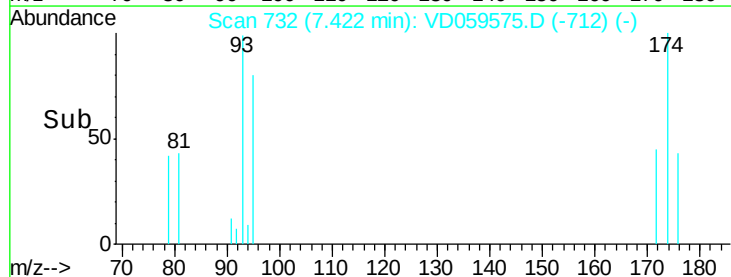
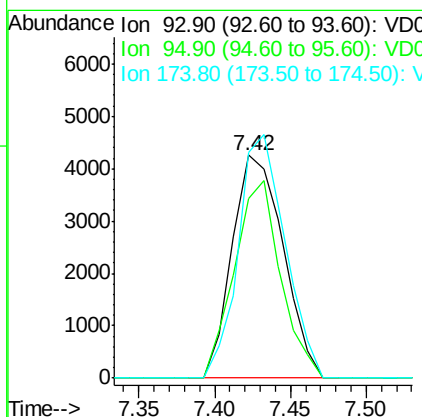
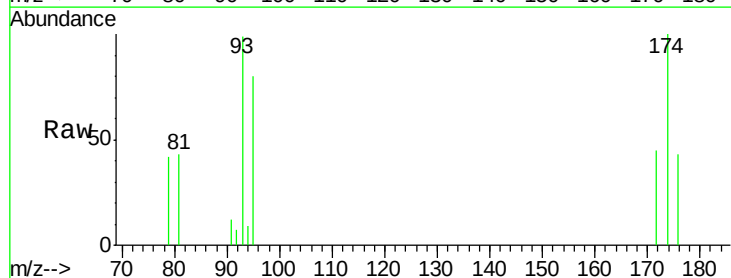
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

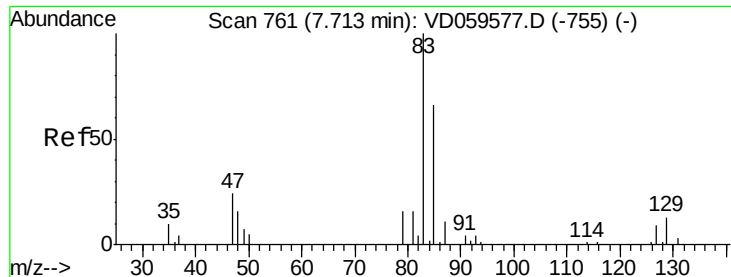
Tgt Ion: 63 Resp: 12360
 Ion Ratio Lower Upper
 63 100
 65 25.8 24.9 37.3



#46
 Dibromomethane
 Concen: 13.301 ug/l
 RT: 7.42 min Scan# 732
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 93 Resp: 9955
 Ion Ratio Lower Upper
 93 100
 95 80.6 65.8 98.8
 174 101.2 84.7 127.1





#47

Bromodichloromethane

Concen: 13.986 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

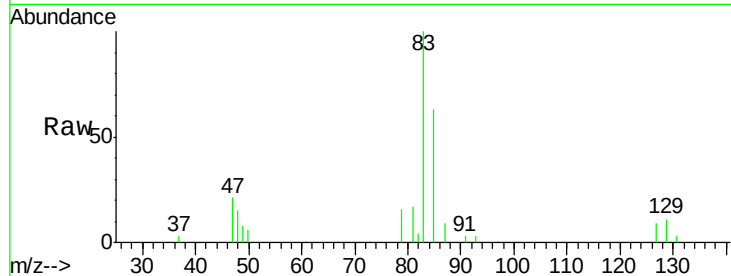
Tgt Ion: 83 Resp: 24575

Ion Ratio Lower Upper

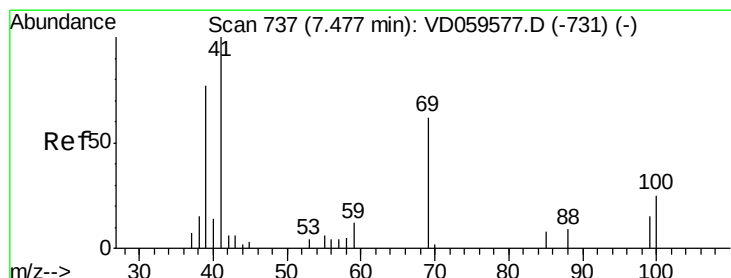
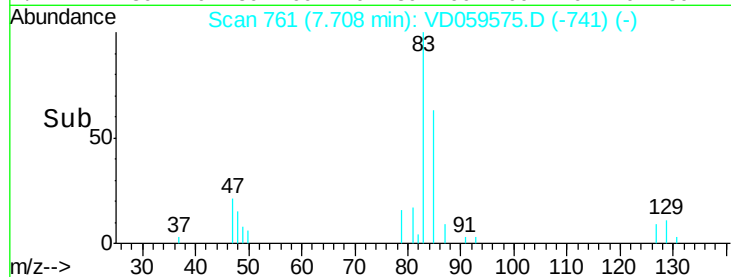
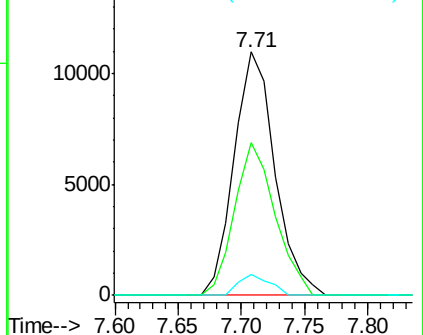
83 100

85 62.6 53.1 79.7

127 8.6 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): V



#48

Methyl methacrylate

Concen: 14.060 ug/l

RT: 7.47 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

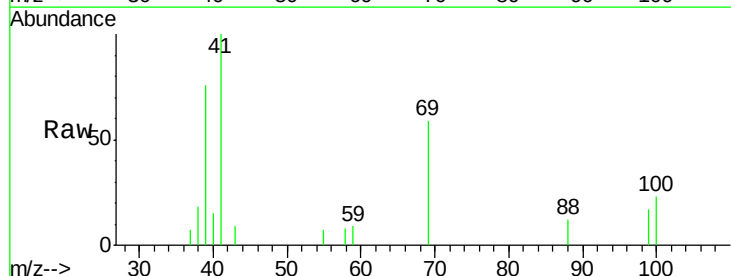
Tgt Ion: 41 Resp: 9293

Ion Ratio Lower Upper

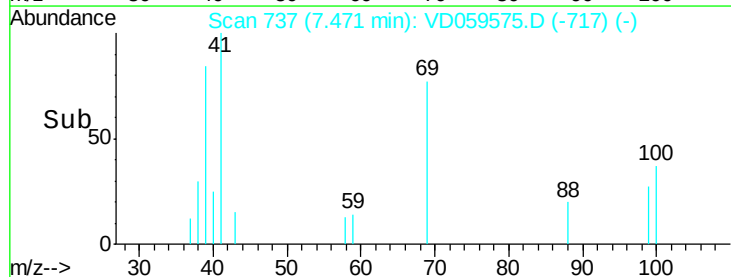
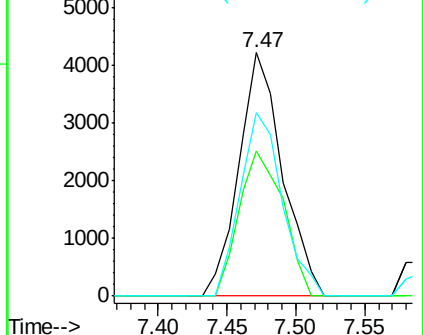
41 100

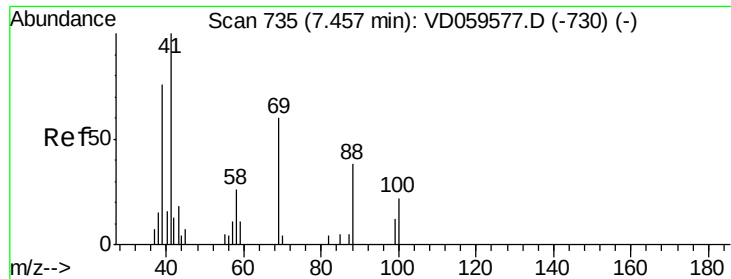
69 59.4 49.4 74.0

39 75.5 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: 232.146 ug/l

RT: 7.46 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

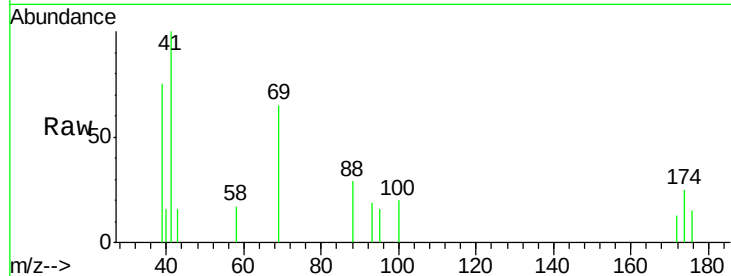
Tgt Ion: 88 Resp: 1631

Ion Ratio Lower Upper

88 100

43 54.3 37.4 56.2

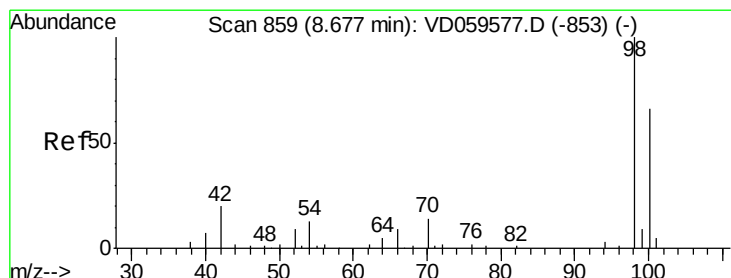
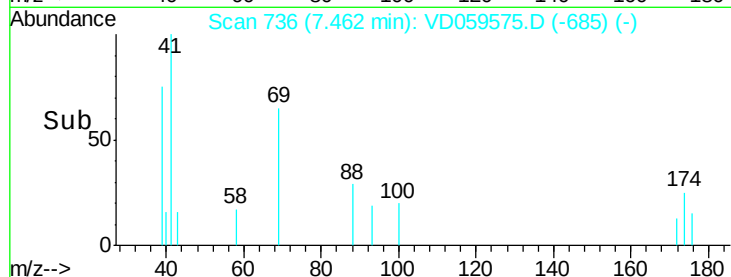
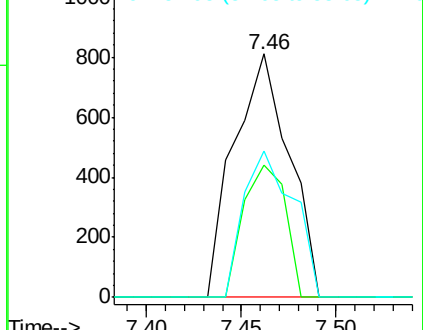
58 60.0 55.6 83.4



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: 232.146 ug/l

RT: 8.68 min Scan# 860

Delta R.T. 0.00 min

Lab File: VD059575.D

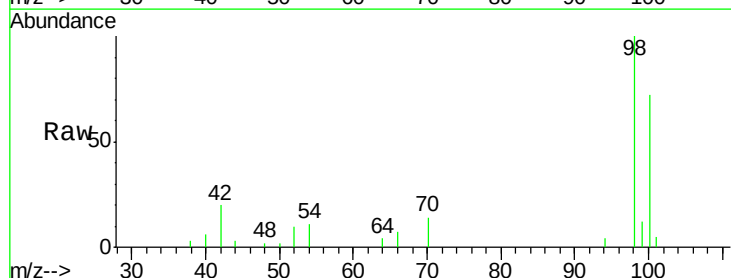
Acq: 24 Jul 2018 17:17

Tgt Ion: 98 Resp: 38804

Ion Ratio Lower Upper

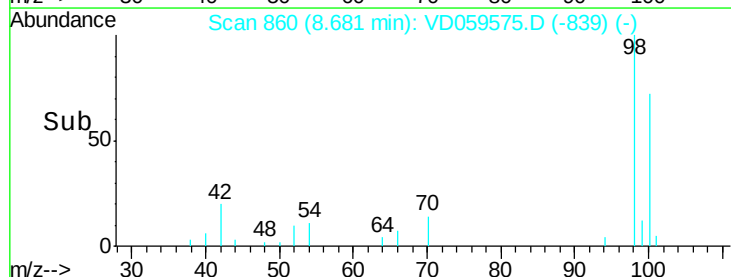
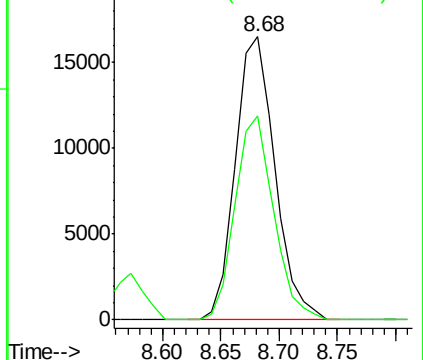
98 100

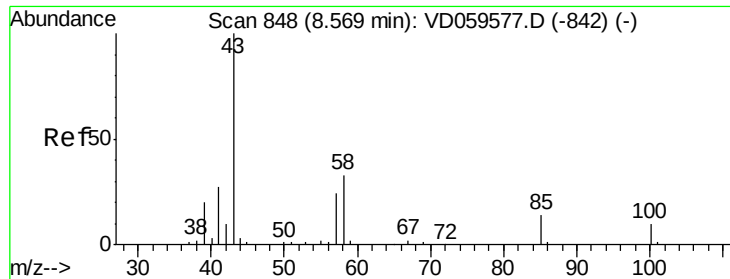
100 72.2 53.2 79.8



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: 78.080 ug/l

RT: 8.56 min Scan# 848

Delta R.T. -0.01 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

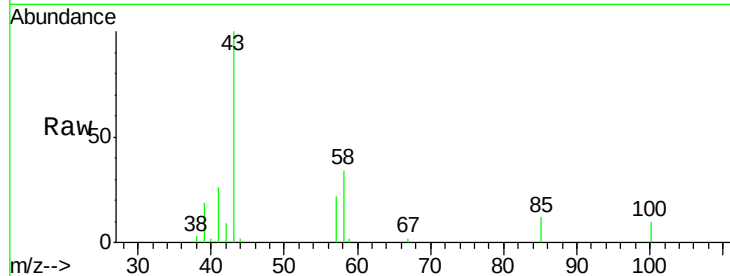
VSTDIC010

Tgt Ion: 43 Resp: 51714

Ion Ratio Lower Upper

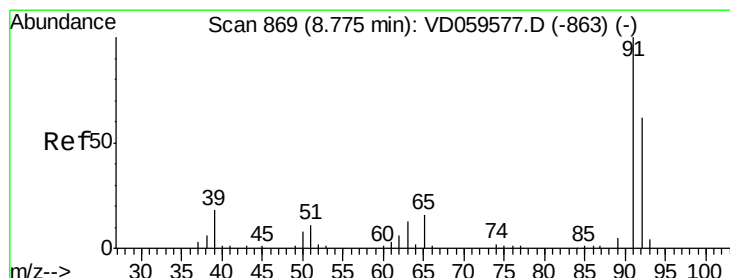
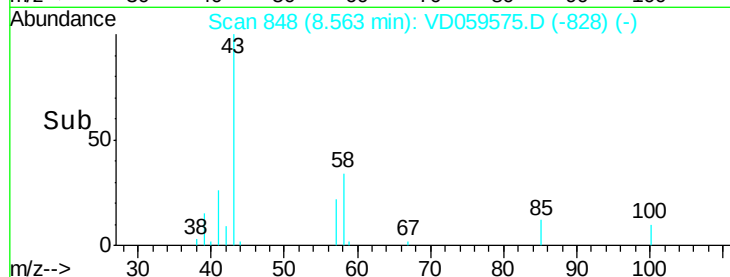
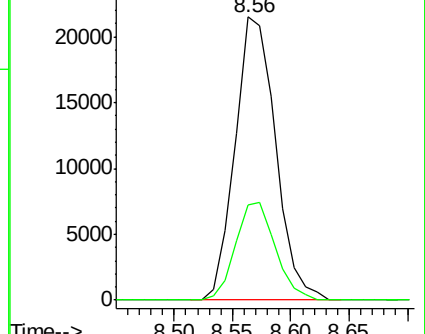
43 100

58 33.7 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 12.818 ug/l

RT: 8.77 min Scan# 869

Delta R.T. -0.01 min

Lab File: VD059575.D

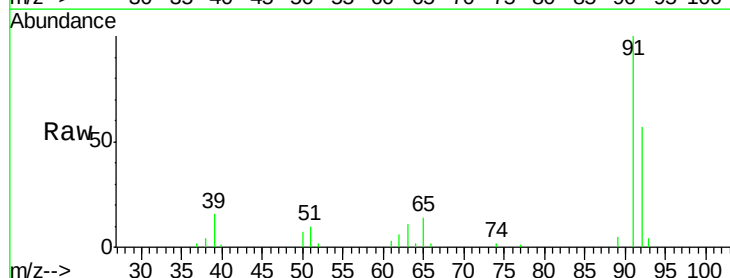
Acq: 24 Jul 2018 17:17

Tgt Ion: 92 Resp: 30956

Ion Ratio Lower Upper

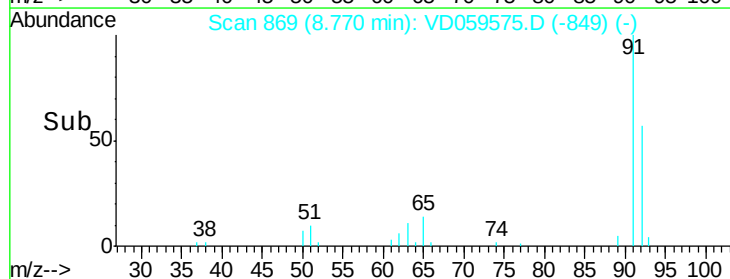
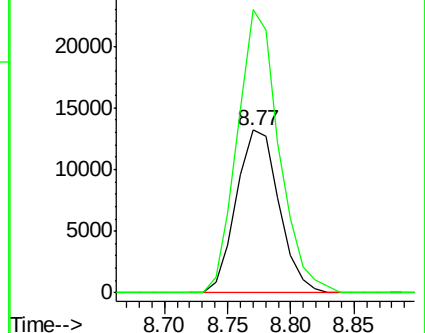
92 100

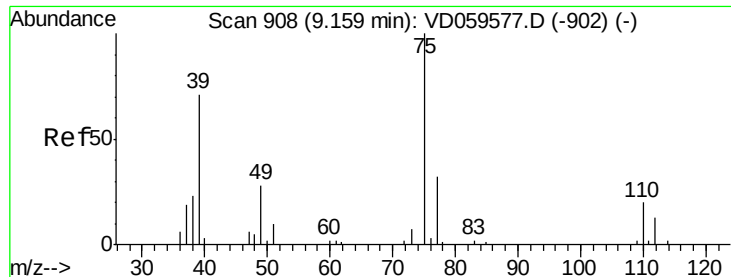
91 174.2 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

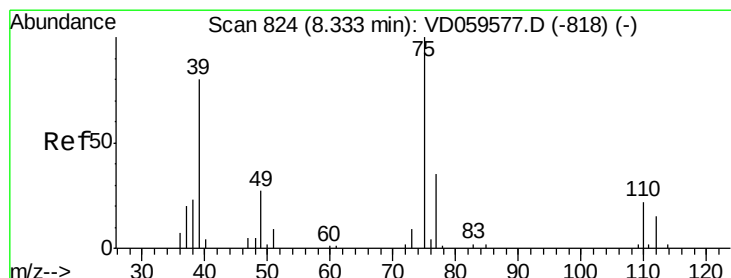
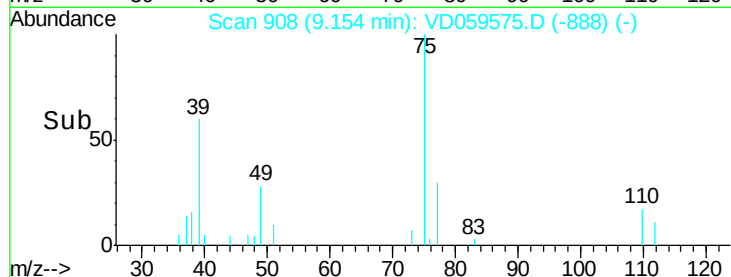
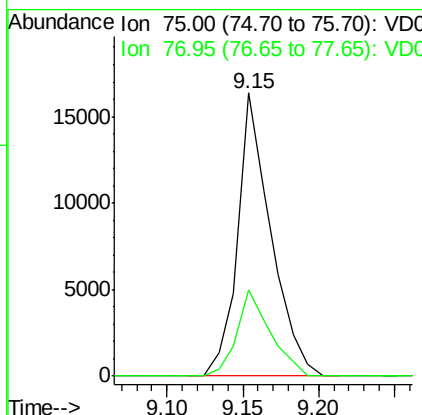
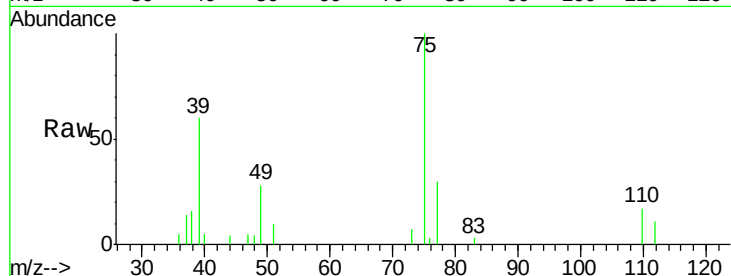




#53
 t-1,3-Dichloropropene
 Concen: 17.696 ug/l
 RT: 9.15 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

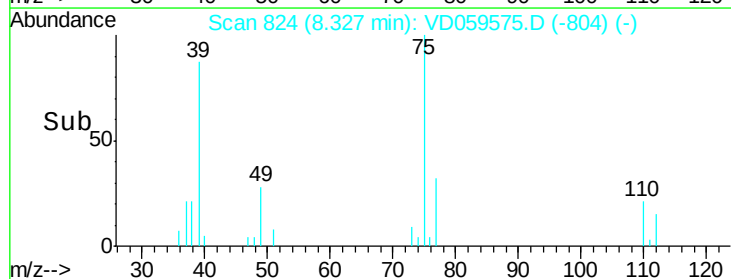
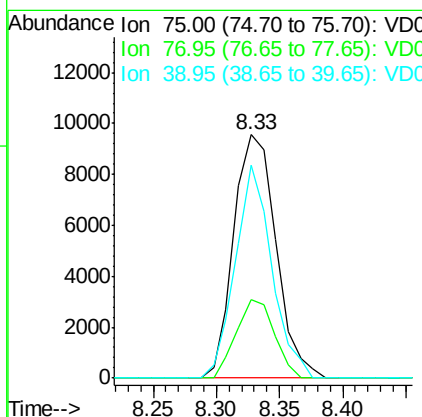
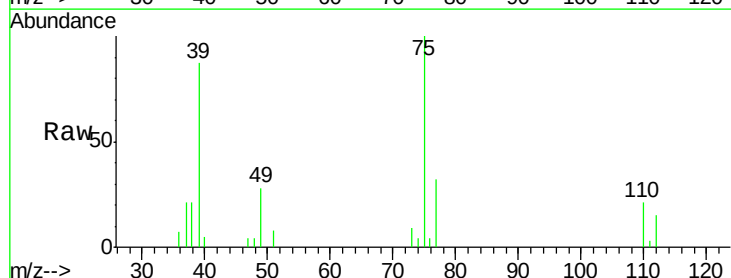
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

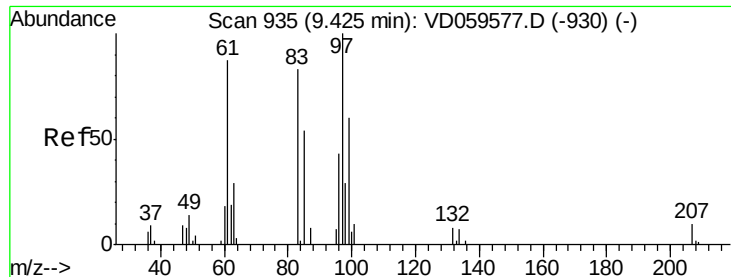
Tgt Ion: 75 Resp: 24834
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 14.391 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 75 Resp: 22203
 Ion Ratio Lower Upper
 75 100
 77 32.5 27.7 41.5
 39 87.5 63.8 95.8

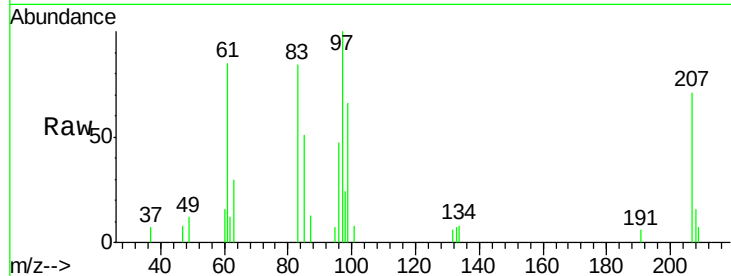




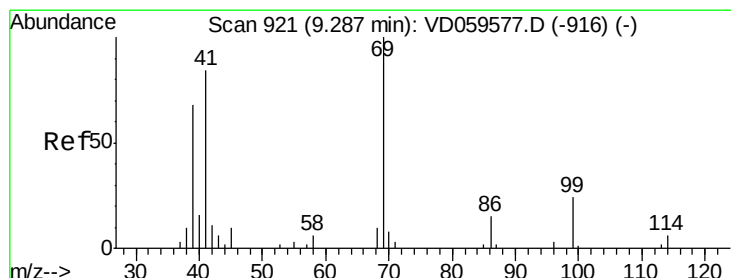
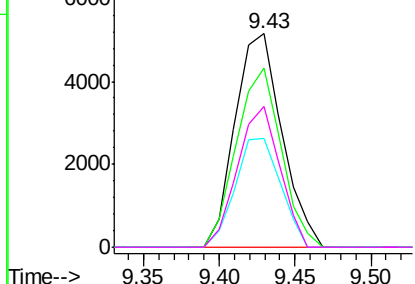
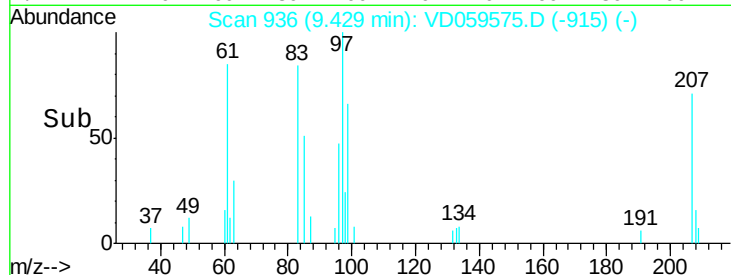
#55
 1,1,2-Trichloroethane
 Concen: 12.755 ug/l
 RT: 9.43 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 97 Resp: 11121
 Ion Ratio Lower Upper
 97 100
 83 83.8 66.3 99.5
 85 51.0 43.0 64.6
 99 65.7 47.7 71.5

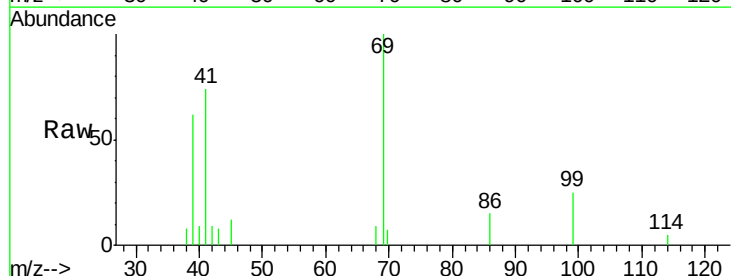


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

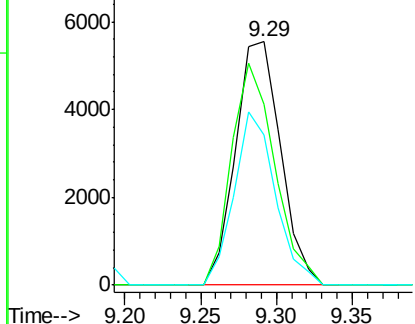
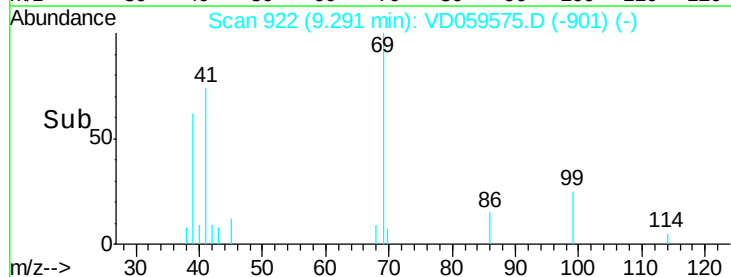


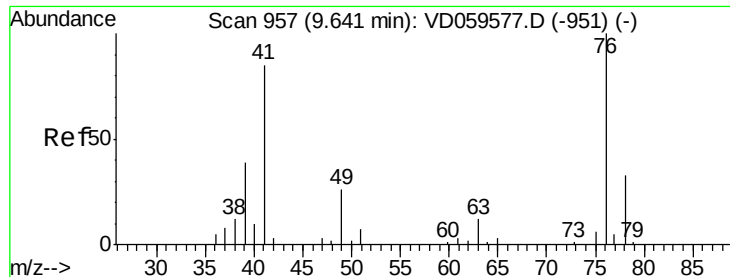
#56
 Ethyl methacrylate
 Concen: 12.136 ug/l
 RT: 9.29 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 69 Resp: 11500
 Ion Ratio Lower Upper
 69 100
 41 74.2 66.8 100.2
 39 61.5 54.7 82.1



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC

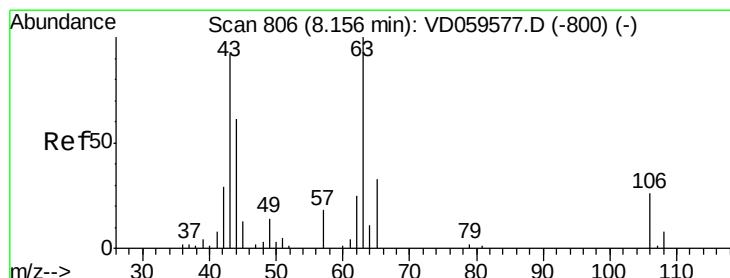
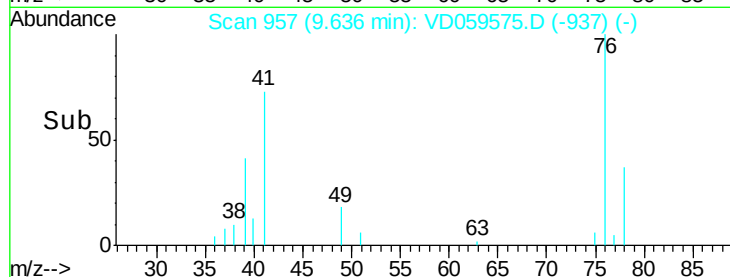
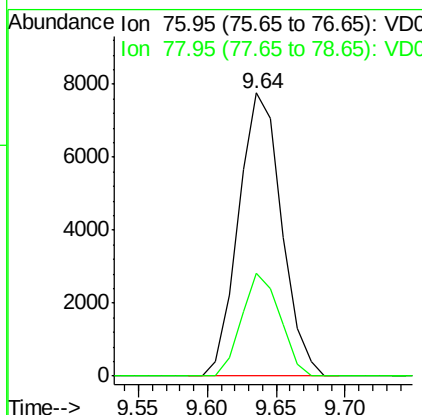
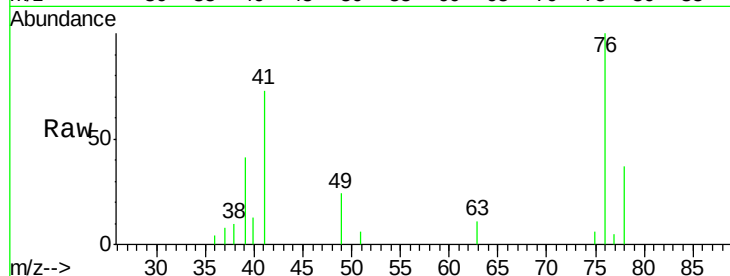




#57
 1,3-Dichloropropane
 Concen: 12.491 ug/l
 RT: 9.64 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

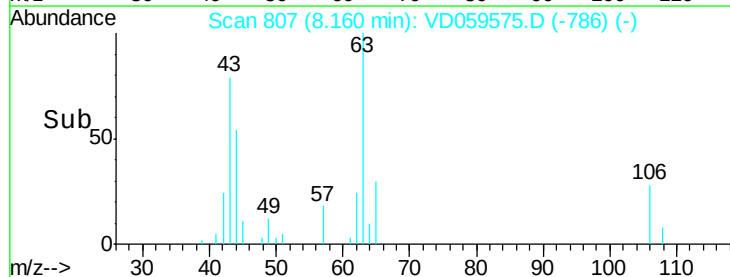
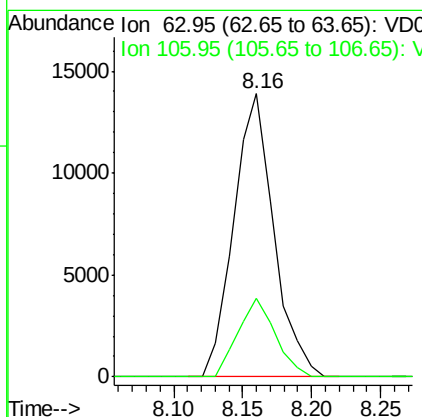
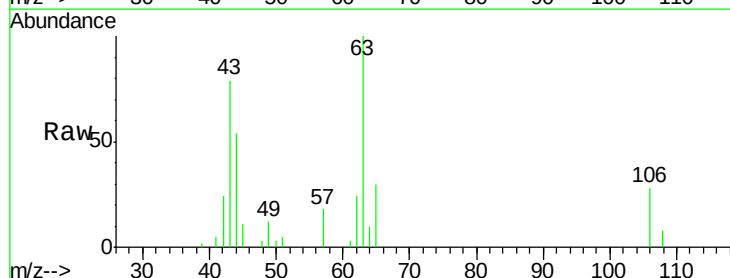
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

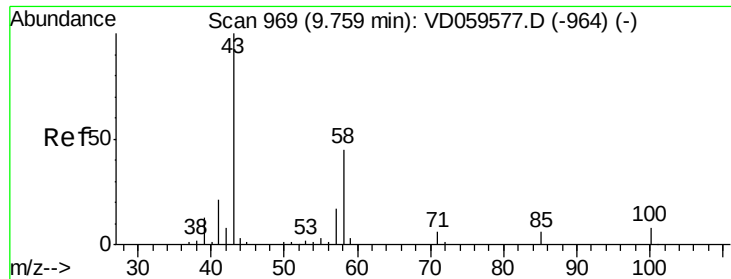
Tgt Ion: 76 Resp: 16904
 Ion Ratio Lower Upper
 76 100
 78 36.6 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 65.299 ug/l
 RT: 8.16 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 63 Resp: 28054
 Ion Ratio Lower Upper
 63 100
 106 27.9 21.0 31.6

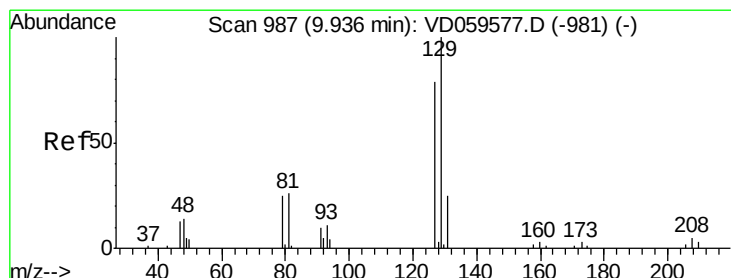
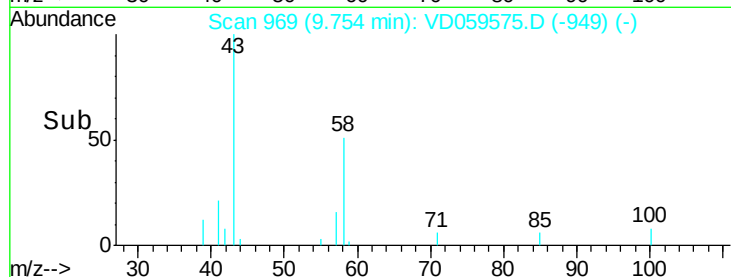
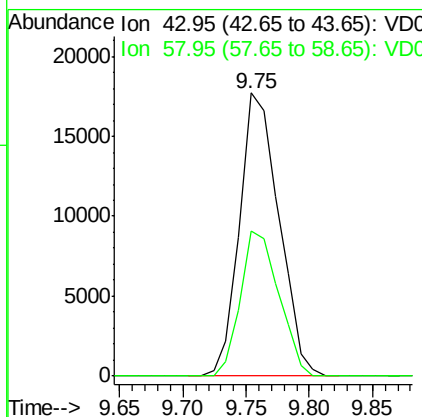
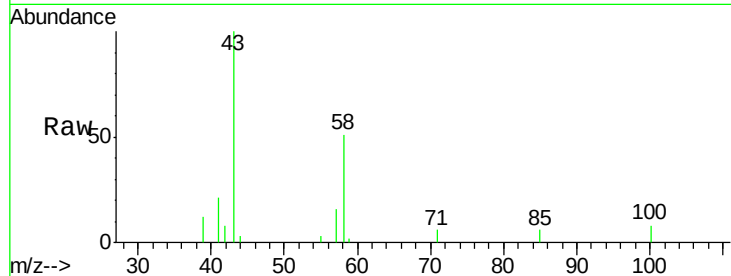




#59
2-Hexanone
Concen: 80.707 ug/l
RT: 9.75 min Scan# 969
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

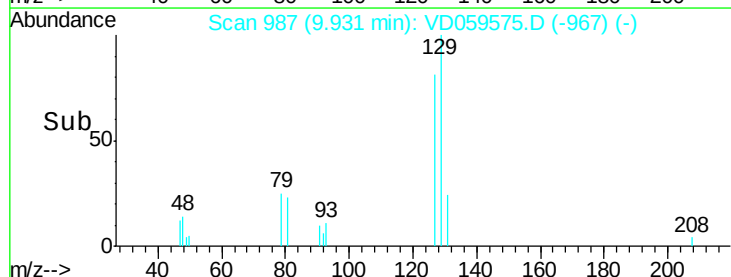
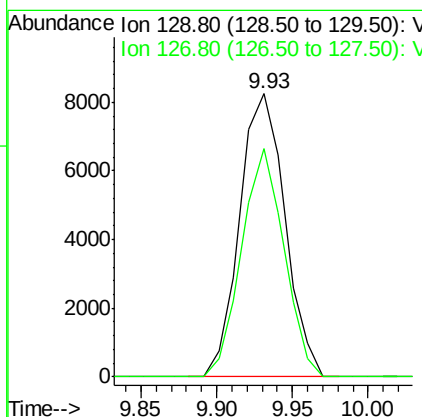
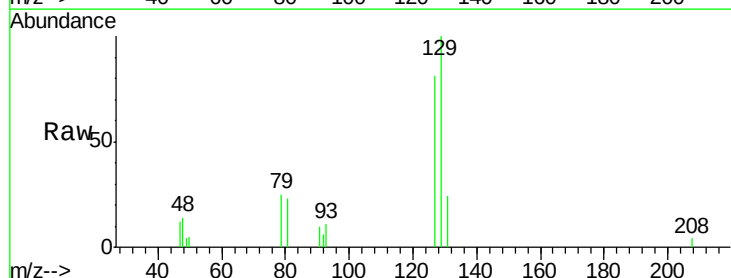
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

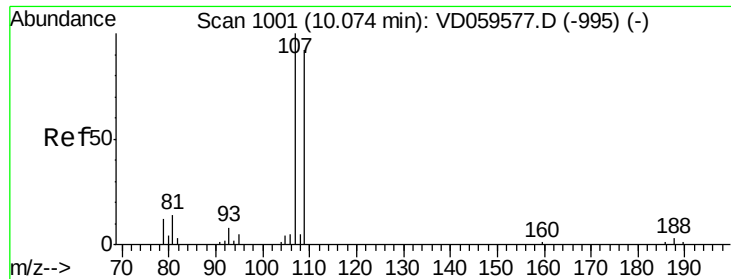
Tgt Ion: 43 Resp: 38370
Ion Ratio Lower Upper
43 100
58 51.3 22.7 68.1



#60
Dibromochloromethane
Concen: 10.988 ug/l
RT: 9.93 min Scan# 987
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion: 129 Resp: 17192
Ion Ratio Lower Upper
129 100
127 80.6 39.3 117.9





#61

1,2-Dibromoethane

Concen: 11.903 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.01 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

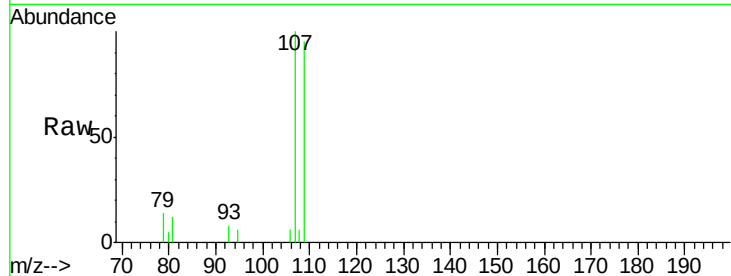
VSTDIC010

Tgt Ion: 107 Resp: 12212

Ion Ratio Lower Upper

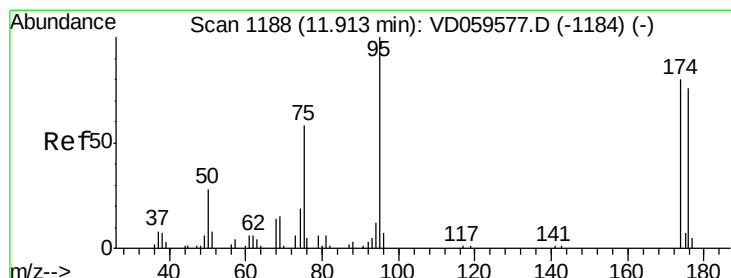
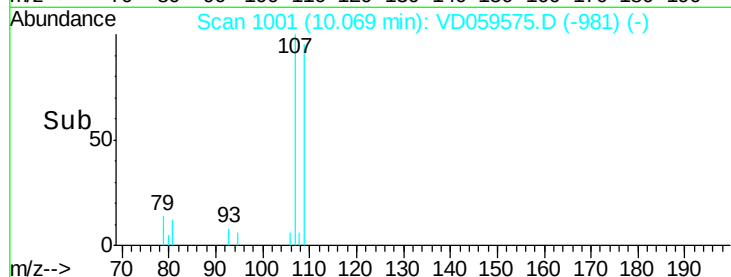
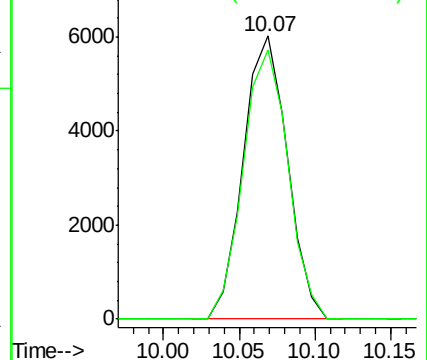
107 100

109 95.3 73.4 110.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 11.903 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

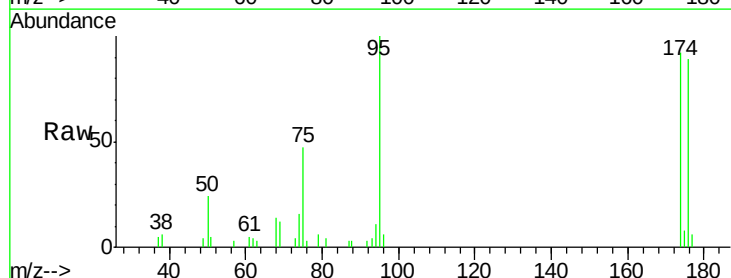
Tgt Ion: 95 Resp: 17608

Ion Ratio Lower Upper

95 100

174 92.3 0.0 160.6

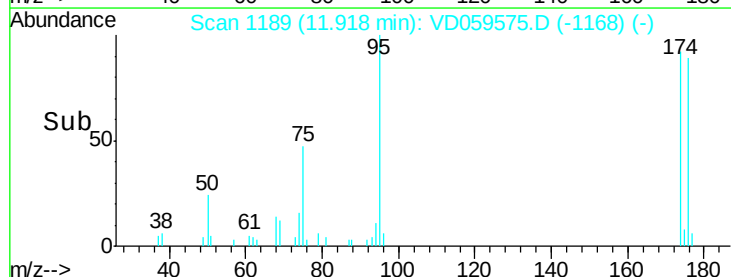
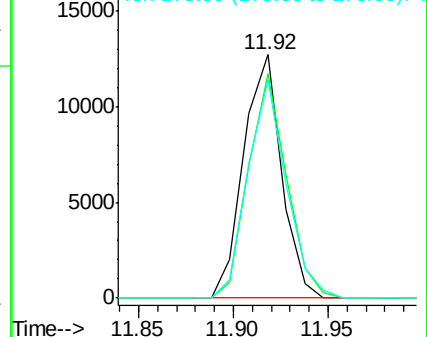
176 89.5 0.0 152.8

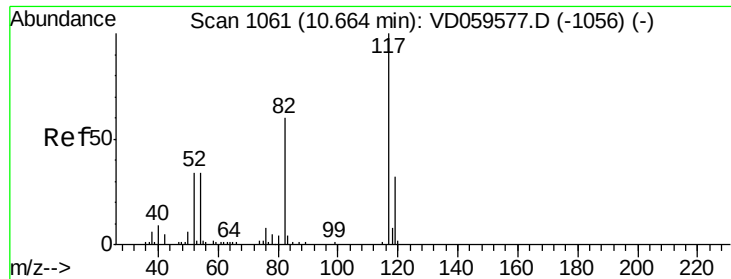


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

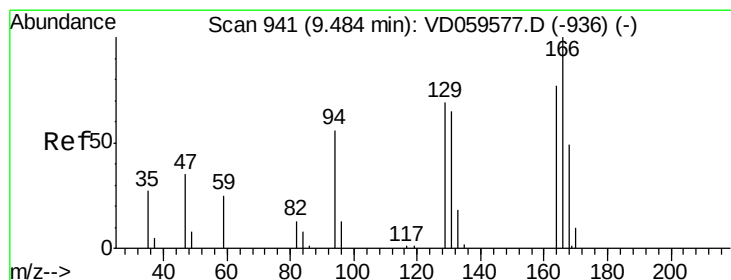
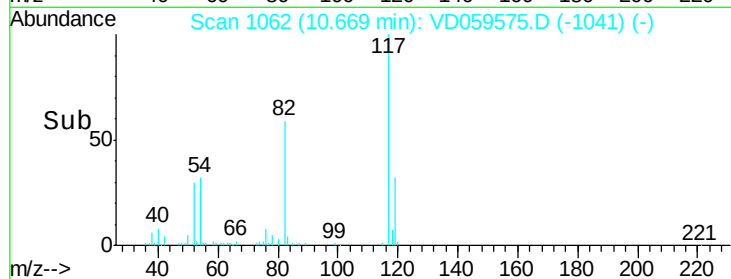
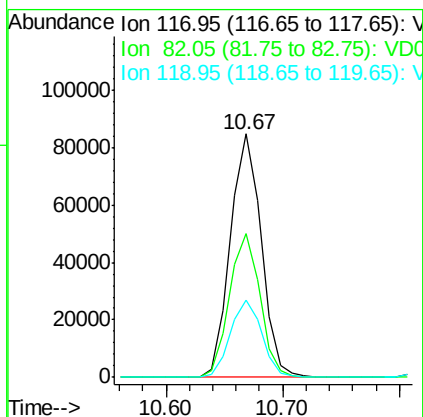
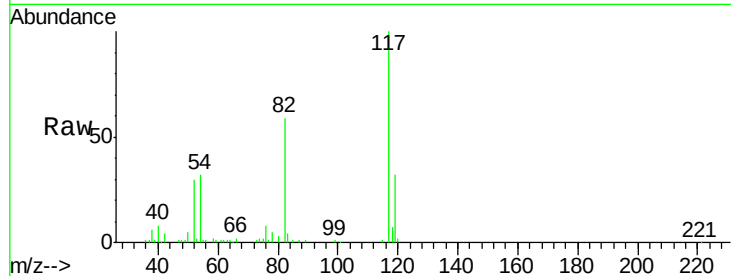




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

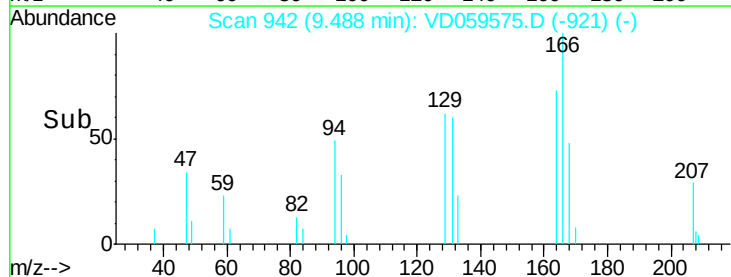
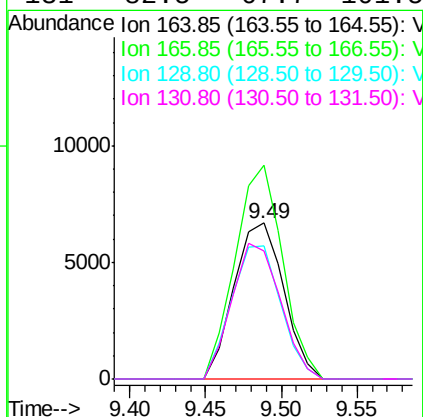
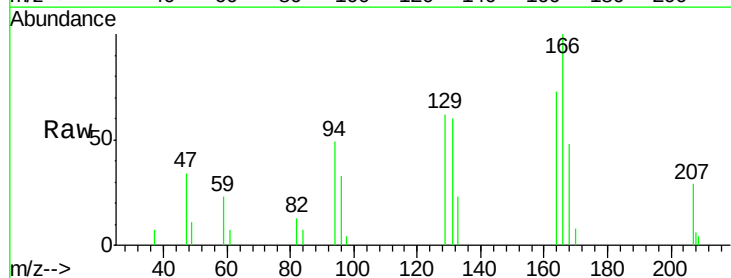
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

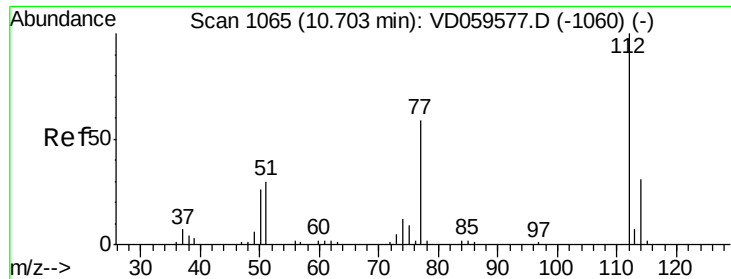
Tgt Ion:117 Resp: 155955
Ion Ratio Lower Upper
117 100
82 58.9 48.2 72.2
119 31.6 25.4 38.2



#64
Tetrachloroethene
Concen: 7.326 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion:164 Resp: 15323
Ion Ratio Lower Upper
164 100
166 137.2 104.0 156.0
129 85.5 72.2 108.4
131 82.5 67.7 101.5

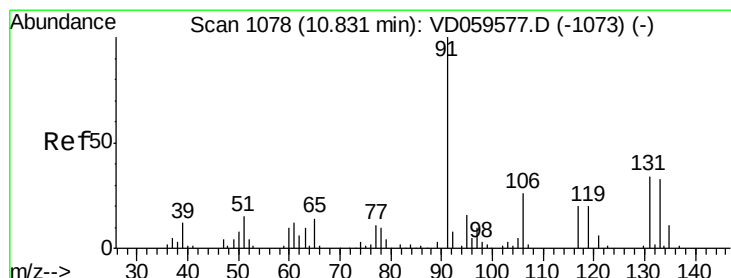
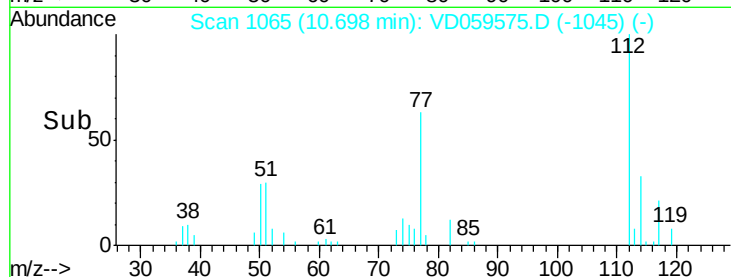
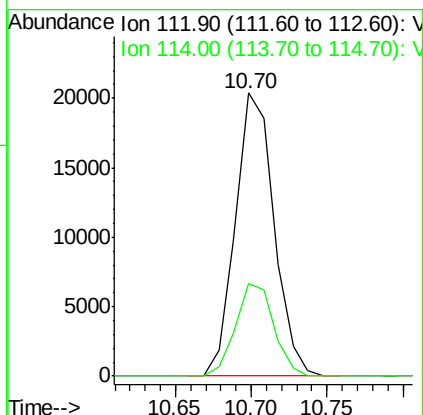
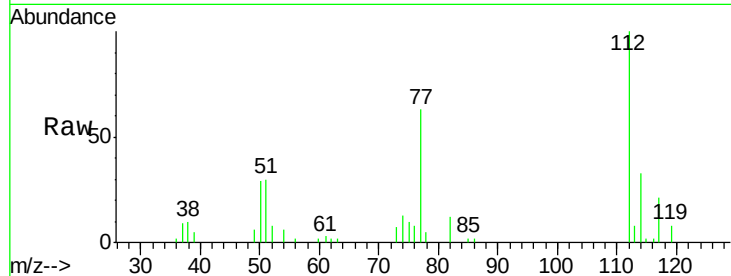




#65
Chlorobenzene
Concen: 11.744 ug/l
RT: 10.70 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

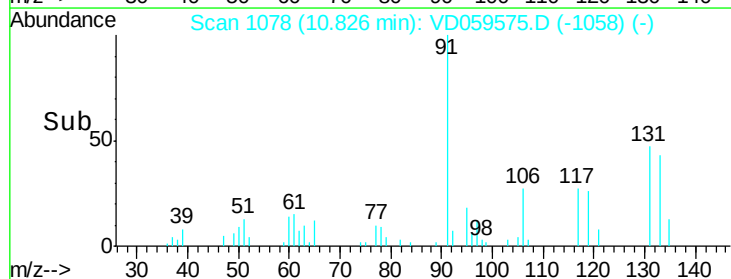
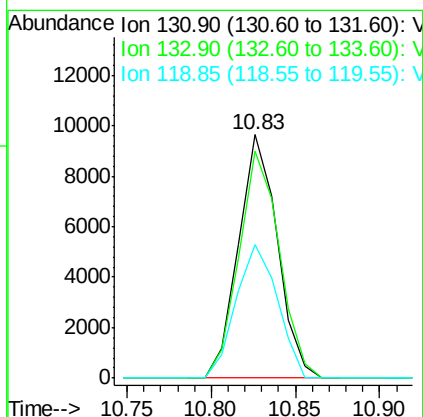
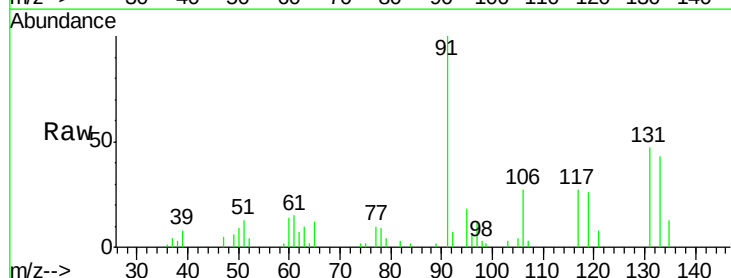
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

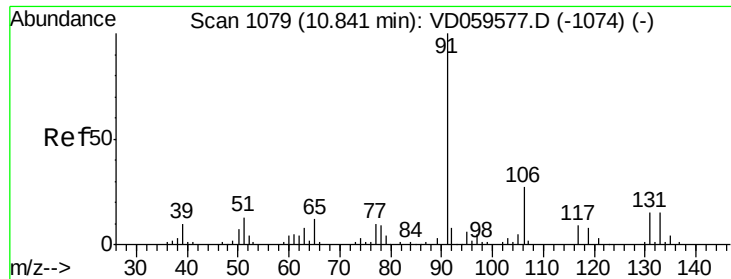
Tgt Ion:112 Resp: 36071
Ion Ratio Lower Upper
112 100
114 32.6 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 11.758 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion:131 Resp: 15386
Ion Ratio Lower Upper
131 100
133 93.1 47.9 143.7
119 55.0 28.7 86.1

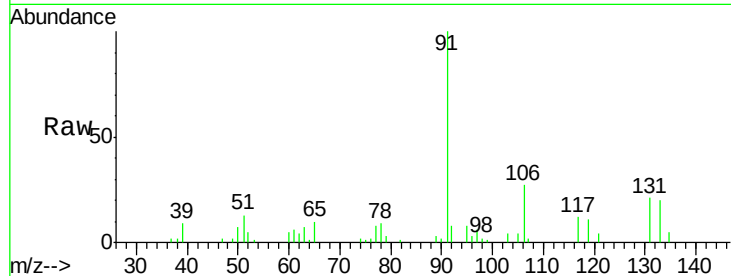




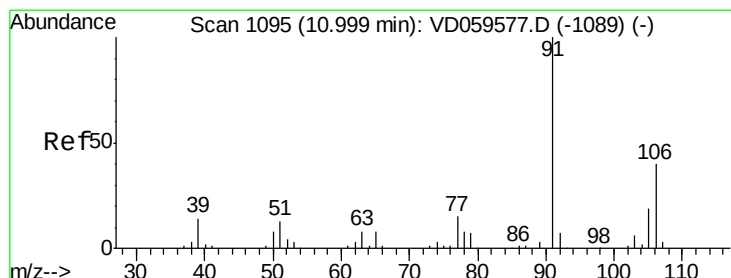
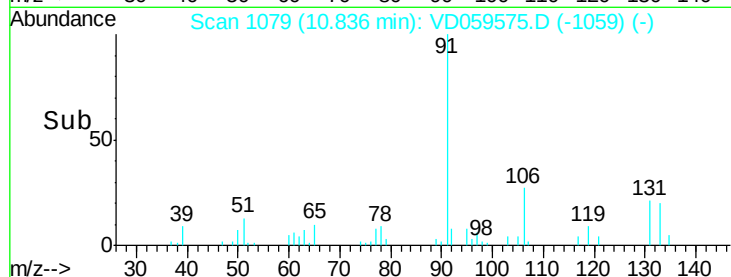
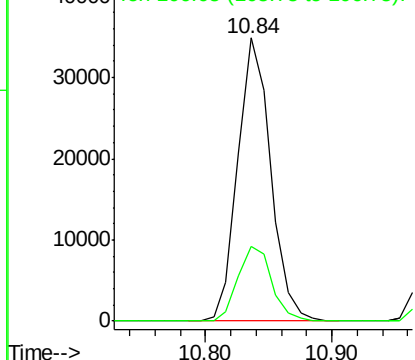
#67
Ethyl Benzene
Concen: 13.663 ug/l
RT: 10.84 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 91 Resp: 62784
Ion Ratio Lower Upper
91 100
106 26.6 21.6 32.4

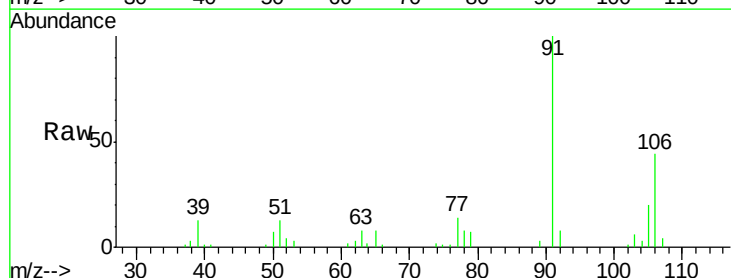


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

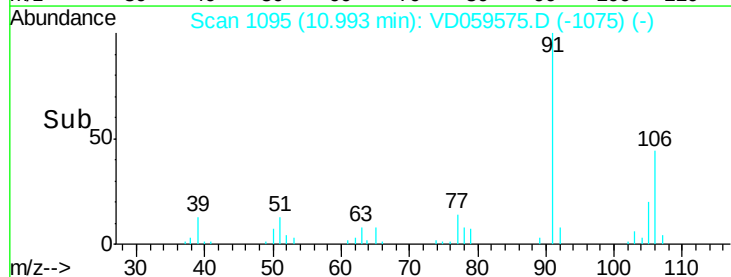
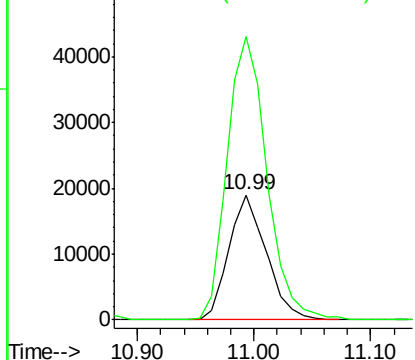


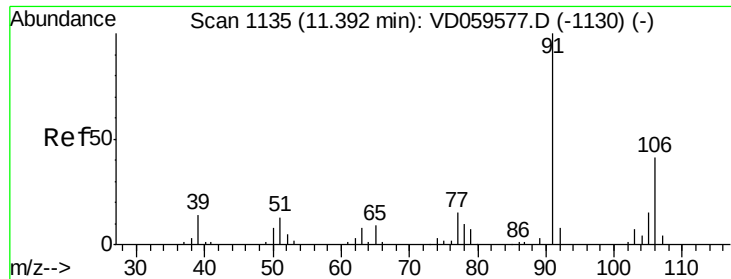
#68
m/p-Xylenes
Concen: 25.201 ug/l
RT: 10.99 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion: 106 Resp: 42258
Ion Ratio Lower Upper
106 100
91 226.2 198.2 297.4



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

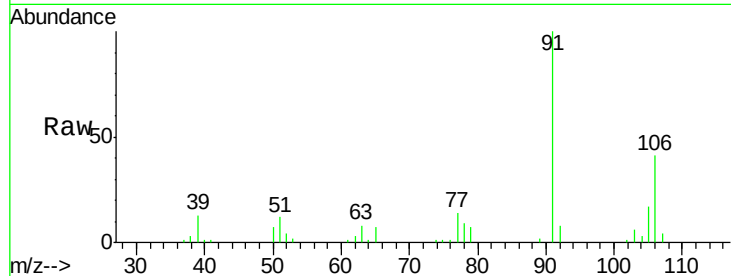




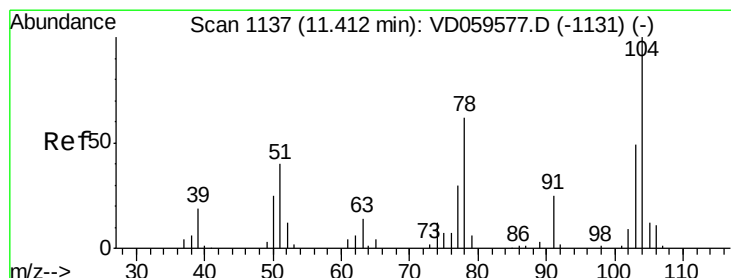
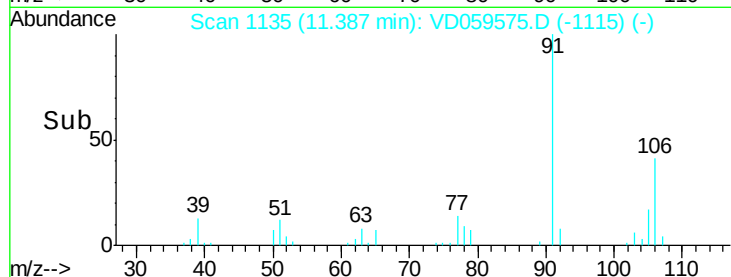
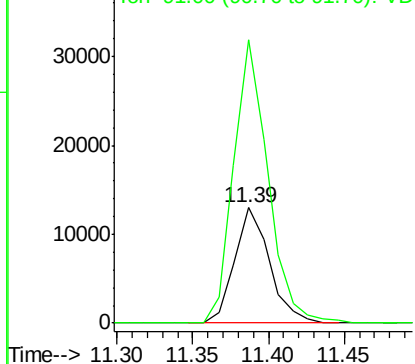
#69
o-Xylene
Concen: 12.685 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 20695
Ion Ratio Lower Upper
106 100
91 245.4 122.7 368.1

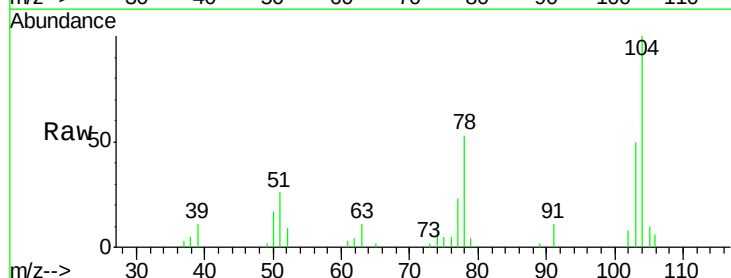


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

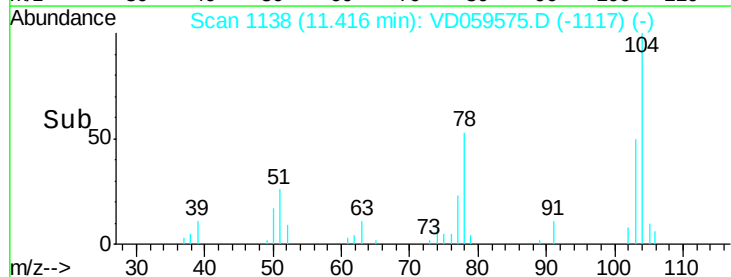
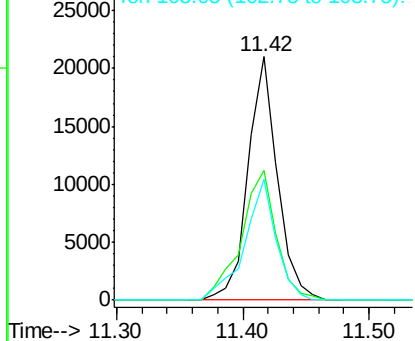


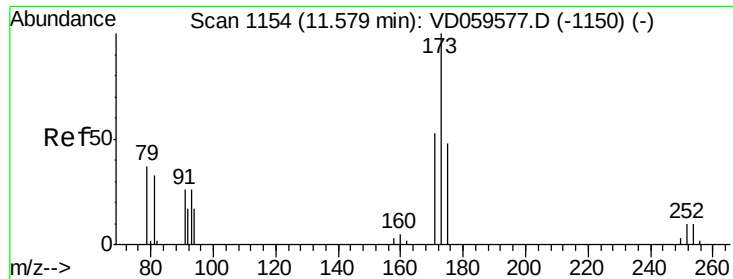
#70
Styrene
Concen: 12.626 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion:104 Resp: 34039
Ion Ratio Lower Upper
104 100
78 53.2 49.4 74.0
103 49.6 39.0 58.6



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





#71

Bromoform

Concen: 9.244 ug/l

RT: 11.58 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

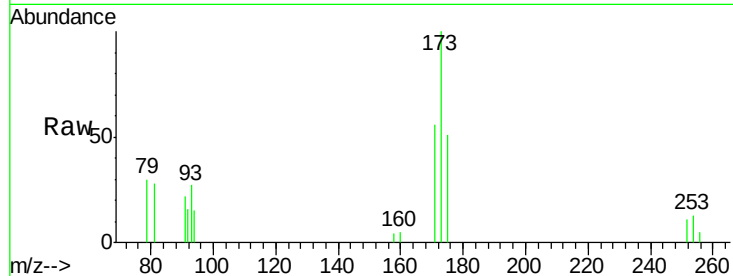
Tgt Ion:173 Resp: 11158

Ion Ratio Lower Upper

173 100

175 50.8 23.8 71.4

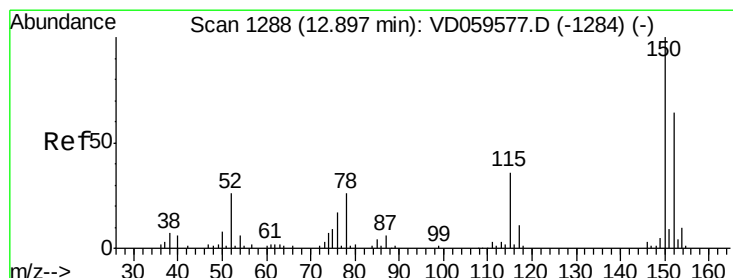
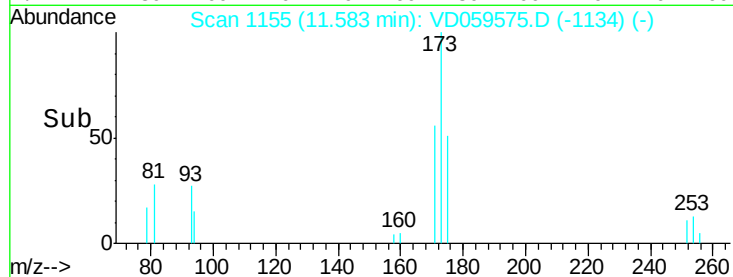
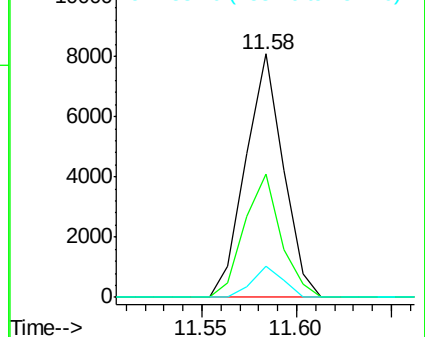
254 12.7 7.8 11.6#



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: VD059575.D

Acq: 24 Jul 2018 17:17

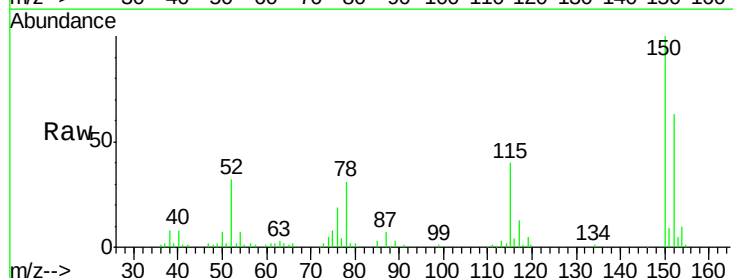
Tgt Ion:152 Resp: 76970

Ion Ratio Lower Upper

152 100

115 63.7 29.5 88.6

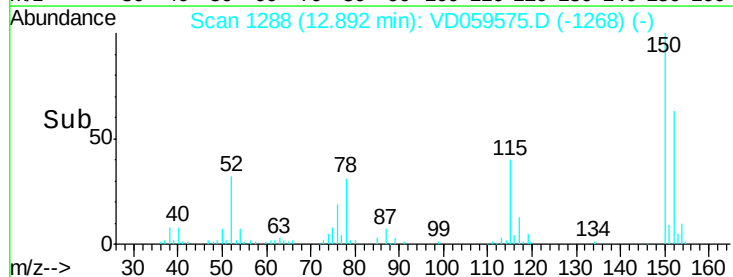
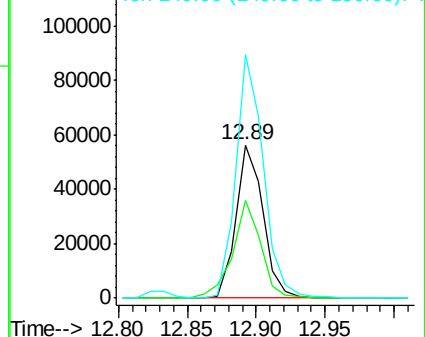
150 158.8 0.0 314.4

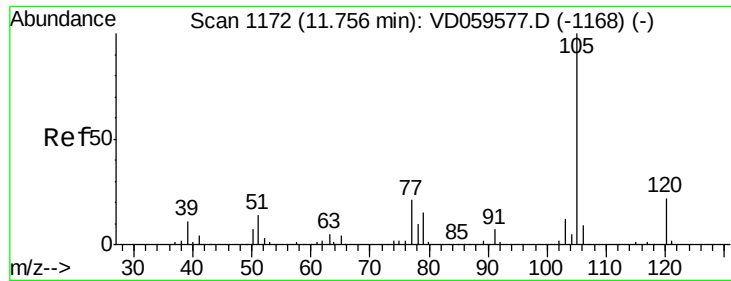


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 14.820 ug/l

RT: 11.76 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

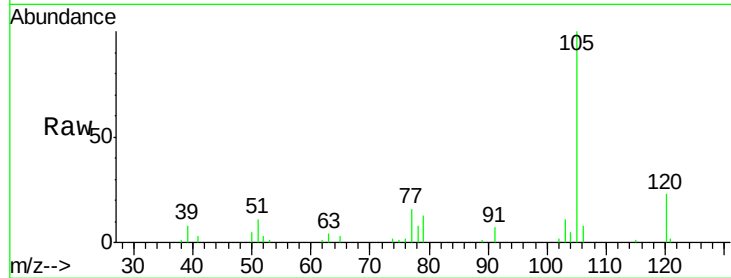
VSTDIC010

Tgt Ion: 105 Resp: 61126

Ion Ratio Lower Upper

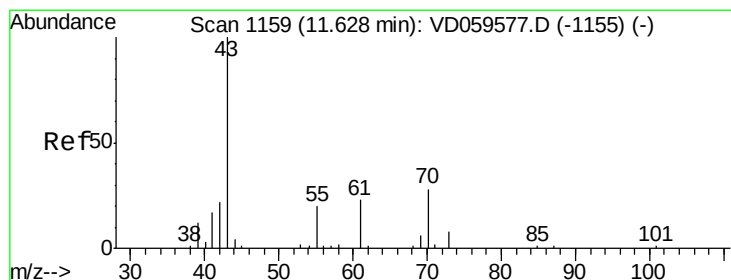
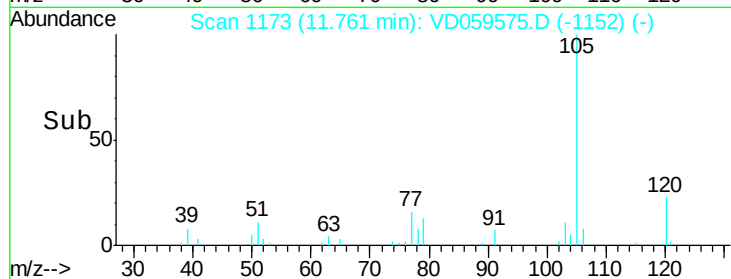
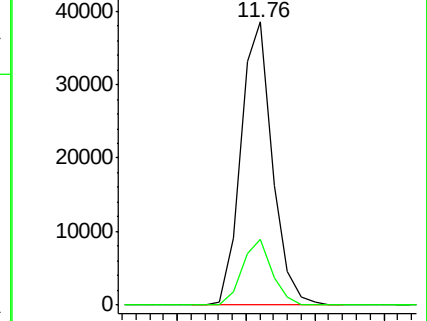
105 100

120 23.2 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: 18.804 ug/l

RT: 11.63 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Tgt Ion: 43 Resp: 20740

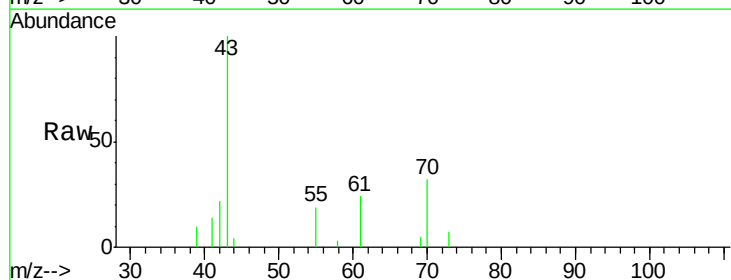
Ion Ratio Lower Upper

43 100

70 31.9 22.0 33.0

55 18.8 16.2 24.2

61 23.8 18.6 27.8

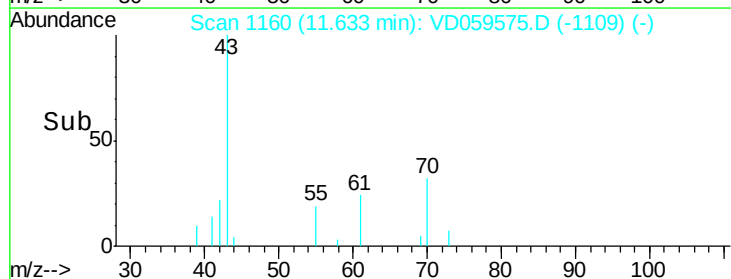
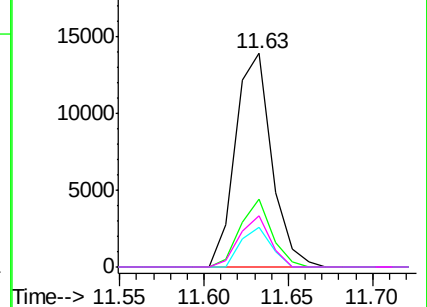


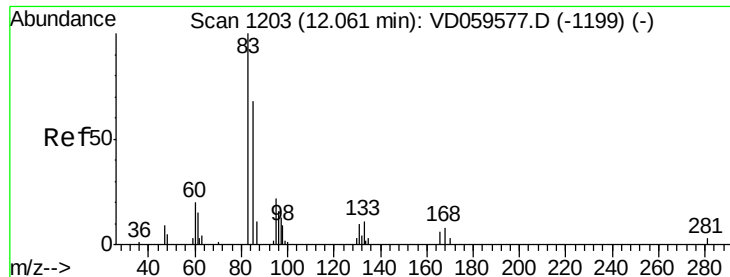
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 14.395 ug/l

RT: 12.06 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

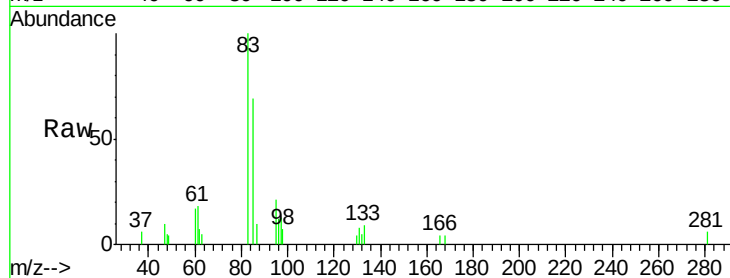
Tgt Ion: 83 Resp: 11964

Ion Ratio Lower Upper

83 100

131 7.8 5.1 15.2

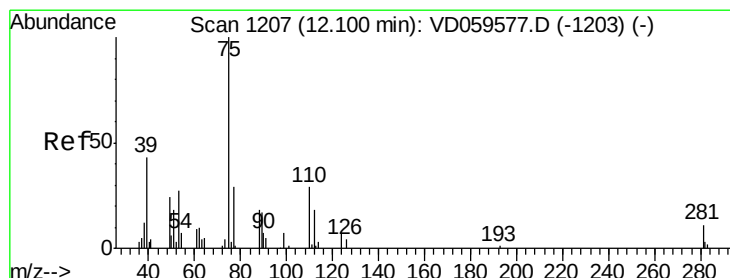
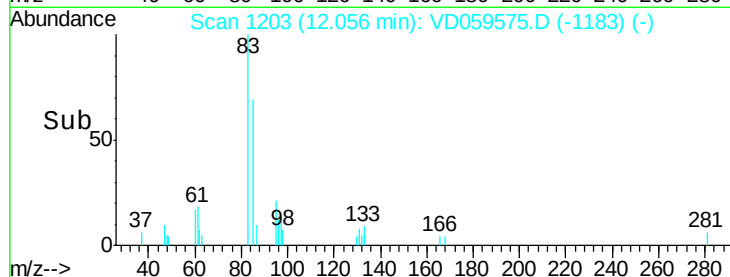
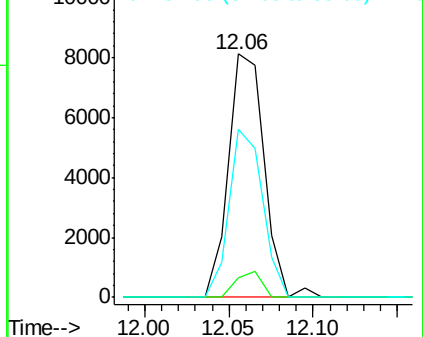
85 69.0 34.1 102.3



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 16.435 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.01 min

Lab File: VD059575.D

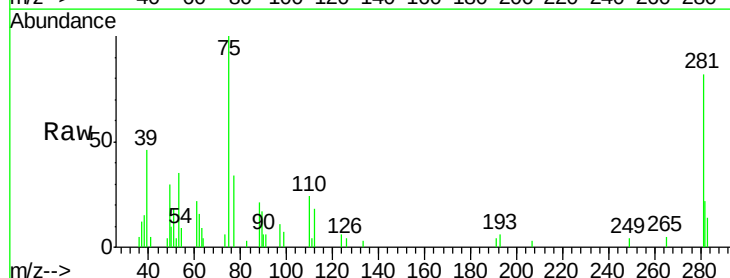
Acq: 24 Jul 2018 17:17

Tgt Ion: 75 Resp: 14079

Ion Ratio Lower Upper

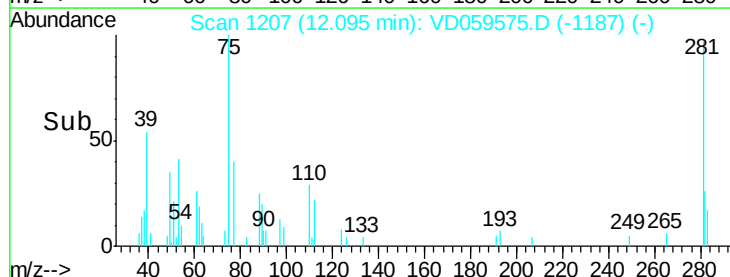
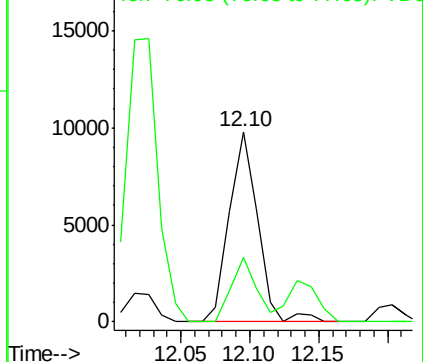
75 100

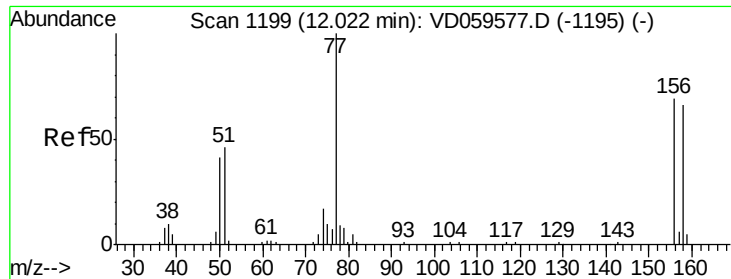
77 33.7 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 11.040 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

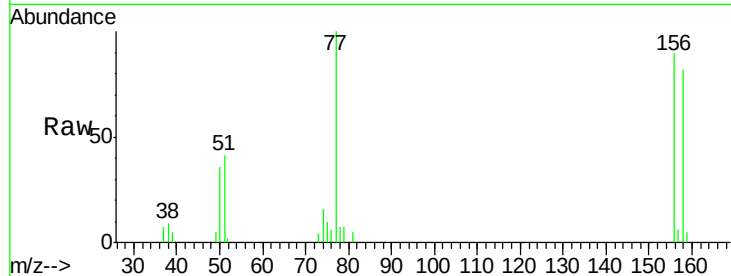
Tgt Ion:156 Resp: 17788

Ion Ratio Lower Upper

156 100

77 111.6 72.4 217.2

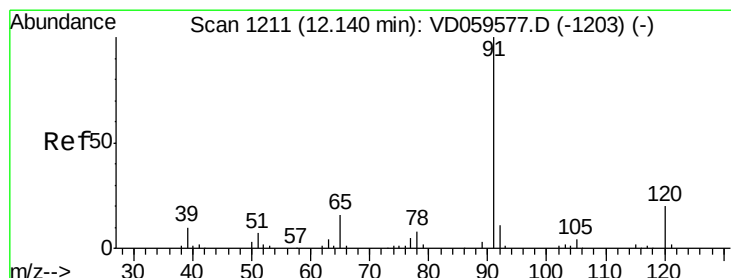
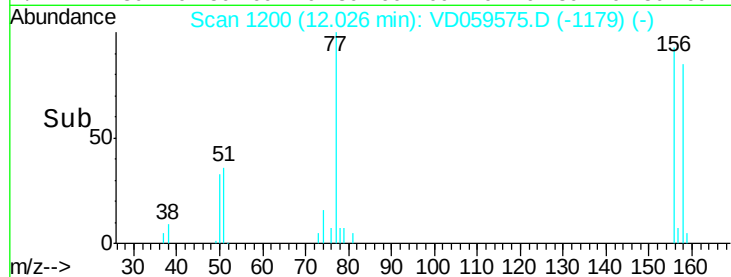
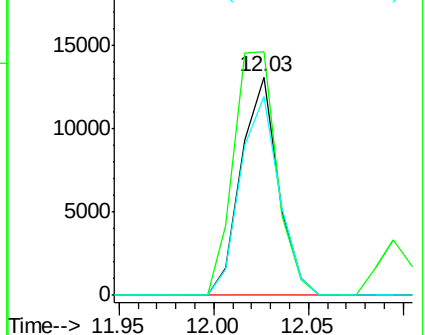
158 91.3 48.0 144.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 15.902 ug/l

RT: 12.13 min Scan# 1211

Delta R.T. -0.01 min

Lab File: VD059575.D

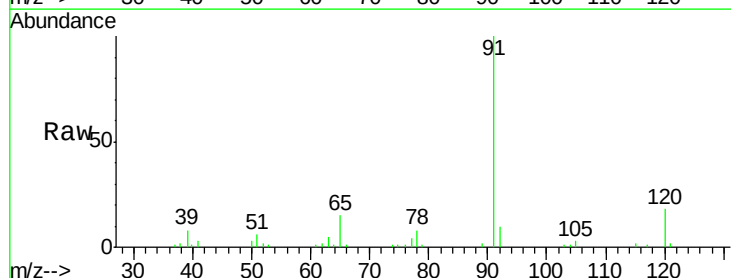
Acq: 24 Jul 2018 17:17

Tgt Ion: 91 Resp: 75904

Ion Ratio Lower Upper

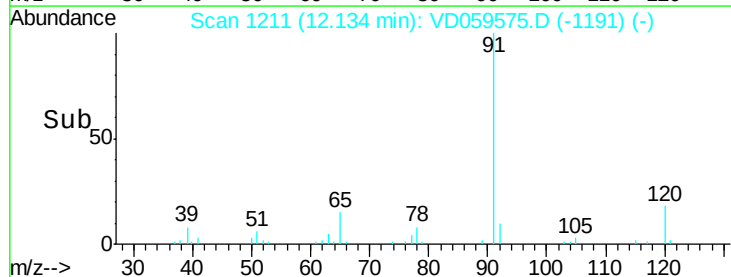
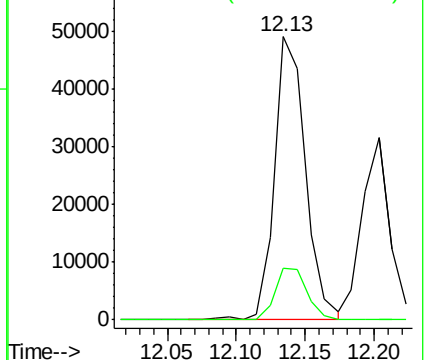
91 100

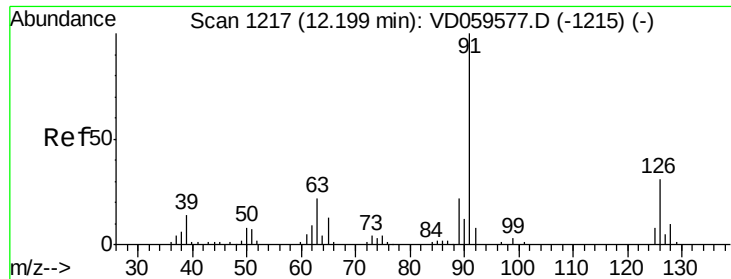
120 18.4 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

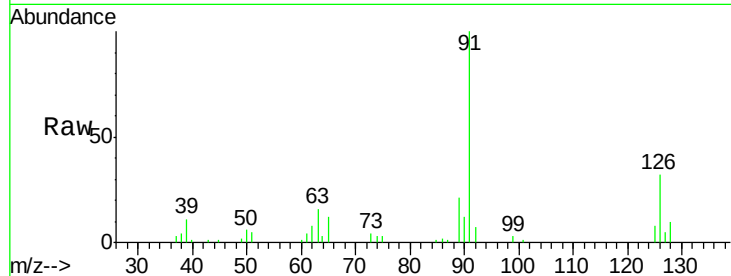




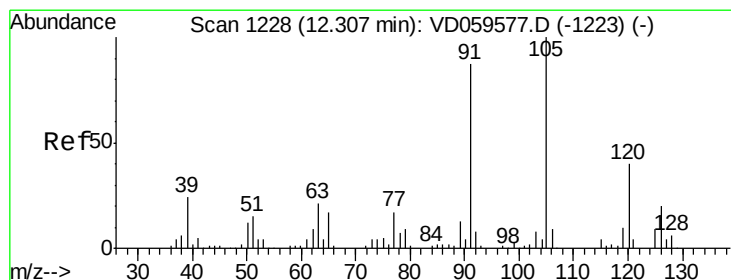
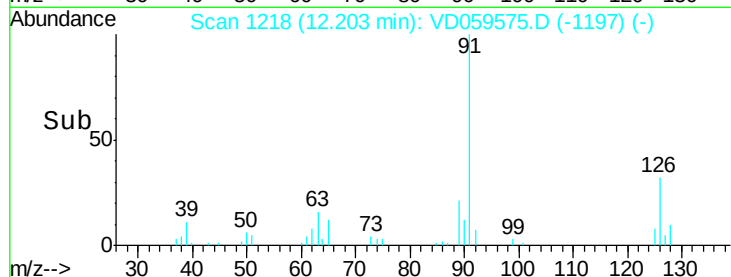
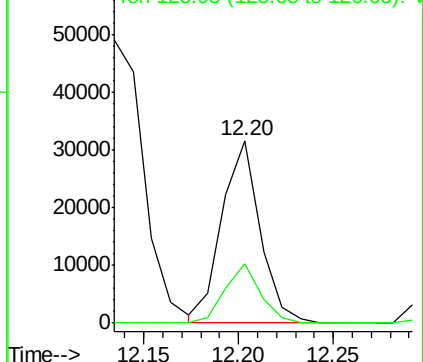
#79
 2-Chlorotoluene
 Concen: 15.609 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 91 Resp: 44344
 Ion Ratio Lower Upper
 91 100
 126 32.4 14.5 43.6

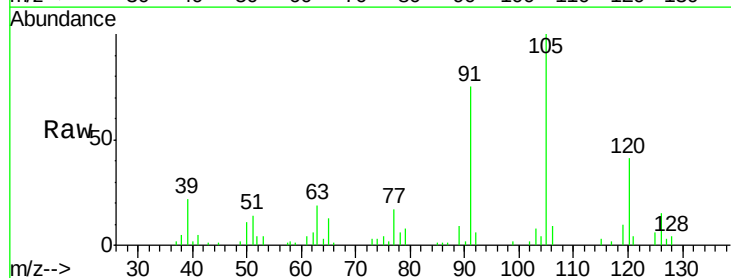


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

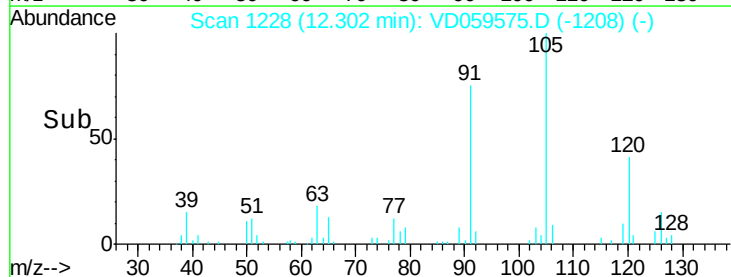
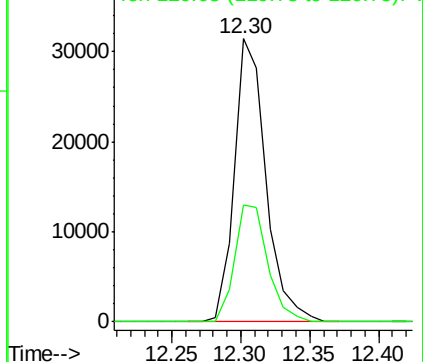


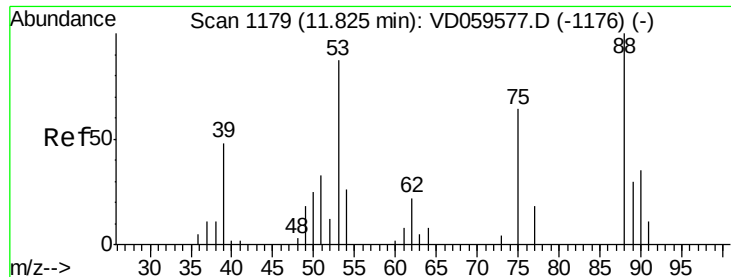
#80
 1,3,5-Trimethylbenzene
 Concen: 15.666 ug/l
 RT: 12.30 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 105 Resp: 49985
 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

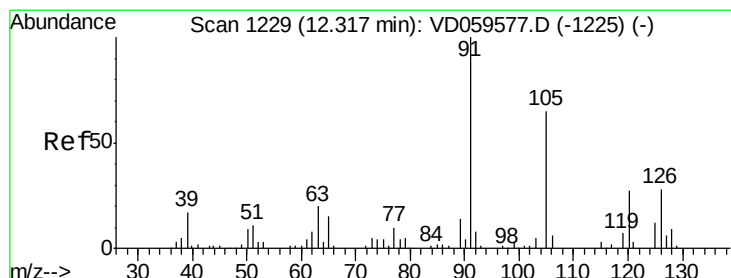
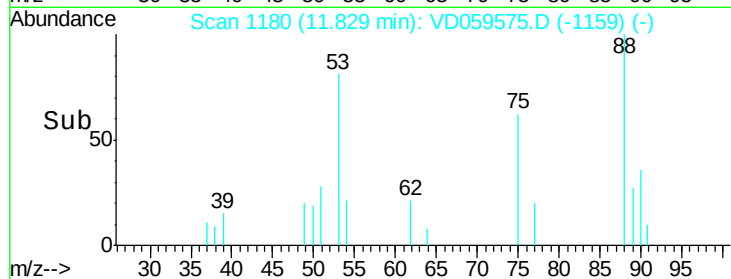
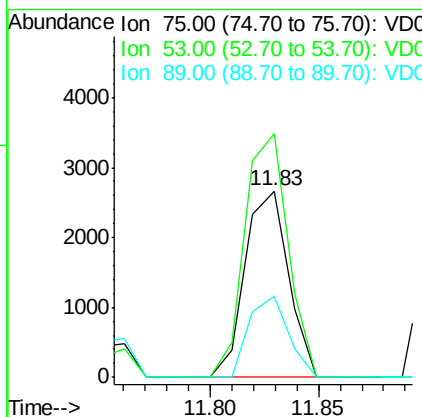
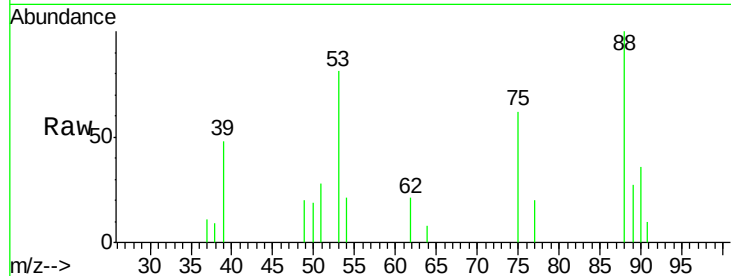




#81
 trans-1,4-Dichloro-2-butene
 Concen: 20.034 ug/l
 RT: 11.83 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

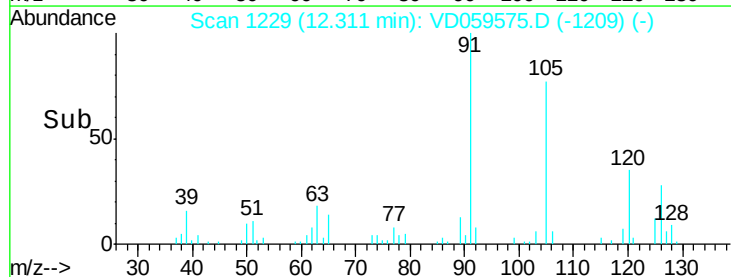
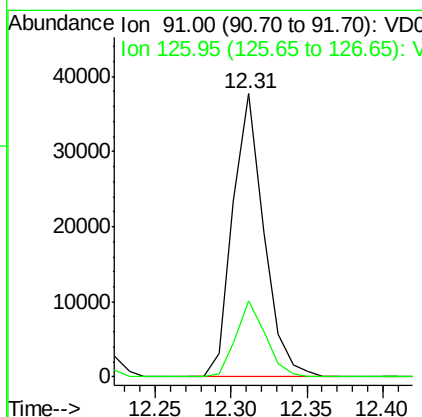
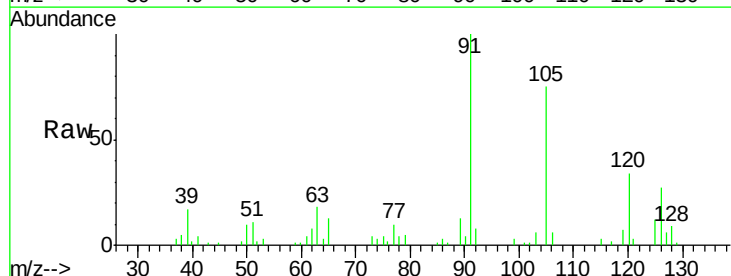
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

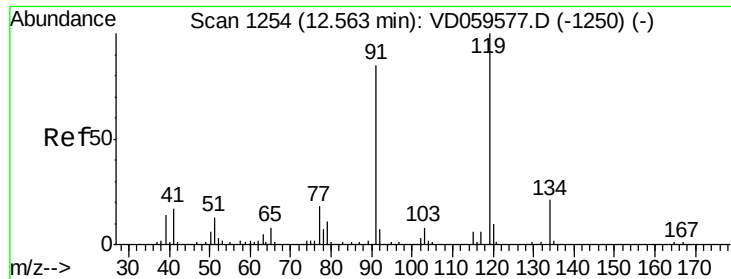
Tgt Ion: 75 Resp: 3752
 Ion Ratio Lower Upper
 75 100
 53 130.9 107.7 161.5
 89 43.9 37.3 55.9



#82
 4-Chlorotoluene
 Concen: 17.082 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 91 Resp: 53969
 Ion Ratio Lower Upper
 91 100
 126 27.0 14.1 42.4

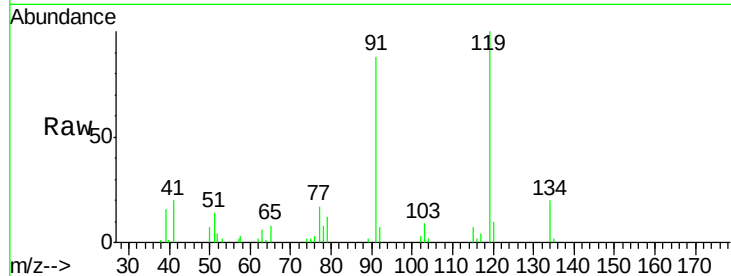




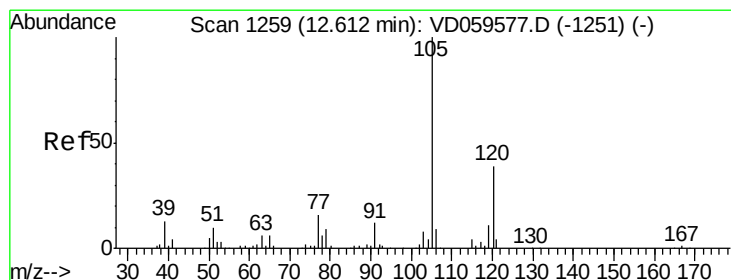
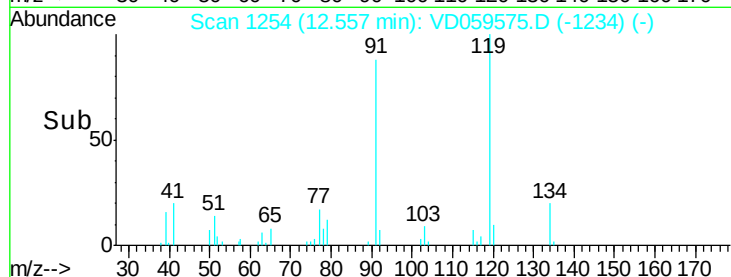
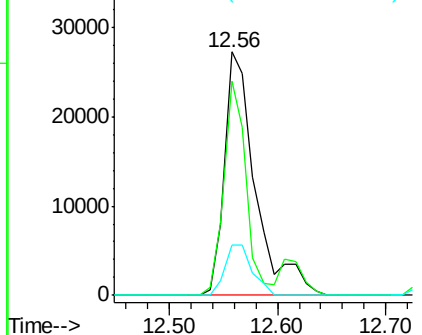
#83
 tert-Butylbenzene
 Concen: 15.582 ug/l
 RT: 12.56 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:119 Resp: 54453
 Ion Ratio Lower Upper
 119 100
 91 87.9 42.5 127.5
 134 20.5 10.5 31.6

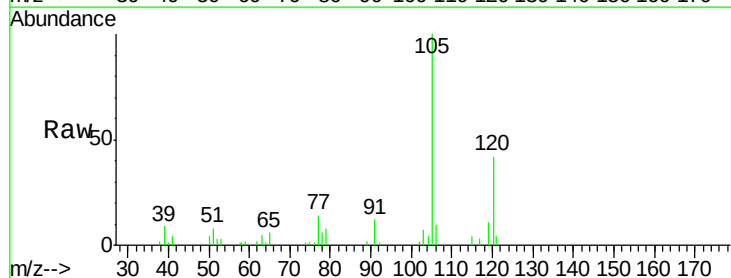


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

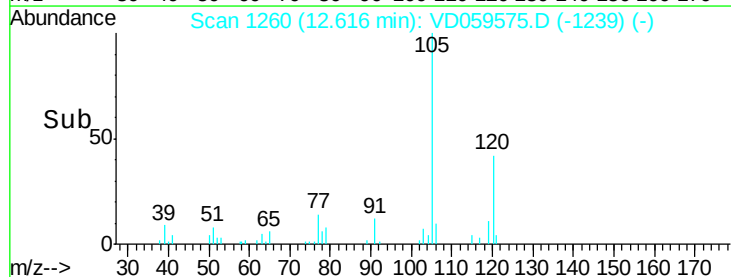
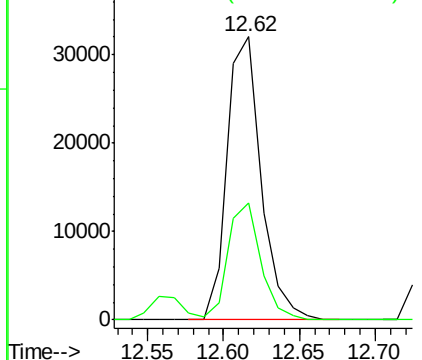


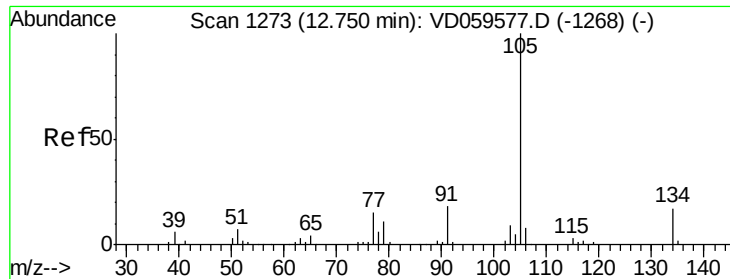
#84
 1,2,4-Trimethylbenzene
 Concen: 15.074 ug/l
 RT: 12.62 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion:105 Resp: 49941
 Ion Ratio Lower Upper
 105 100
 120 41.5 19.3 57.9



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

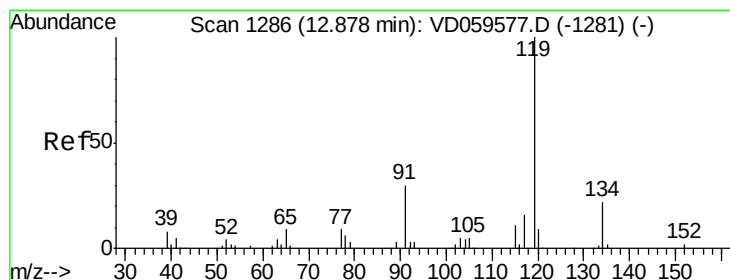
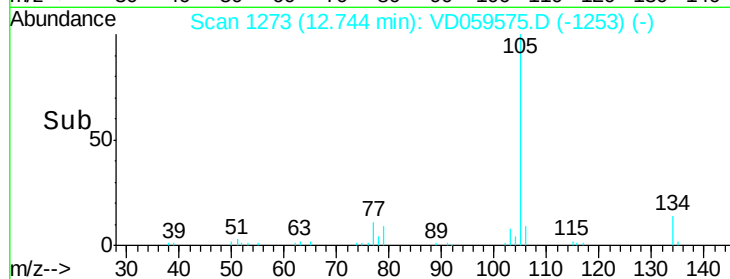
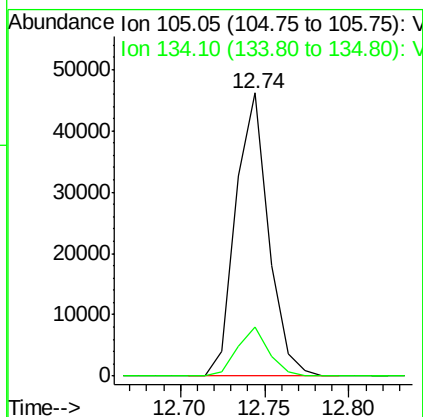
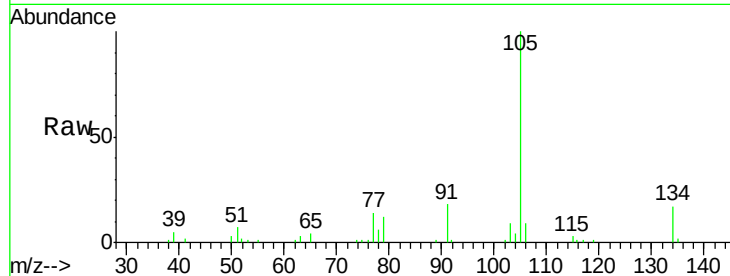




#85
 sec-Butylbenzene
 Concen: 15.748 ug/l
 RT: 12.74 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

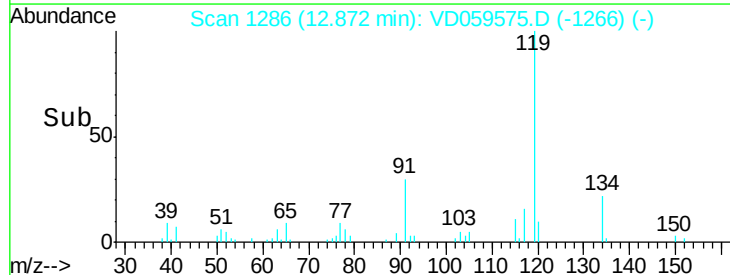
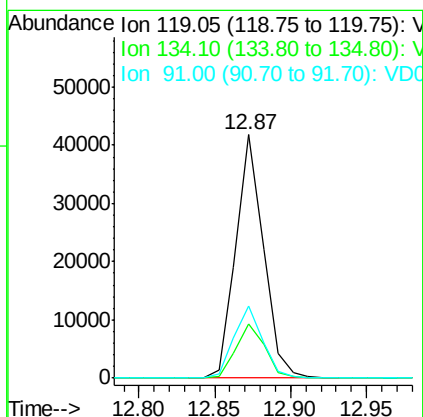
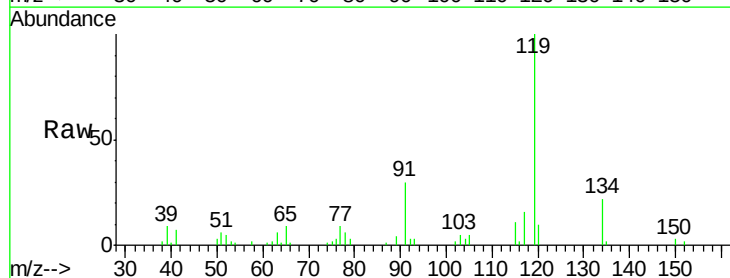
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

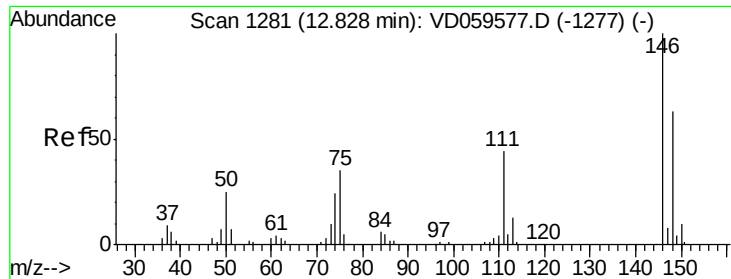
Tgt Ion:105 Resp: 62123
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.8 26.2



#86
 p-Isopropyltoluene
 Concen: 14.694 ug/l
 RT: 12.87 min Scan# 1286
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion:119 Resp: 53041
 Ion Ratio Lower Upper
 119 100
 134 22.2 11.2 33.6
 91 29.7 15.0 45.1

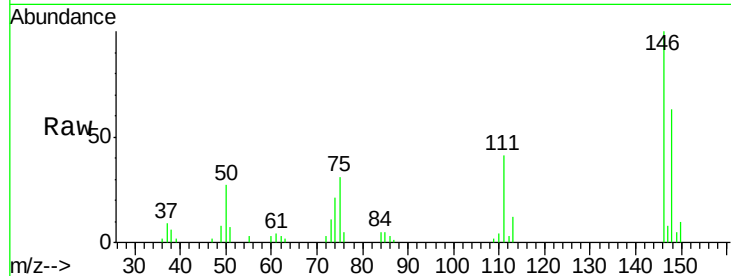




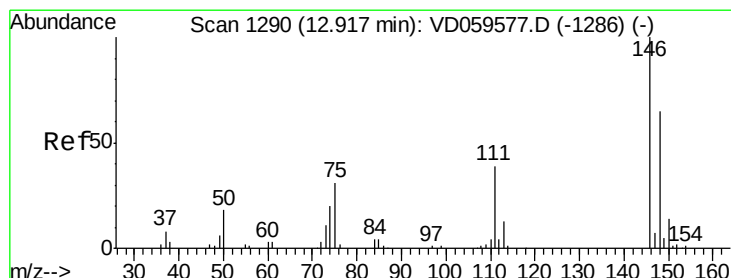
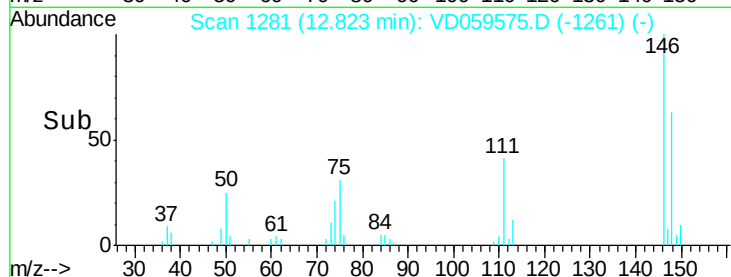
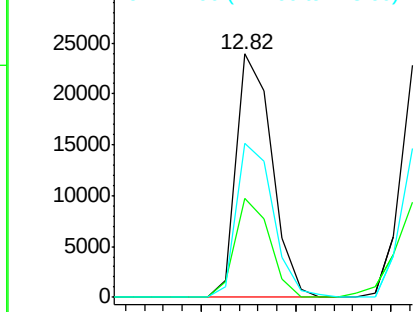
#87
 1,3-Dichlorobenzene
 Concen: 11.901 ug/l
 RT: 12.82 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:146 Resp: 31045
 Ion Ratio Lower Upper
 146 100
 111 40.9 22.2 66.6
 148 63.1 31.8 95.3

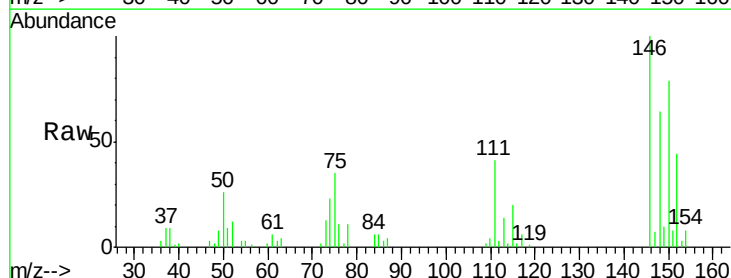


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

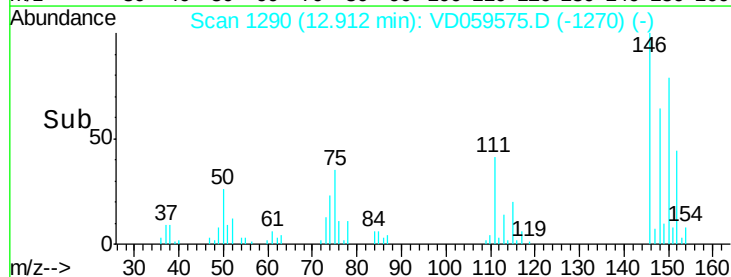
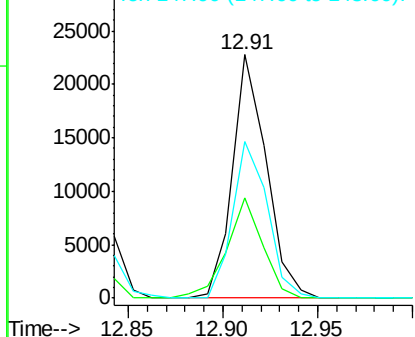


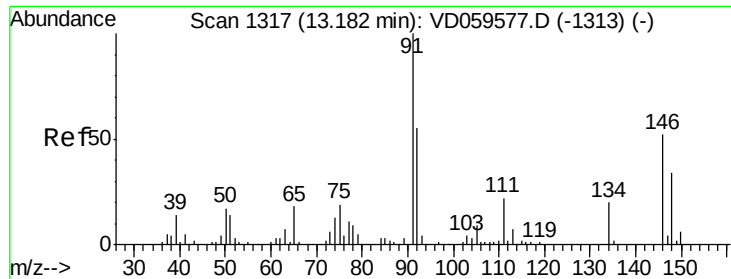
#88
 1,4-Dichlorobenzene
 Concen: 10.982 ug/l
 RT: 12.91 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion:146 Resp: 28075
 Ion Ratio Lower Upper
 146 100
 111 41.2 19.3 57.9
 148 64.3 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

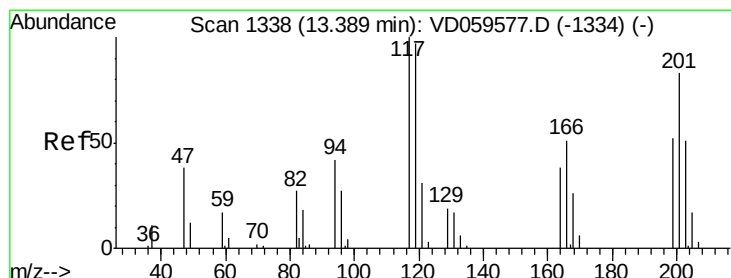
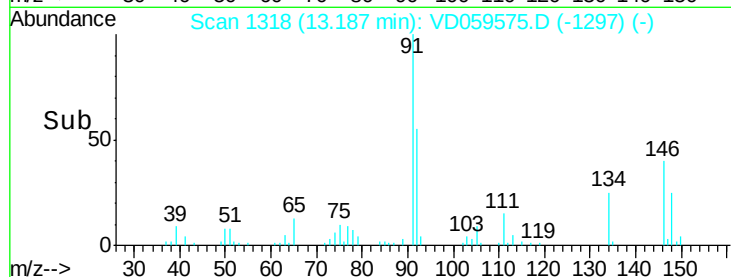
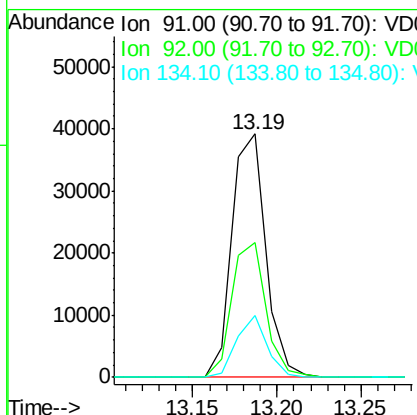
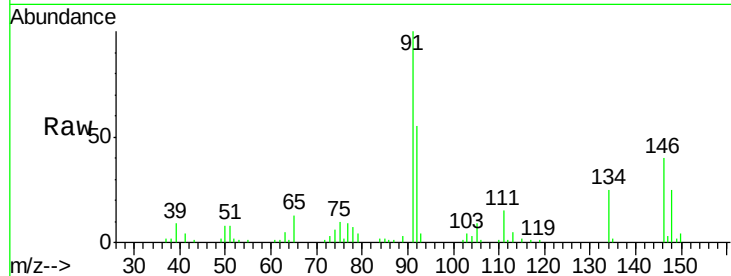




#89
n-Butylbenzene
Concen: 18.081 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

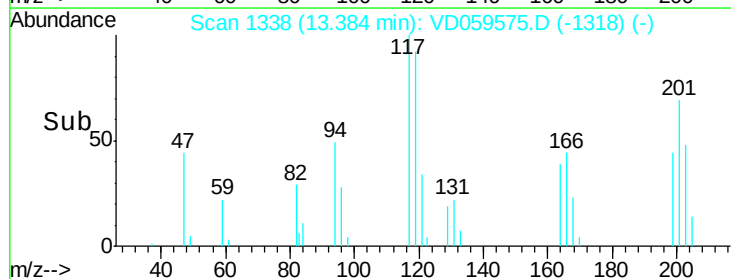
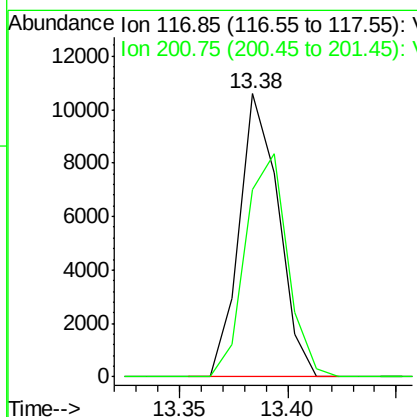
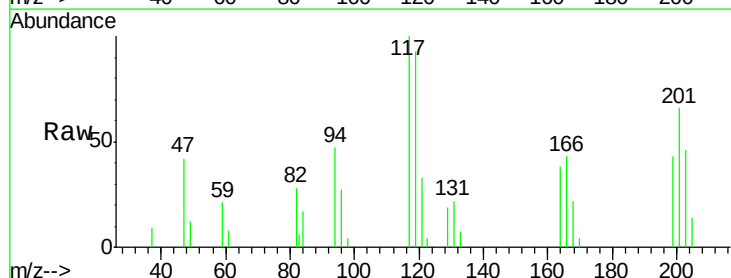
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

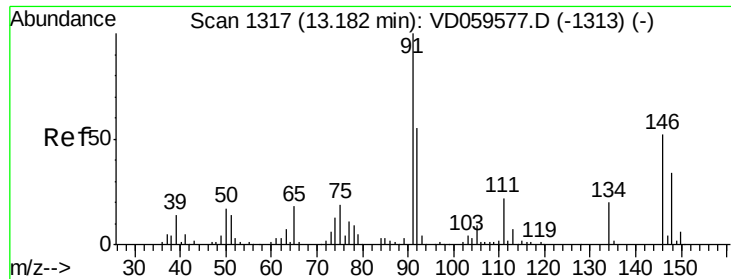
Tgt Ion: 91 Resp: 54542
Ion Ratio Lower Upper
91 100
92 55.2 27.6 82.7
134 25.2 10.1 30.3



#90
Hexachloroethane
Concen: 13.874 ug/l
RT: 13.38 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VD059575.D
Acq: 24 Jul 2018 17:17

Tgt Ion: 117 Resp: 13412
Ion Ratio Lower Upper
117 100
201 66.3 41.5 124.5

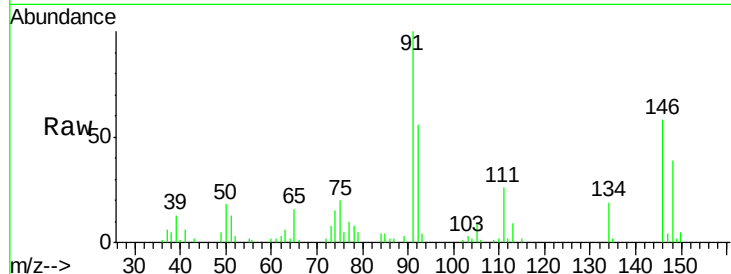




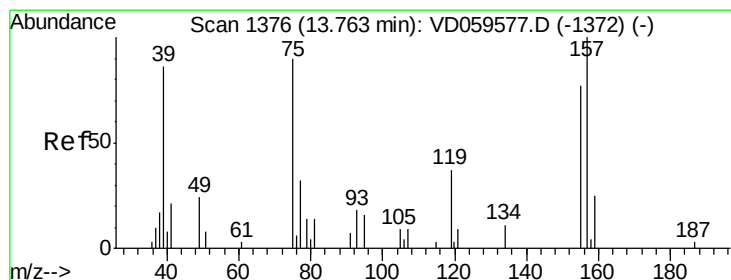
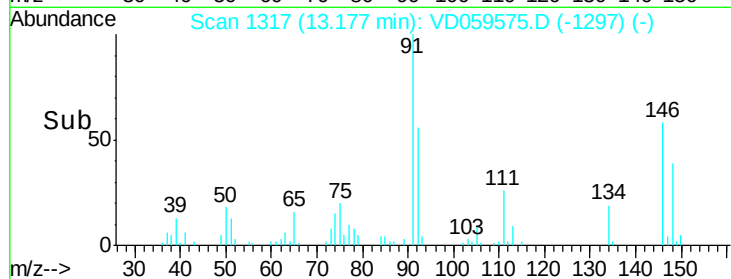
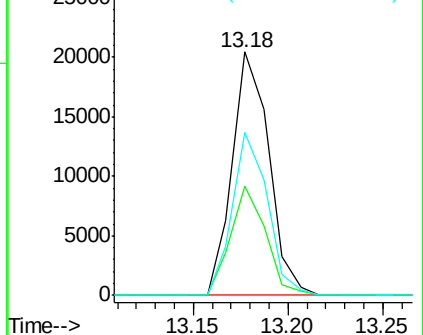
#91
 1,2-Dichlorobenzene
 Concen: 12.654 ug/l
 RT: 13.18 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tgt Ion: 146 Resp: 27300
 Ion Ratio Lower Upper
 146 100
 111 44.9 21.4 64.3
 148 66.7 32.6 98.0

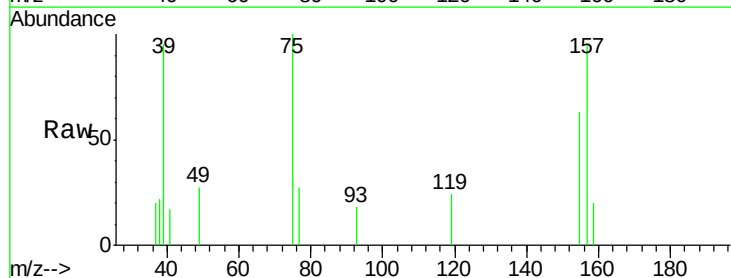


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

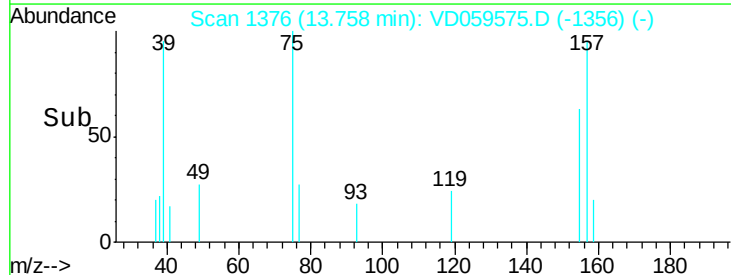
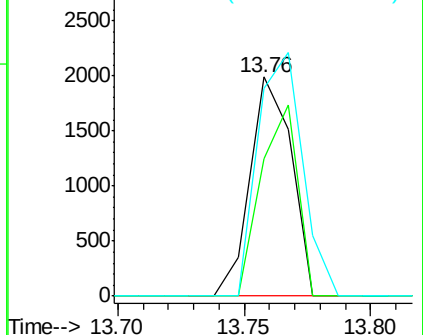


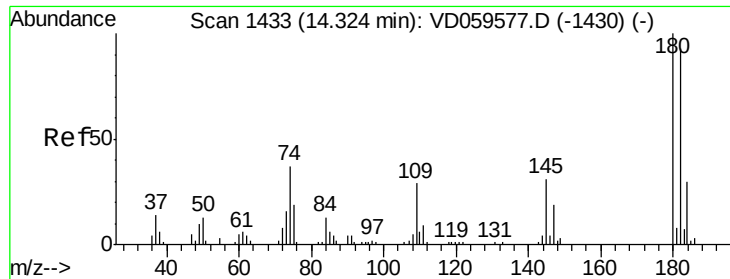
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.365 ug/l
 RT: 13.76 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion: 75 Resp: 2281
 Ion Ratio Lower Upper
 75 100
 155 62.6 42.5 127.5
 157 94.7 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

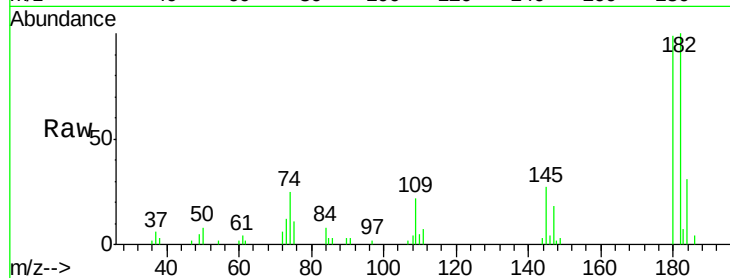




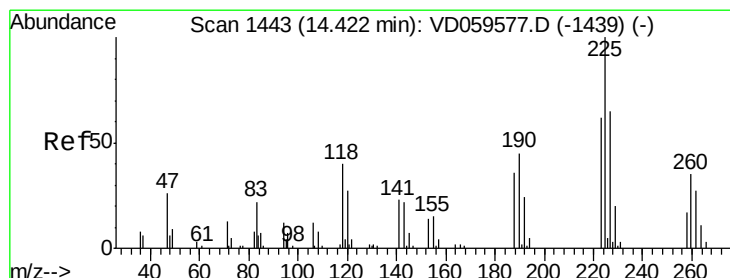
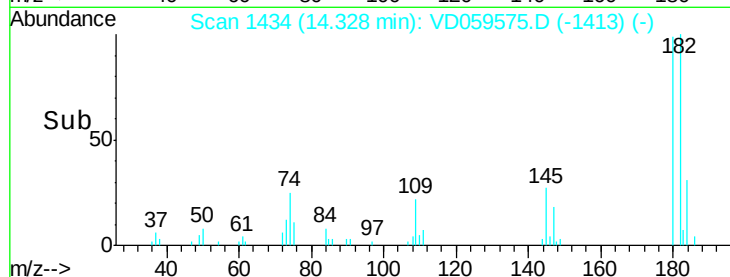
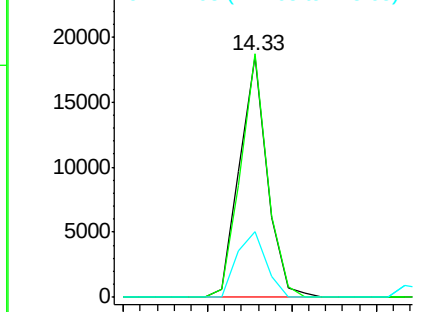
#93
 1,2,4-Trichlorobenzene
 Concen: 11.336 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 21249
 Ion Ratio Lower Upper
 180 100
 182 100.7 46.4 139.2
 145 27.3 15.7 47.0

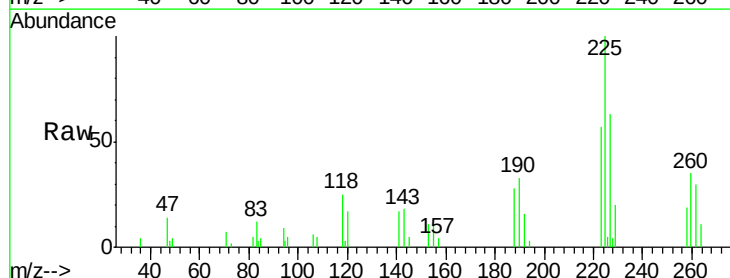


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

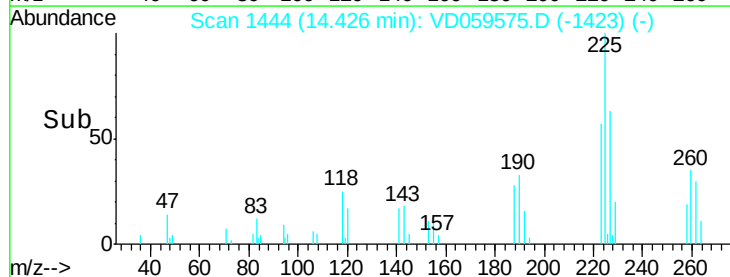
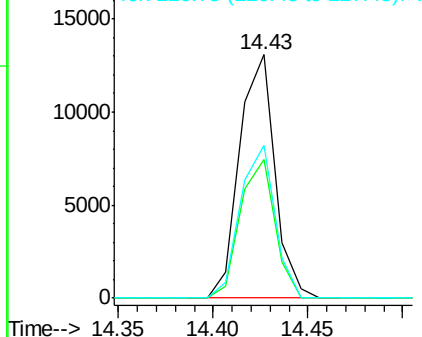


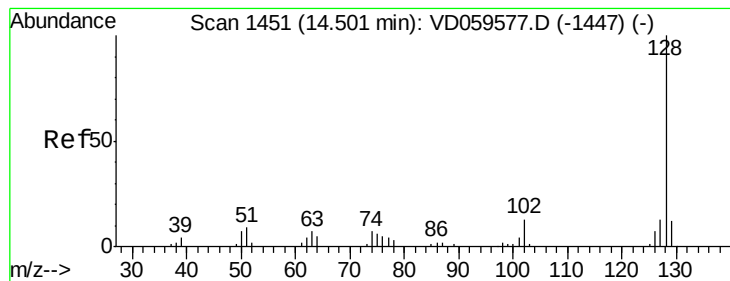
#94
 Hexachlorobutadiene
 Concen: 12.229 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VD059575.D
 Acq: 24 Jul 2018 17:17

Tgt Ion:225 Resp: 16836
 Ion Ratio Lower Upper
 225 100
 223 56.9 31.1 93.5
 227 62.7 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: 12.875 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

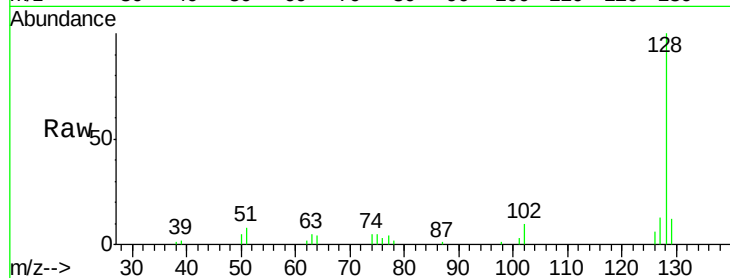
Tgt Ion:128 Resp: 29240

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

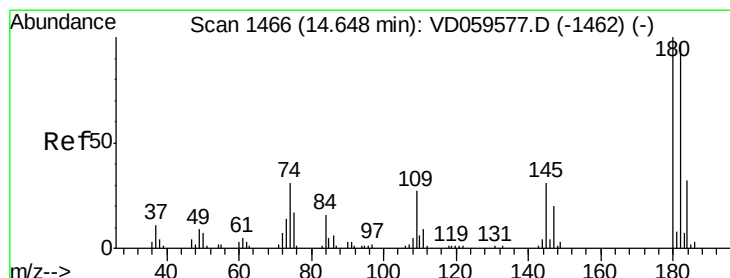
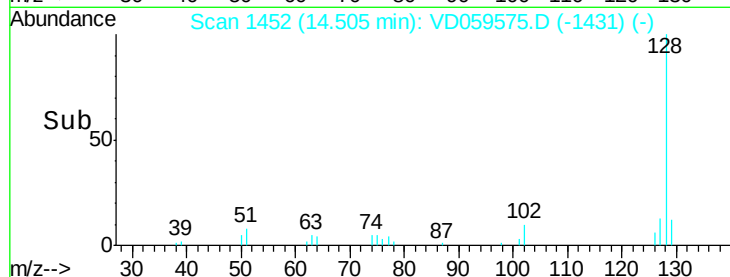
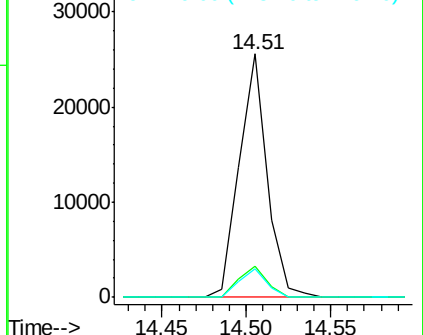
129 11.6 9.3 13.9



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: 11.325 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. 0.00 min

Lab File: VD059575.D

Acq: 24 Jul 2018 17:17

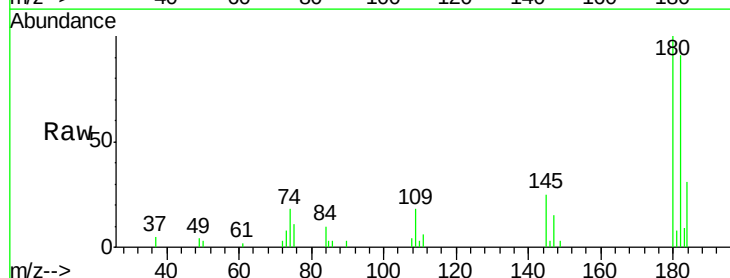
Tgt Ion:180 Resp: 18894

Ion Ratio Lower Upper

180 100

182 91.3 48.6 145.9

145 25.3 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

