

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059580.D
 Acq On : 24 Jul 2018 19:44
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 25 05:42:09 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	143639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.66	114	190563	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.67	117	142663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.89	152	71058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.98	65	271157	262.10	ug/l	0.00
Spiked Amount			Recovery	=	524.20%	
35) Dibromofluoromethane	5.51	113	237971	160.52	ug/l	0.00
Spiked Amount			Recovery	=	321.04%	
50) Toluene-d8	8.68	98	483348	143.51	ug/l	0.00
Spiked Amount			Recovery	=	287.02%	
62) 4-Bromofluorobenzene	11.92	95	230517	170.19	ug/l	0.00
Spiked Amount			Recovery	=	340.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.31	85	214758	188.636	ug/l	96
3) Chloromethane	1.45	50	116501	202.946	ug/l	96
4) Vinyl Chloride	1.52	62	125818	225.618	ug/l	97
5) Bromomethane	1.75	94	26930	309.251	ug/l	87
6) Chloroethane	1.82	64	10455	50.158	ug/l	99
7) Trichlorofluoromethane	2.02	101	216879	216.522	ug/l	98
8) Diethyl Ether	2.31	74	47549	275.253	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.50	101	120165	221.406	ug/l	95
10) Methyl Iodide	2.64	142	166615	234.212	ug/l	96
11) Tert butyl alcohol	3.27	59	63612	1870.698	ug/l #	95
12) 1,1-Dichloroethene	2.49	96	92657	215.538	ug/l	96
13) Acrolein	2.44	56	28012	804.889	ug/l	87
14) Allyl chloride	2.87	41	218923	277.069	ug/l	95
15) Acrylonitrile	3.32	53	126747	1472.782	ug/l	97
16) Acetone	2.58	43	203044	1599.054	ug/l	100
17) Carbon Disulfide	2.70	76	373920	246.751	ug/l	99
18) Methyl Acetate	2.90	43	90690	233.954	ug/l	99
19) Methyl tert-butyl Ether	3.36	73	297576	200.055	ug/l	99
20) Methylene Chloride	3.02	84	105862	173.257	ug/l	88
21) trans-1,2-Dichloroethene	3.33	96	102543	192.264	ug/l	89
22) Diisopropyl ether	4.03	45	511650	197.497	ug/l	100
23) Vinyl Acetate	3.97	43	1614440	1210.755	ug/l	98
24) 1,1-Dichloroethane	3.91	63	335140	193.854	ug/l	99
25) 2-Butanone	4.81	43	295132	1180.459	ug/l	99
26) 2,2-Dichloropropane	4.75	77	338240	291.522	ug/l	96
27) cis-1,2-Dichloroethene	4.75	96	170410	159.101	ug/l	87
28) Bromochloromethane	5.10	49	134977	215.023	ug/l	97
29) Tetrahydrofuran	5.15	42	135528	1095.728	ug/l	99
30) Chloroform	5.28	83	401689	202.245	ug/l	98
31) Cyclohexane	5.55	56	213189	178.624	ug/l	94
32) 1,1,1-Trichloroethane	5.47	97	402818	226.877	ug/l	99
36) 1,1-Dichloropropene	5.70	75	255689	160.876	ug/l	95
37) Ethyl Acetate	4.89	43	131983	188.156	ug/l	98
38) Carbon Tetrachloride	5.68	117	355752	179.822	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
 Data File : VD059580.D
 Acq On : 24 Jul 2018 19:44
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Quant Time: Jul 25 05:42:09 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	225100	146.105	ug/l	96
40) Benzene	5.97	78	502572	136.254	ug/l	99
41) Methacrylonitrile	5.08	41	65966	187.415	ug/l	95
42) 1,2-Dichloroethane	6.09	62	344991	218.093	ug/l	99
43) Isopropyl Acetate	7.59	43	199819	206.257	ug/l	99
44) Trichloroethene	6.94	130	194558	120.253	ug/l	98
45) 1,2-Dichloropropane	7.32	63	147111	156.946	ug/l	100
46) Dibromomethane	7.42	93	134902	183.618	ug/l	96
47) Bromodichloromethane	7.71	83	319213	185.073	ug/l	96
48) Methyl methacrylate	7.47	41	132026	203.501	ug/l	94
49) 1,4-Dioxane	7.46	88	25505	3698.267	ug/l #	85
51) 4-Methyl-2-Pentanone	8.58	43	618629	951.543	ug/l	99
52) Toluene	8.78	92	324755	136.993	ug/l	93
53) t-1,3-Dichloropropene	9.17	75	277953	201.769	ug/l	99
54) cis-1,3-Dichloropropene	8.33	75	275825	182.128	ug/l	92
55) 1,1,2-Trichloroethane	9.43	97	129939	151.822	ug/l	96
56) Ethyl methacrylate	9.29	69	158679	170.595	ug/l	94
57) 1,3-Dichloropropane	9.64	76	213215	160.505	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.17	63	345651	819.622	ug/l	99
59) 2-Hexanone	9.77	43	470973	1009.209	ug/l	96
60) Dibromochloromethane	9.93	129	244542	159.228	ug/l	98
61) 1,2-Dibromoethane	10.07	107	170425	169.221	ug/l	99
64) Tetrachloroethene	9.49	164	190861	99.750	ug/l	98
65) Chlorobenzene	10.71	112	392053	139.534	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.83	131	180168	150.516	ug/l	98
67) Ethyl Benzene	10.85	91	663263	157.785	ug/l	97
68) m/p-Xylenes	11.00	106	471571	307.430	ug/l	91
69) o-Xylene	11.39	106	220413	147.689	ug/l	92
70) Styrene	11.42	104	368247	149.320	ug/l	98
71) Bromoform	11.59	173	172779	156.471	ug/l	99
73) Isopropylbenzene	11.76	105	692652	181.908	ug/l	98
74) N-amyl acetate	11.63	43	256750	252.156	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.07	83	142627	185.892	ug/l	98
76) 1,2,3-Trichloropropane	12.10	75	169823	214.740	ug/l	98
77) Bromobenzene	12.03	156	203617	136.888	ug/l	93
78) n-propylbenzene	12.15	91	815575	185.077	ug/l	98
79) 2-Chlorotoluene	12.20	91	497601	189.730	ug/l	99
80) 1,3,5-Trimethylbenzene	12.31	105	521251	176.957	ug/l	86
81) trans-1,4-Dichloro-2-buten	11.83	75	47855	276.779	ug/l	92
82) 4-Chlorotoluene	12.31	91	534999	183.428	ug/l	98
83) tert-Butylbenzene	12.57	119	624006	193.420	ug/l	89
84) 1,2,4-Trimethylbenzene	12.62	105	596970	195.177	ug/l	100
85) sec-Butylbenzene	12.75	105	679795	186.659	ug/l	95
86) p-Isopropyltoluene	12.87	119	599882	180.008	ug/l	99
87) 1,3-Dichlorobenzene	12.83	146	318550	132.271	ug/l	98
88) 1,4-Dichlorobenzene	12.91	146	331799	140.590	ug/l	95
89) n-Butylbenzene	13.19	91	544654	195.583	ug/l	96
90) Hexachloroethane	13.39	117	169886	190.361	ug/l	82
91) 1,2-Dichlorobenzene	13.18	146	268936	135.025	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.76	75	34267	266.299	ug/l	74

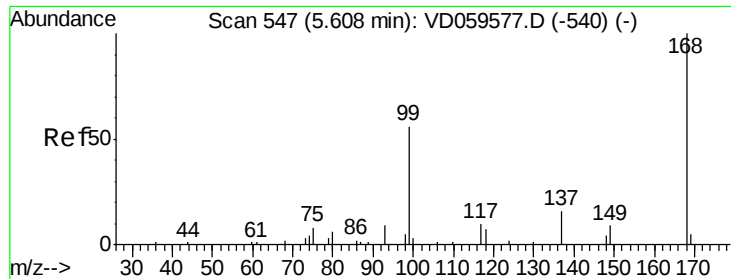
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072418\
Data File : VD059580.D
Acq On : 24 Jul 2018 19:44
Operator : VA/AP
Sample : VSTDICC150
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC150

Quant Time: Jul 25 05:42:09 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)
93) 1,2,4-Trichlorobenzene	14.33	180	243294	140.588	ug/l	96
94) Hexachlorobutadiene	14.43	225	187865	147.813	ug/l	99
95) Naphthalene	14.51	128	350714	167.278	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	223985	145.428	ug/l	98

(#) = 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. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

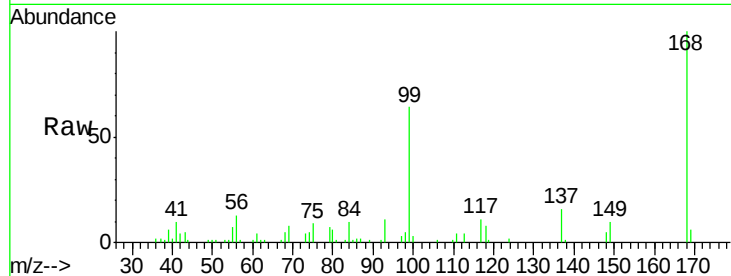
VSTDIC150

Tot Ion:168 Resp: 143639

Ion Ratio Lower Upper

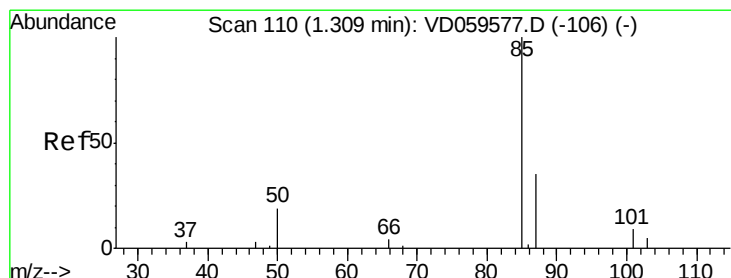
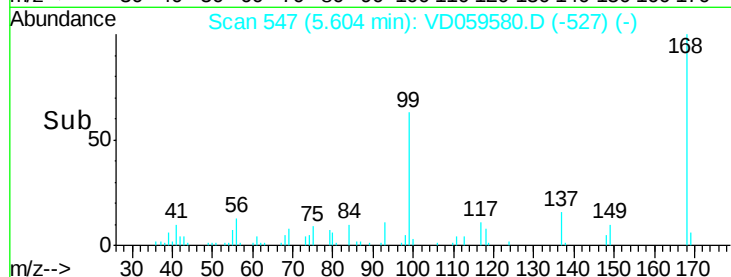
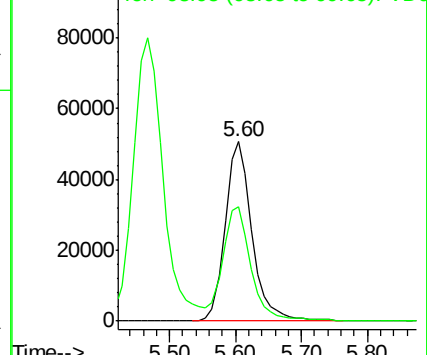
168 100

99 64.1 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 188.636 ug/l

RT: 1.31 min Scan# 110

Delta R.T. -0.00 min

Lab File: VD059580.D

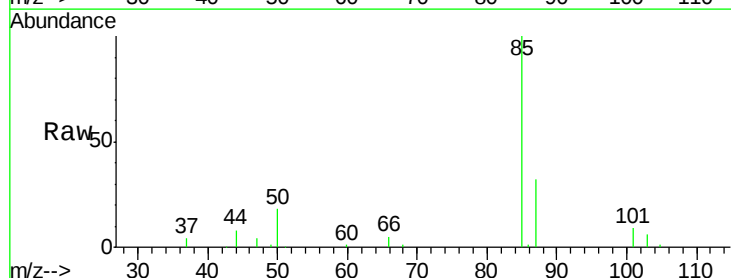
Acq: 24 Jul 2018 19:44

Tgt Ion: 85 Resp: 214758

Ion Ratio Lower Upper

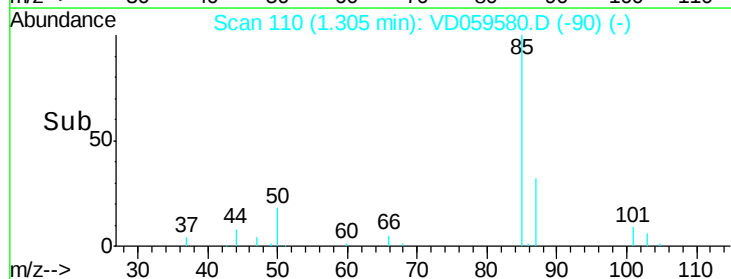
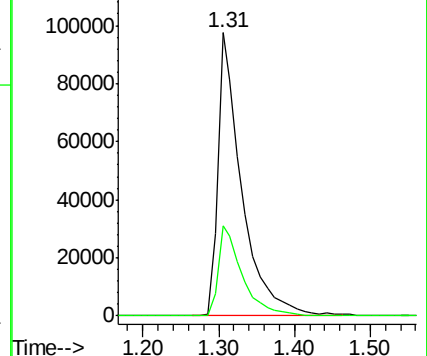
85 100

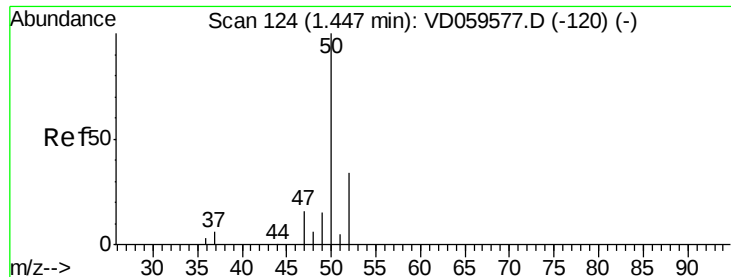
87 31.9 17.3 51.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 202.946 ug/l

RT: 1.45 min Scan# 125

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

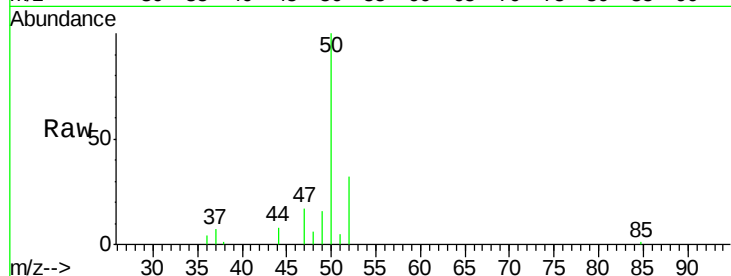
VSTDIC150

Tot Ion: 50 Resp: 116501

Ion Ratio Lower Upper

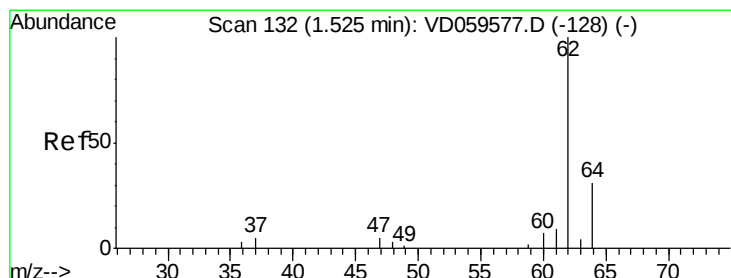
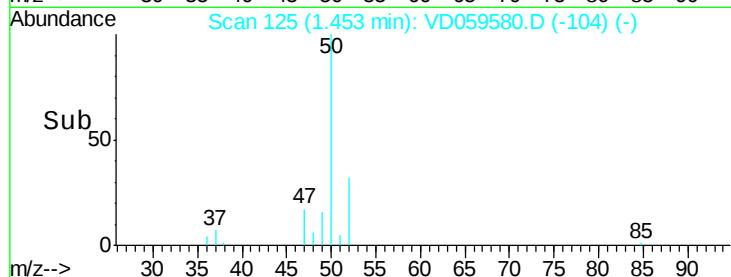
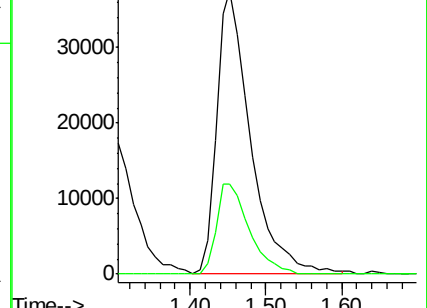
50 100

52 31.9 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: 225.618 ug/l

RT: 1.52 min Scan# 132

Delta R.T. -0.00 min

Lab File: VD059580.D

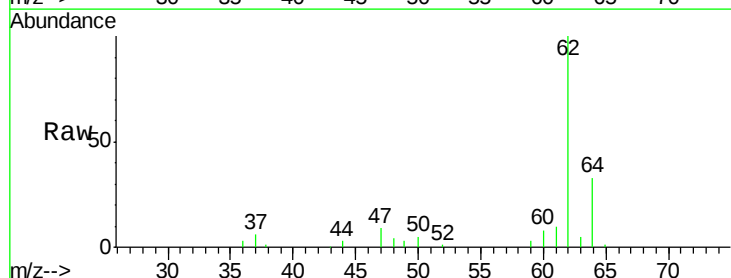
Acq: 24 Jul 2018 19:44

Tgt Ion: 62 Resp: 125818

Ion Ratio Lower Upper

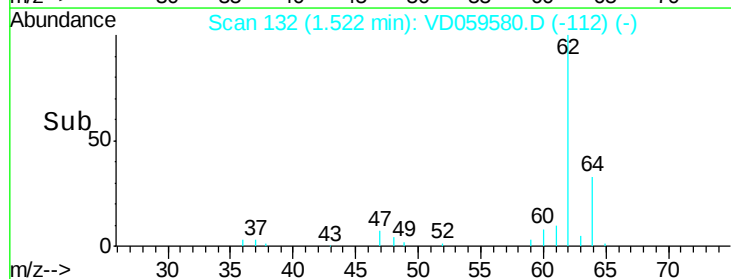
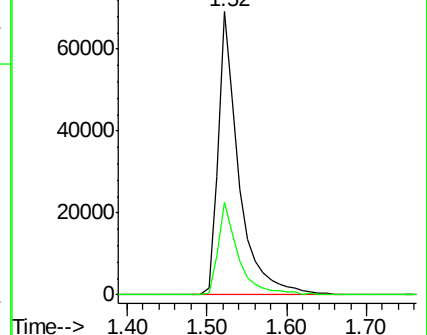
62 100

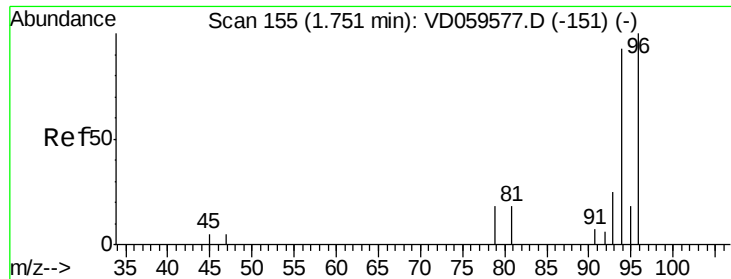
64 32.7 25.0 37.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

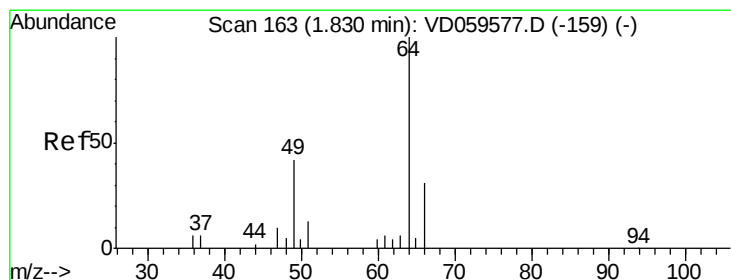
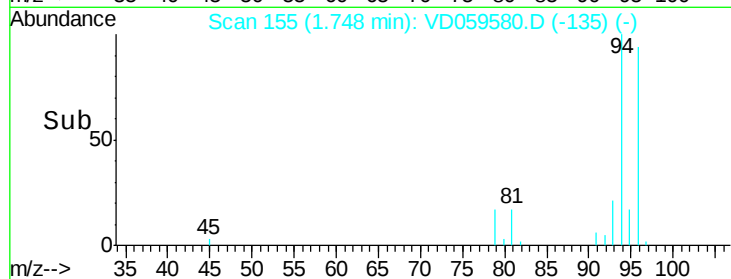
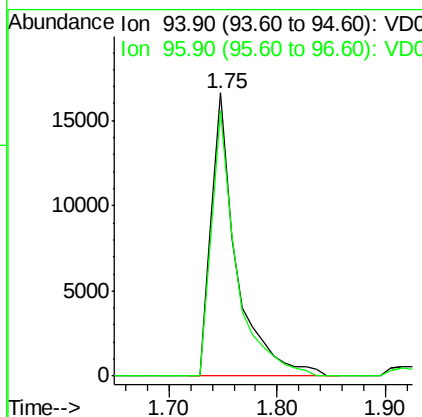
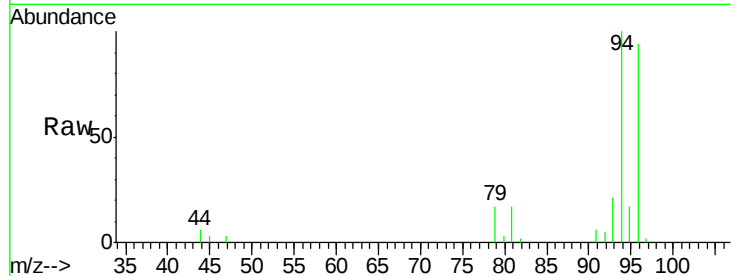




#5
Bromomethane
Concen: 309.251 ug/l
RT: 1.75 min Scan# 155
Delta R.T. -0.00 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

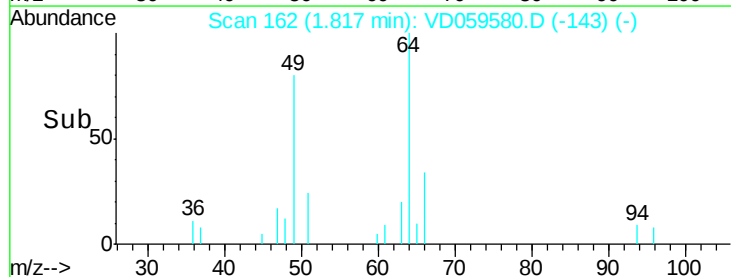
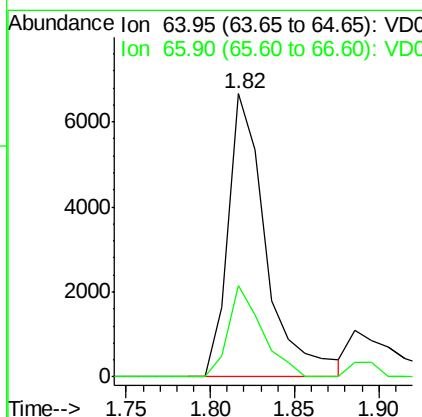
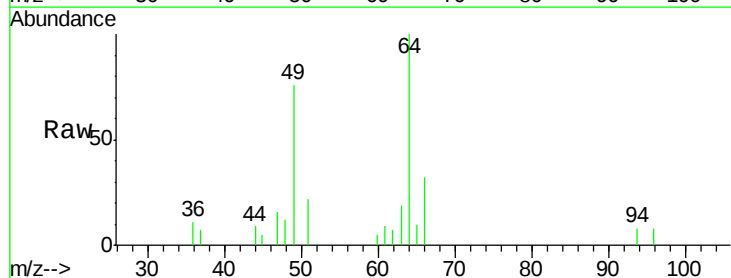
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

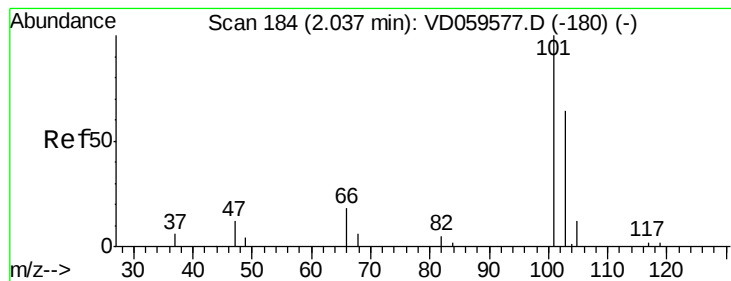
Tot Ion: 94 Resp: 26930
Ion Ratio Lower Upper
94 100
96 93.8 86.2 129.2



#6
Chloroethane
Concen: 50.158 ug/l
RT: 1.82 min Scan# 162
Delta R.T. -0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion: 64 Resp: 10455
Ion Ratio Lower Upper
64 100
66 32.3 25.2 37.8



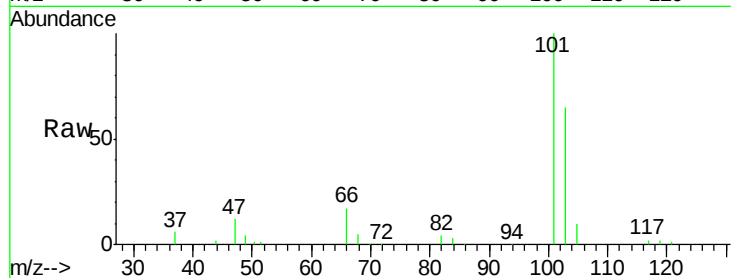


#7

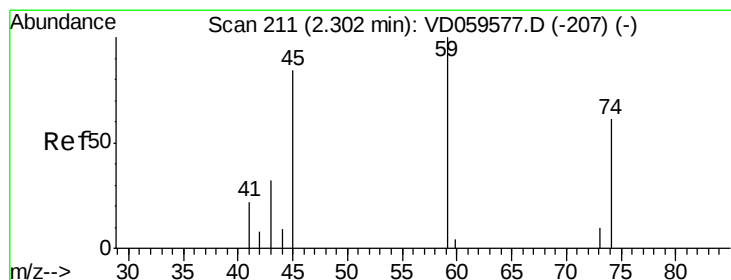
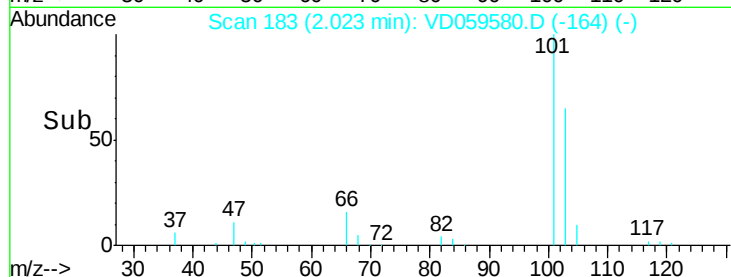
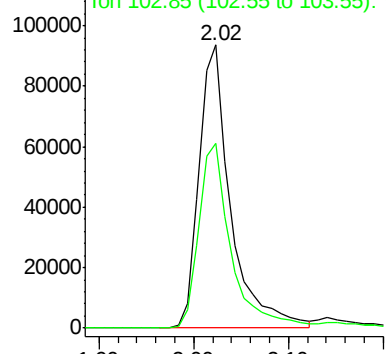
Trichlorofluoromethane
 Concen: 216.522 ug/l
 RT: 2.02 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:101 Resp: 216879
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.9 76.3



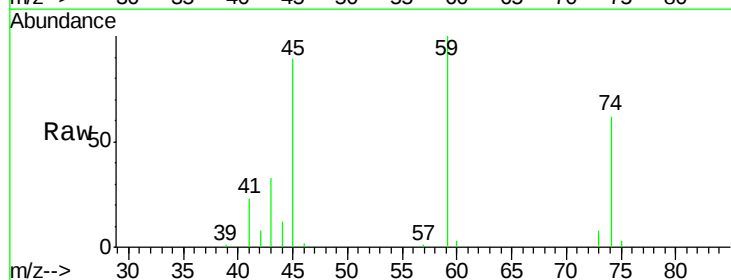
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



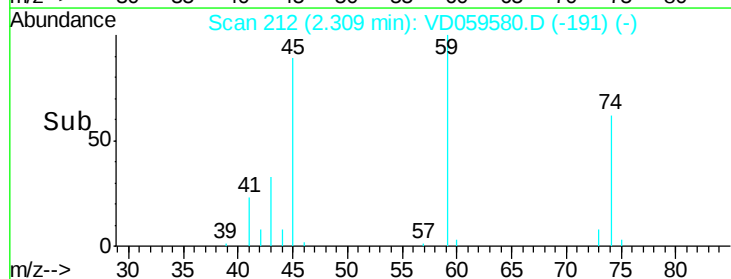
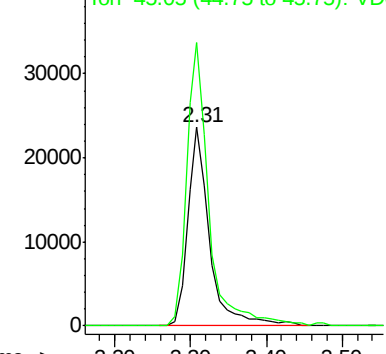
#8

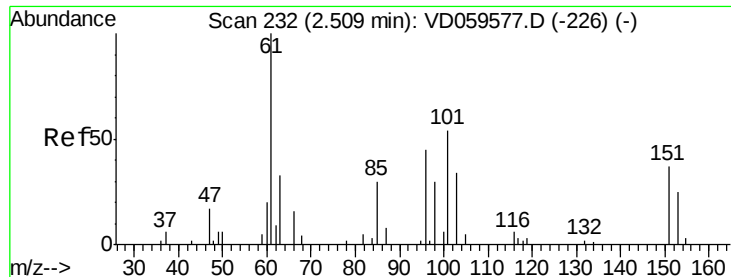
Diethyl Ether
 Concen: 275.253 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. 0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Tgt Ion: 74 Resp: 47549
 Ion Ratio Lower Upper
 74 100
 45 142.4 69.0 207.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 221.406 ug/l

RT: 2.50 min Scan# 231

Delta R.T. -0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

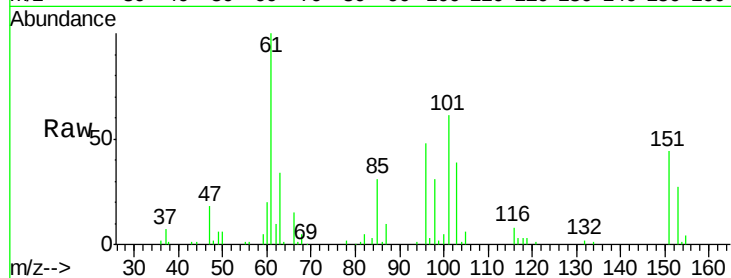
Tot Ion:101 Resp: 120165

Ion Ratio Lower Upper

101 100

85 50.8 44.5 66.7

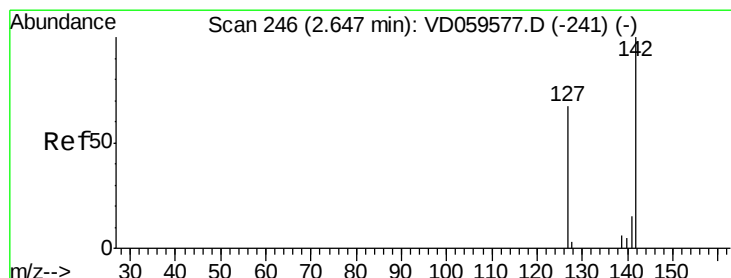
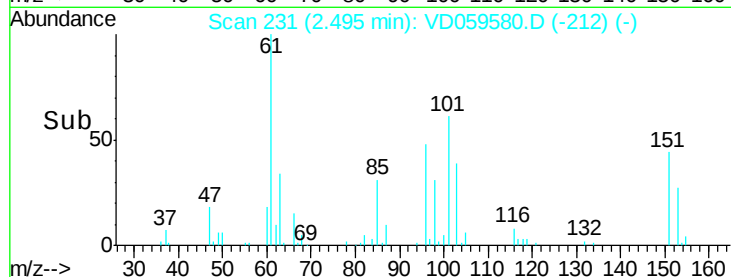
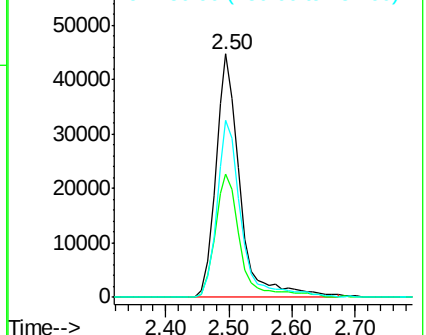
151 72.5 55.4 83.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 234.212 ug/l

RT: 2.64 min Scan# 246

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

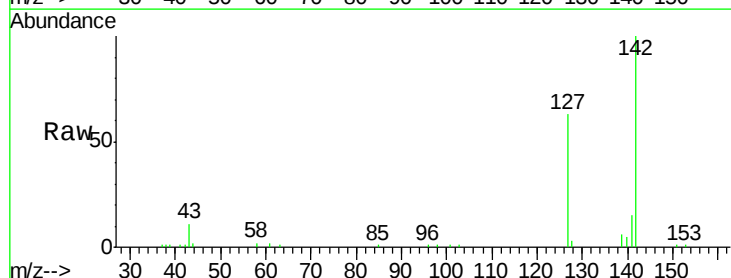
Tgt Ion:142 Resp: 166615

Ion Ratio Lower Upper

142 100

127 63.3 53.6 80.4

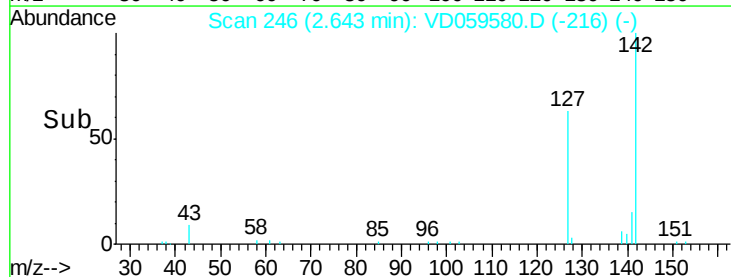
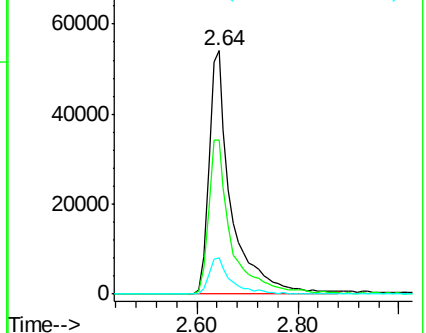
141 14.7 12.2 18.2

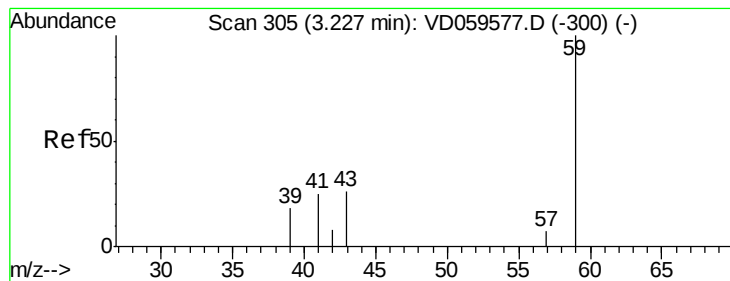


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



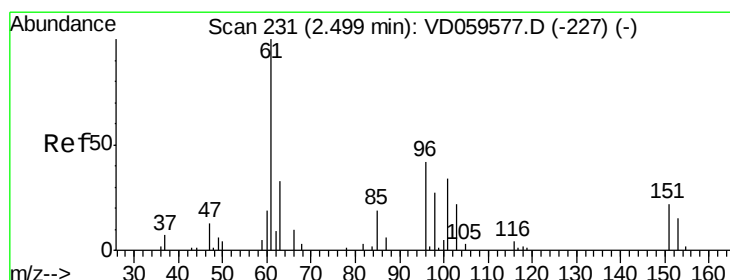
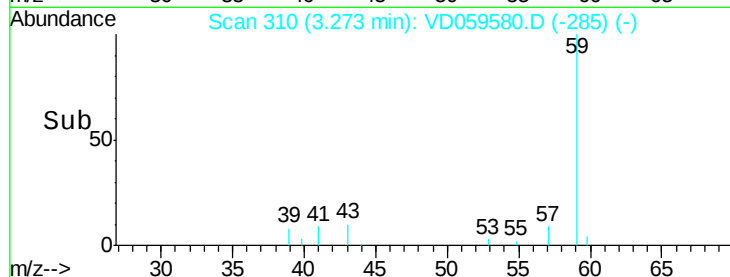
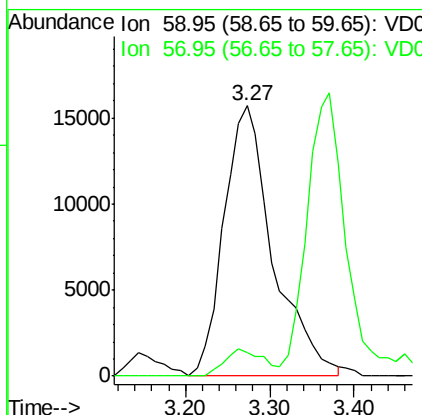
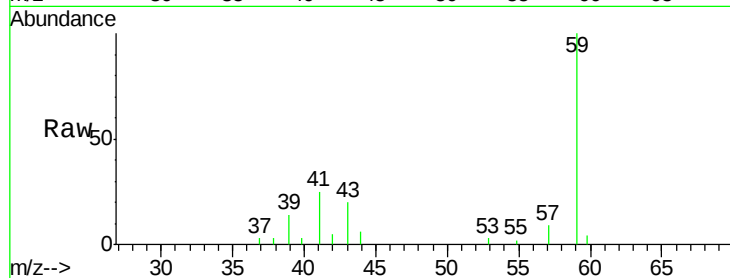


#11

Tert butyl alcohol
 Concen: 1870.698 ug/l
 RT: 3.27 min Scan# 310
 Delta R.T. 0.05 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

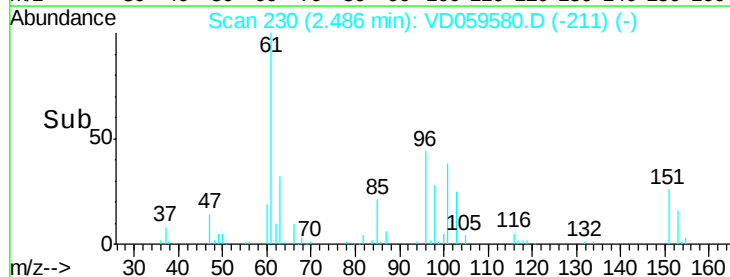
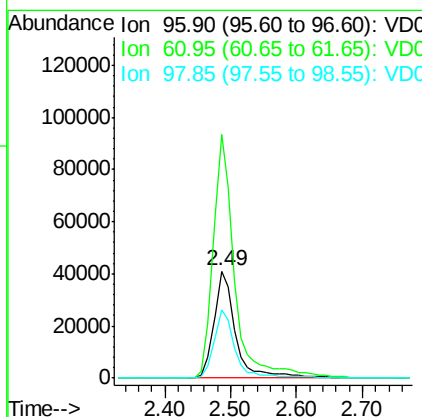
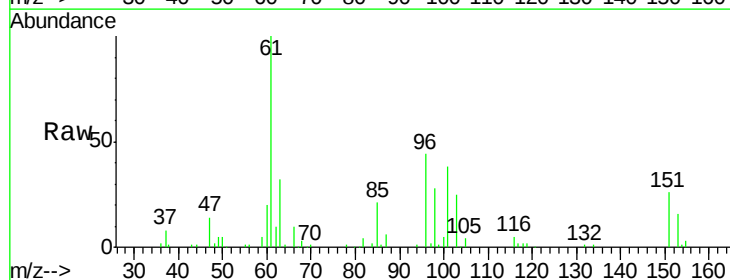
Tot Ion: 59 Resp: 63612
 Ion Ratio Lower Upper
 59 100
 57 8.7 5.5 8.3#

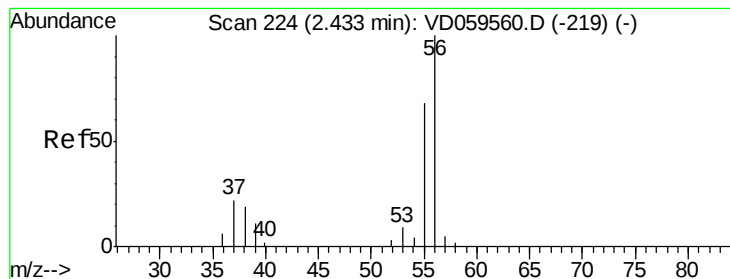


#12

1,1-Dichloroethene
 Concen: 215.538 ug/l
 RT: 2.49 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Tgt Ion: 96 Resp: 92657
 Ion Ratio Lower Upper
 96 100
 61 227.9 188.8 283.2
 98 64.1 51.4 77.2





#13

Acrolein

Concen: 804.889 ug/l

RT: 2.44 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

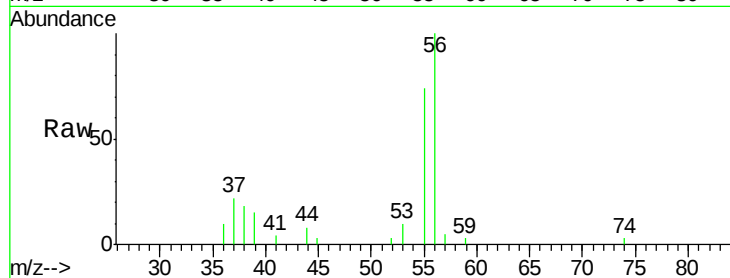
VSTDICC150

Tot Ion: 56 Resp: 28012

Ion Ratio Lower Upper

56 100

55 74.4 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

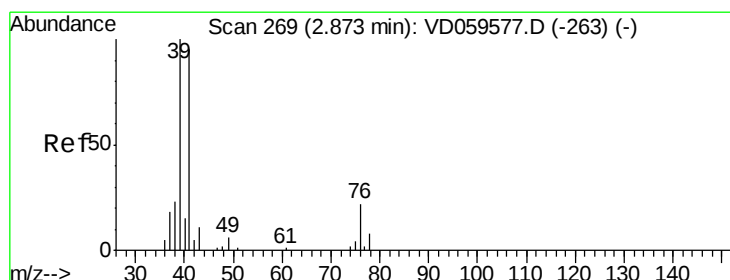
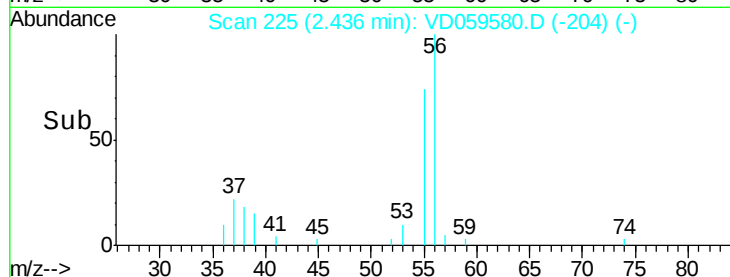
2.44

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 277.069 ug/l

RT: 2.87 min Scan# 269

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

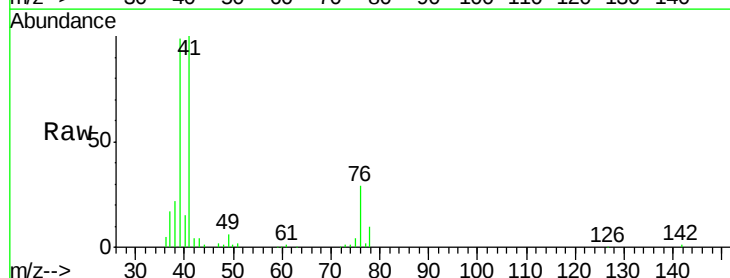
Tgt Ion: 41 Resp: 218923

Ion Ratio Lower Upper

41 100

39 99.3 83.8 125.8

76 28.7 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

2.87

120000

100000

80000

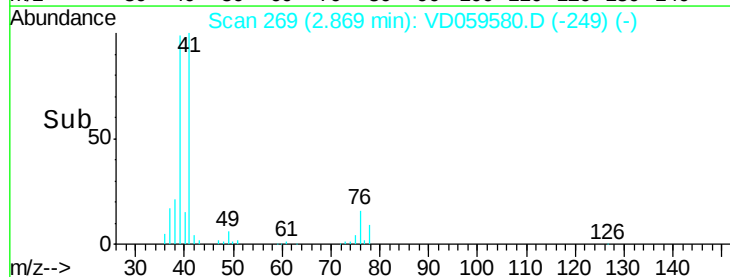
60000

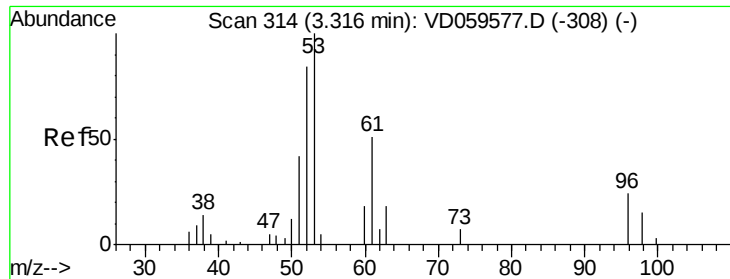
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 1472.782 ug/l

RT: 3.32 min Scan# 315

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

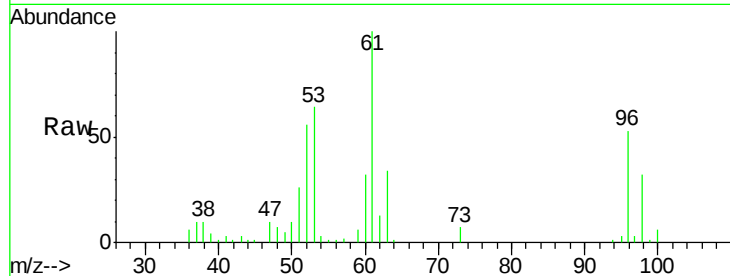
Tot Ion: 53 Resp: 126747

Ion Ratio Lower Upper

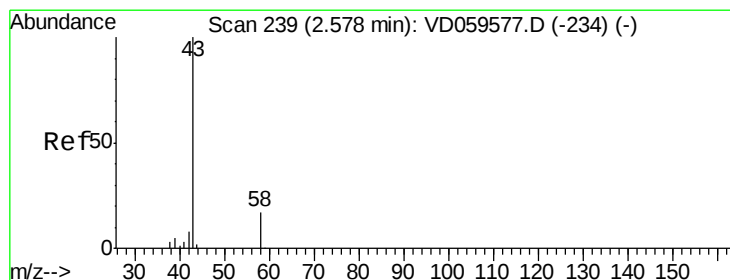
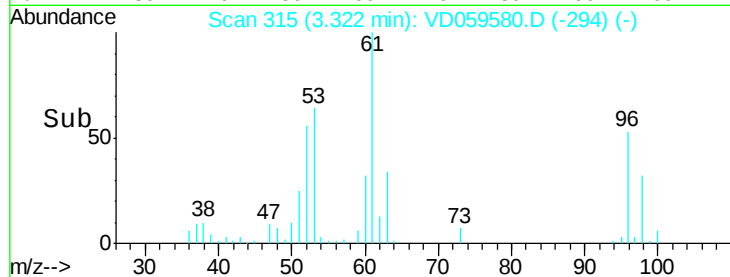
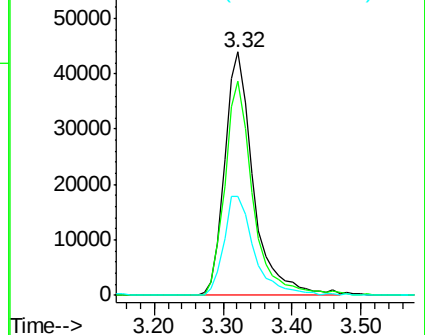
53 100

52 88.0 67.6 101.4

51 40.6 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: 1599.054 ug/l

RT: 2.58 min Scan# 240

Delta R.T. 0.01 min

Lab File: VD059580.D

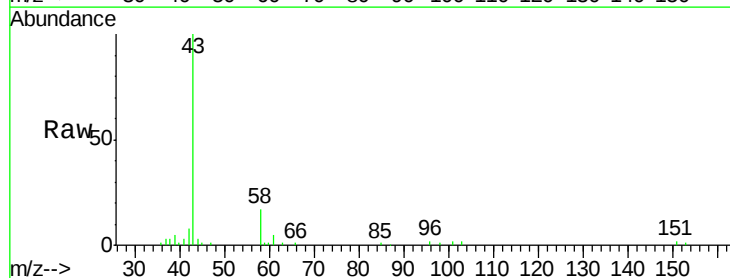
Acq: 24 Jul 2018 19:44

Tgt Ion: 43 Resp: 203044

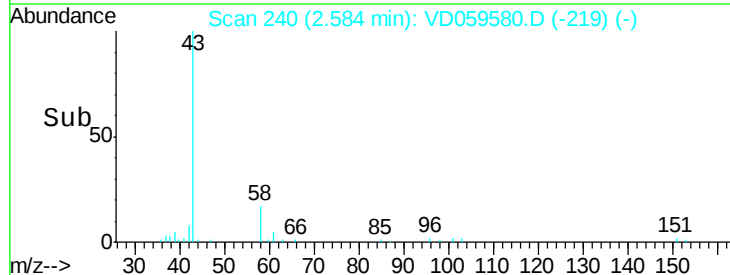
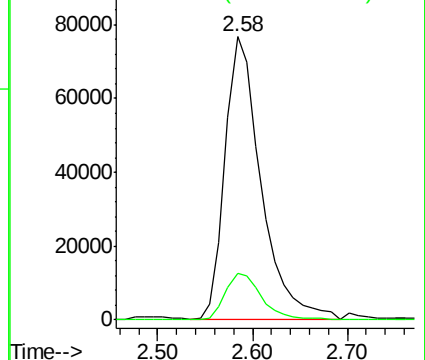
Ion Ratio Lower Upper

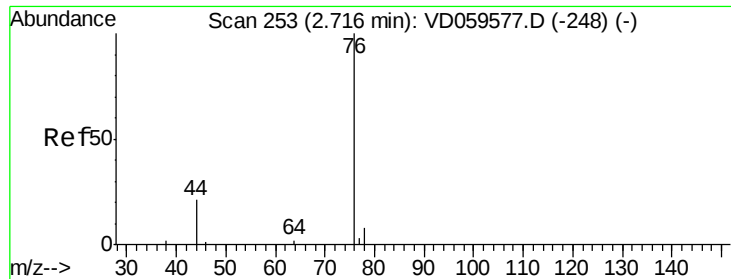
43 100

58 16.7 13.4 20.0



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

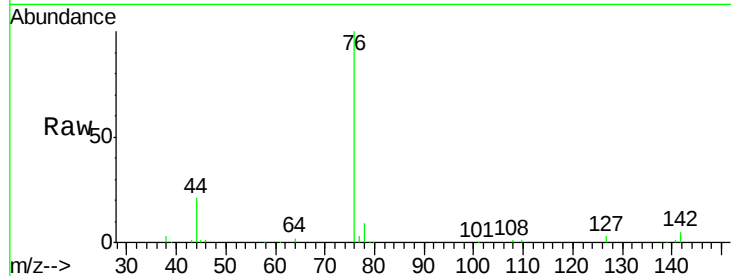




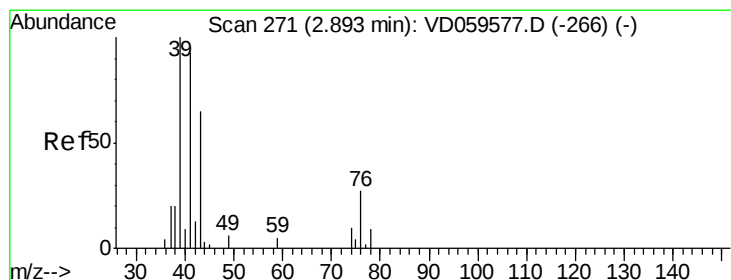
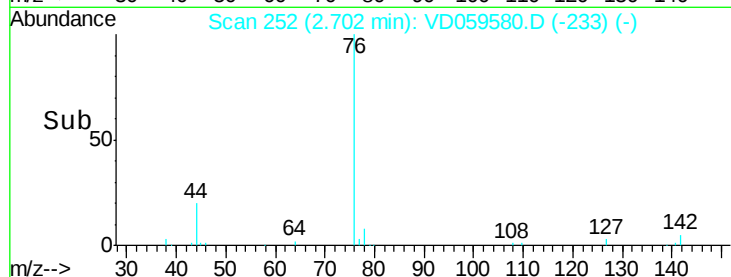
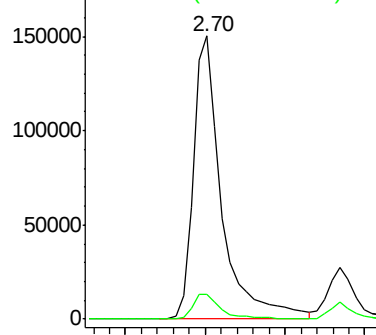
#17
Carbon Disulfide
Concen: 246.751 ug/l
RT: 2.70 min Scan# 252
Delta R.T. -0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 373920
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2

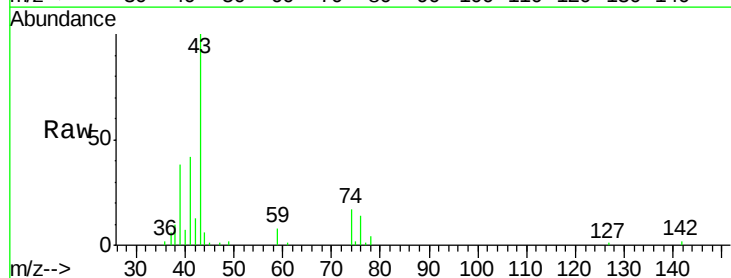


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

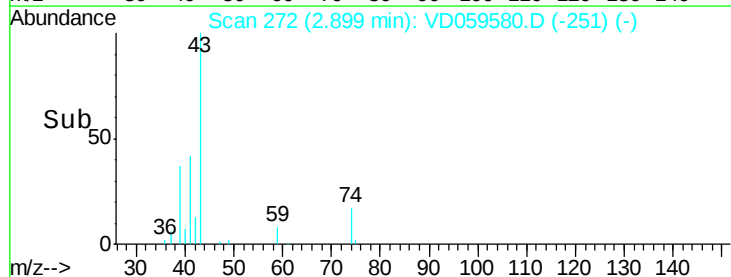
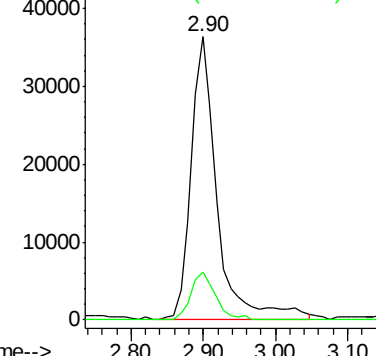


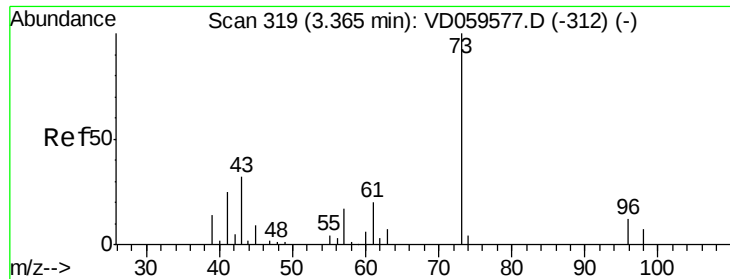
#18
Methyl Acetate
Concen: 233.954 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion: 43 Resp: 90690
Ion Ratio Lower Upper
43 100
74 16.8 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



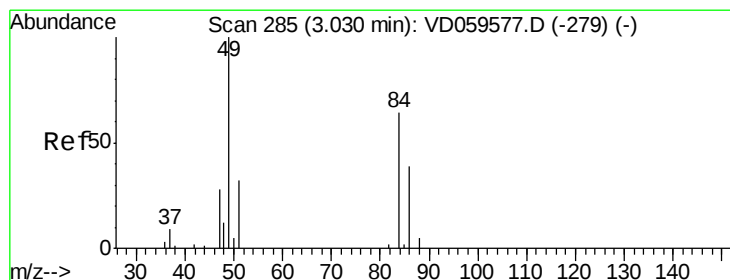
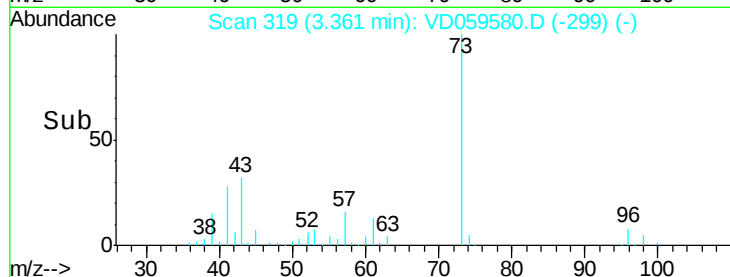
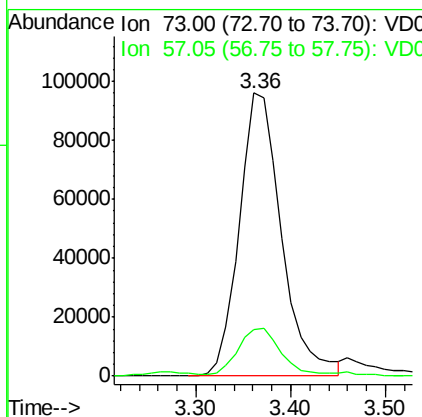
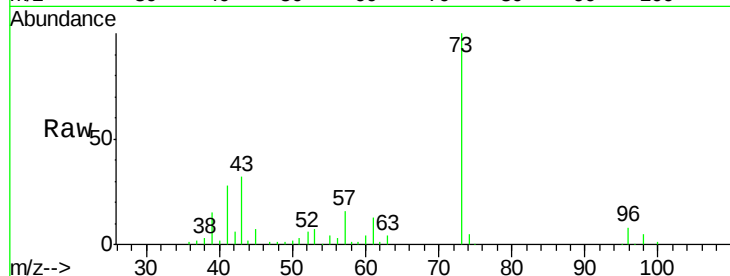


#19

Methyl tert-butyl Ether
 Concen: 200.055 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. -0.00 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

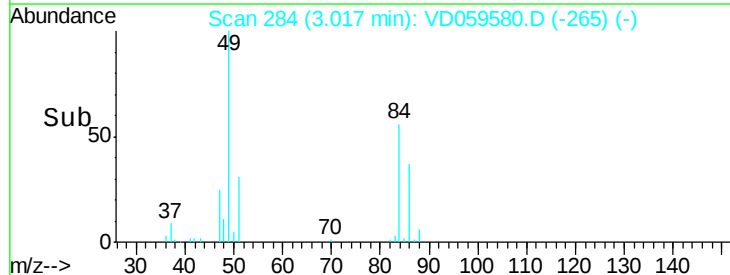
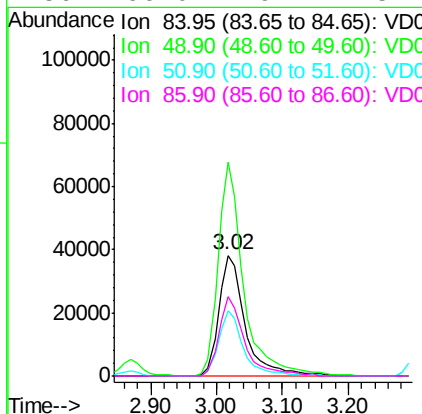
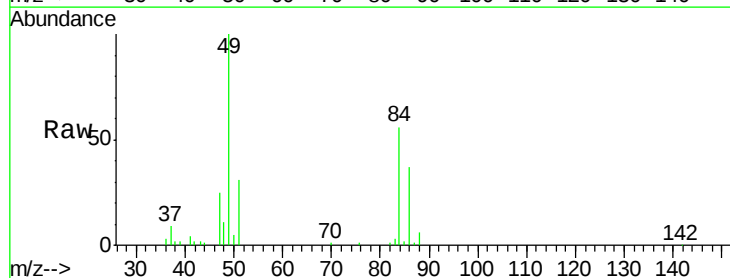
Tot Ion: 73 Resp: 297576
 Ion Ratio Lower Upper
 73 100
 57 16.3 13.4 20.2

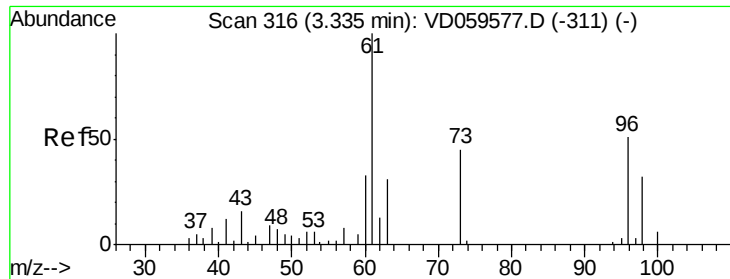


#20

Methylene Chloride
 Concen: 173.257 ug/l
 RT: 3.02 min Scan# 284
 Delta R.T. -0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Tgt Ion: 84 Resp: 105862
 Ion Ratio Lower Upper
 84 100
 49 177.1 125.4 188.2
 51 54.7 39.7 59.5
 86 66.0 49.1 73.7





#21

trans-1,2-Dichloroethene

Concen: 192.264 ug/l

RT: 3.33 min Scan# 316

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

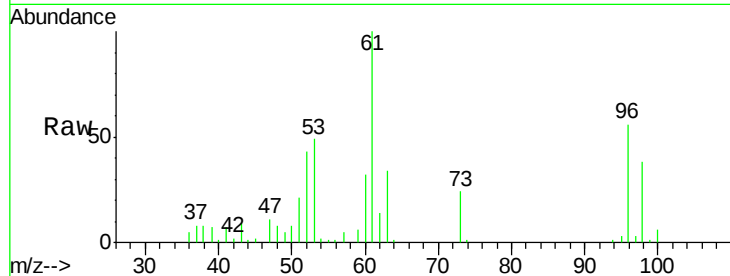
Tot Ion: 96 Resp: 102543

Ion Ratio Lower Upper

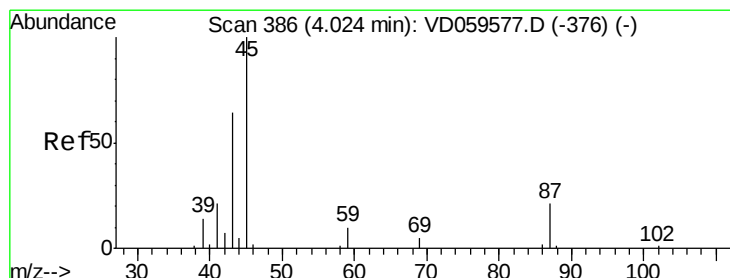
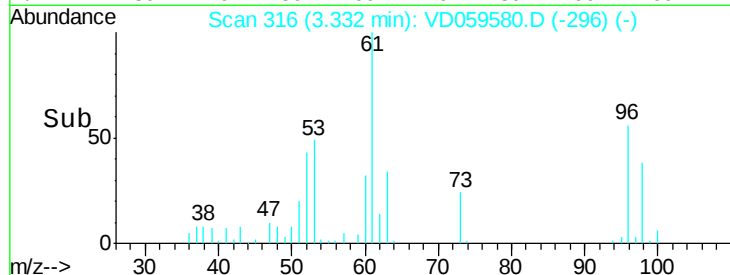
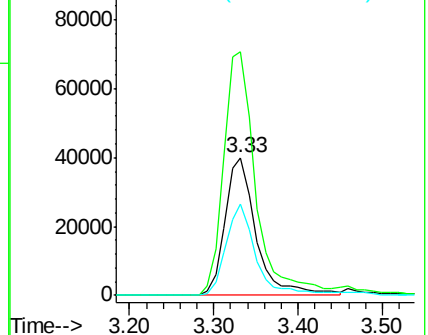
96 100

61 177.1 155.8 233.6

98 66.7 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: 197.497 ug/l

RT: 4.03 min Scan# 387

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Tgt Ion: 45 Resp: 511650

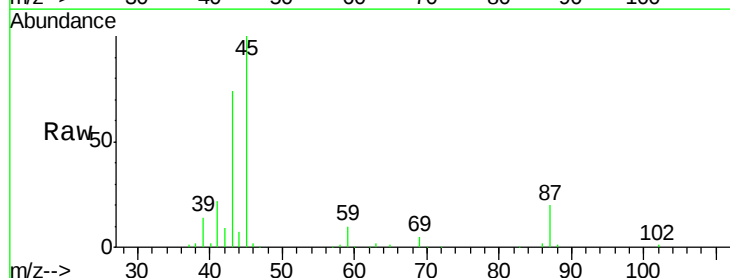
Ion Ratio Lower Upper

45 100

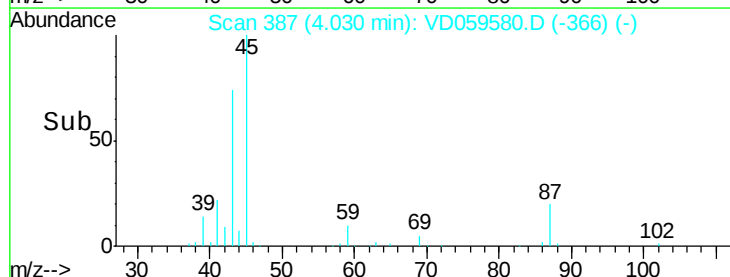
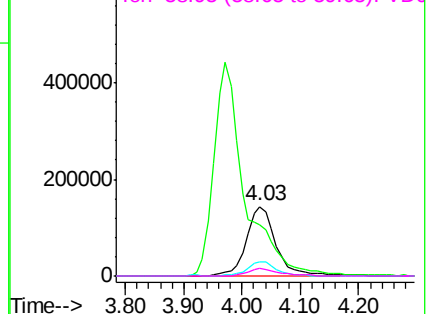
43 74.3 59.4 89.2

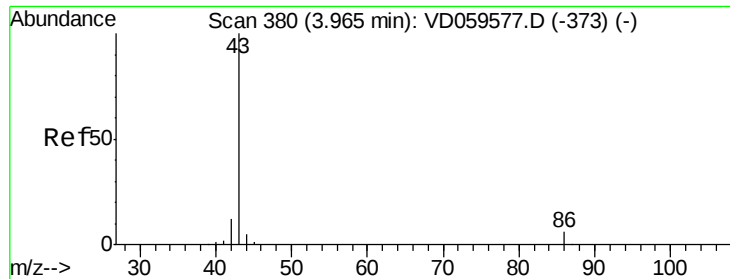
87 19.9 16.7 25.1

59 10.3 8.2 12.4



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





#23

Vinyl Acetate

Concen: 1210.755 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

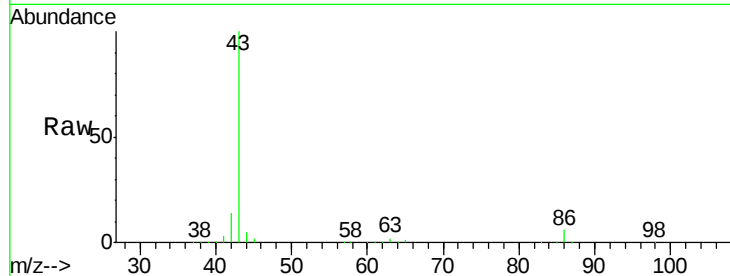
VSTDIC150

Tot Ion: 43 Resp: 1614440

Ion Ratio Lower Upper

43 100

86 5.6 5.1 7.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

3.97

400000

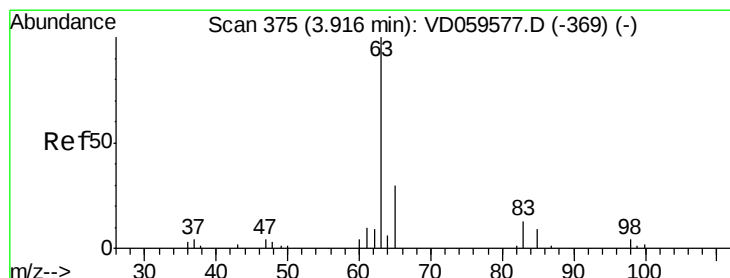
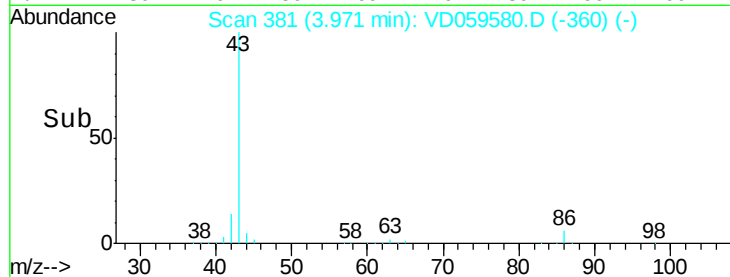
300000

200000

100000

0

Time--> 3.80 3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 193.854 ug/l

RT: 3.91 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

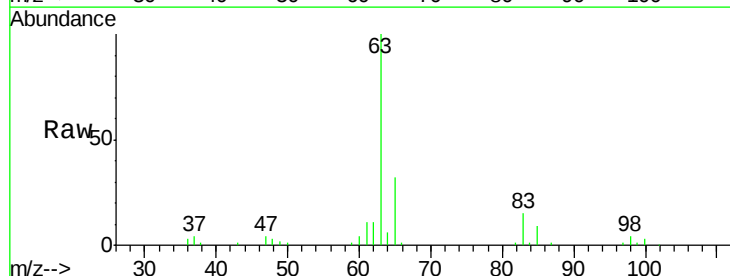
Tgt Ion: 63 Resp: 335140

Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.5

100 2.7 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

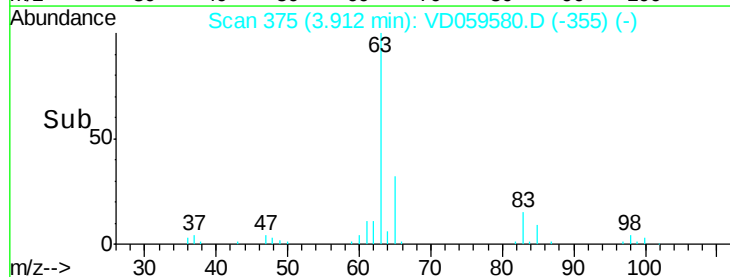
3.91

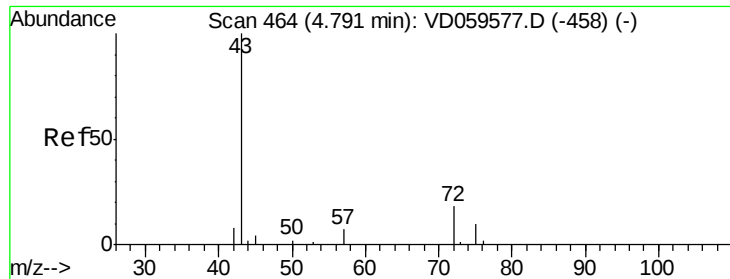
100000

50000

0

Time--> 3.80 3.90 4.00 4.10





#25

2-Butanone

Concen: 1180.459 ug/l

RT: 4.81 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

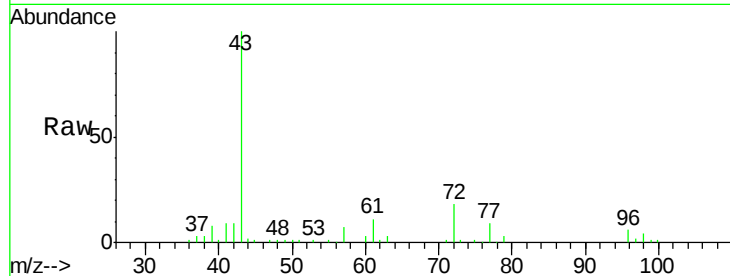
VSTDIC150

Tot Ion: 43 Resp: 295132

Ion Ratio Lower Upper

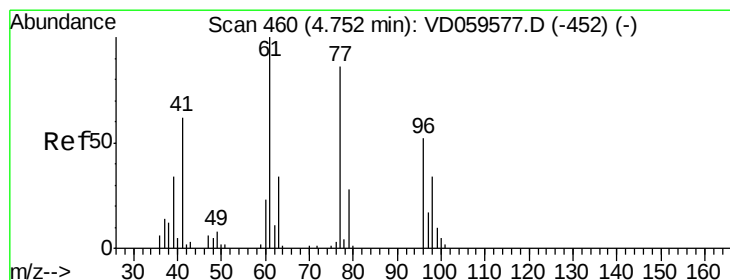
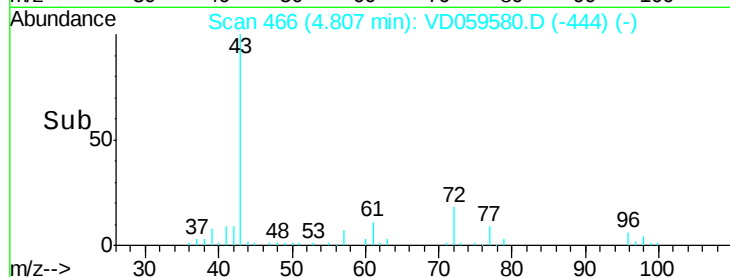
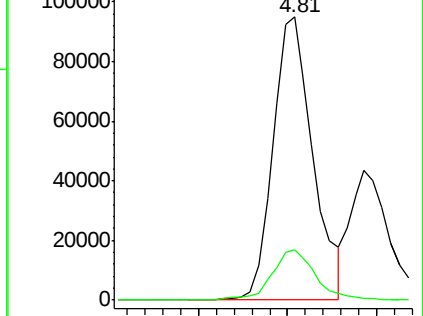
43 100

72 17.9 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: 291.522 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.00 min

Lab File: VD059580.D

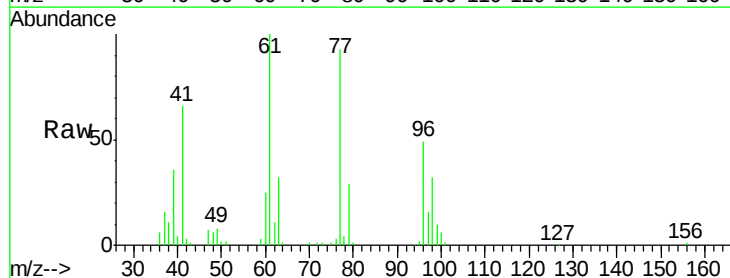
Acq: 24 Jul 2018 19:44

Tgt Ion: 77 Resp: 338240

Ion Ratio Lower Upper

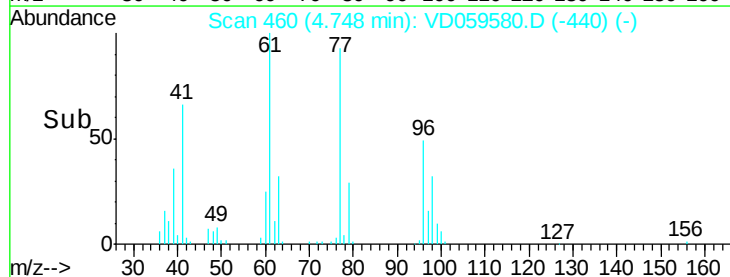
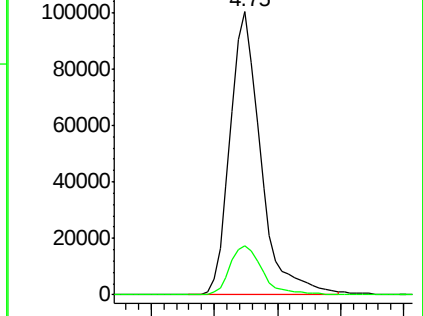
77 100

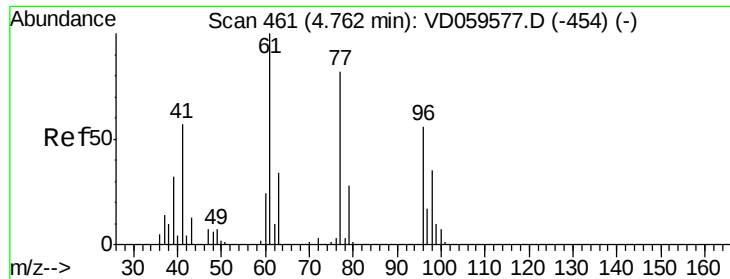
97 17.5 9.7 29.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



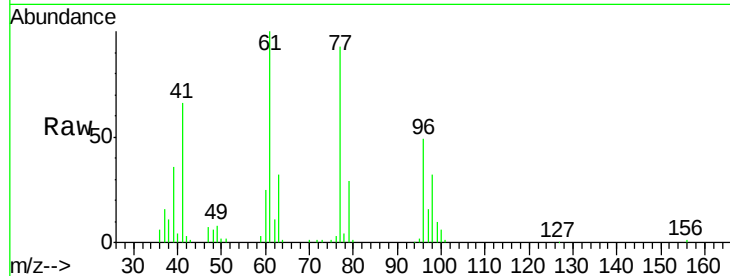


#27

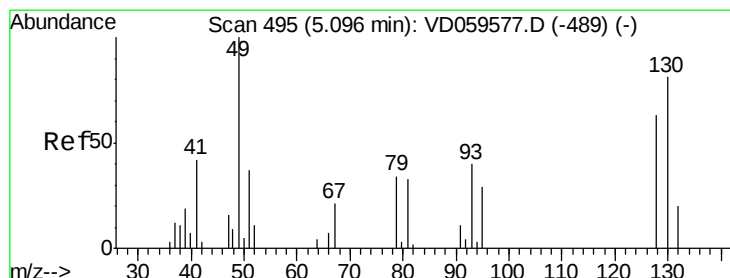
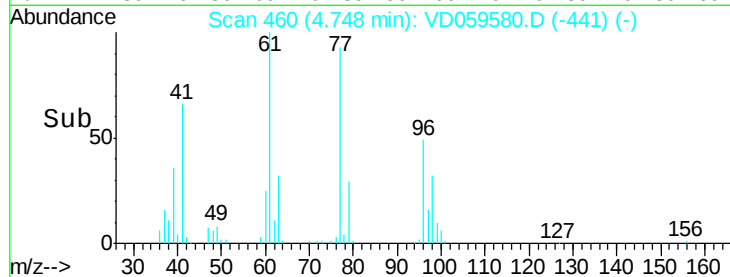
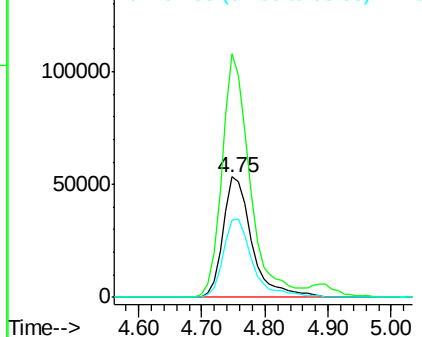
cis-1,2-Dichloroethene
 Concen: 159.101 ug/l
 RT: 4.75 min Scan# 460
 Delta R.T. -0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 96 Resp: 170410
 Ion Ratio Lower Upper
 96 100
 61 202.4 0.0 355.0
 98 63.9 0.0 125.8



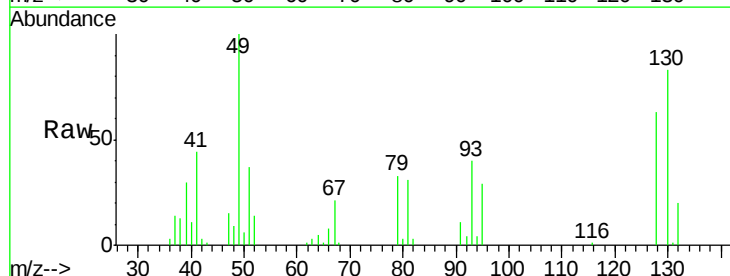
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



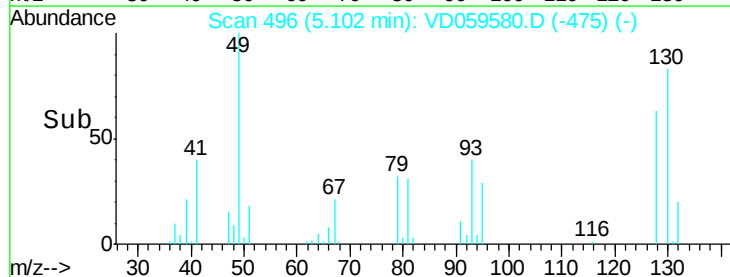
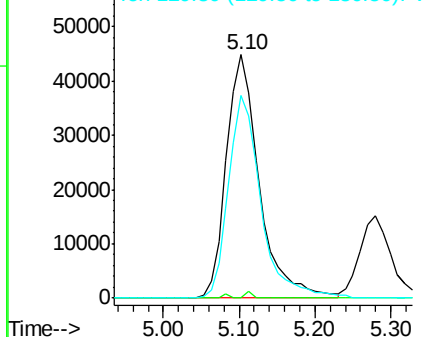
#28

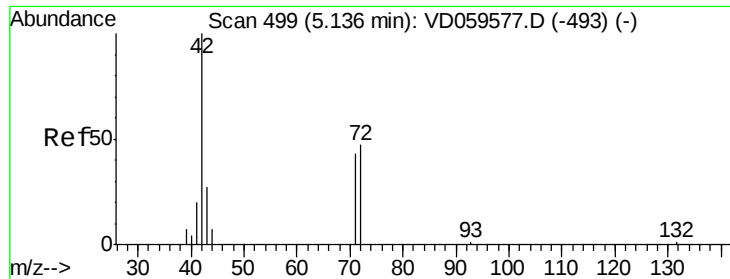
Bromochloromethane
 Concen: 215.023 ug/l
 RT: 5.10 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Tgt Ion: 49 Resp: 134977
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 0.0
 130 83.3 64.6 96.8



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

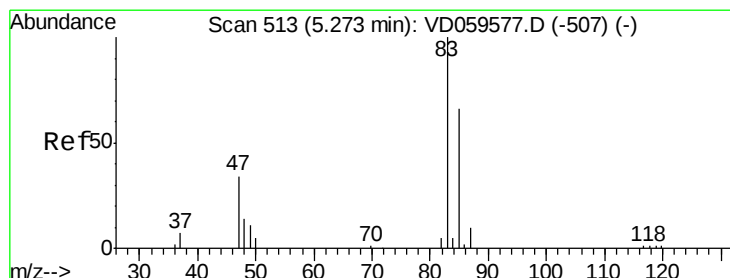
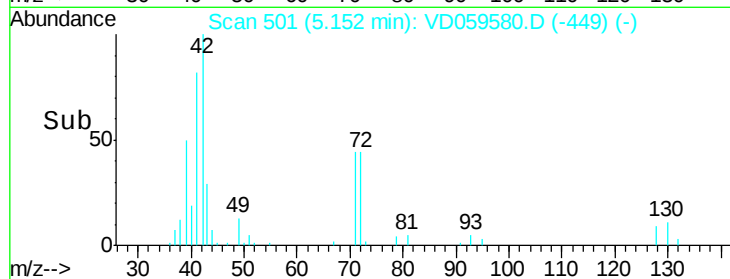
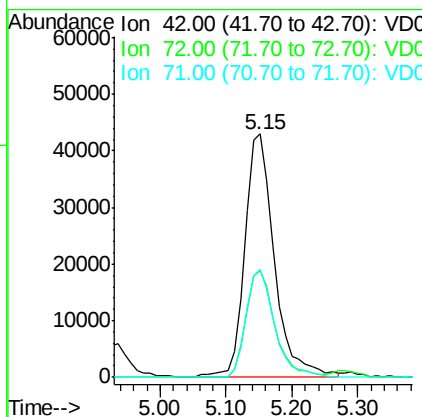
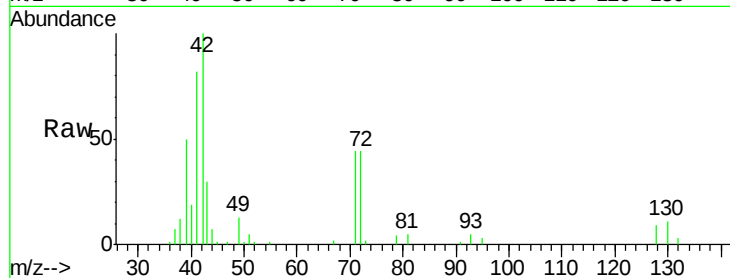




#29
Tetrahydrofuran
Concen: 1095.728 ug/l
RT: 5.15 min Scan# 501
Delta R.T. 0.02 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

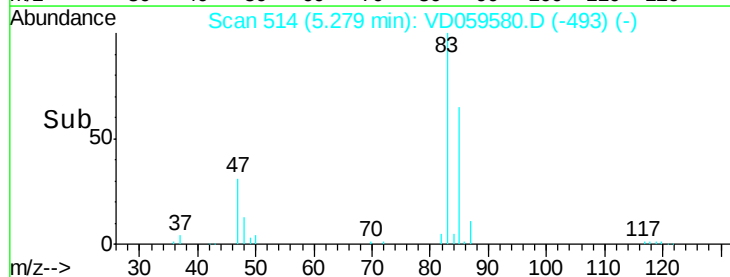
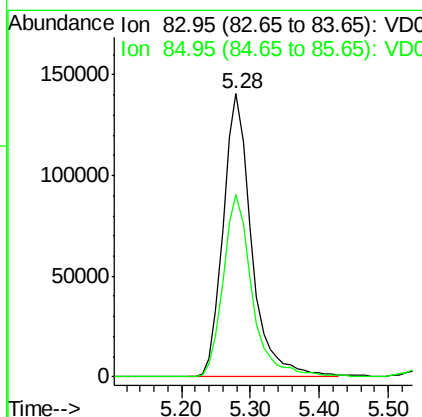
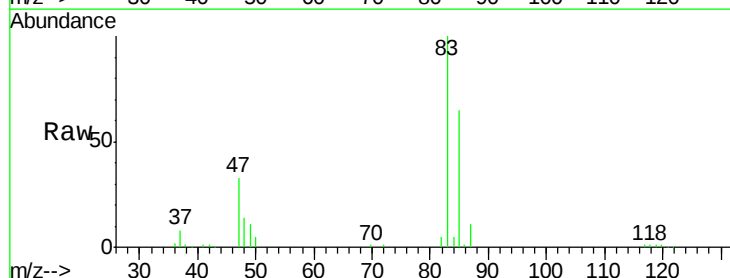
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

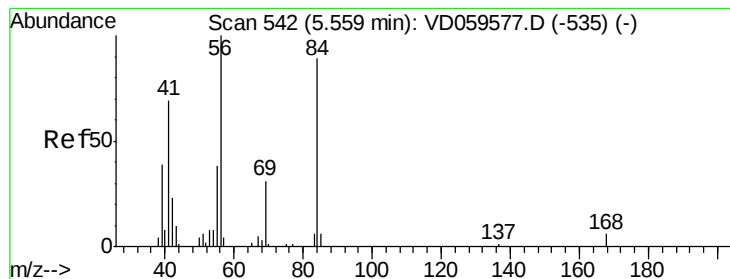
Tot Ion: 42 Resp: 135528
Ion Ratio Lower Upper
42 100
72 42.9 35.0 52.4
71 42.5 34.2 51.2



#30
Chloroform
Concen: 202.245 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion: 83 Resp: 401689
Ion Ratio Lower Upper
83 100
85 64.5 53.0 79.6





#31

Cvclohexane

Concen: 178.624 ug/l

RT: 5.55 min Scan# 541

Delta R.T. -0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

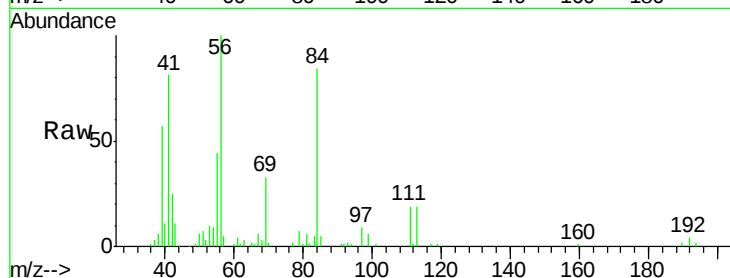
Tot Ion: 56 Resp: 213189

Ion Ratio Lower Upper

56 100

69 32.7 24.6 37.0

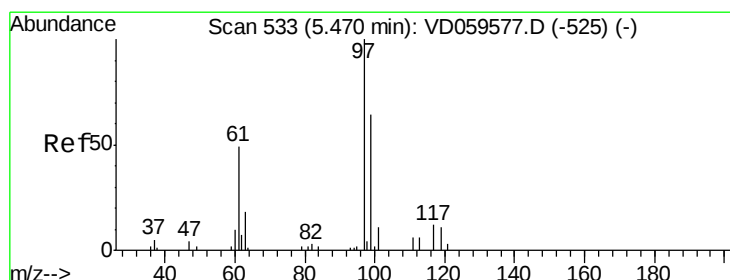
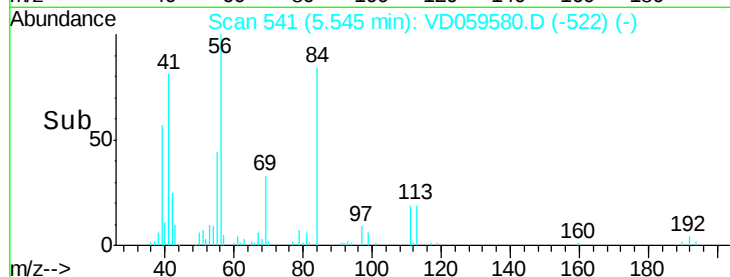
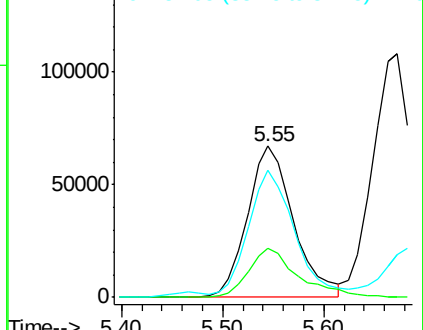
84 84.4 72.7 109.1



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: 226.877 ug/l

RT: 5.47 min Scan# 533

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

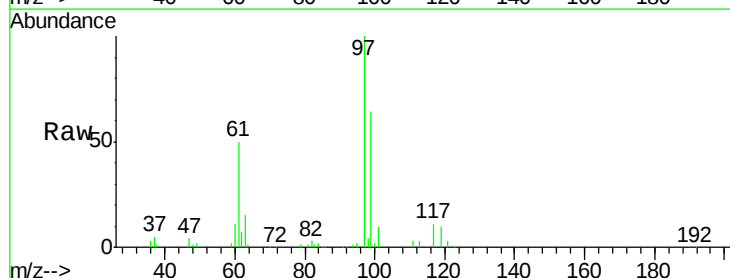
Tgt Ion: 97 Resp: 402818

Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

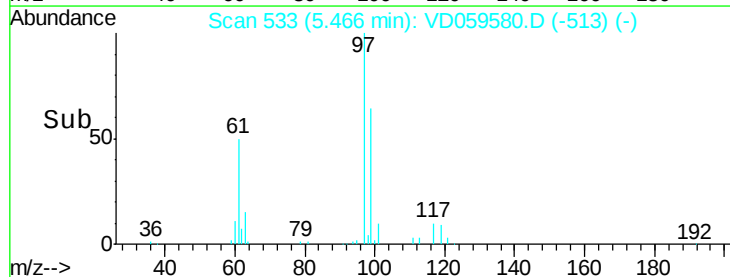
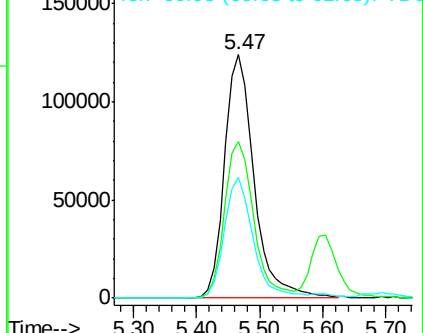
61 49.8 39.2 58.8

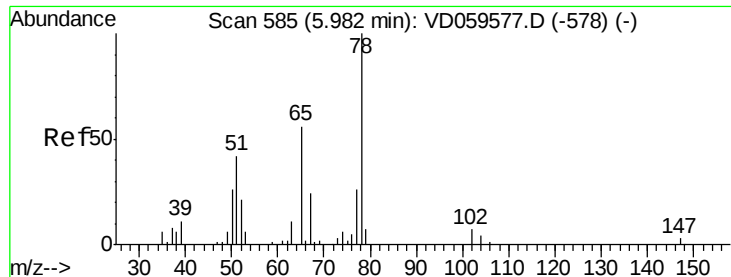


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 226.877 ug/l

RT: 5.98 min Scan# 585

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

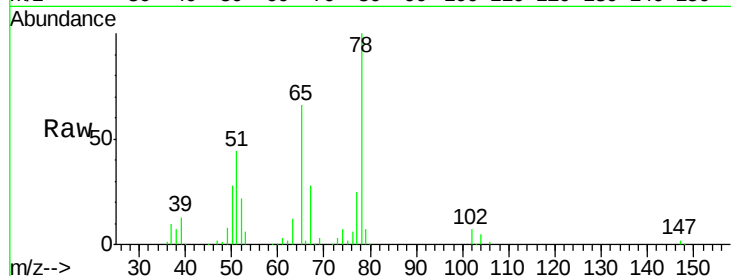
VSTDIC150

Tot Ion: 65 Resp: 271157

Ion Ratio Lower Upper

65 100

67 42.4 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

5.98

120000

100000

80000

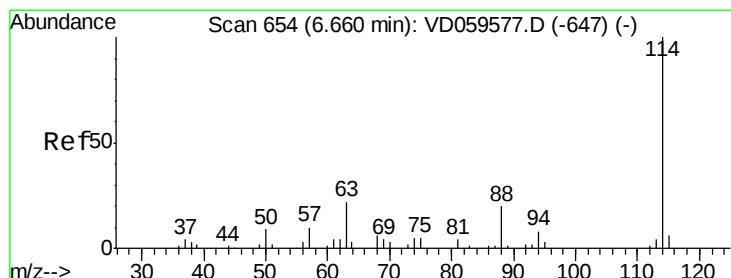
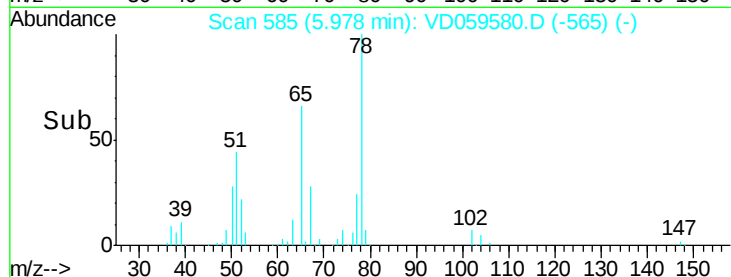
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.66 min Scan# 654

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

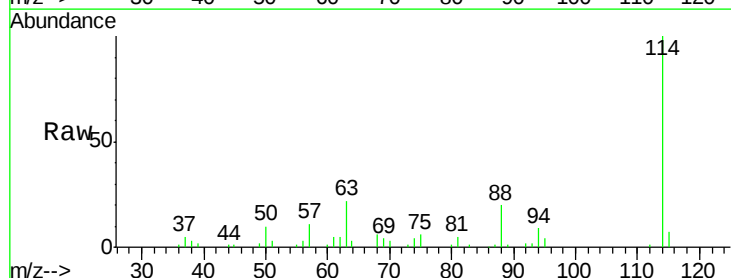
Tgt Ion: 114 Resp: 190563

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.8

88 19.9 0.0 39.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

100000

80000

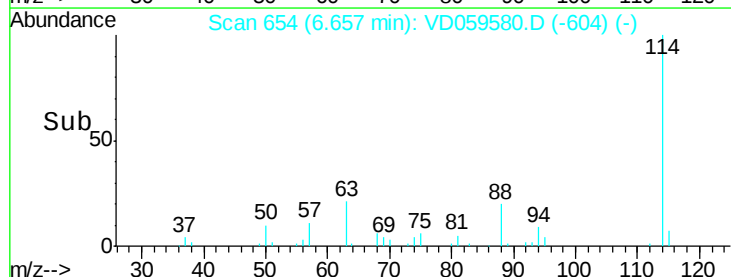
60000

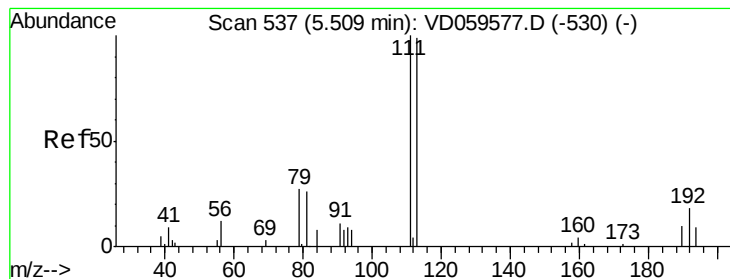
40000

20000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

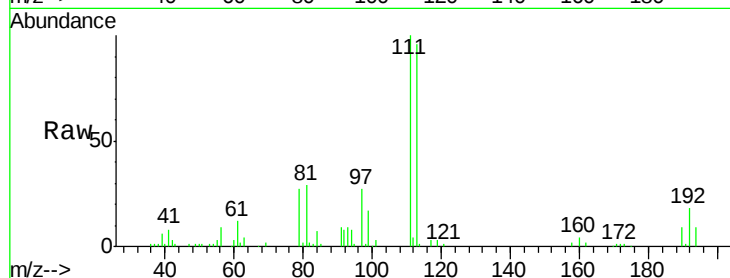
Tot Ion:113 Resp: 237971

Ion Ratio Lower Upper

113 100

111 104.4 80.5 120.7

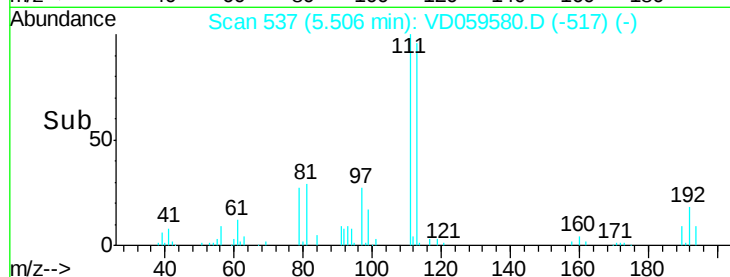
192 18.5 14.5 21.7



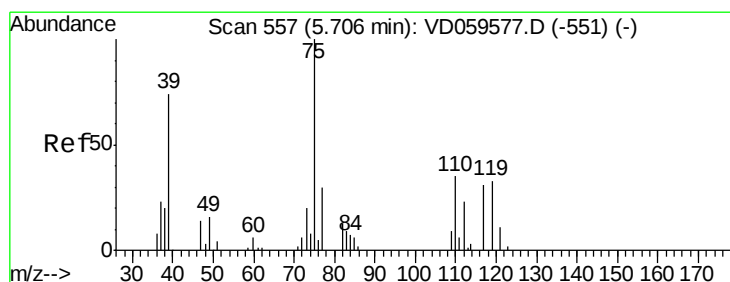
Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



Time-->



#36

1,1-Dichloropropene

Concen: 160.876 ug/l

RT: 5.70 min Scan# 557

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

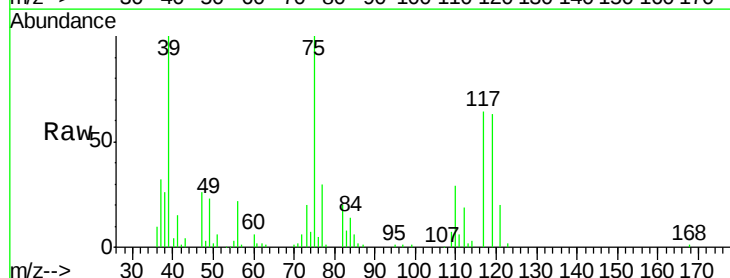
Tgt Ion: 75 Resp: 255689

Ion Ratio Lower Upper

75 100

110 28.9 17.0 50.9

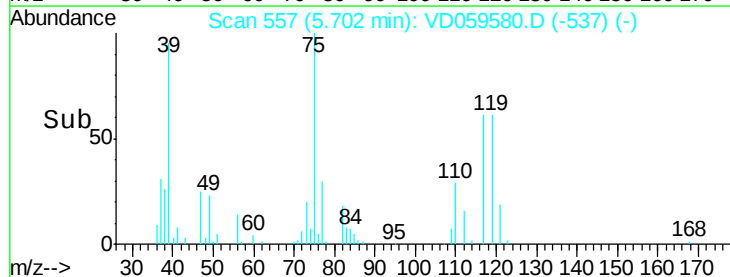
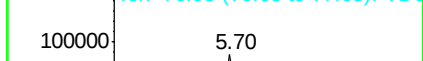
77 30.4 23.6 35.4



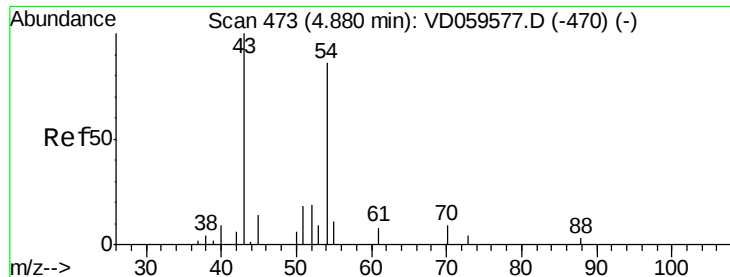
Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC



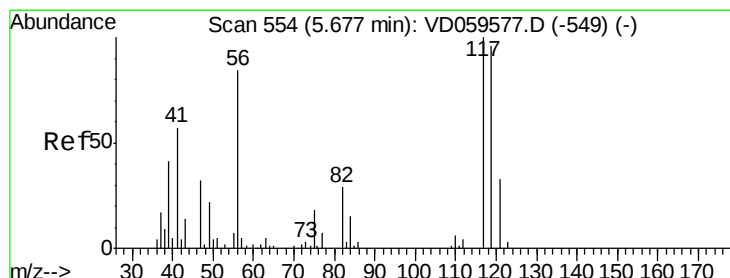
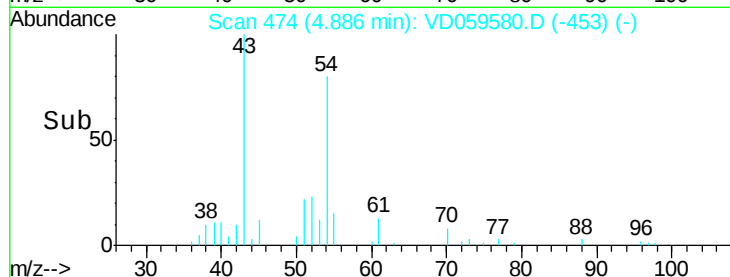
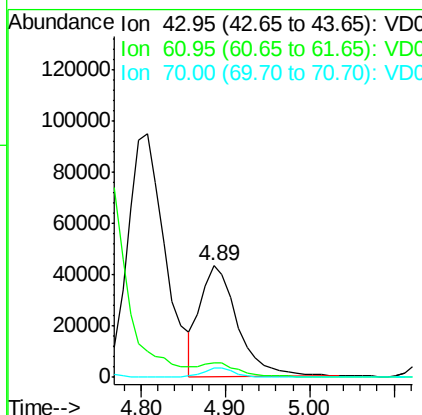
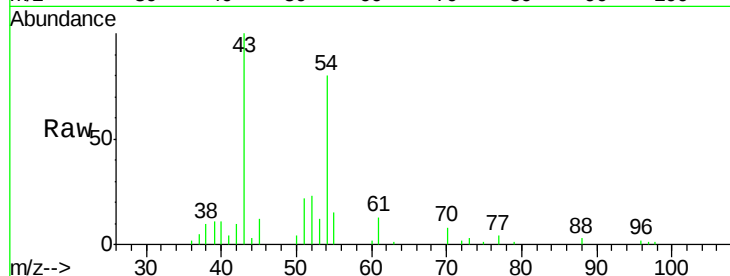
Time-->



#37
Ethyl Acetate
Concen: 188.156 ug/l
RT: 4.89 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

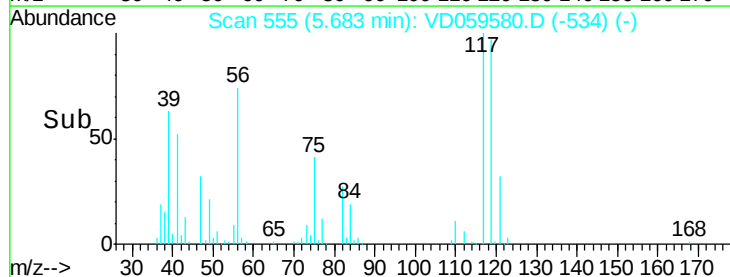
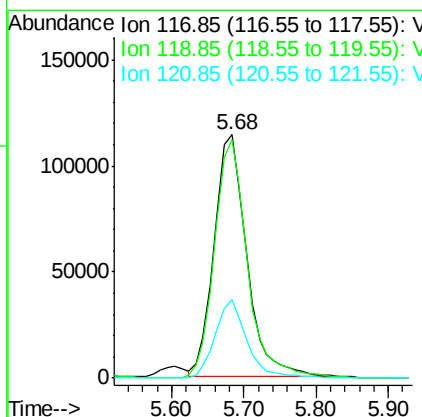
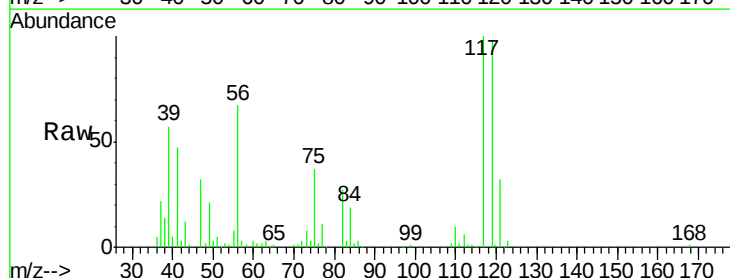
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

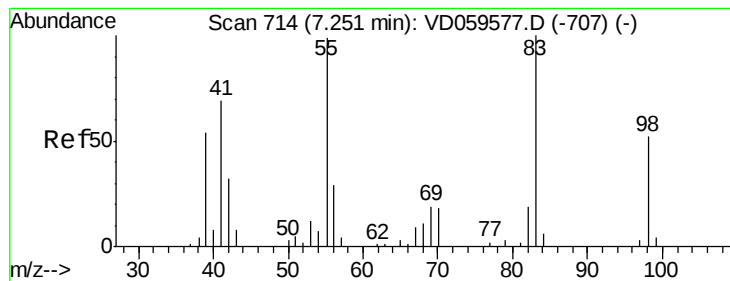
Tot Ion: 43 Resp: 131983
Ion Ratio Lower Upper
43 100
61 12.9 10.7 16.1
70 8.0 5.4 8.0



#38
Carbon Tetrachloride
Concen: 179.822 ug/l
RT: 5.68 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion: 117 Resp: 355752
Ion Ratio Lower Upper
117 100
119 97.7 73.6 110.4
121 32.1 25.0 37.6





#39

Methvlcvclohexane

Concen: 146.105 ug/l

RT: 7.25 min Scan# 714

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

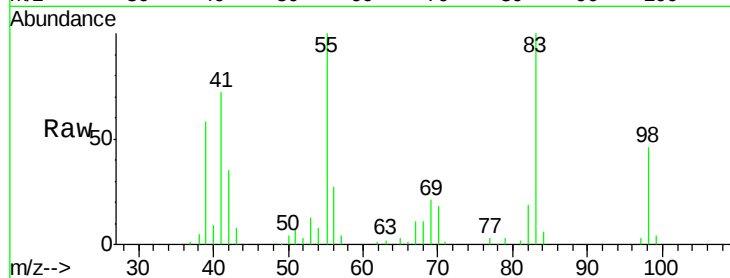
Tot Ion: 83 Resp: 225100

Ion Ratio Lower Upper

83 100

55 100.2 79.4 119.0

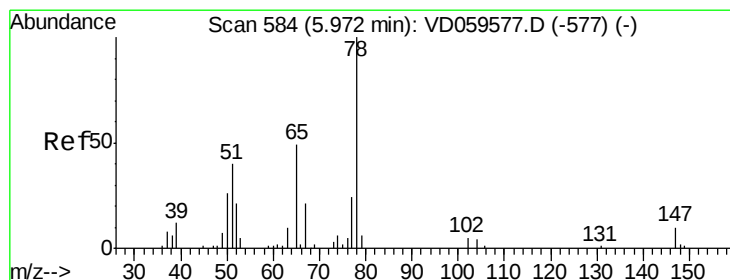
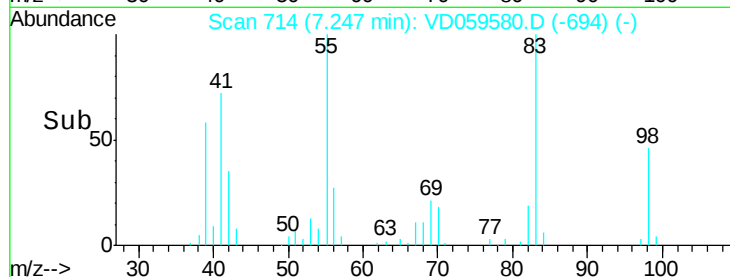
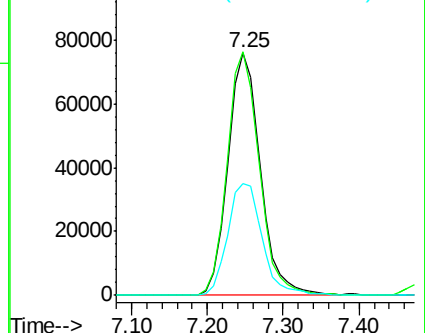
98 45.8 41.6 62.4



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: 136.254 ug/l

RT: 5.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VD059580.D

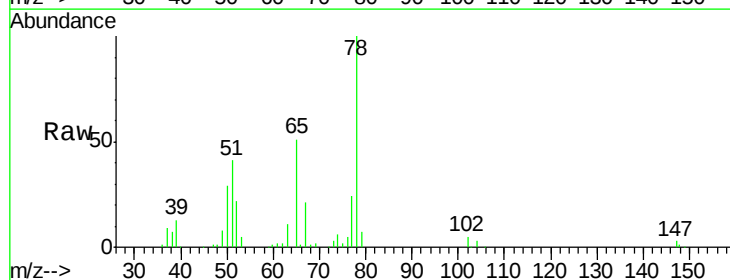
Acq: 24 Jul 2018 19:44

Tgt Ion: 78 Resp: 502572

Ion Ratio Lower Upper

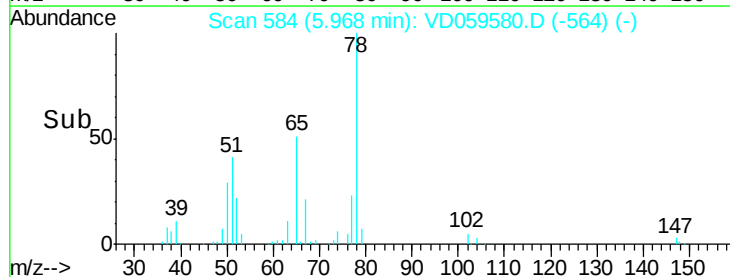
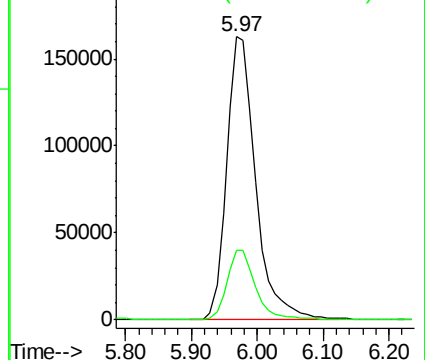
78 100

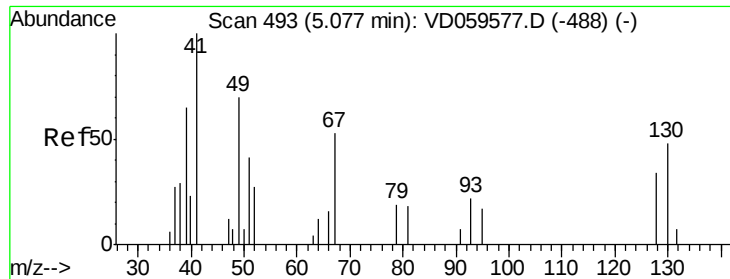
77 24.4 19.0 28.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 187.415 ug/l

RT: 5.08 min Scan# 494

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 41 Resp: 65966

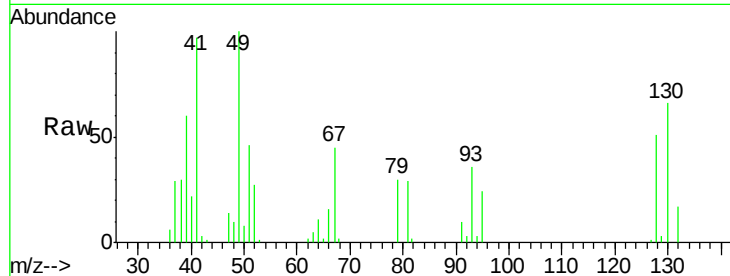
Ion Ratio Lower Upper

41 100

39 62.5 52.1 78.1

67 46.4 42.5 63.7

52 27.4 21.8 32.8

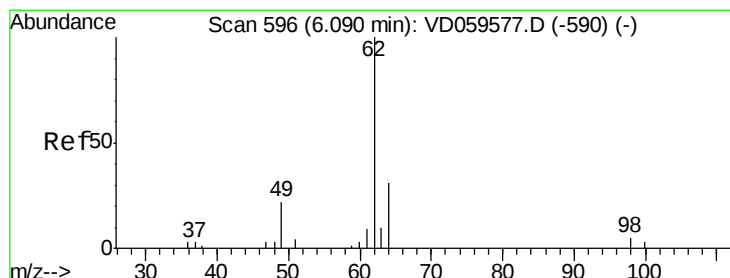
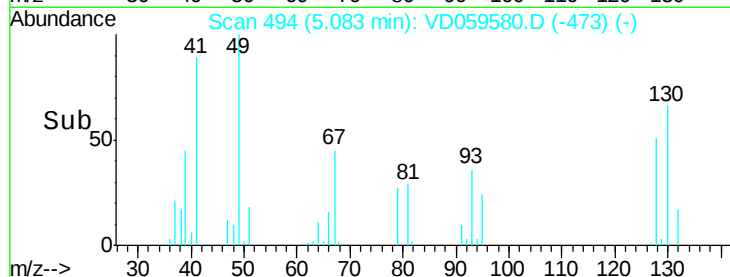
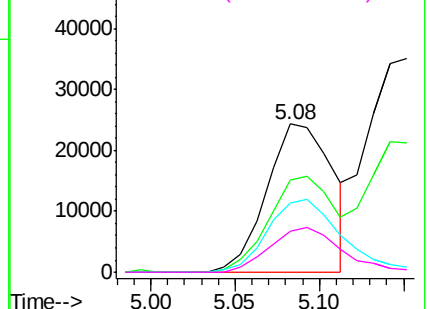


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 218.093 ug/l

RT: 6.09 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD059580.D

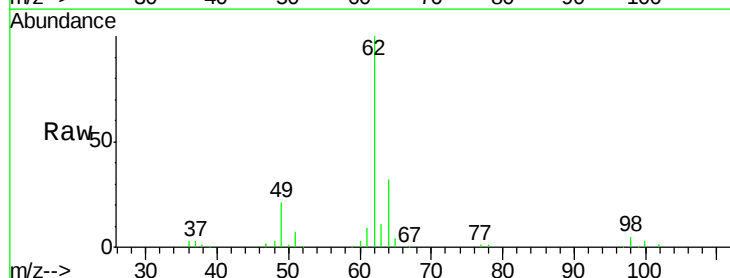
Acq: 24 Jul 2018 19:44

Tgt Ion: 62 Resp: 344991

Ion Ratio Lower Upper

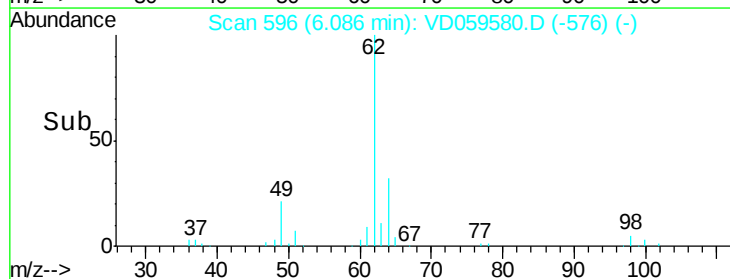
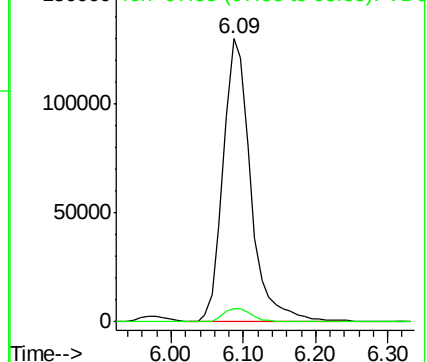
62 100

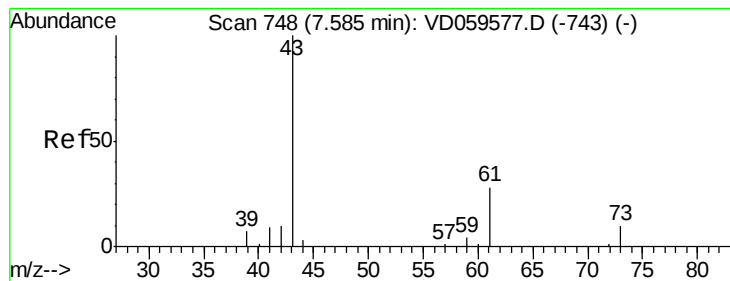
98 4.7 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



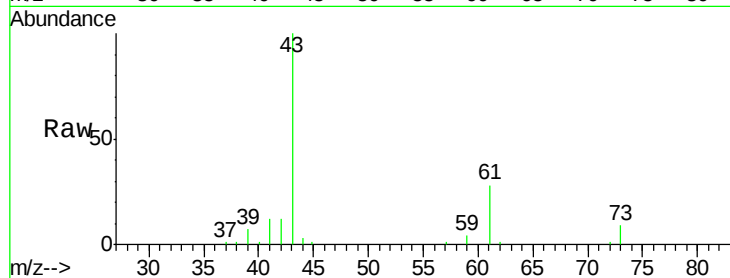


#43

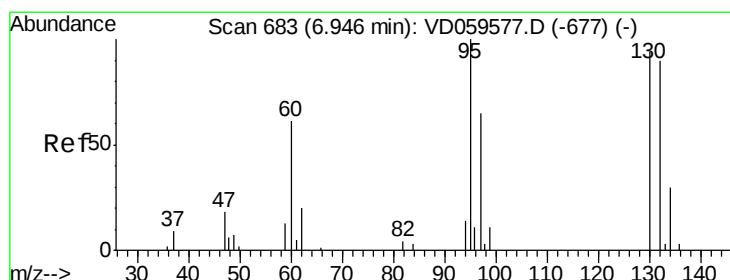
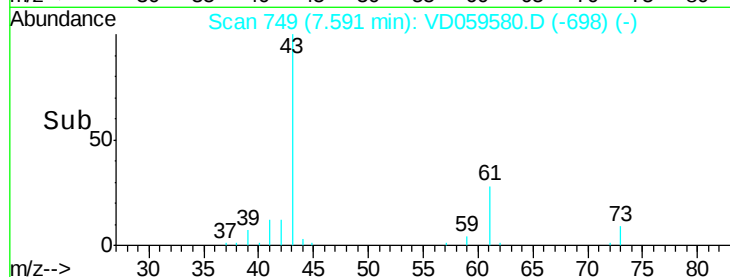
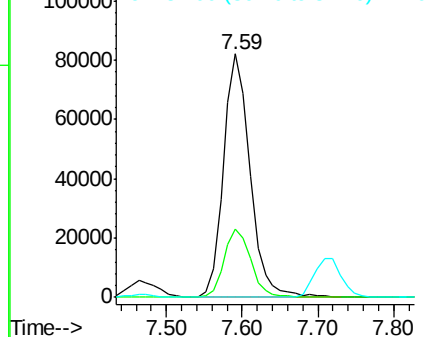
Isopropyl Acetate
 Concen: 206.257 ug/l
 RT: 7.59 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC150

Tot Ion: 43 Resp: 199819
 Ion Ratio Lower Upper
 43 100
 61 27.8 22.0 33.0
 87 0.0 0.0 0.0



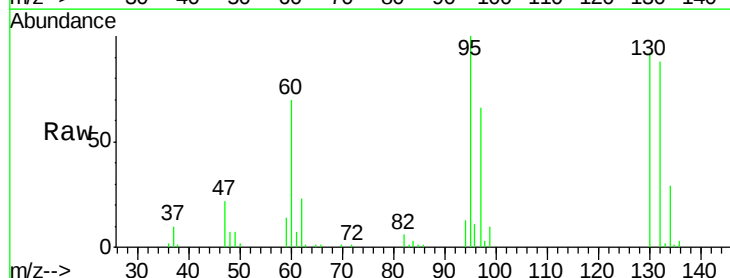
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



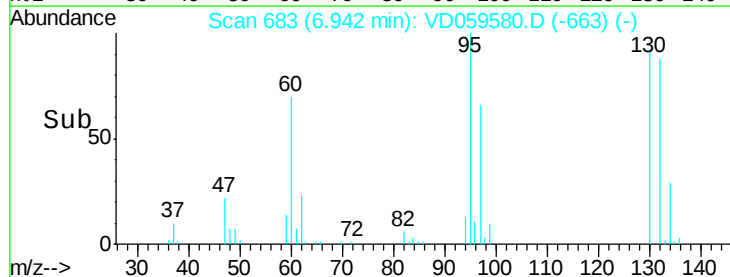
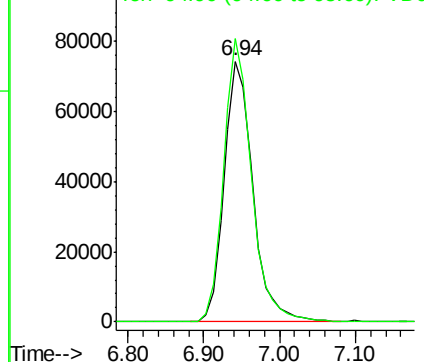
#44

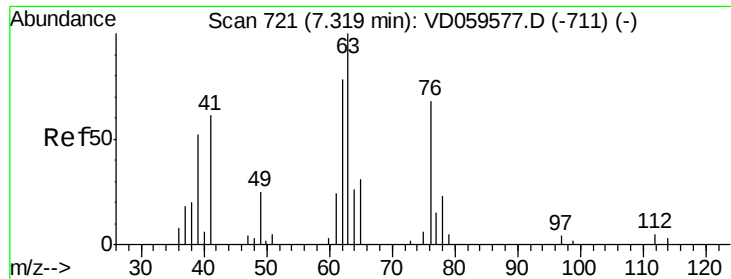
Trichloroethene
 Concen: 120.253 ug/l
 RT: 6.94 min Scan# 683
 Delta R.T. -0.00 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Tgt Ion: 130 Resp: 194558
 Ion Ratio Lower Upper
 130 100
 95 108.5 0.0 213.2



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





#45

1,2-Dichloropropane

Concen: 156.946 ug/l

RT: 7.32 min Scan# 721

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

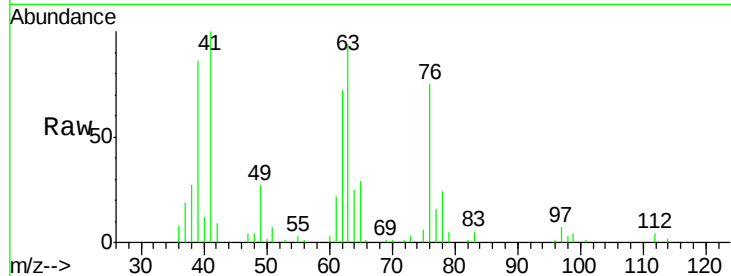
VSTDIC150

Tot Ion: 63 Resp: 147111

Ion Ratio Lower Upper

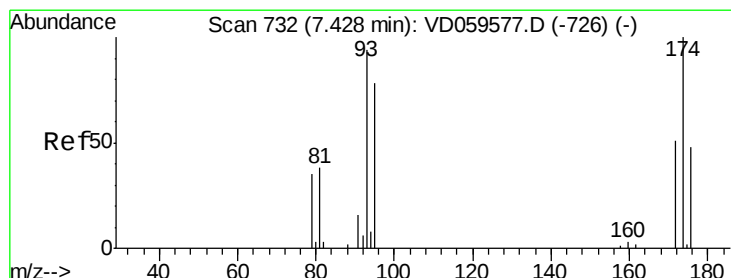
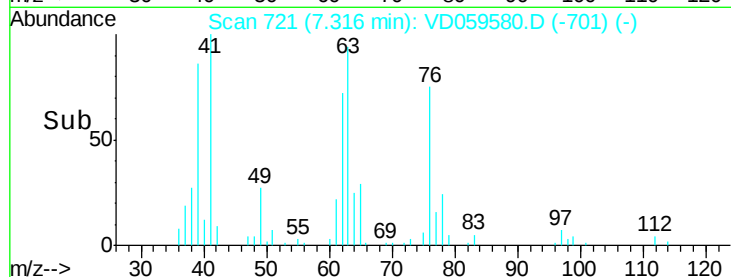
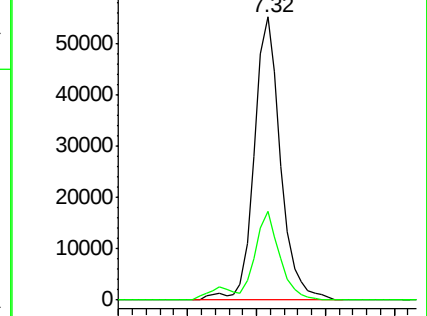
63 100

65 31.2 24.9 37.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 183.618 ug/l

RT: 7.42 min Scan# 732

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

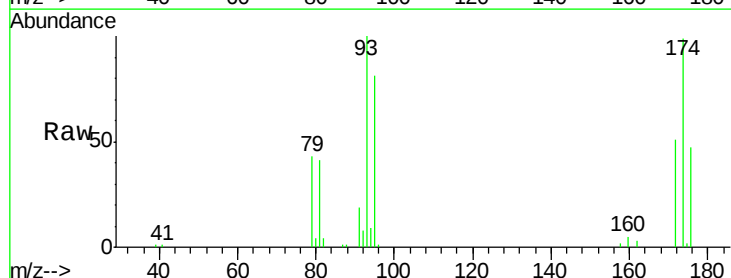
Tgt Ion: 93 Resp: 134902

Ion Ratio Lower Upper

93 100

95 81.1 65.8 98.8

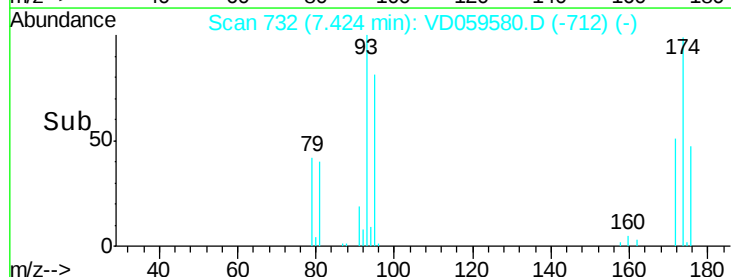
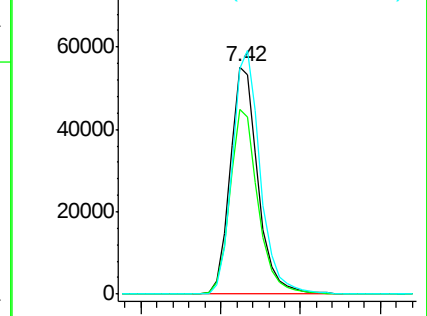
174 99.2 84.7 127.1

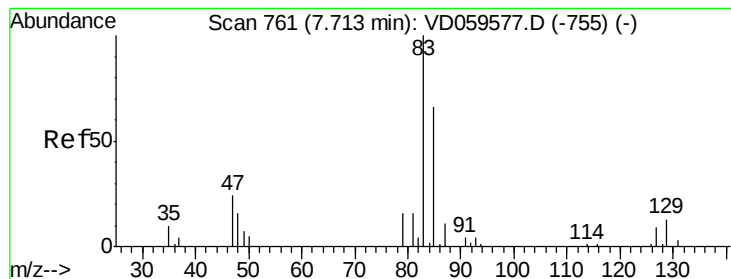


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 185.073 ug/l

RT: 7.71 min Scan# 761

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

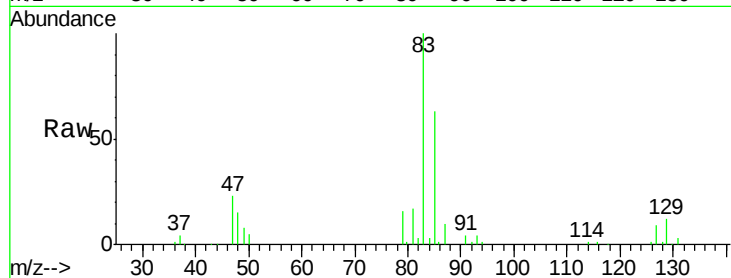
Tot Ion: 83 Resp: 319213

Ion Ratio Lower Upper

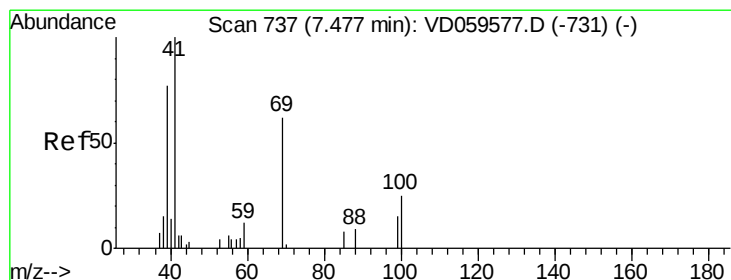
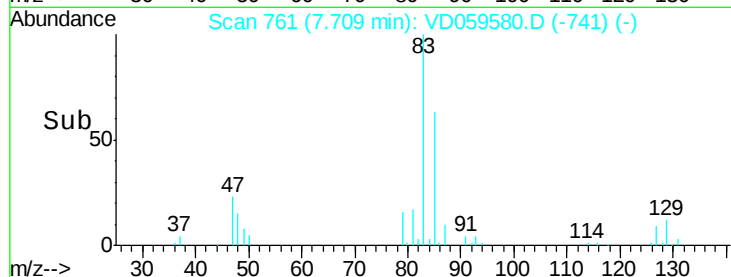
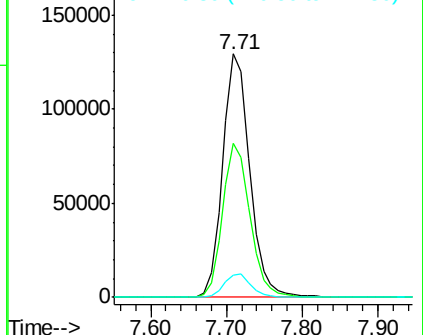
83 100

85 63.2 53.1 79.7

127 9.0 7.4 11.0



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



#48

Methyl methacrylate

Concen: 203.501 ug/l

RT: 7.47 min Scan# 737

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

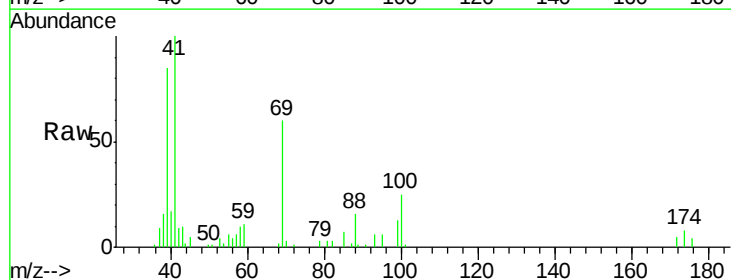
Tgt Ion: 41 Resp: 132026

Ion Ratio Lower Upper

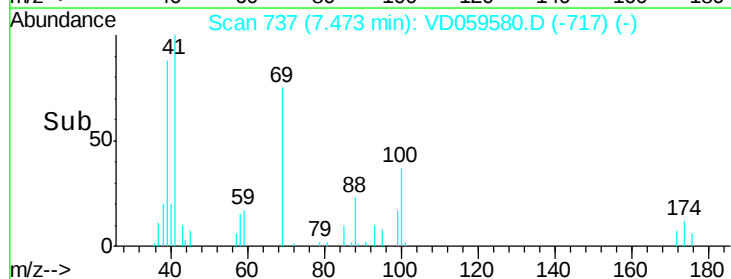
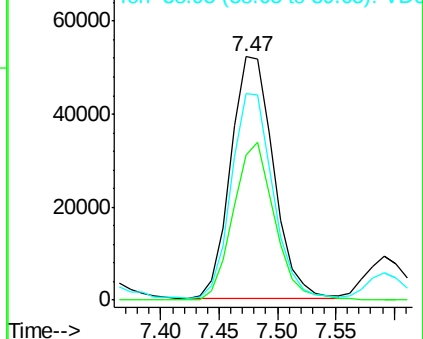
41 100

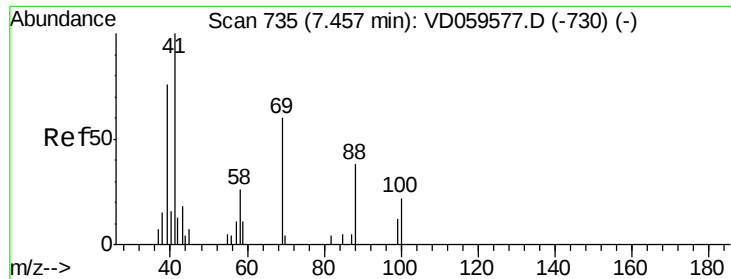
69 59.6 49.4 74.0

39 84.7 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

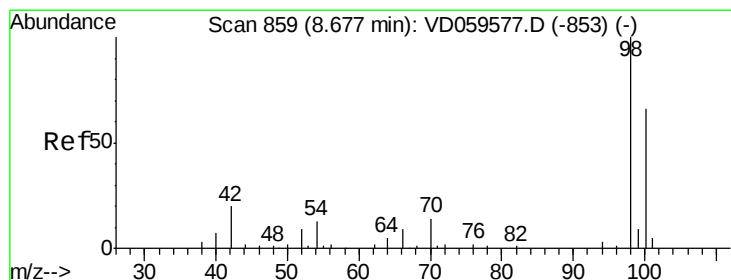
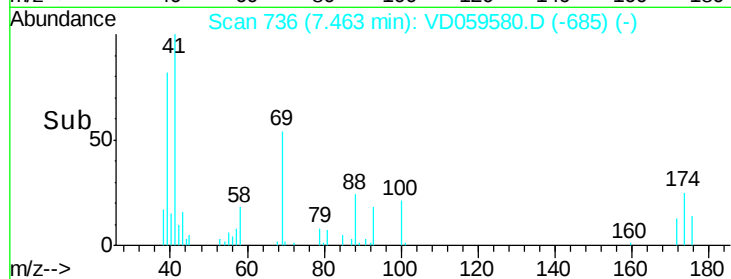
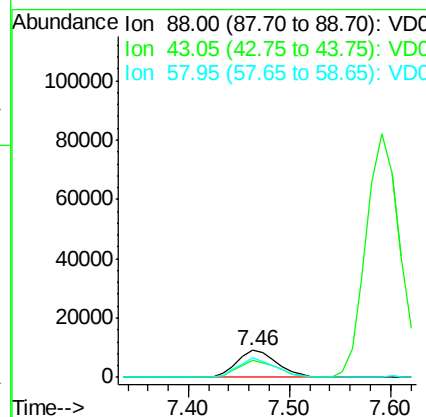
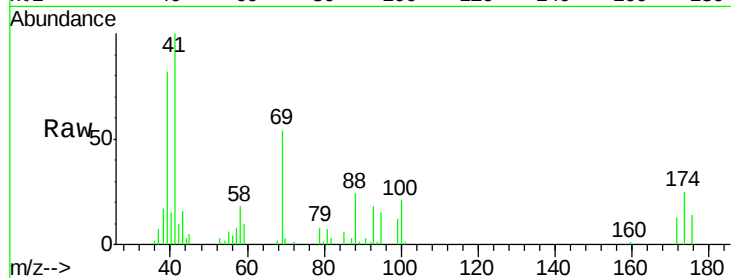




#49
1,4-Dioxane
Concen: 3698.267 ug/l
RT: 7.46 min Scan# 736
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

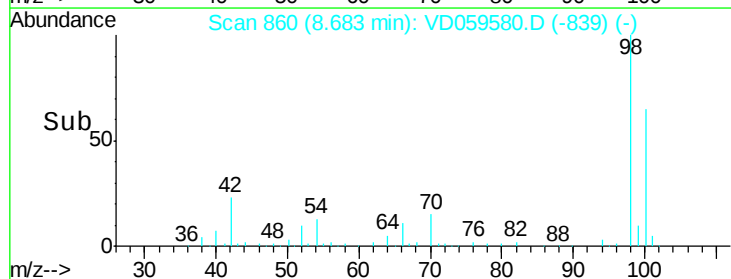
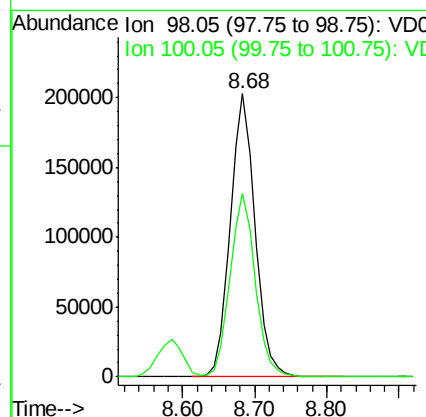
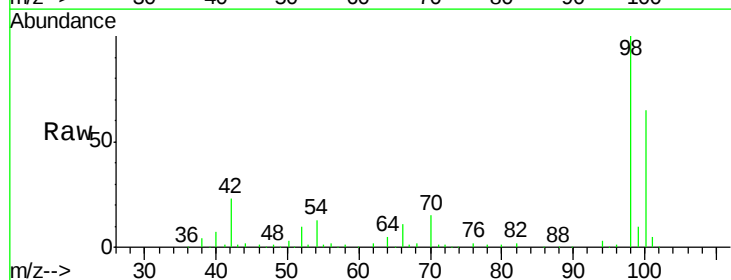
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

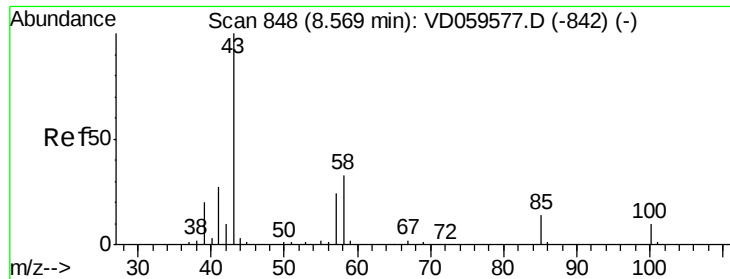
Tot Ion: 88 Resp: 25505
Ion Ratio Lower Upper
88 100
43 65.4 37.4 56.2#
58 74.2 55.6 83.4



#50
Toluene-d8
Concen: 3698.267 ug/l
RT: 8.68 min Scan# 860
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion: 98 Resp: 483348
Ion Ratio Lower Upper
98 100
100 64.6 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 951.543 ug/l

RT: 8.58 min Scan# 850

Delta R.T. 0.02 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

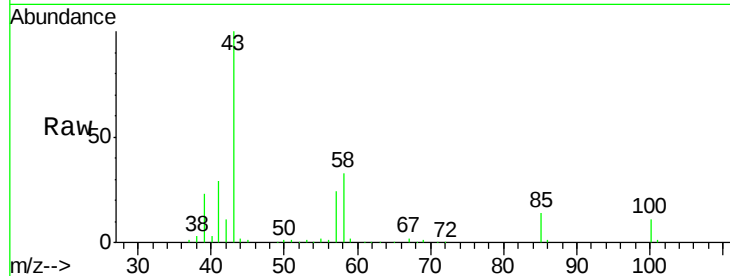
VSTDIC150

Tot Ion: 43 Resp: 618629

Ion Ratio Lower Upper

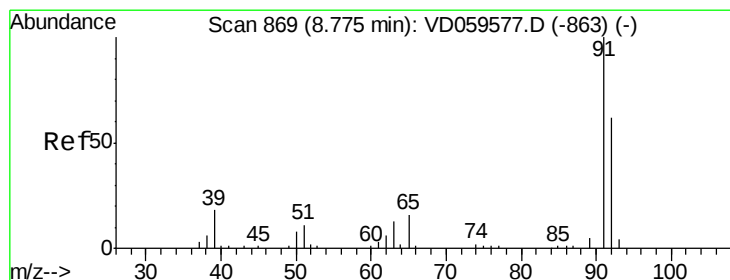
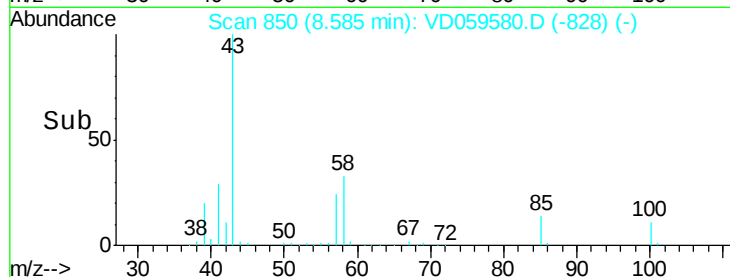
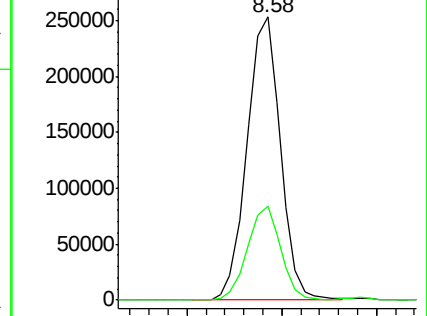
43 100

58 33.3 26.3 39.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 136.993 ug/l

RT: 8.78 min Scan# 870

Delta R.T. 0.01 min

Lab File: VD059580.D

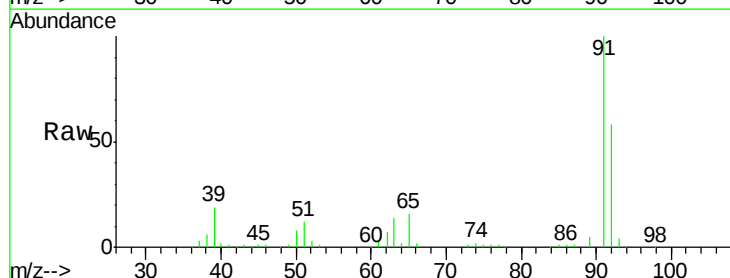
Acq: 24 Jul 2018 19:44

Tgt Ion: 92 Resp: 324755

Ion Ratio Lower Upper

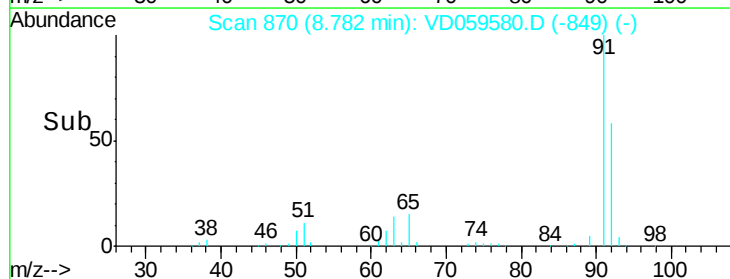
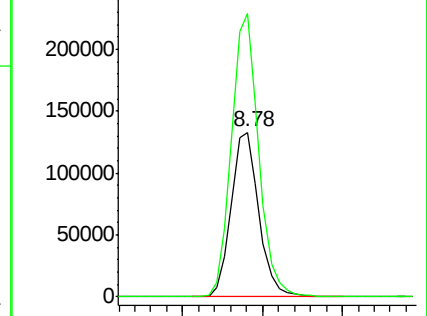
92 100

91 171.7 129.4 194.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

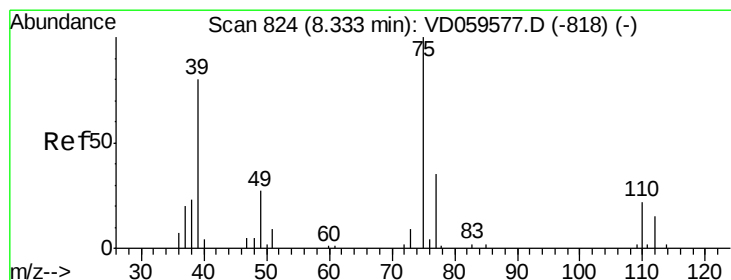
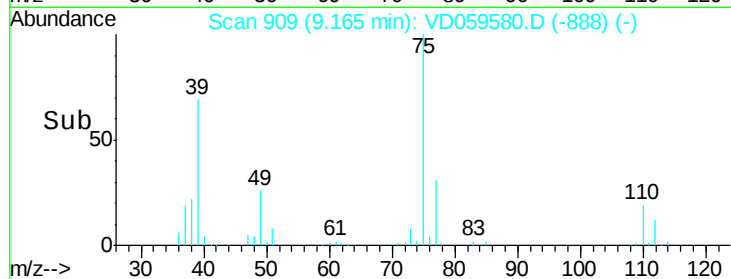
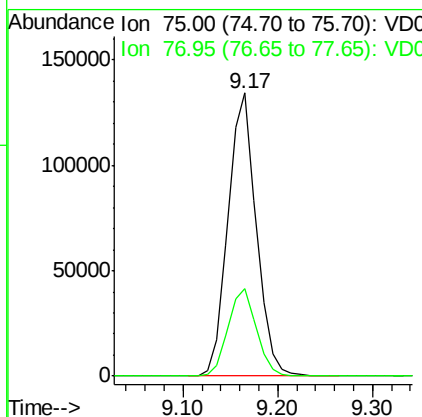
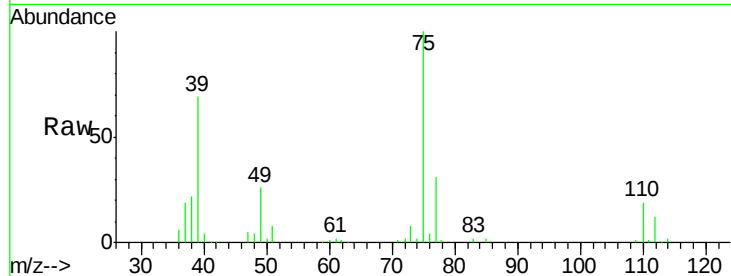




#53
 t-1,3-Dichloropropene
 Concen: 201.769 ug/l
 RT: 9.17 min Scan# 909
 Delta R.T. 0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

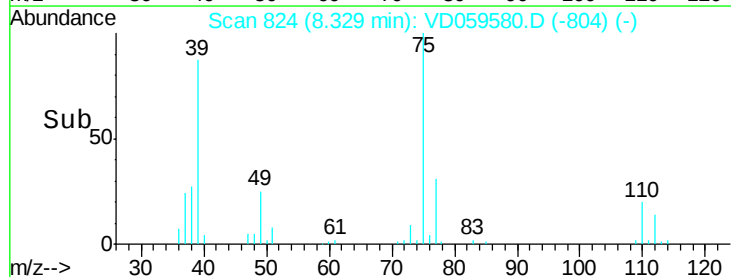
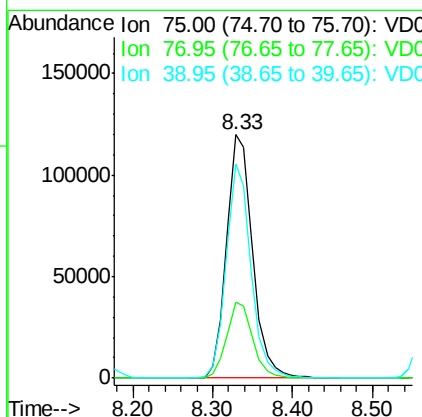
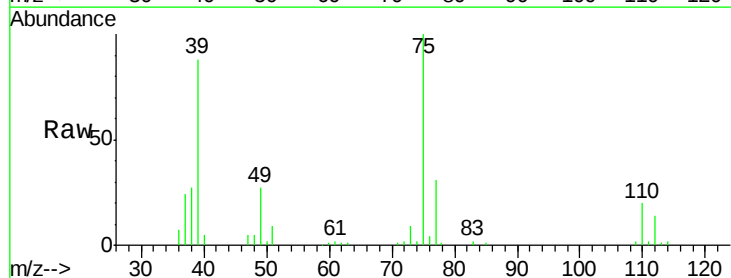
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

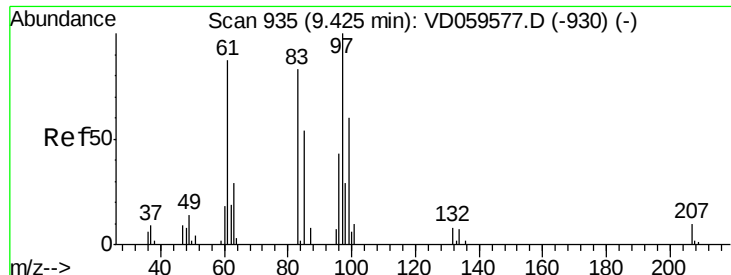
Tot Ion: 75 Resp: 277953
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 182.128 ug/l
 RT: 8.33 min Scan# 824
 Delta R.T. -0.00 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Tgt Ion: 75 Resp: 275825
 Ion Ratio Lower Upper
 75 100
 77 31.0 27.7 41.5
 39 88.1 63.8 95.8





#55

1,1,2-Trichloroethane

Concen: 151.822 ug/l

RT: 9.43 min Scan# 936

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 97 Resp: 129939

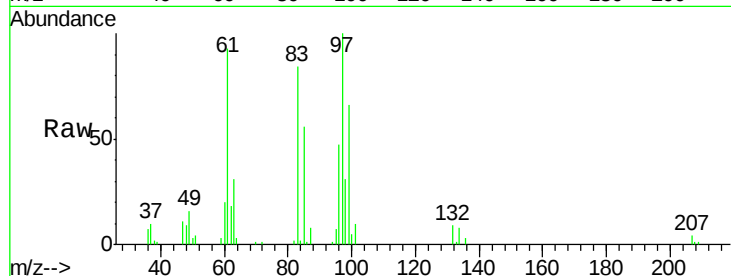
Ion Ratio Lower Upper

97 100

83 83.6 66.3 99.5

85 55.9 43.0 64.6

99 65.6 47.7 71.5

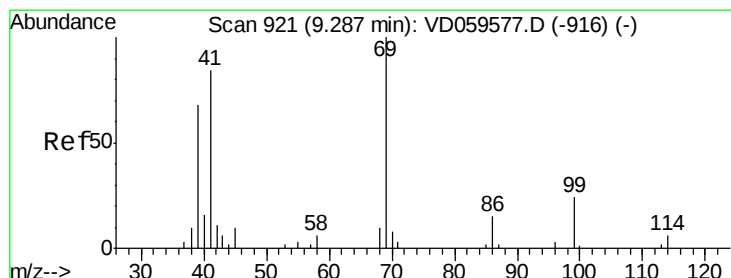
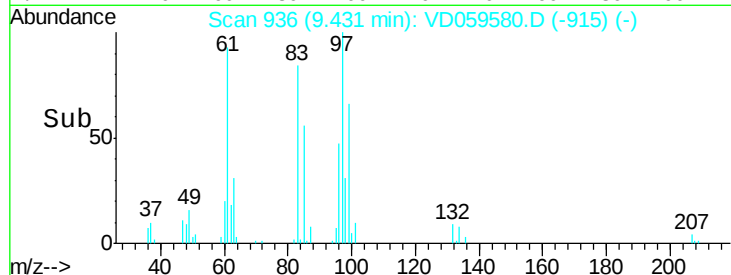
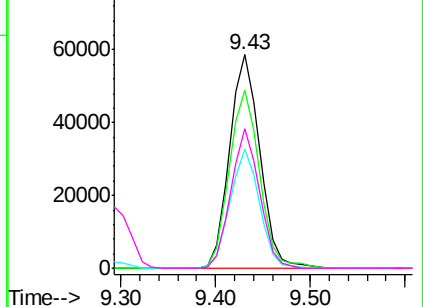


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 170.595 ug/l

RT: 9.29 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

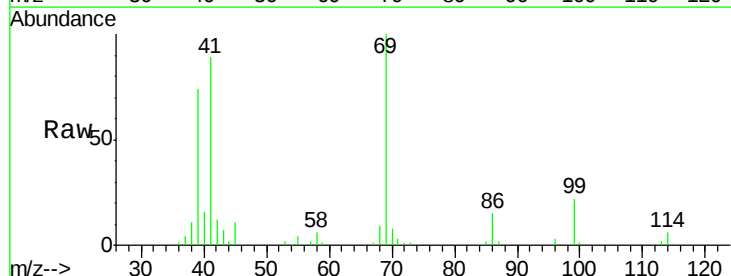
Tgt Ion: 69 Resp: 158679

Ion Ratio Lower Upper

69 100

41 88.8 66.8 100.2

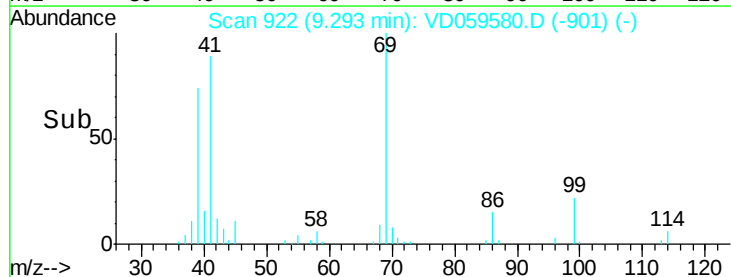
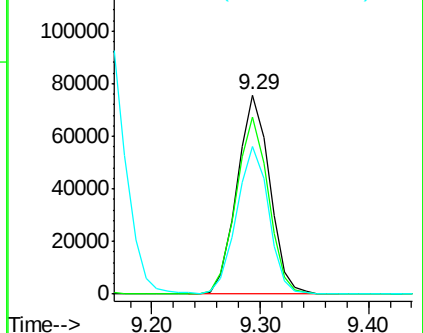
39 74.1 54.7 82.1

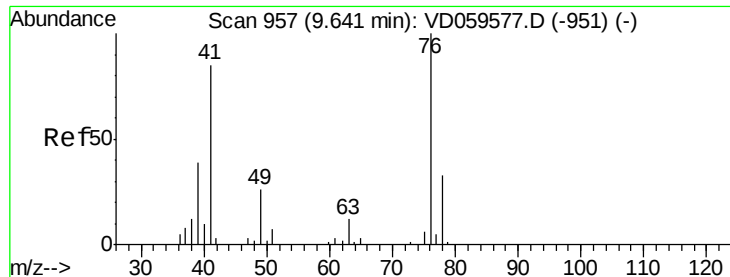


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 160.505 ug/l

RT: 9.64 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

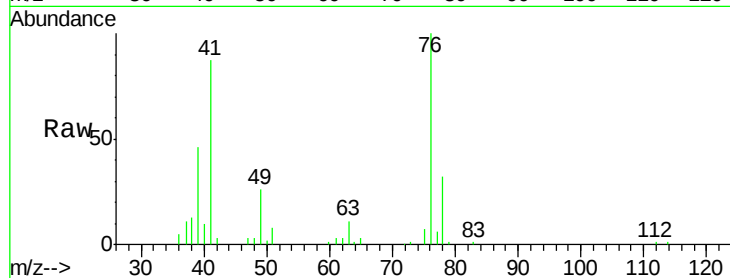
VSTDIC150

Tot Ion: 76 Resp: 213215

Ion Ratio Lower Upper

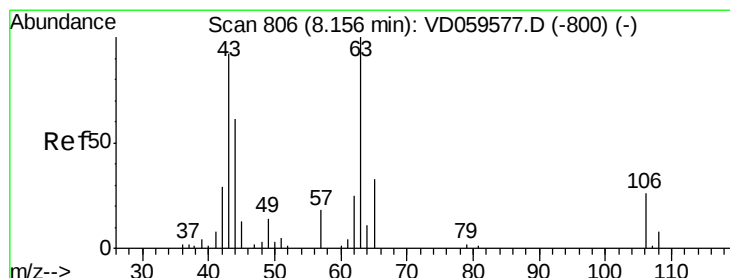
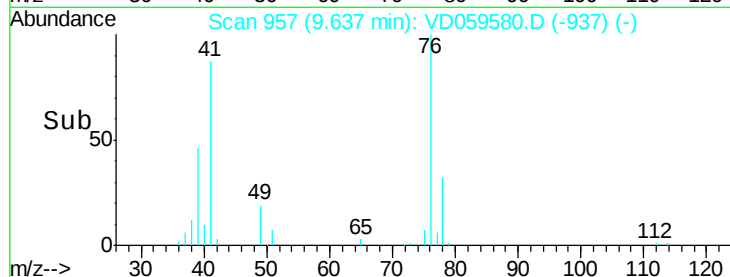
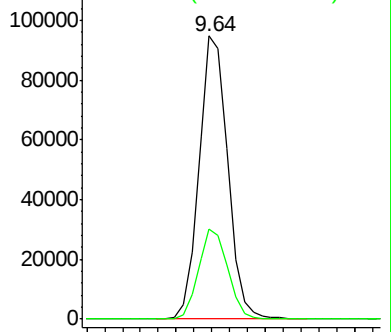
76 100

78 31.9 26.0 39.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 819.622 ug/l

RT: 8.17 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059580.D

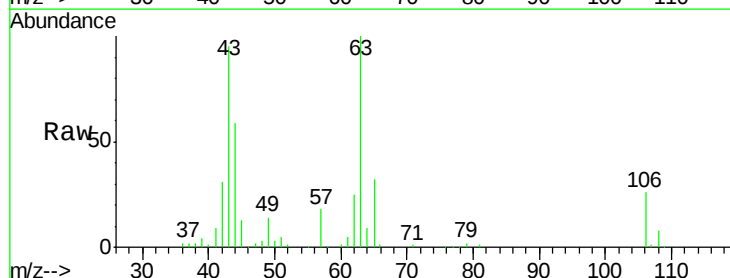
Acq: 24 Jul 2018 19:44

Tgt Ion: 63 Resp: 345651

Ion Ratio Lower Upper

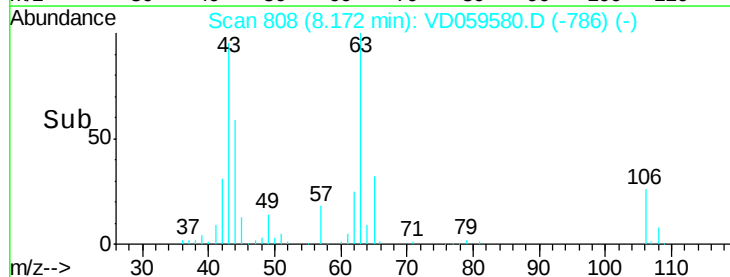
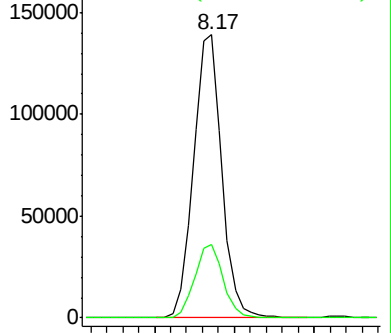
63 100

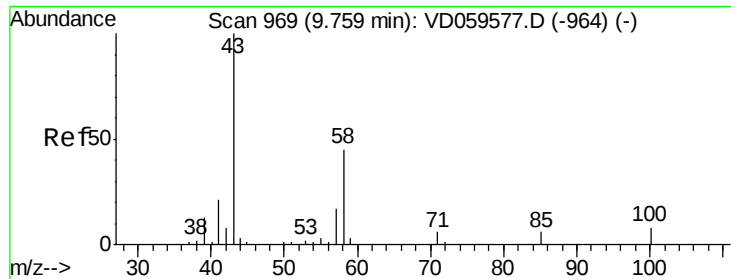
106 25.9 21.0 31.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

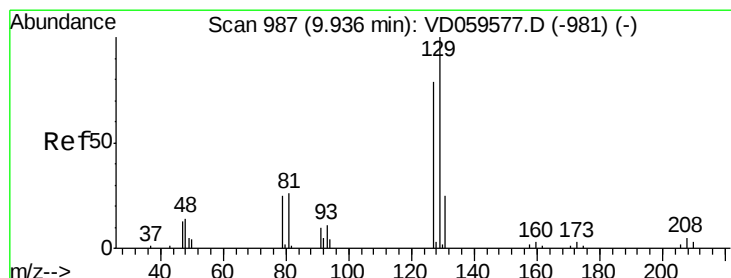
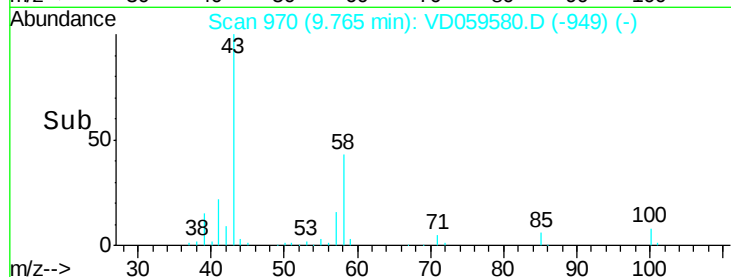
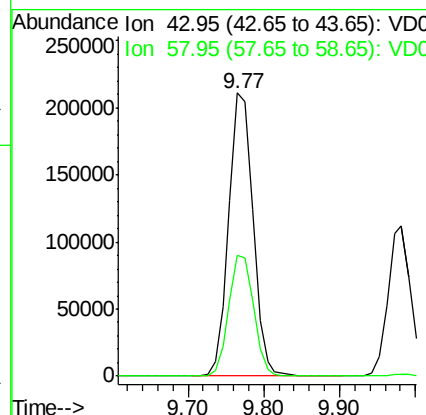
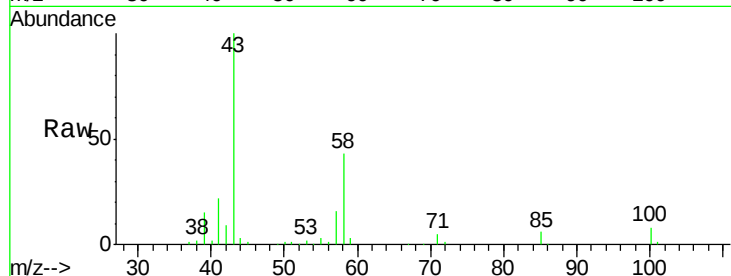




#59
2-Hexanone
Concen: 1009.209 ug/l
RT: 9.77 min Scan# 970
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

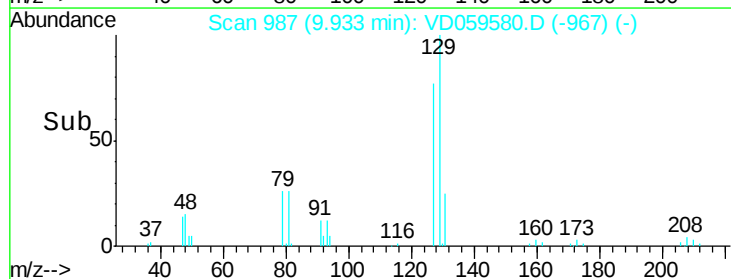
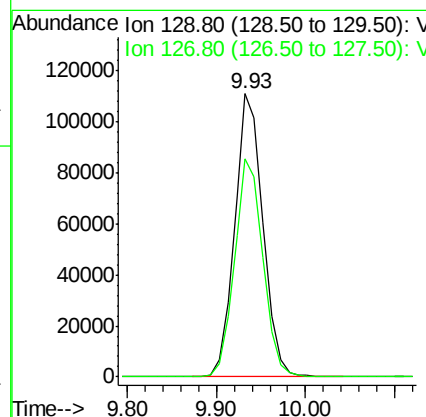
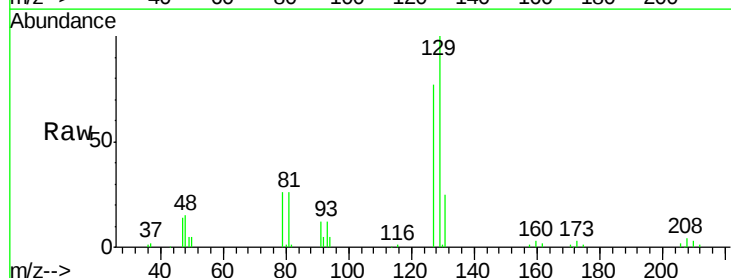
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

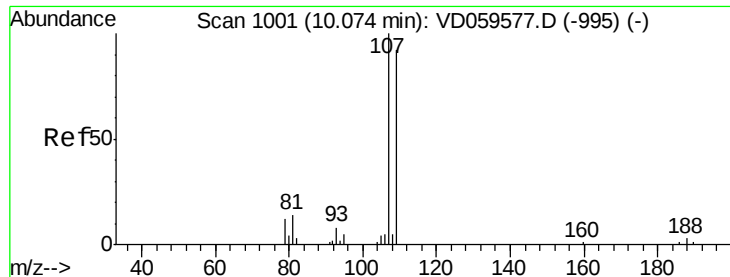
Tot Ion: 43 Resp: 470973
Ion Ratio Lower Upper
43 100
58 42.6 22.7 68.1



#60
Dibromochloromethane
Concen: 159.228 ug/l
RT: 9.93 min Scan# 987
Delta R.T. -0.00 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion: 129 Resp: 244542
Ion Ratio Lower Upper
129 100
127 77.2 39.3 117.9





#61

1,2-Dibromoethane

Concen: 169.221 ug/l

RT: 10.07 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

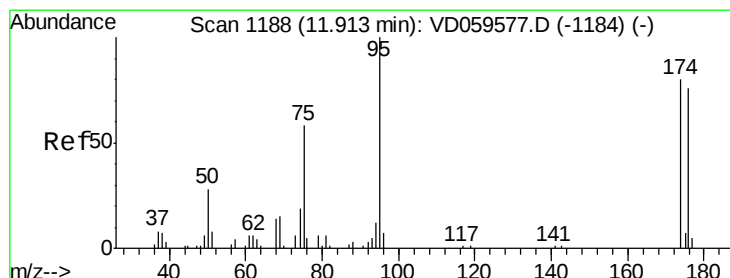
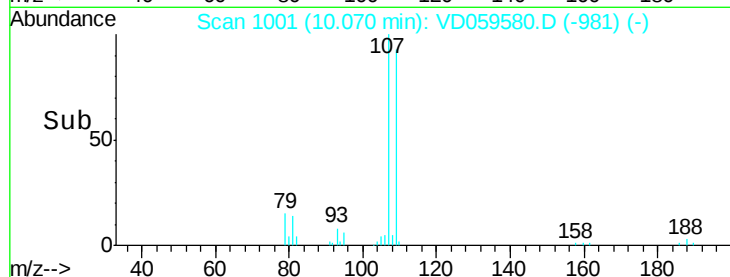
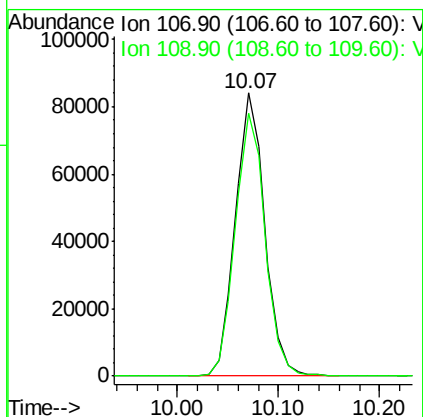
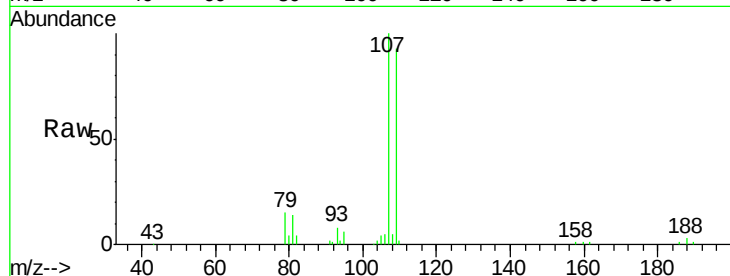
VSTDIC150

Tot Ion:107 Resp: 170425

Ion Ratio Lower Upper

107 100

109 92.8 73.4 110.0



#62

4-Bromofluorobenzene

Concen: 169.221 ug/l

RT: 11.92 min Scan# 1189

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

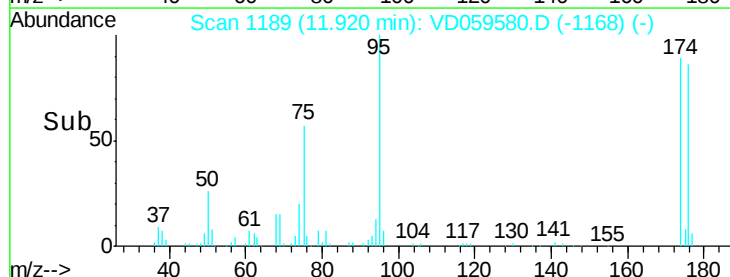
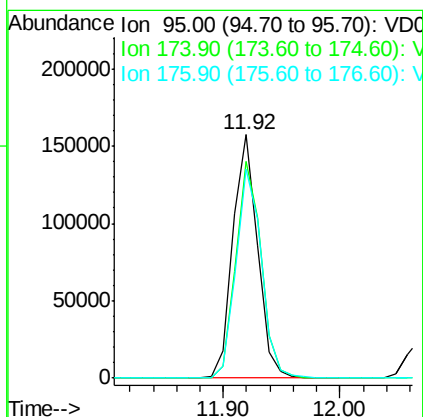
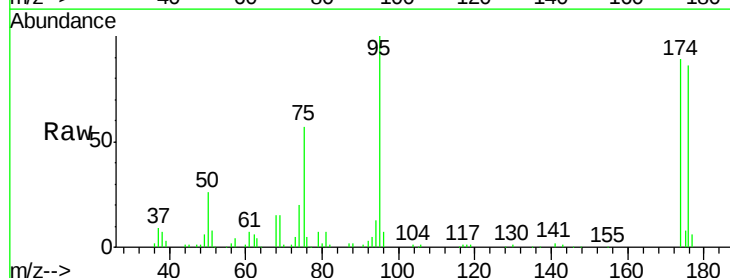
Tgt Ion: 95 Resp: 230517

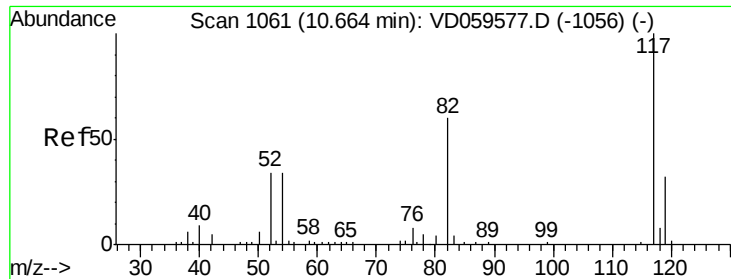
Ion Ratio Lower Upper

95 100

174 89.1 0.0 160.6

176 85.8 0.0 152.8

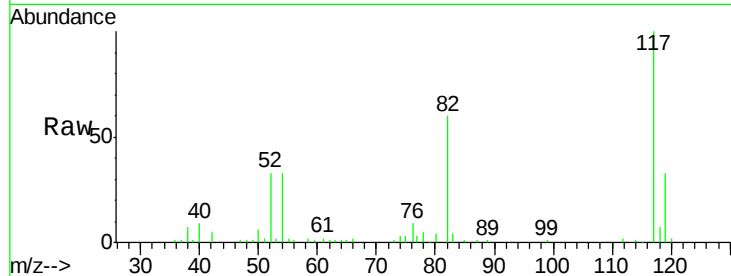




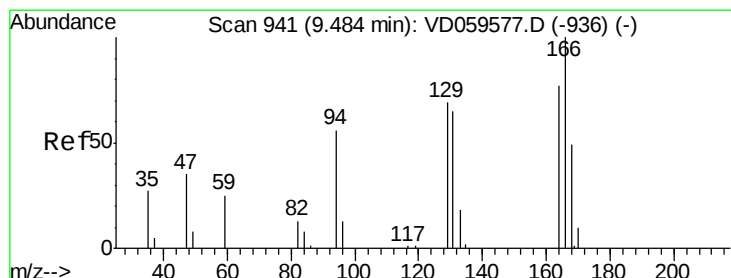
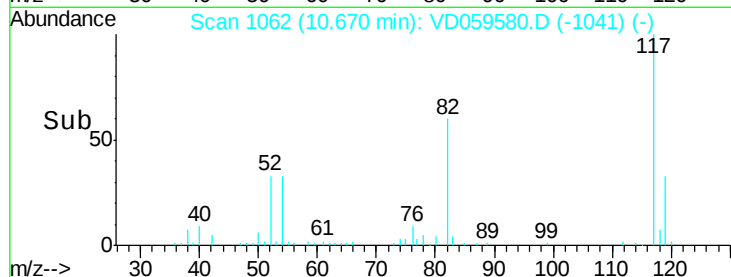
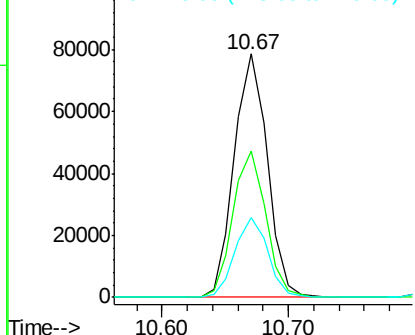
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.67 min Scan# 1062
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:117 Resp: 142663
Ion Ratio Lower Upper
117 100
82 60.3 48.2 72.2
119 32.7 25.4 38.2



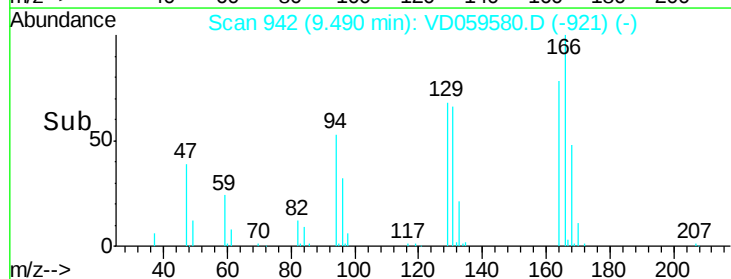
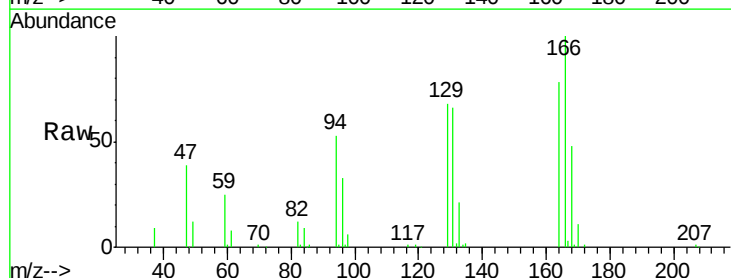
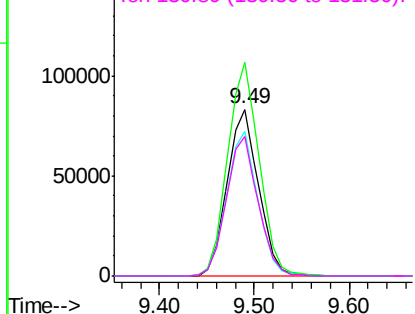
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

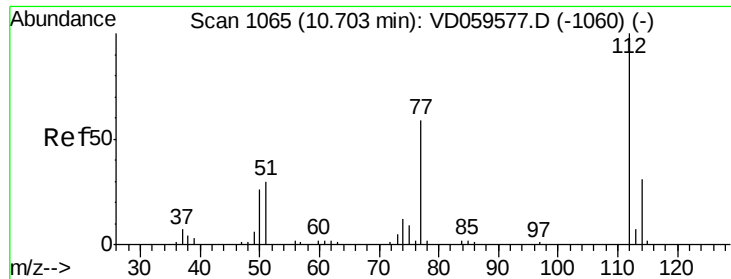


#64
Tetrachloroethene
Concen: 99.750 ug/l
RT: 9.49 min Scan# 942
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion:164 Resp: 190861
Ion Ratio Lower Upper
164 100
166 127.9 104.0 156.0
129 87.0 72.2 108.4
131 83.8 67.7 101.5

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

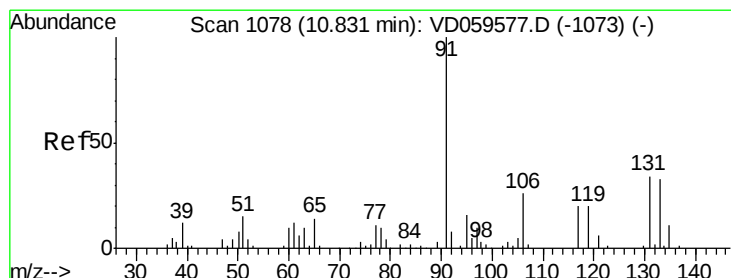
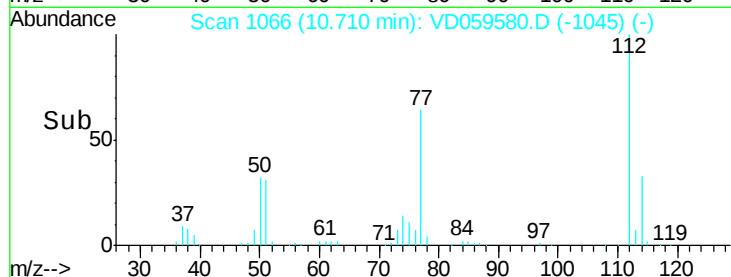
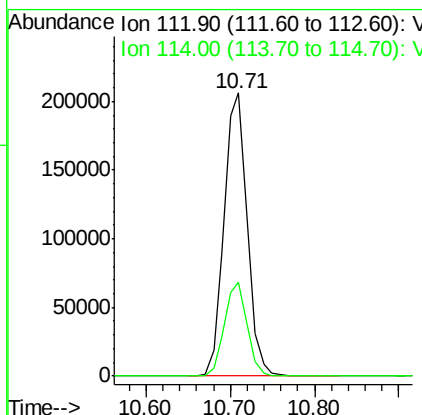
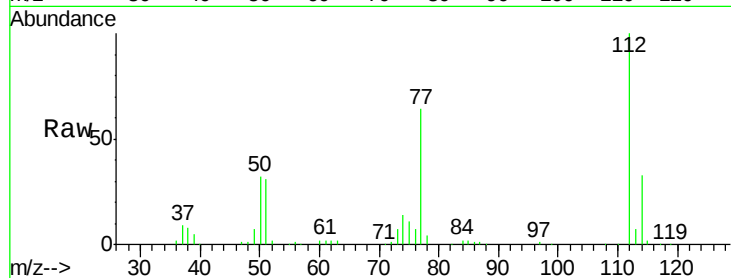




#65
Chlorobenzene
Concen: 139.534 ug/l
RT: 10.71 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

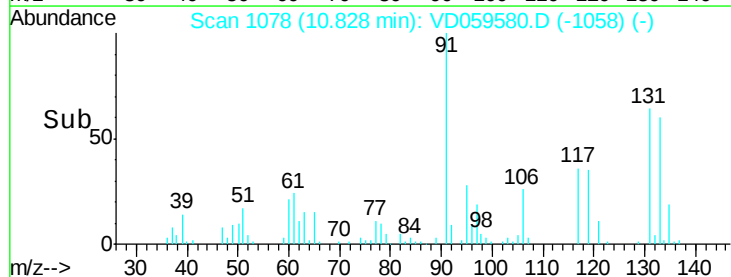
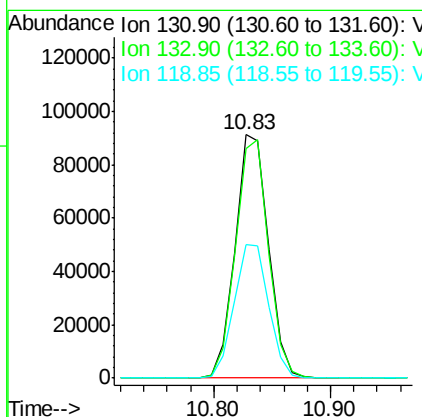
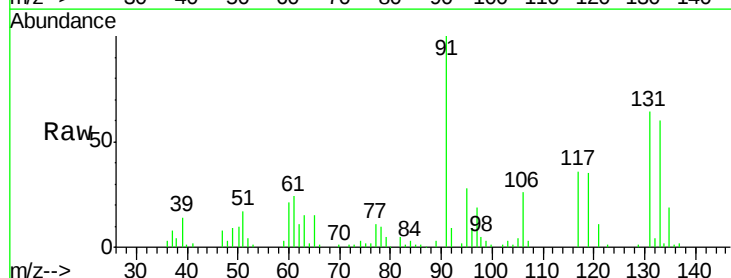
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

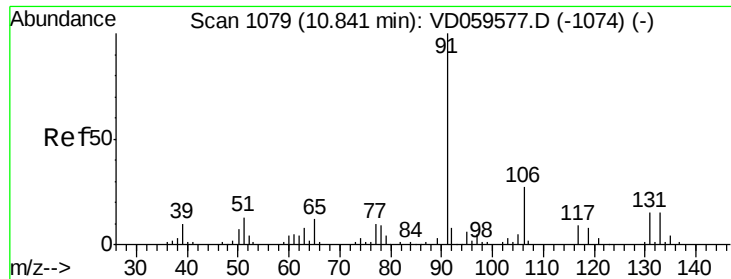
Tot Ion:112 Resp: 392053
Ion Ratio Lower Upper
112 100
114 33.3 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 150.516 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion:131 Resp: 180168
Ion Ratio Lower Upper
131 100
133 94.3 47.9 143.7
119 54.8 28.7 86.1

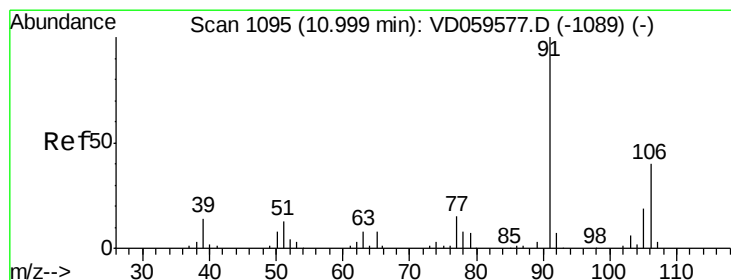
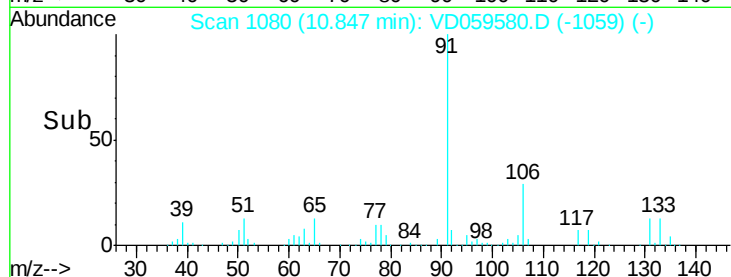
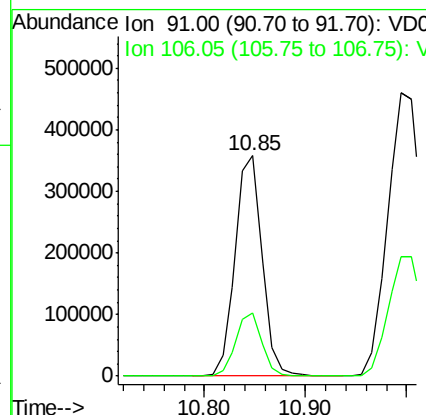
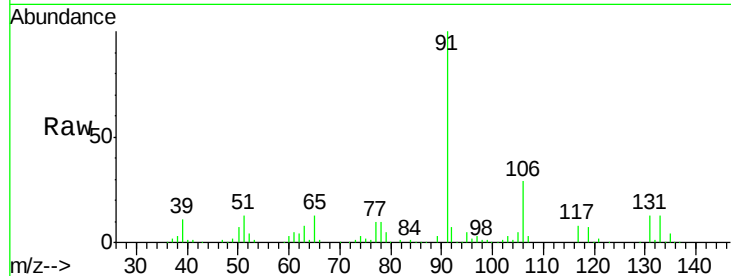




#67
Ethyl Benzene
Concen: 157.785 ug/l
RT: 10.85 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

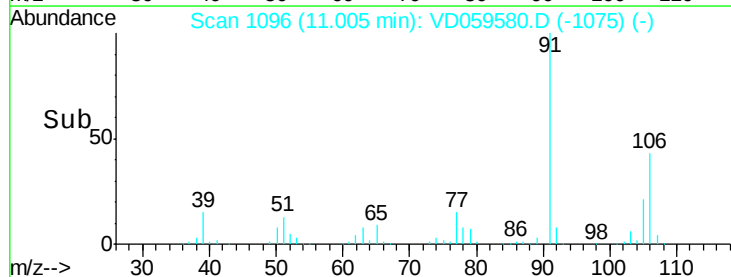
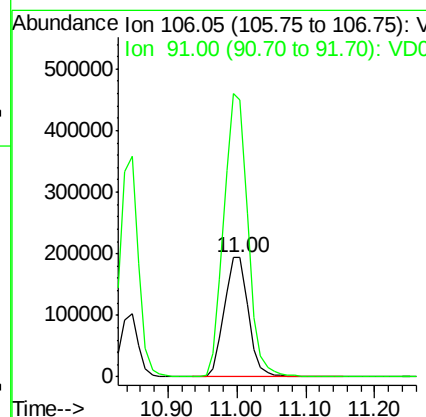
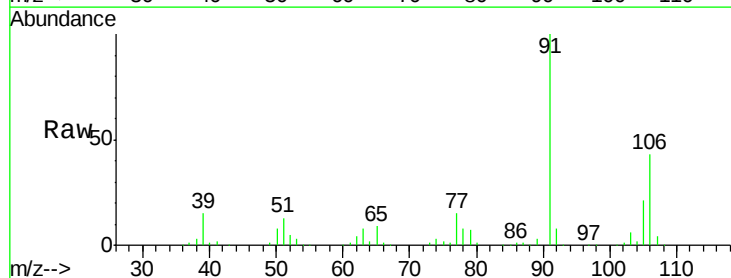
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

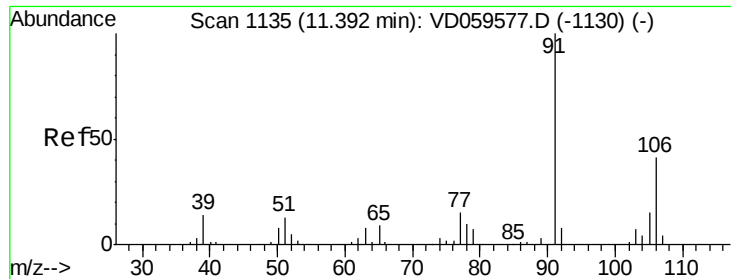
Tot Ion: 91 Resp: 663263
Ion Ratio Lower Upper
91 100
106 28.8 21.6 32.4



#68
m/p-Xylenes
Concen: 307.430 ug/l
RT: 11.00 min Scan# 1096
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion: 106 Resp: 471571
Ion Ratio Lower Upper
106 100
91 231.4 198.2 297.4

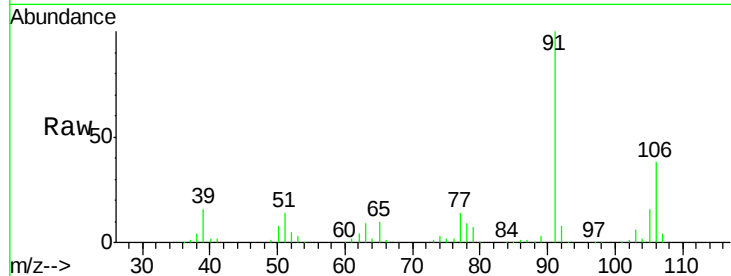




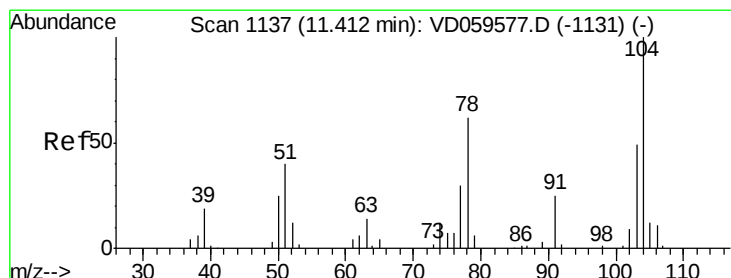
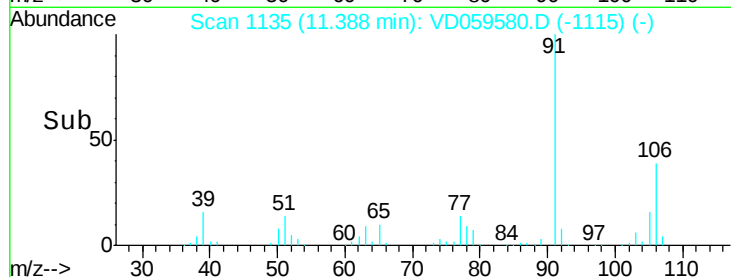
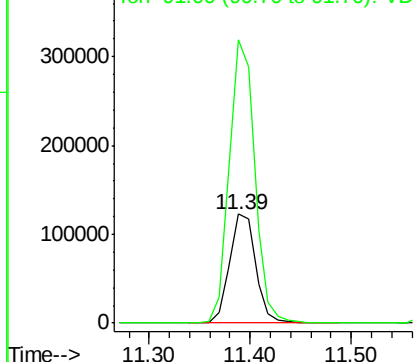
#69
o-Xylene
Concen: 147.689 ug/l
RT: 11.39 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 220413
Ion Ratio Lower Upper
106 100
91 259.8 122.7 368.1

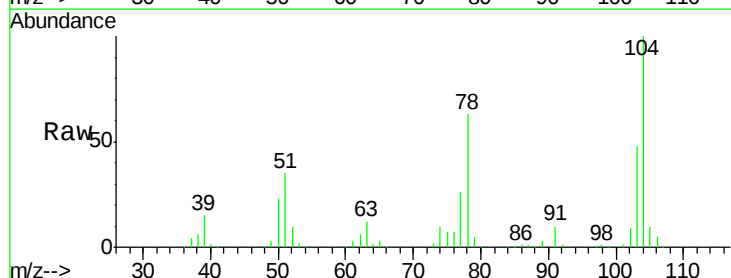


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

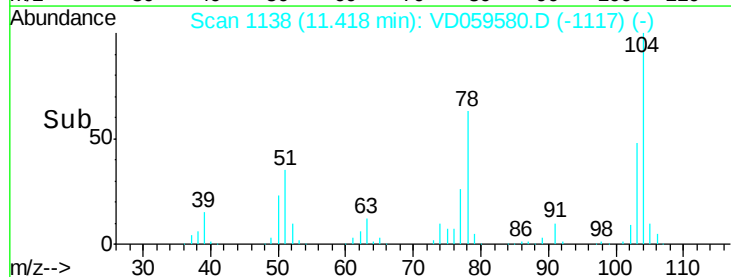
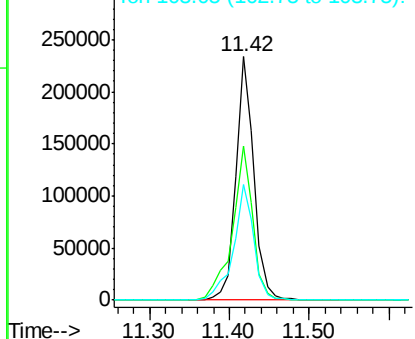


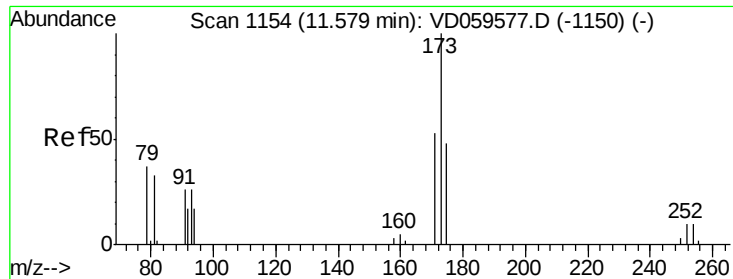
#70
Styrene
Concen: 149.320 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion:104 Resp: 368247
Ion Ratio Lower Upper
104 100
78 63.1 49.4 74.0
103 47.6 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: 156.471 ug/l

RT: 11.59 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

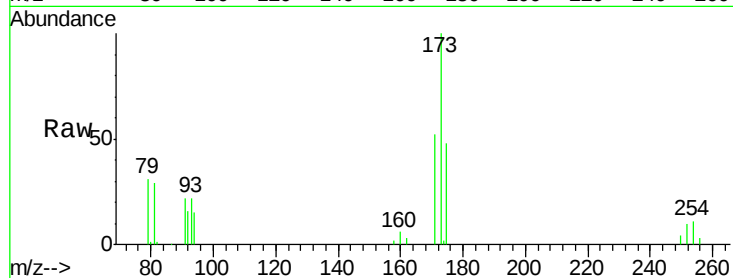
Tot Ion:173 Resp: 172779

Ion Ratio Lower Upper

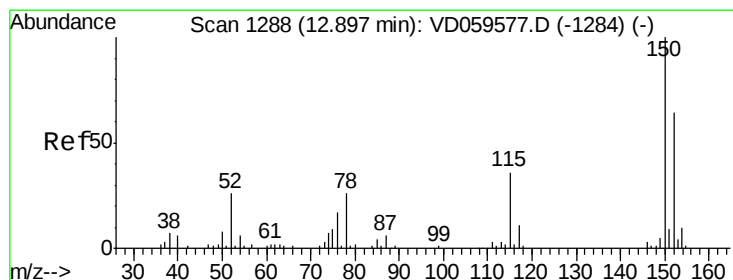
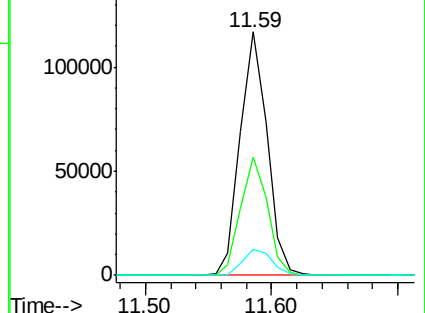
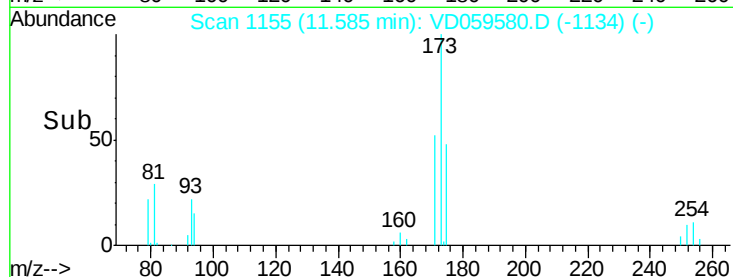
173 100

175 48.4 23.8 71.4

254 10.6 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. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

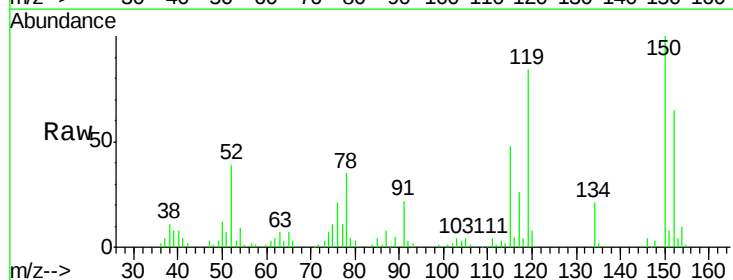
Tgt Ion:152 Resp: 71058

Ion Ratio Lower Upper

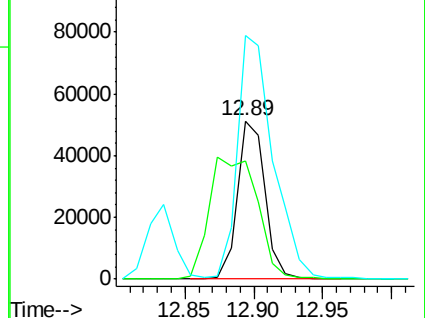
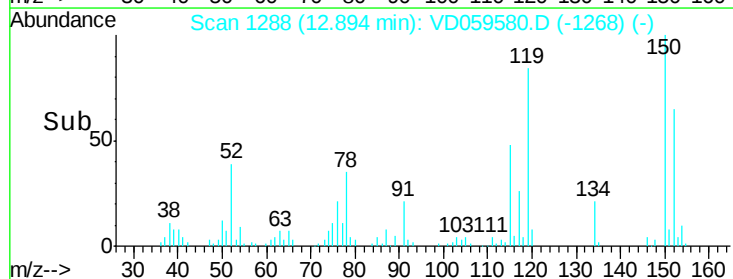
152 100

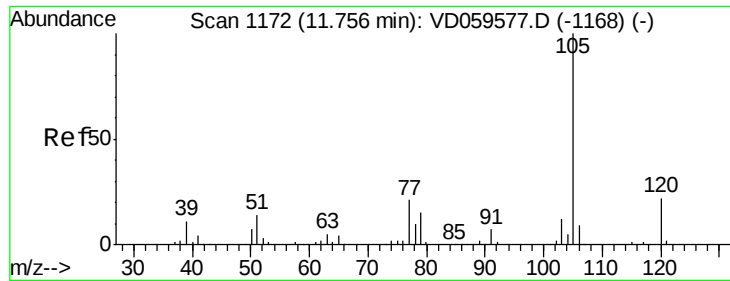
115 74.4 29.5 88.6

150 153.8 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

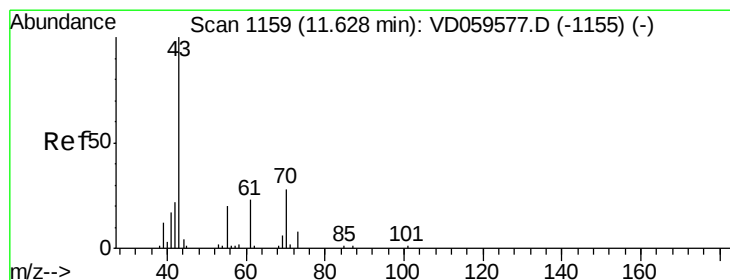
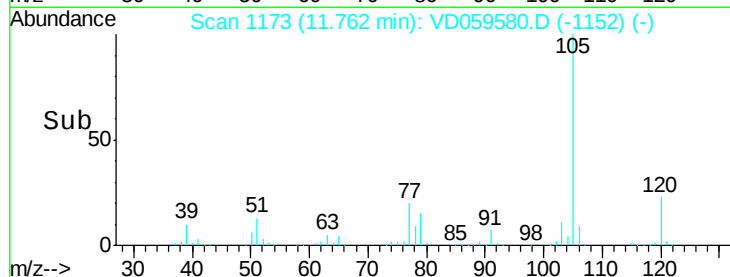
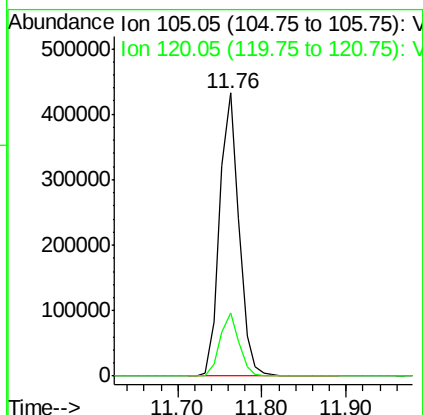
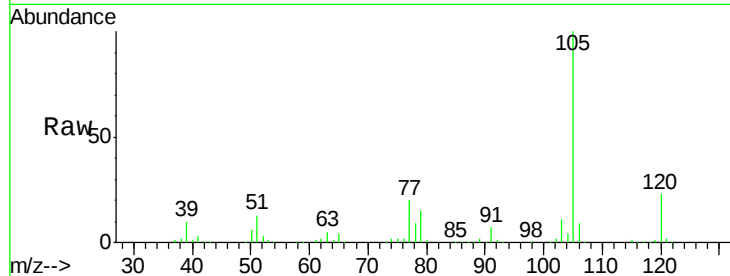




#73
Isopropylbenzene
Concen: 181.908 ug/l
RT: 11.76 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

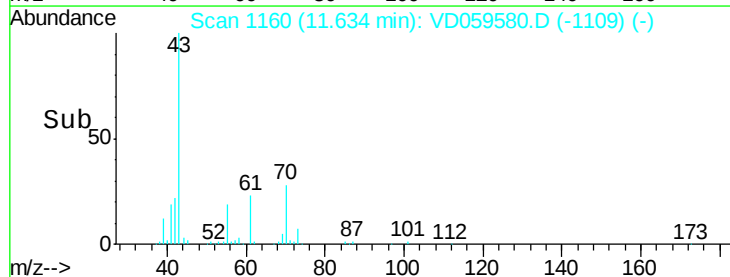
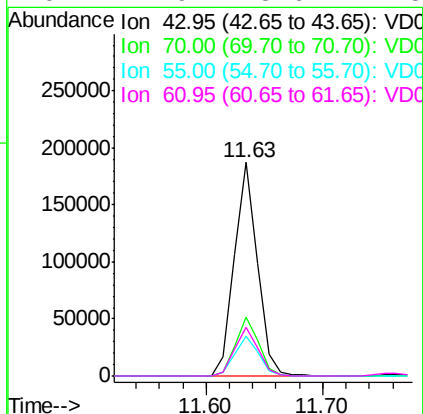
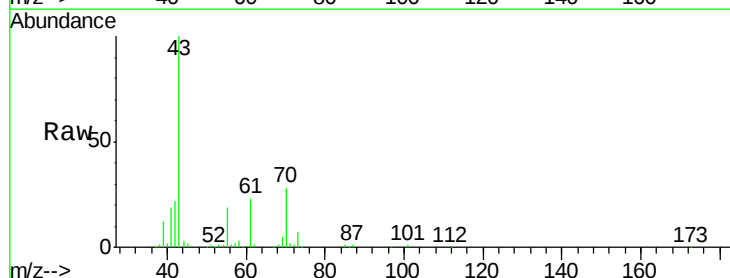
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

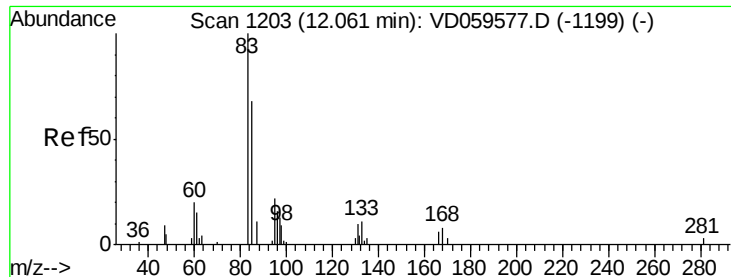
Tot Ion:105 Resp: 692652
Ion Ratio Lower Upper
105 100
120 22.5 10.9 32.7



#74
N-ethyl acetate
Concen: 252.156 ug/l
RT: 11.63 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion: 43 Resp: 256750
Ion Ratio Lower Upper
43 100
70 27.6 22.0 33.0
55 18.6 16.2 24.2
61 22.9 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 185.892 ug/l

RT: 12.07 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

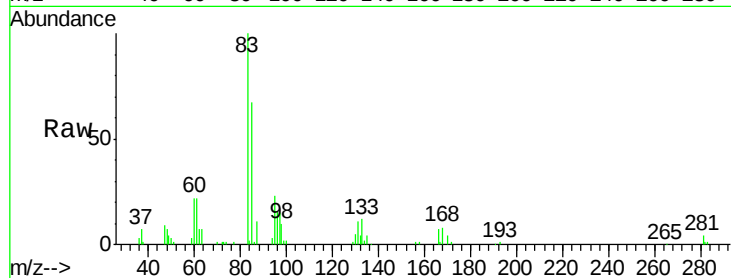
Tot Ion: 83 Resp: 142627

Ion Ratio Lower Upper

83 100

131 11.4 5.1 15.2

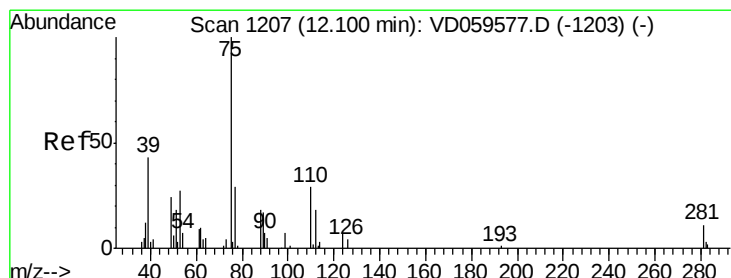
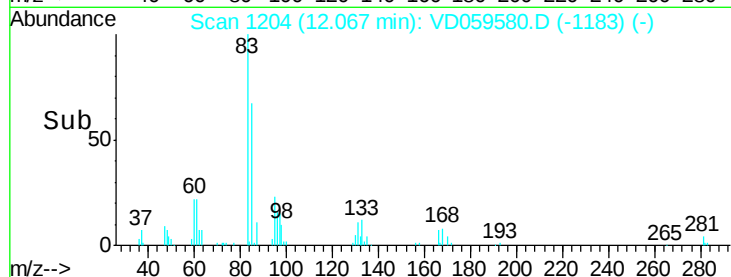
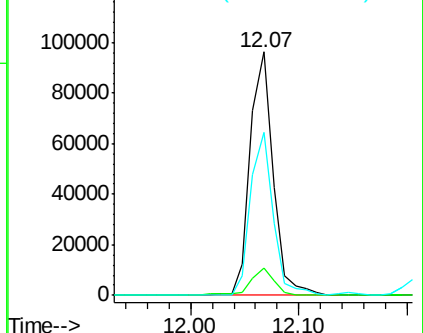
85 66.7 34.1 102.3



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: 214.740 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD059580.D

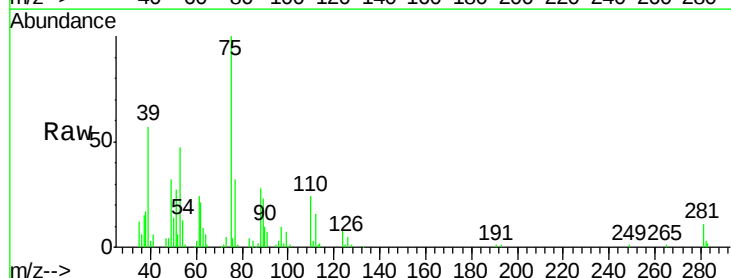
Acq: 24 Jul 2018 19:44

Tgt Ion: 75 Resp: 169823

Ion Ratio Lower Upper

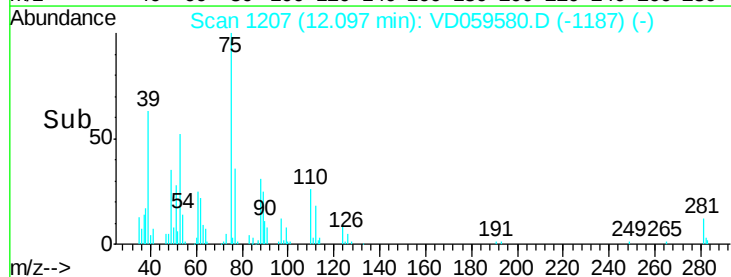
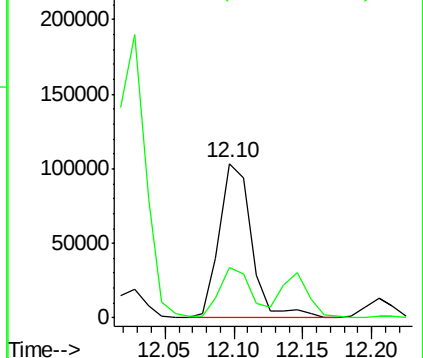
75 100

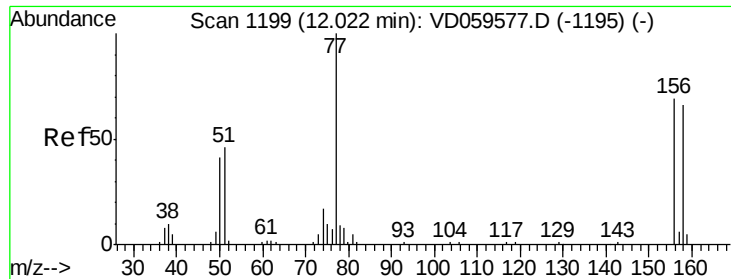
77 32.4 15.6 46.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 136.888 ug/l

RT: 12.03 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

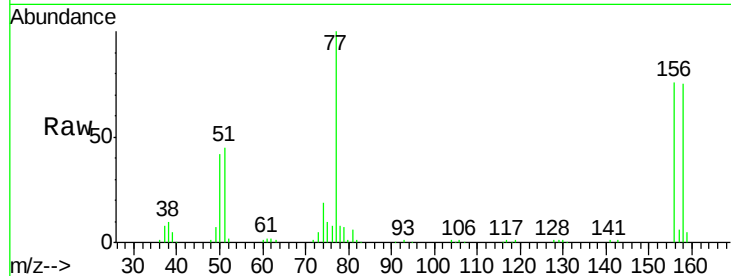
Tot Ion:156 Resp: 203617

Ion Ratio Lower Upper

156 100

77 132.2 72.4 217.2

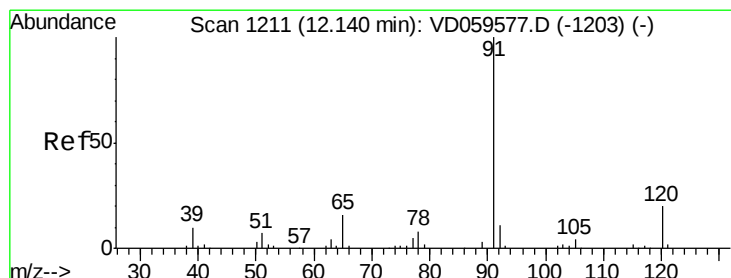
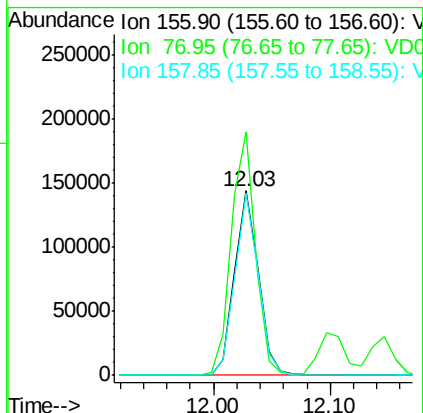
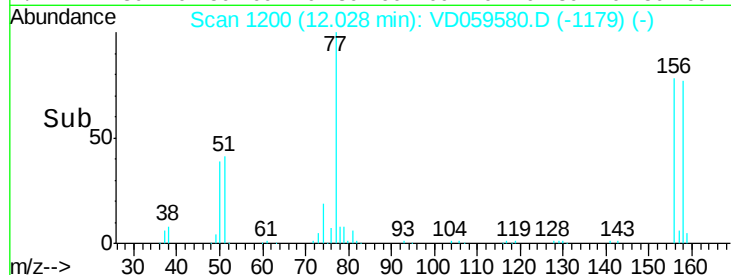
158 98.6 48.0 144.2



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: 185.077 ug/l

RT: 12.15 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VD059580.D

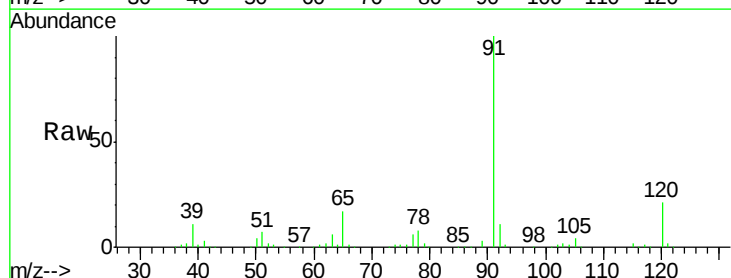
Acq: 24 Jul 2018 19:44

Tgt Ion: 91 Resp: 815575

Ion Ratio Lower Upper

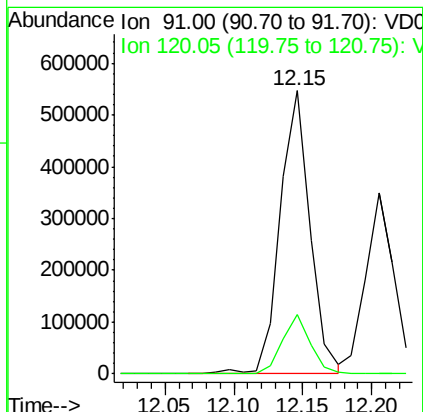
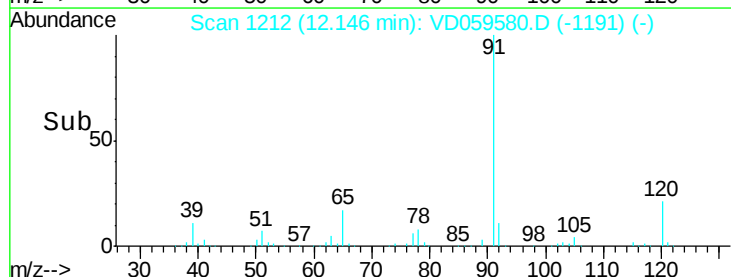
91 100

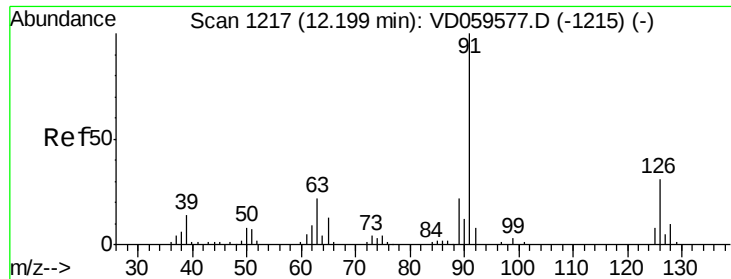
120 20.9 9.9 29.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

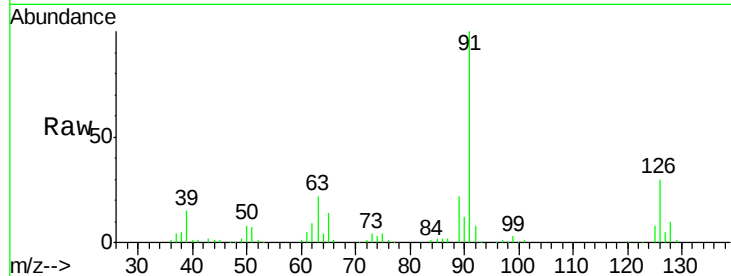




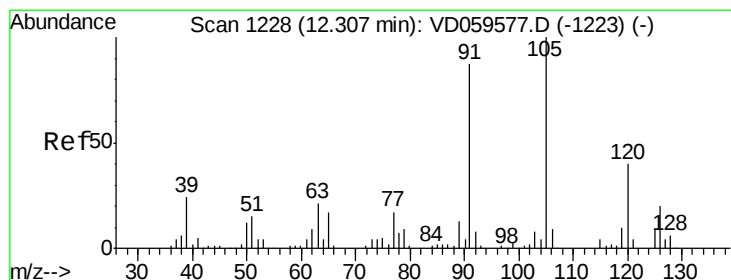
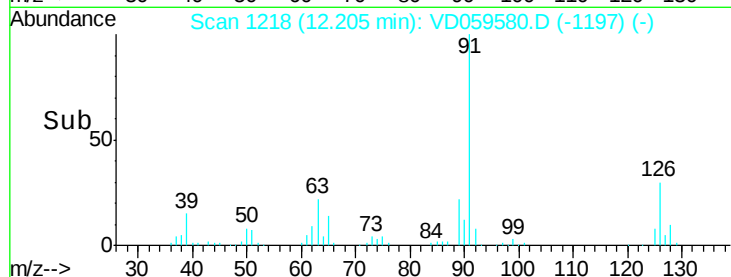
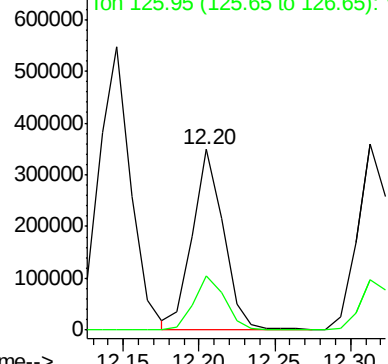
#79
 2-Chlorotoluene
 Concen: 189.730 ug/l
 RT: 12.20 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 497601
 Ion Ratio Lower Upper
 91 100
 126 29.8 14.5 43.6

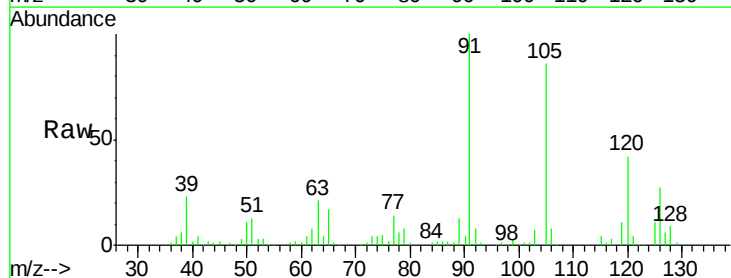


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

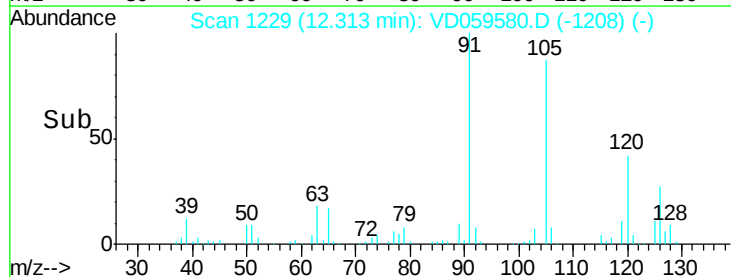
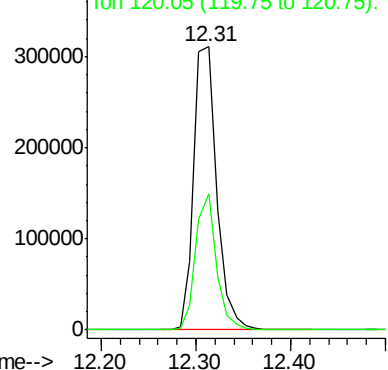


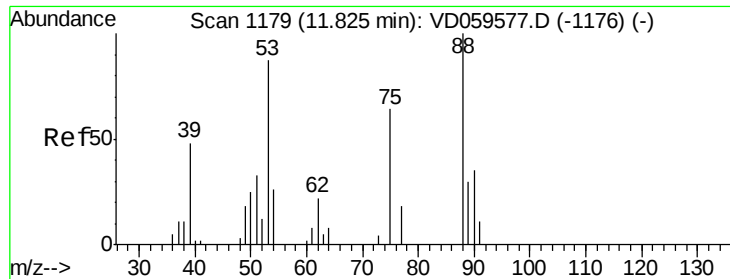
#80
 1,3,5-Trimethylbenzene
 Concen: 176.957 ug/l
 RT: 12.31 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Tgt Ion: 105 Resp: 521251
 Ion Ratio Lower Upper
 105 100
 120 48.2 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: 276.779 ug/l

RT: 11.83 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

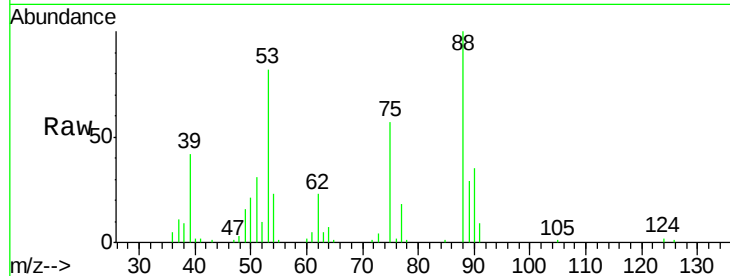
Tot Ion: 75 Resp: 47855

Ion Ratio Lower Upper

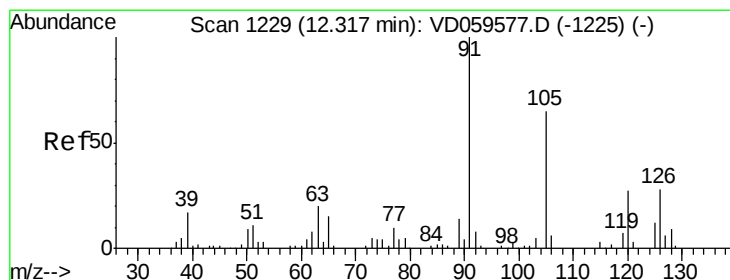
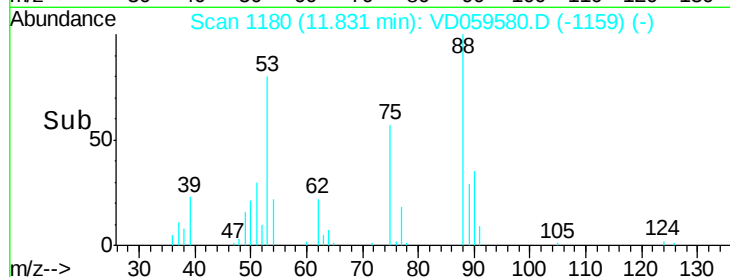
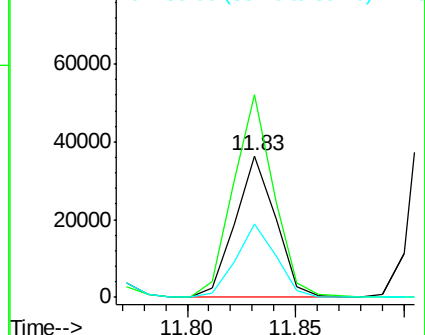
75 100

53 143.7 107.7 161.5

89 51.6 37.3 55.9



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 183.428 ug/l

RT: 12.31 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VD059580.D

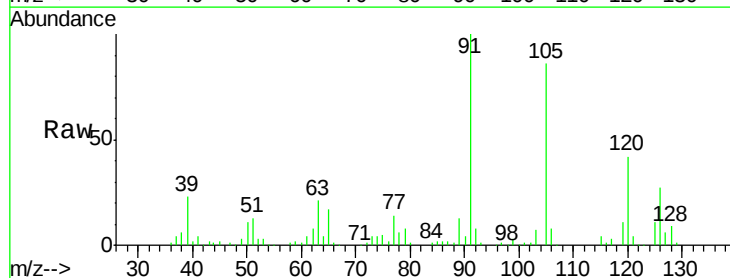
Acq: 24 Jul 2018 19:44

Tgt Ion: 91 Resp: 534999

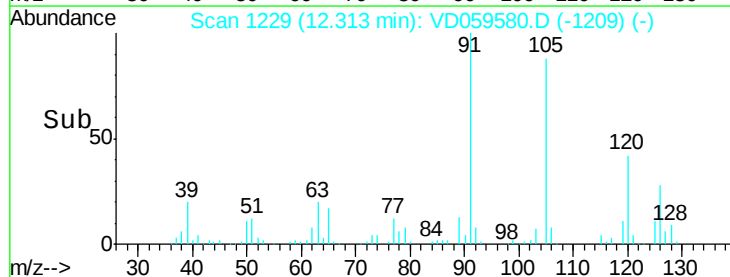
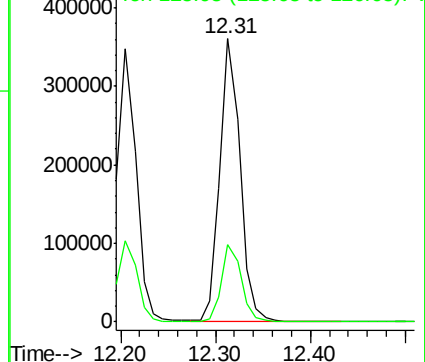
Ion Ratio Lower Upper

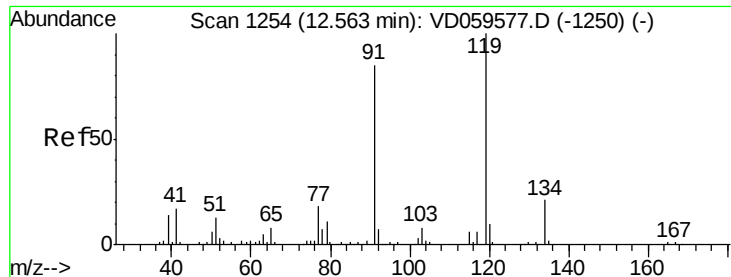
91 100

126 27.3 14.1 42.4



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

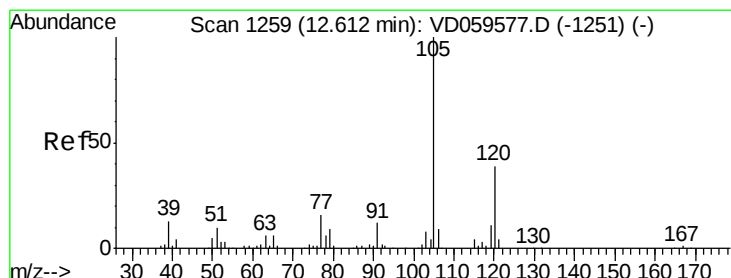
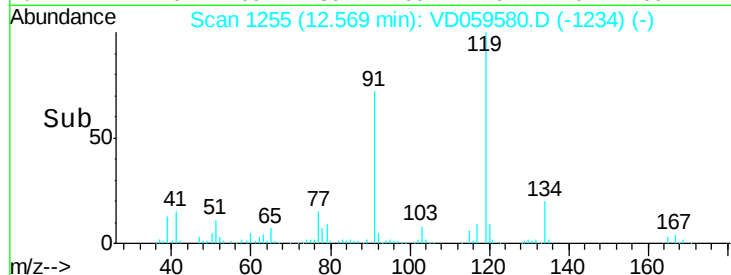
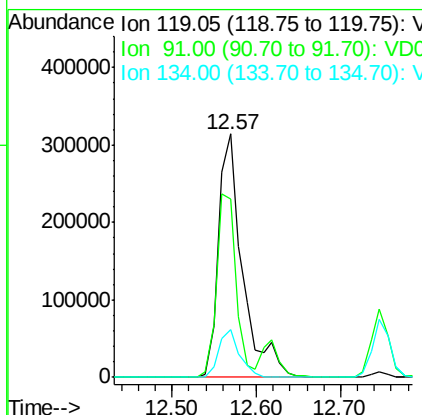
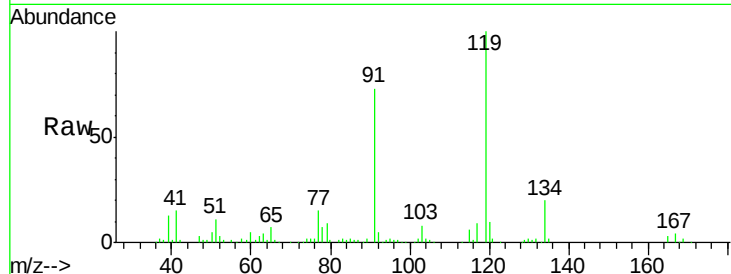




#83
tert-Butylbenzene
Concen: 193.420 ug/l
RT: 12.57 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

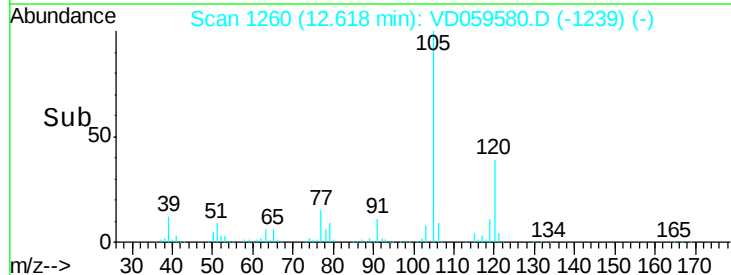
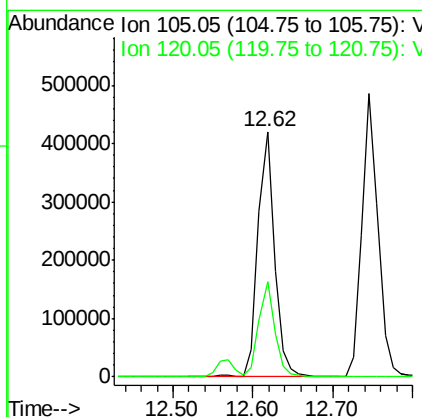
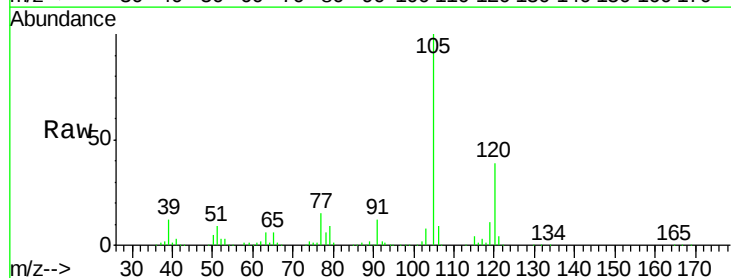
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

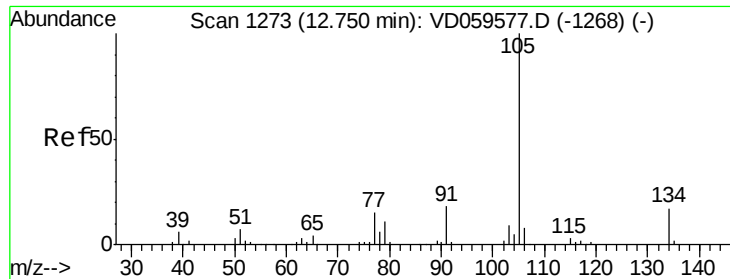
Tot Ion:119 Resp: 624006
Ion Ratio Lower Upper
119 100
91 73.3 42.5 127.5
134 19.7 10.5 31.6



#84
1,2,4-Trimethylbenzene
Concen: 195.177 ug/l
RT: 12.62 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion:105 Resp: 596970
Ion Ratio Lower Upper
105 100
120 38.9 19.3 57.9





#85

sec-Butylbenzene

Concen: 186.659 ug/l

RT: 12.75 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampled :

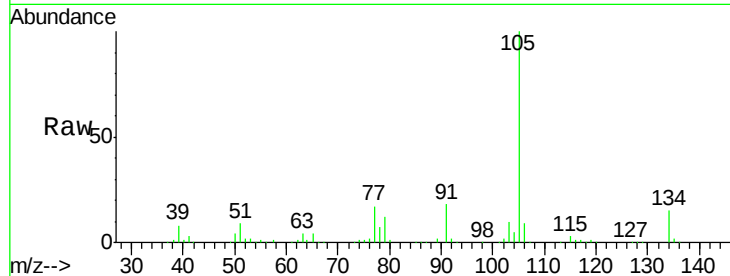
VSTDIC150

Tot Ion:105 Resp: 679795

Ion Ratio Lower Upper

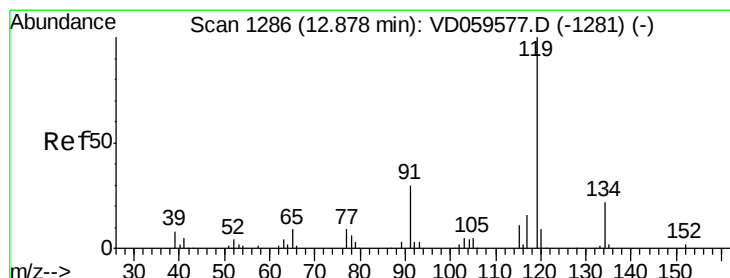
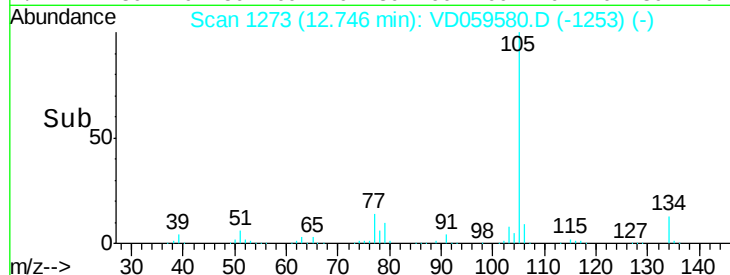
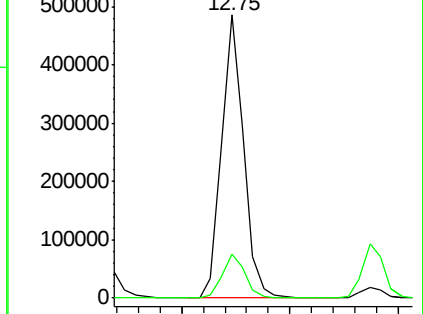
105 100

134 15.4 8.8 26.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 180.008 ug/l

RT: 12.87 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

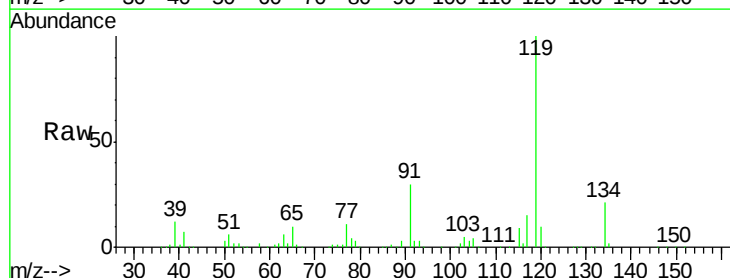
Tgt Ion:119 Resp: 599882

Ion Ratio Lower Upper

119 100

134 21.2 11.2 33.6

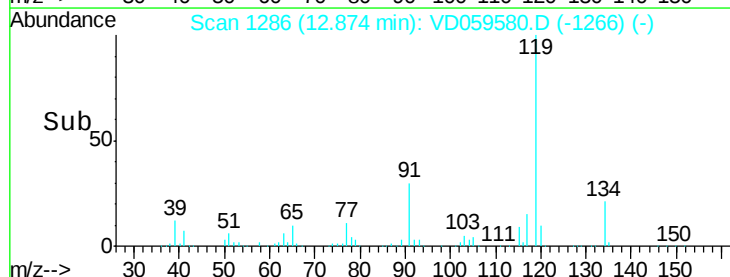
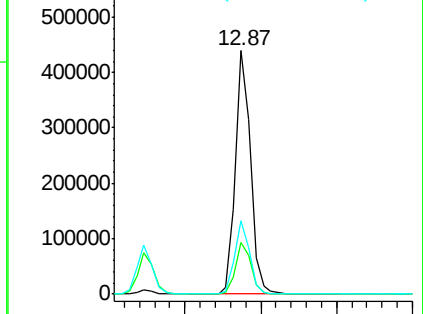
91 30.0 15.0 45.1

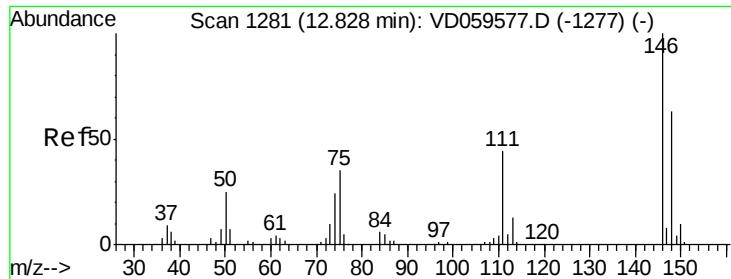


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

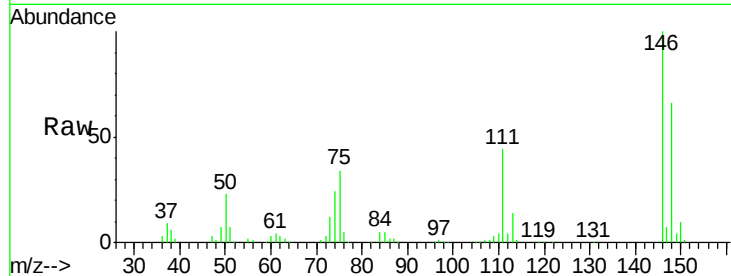




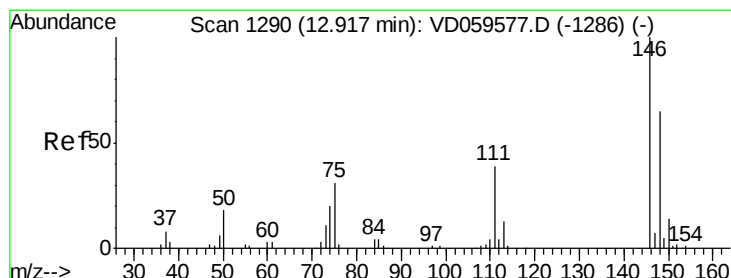
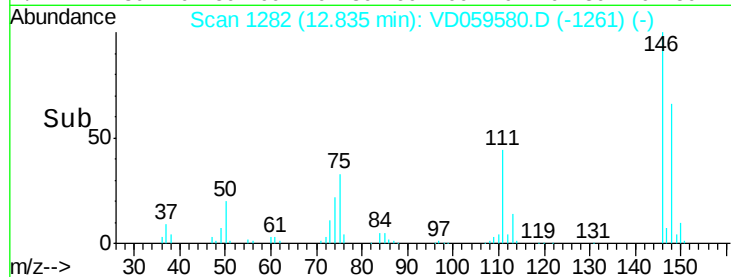
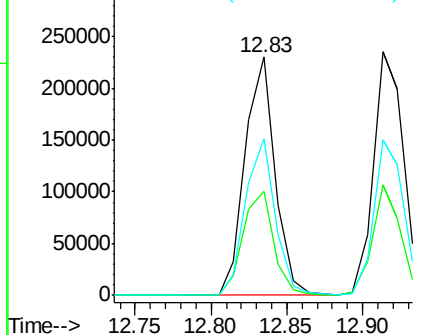
#87
 1,3-Dichlorobenzene
 Concen: 132.271 ug/l
 RT: 12.83 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 318550
 Ion Ratio Lower Upper
 146 100
 111 43.7 22.2 66.6
 148 65.9 31.8 95.3

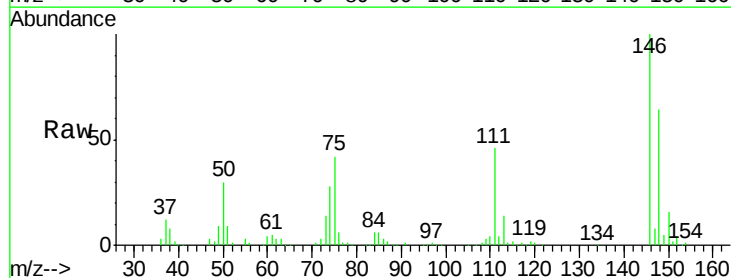


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

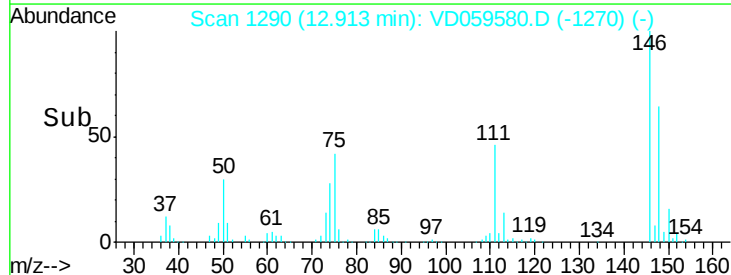
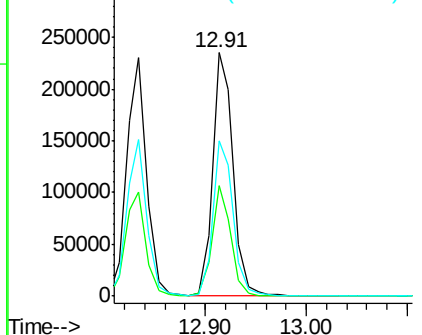


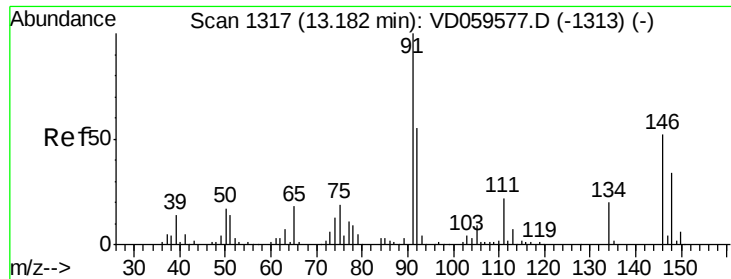
#88
 1,4-Dichlorobenzene
 Concen: 140.590 ug/l
 RT: 12.91 min Scan# 1290
 Delta R.T. -0.00 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Tgt Ion:146 Resp: 331799
 Ion Ratio Lower Upper
 146 100
 111 45.5 19.3 57.9
 148 63.6 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

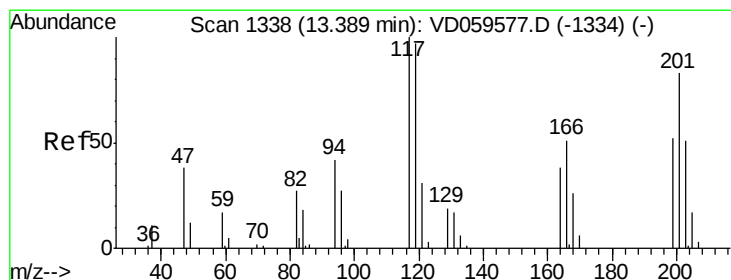
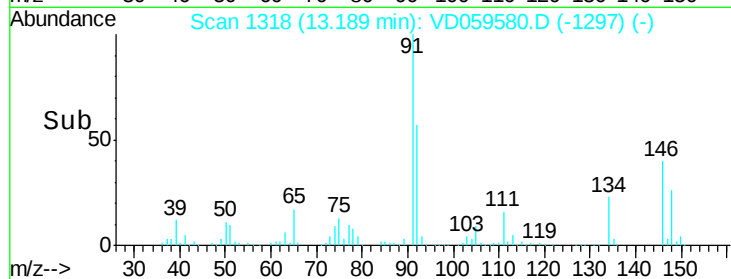
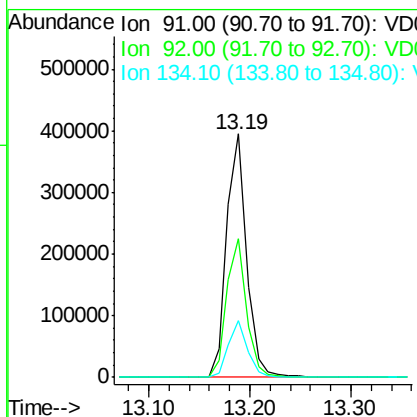
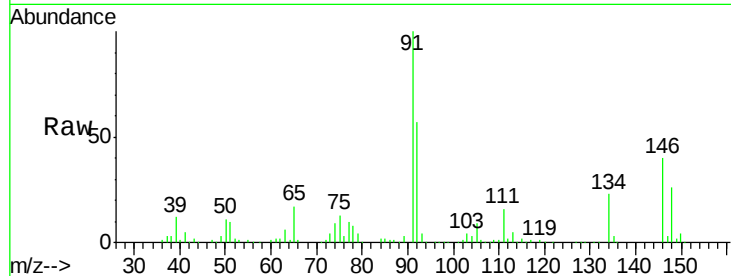




#89
n-Butylbenzene
Concen: 195.583 ug/l
RT: 13.19 min Scan# 1318
Delta R.T. 0.01 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

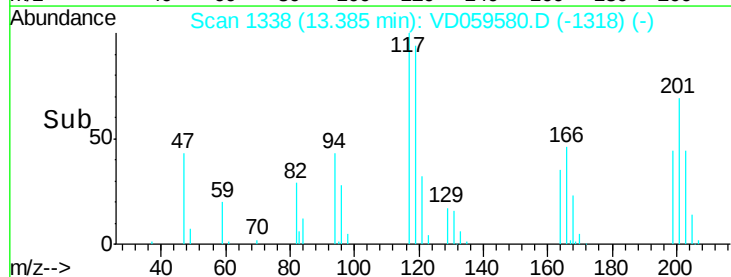
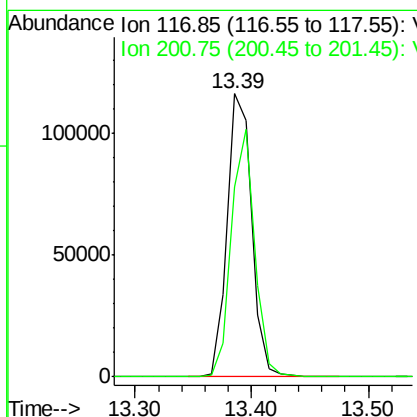
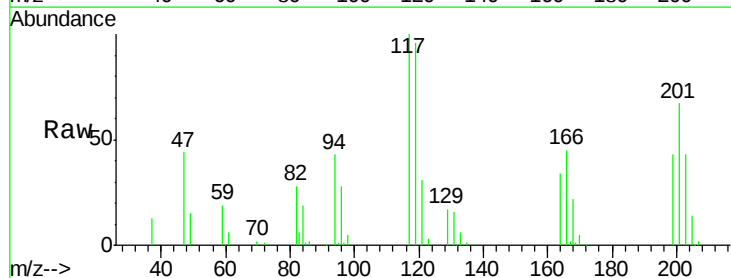
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

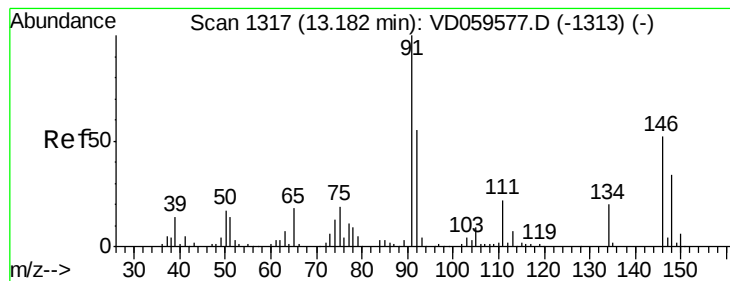
Tot Ion: 91 Resp: 544654
Ion Ratio Lower Upper
91 100
92 57.2 27.6 82.7
134 23.3 10.1 30.3



#90
Hexachloroethane
Concen: 190.361 ug/l
RT: 13.39 min Scan# 1338
Delta R.T. -0.00 min
Lab File: VD059580.D
Acq: 24 Jul 2018 19:44

Tgt Ion: 117 Resp: 169886
Ion Ratio Lower Upper
117 100
201 67.1 41.5 124.5





#91

1,2-Dichlorobenzene

Concen: 135.025 ug/l

RT: 13.18 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

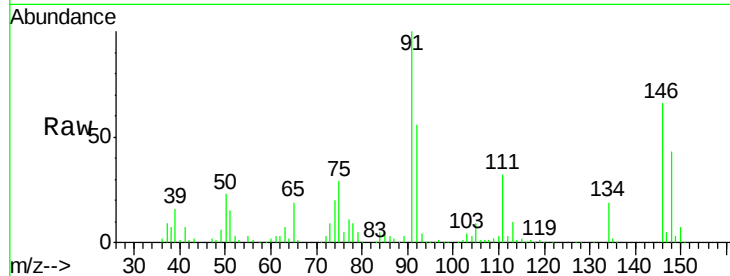
Tot Ion:146 Resp: 268936

Ion Ratio Lower Upper

146 100

111 48.9 21.4 64.3

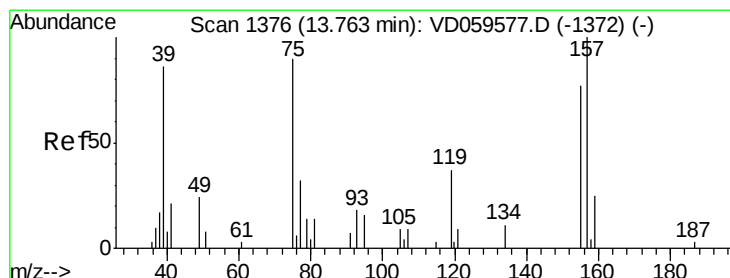
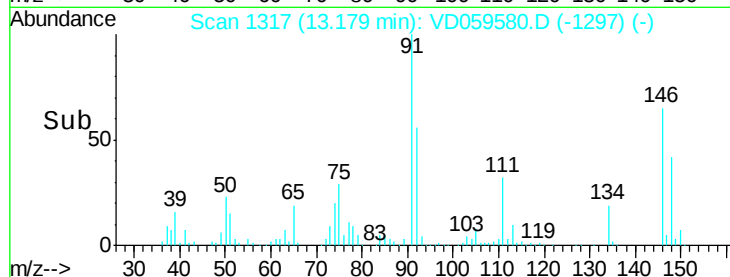
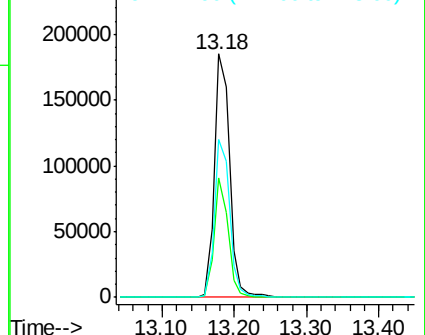
148 65.0 32.6 98.0



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: 266.299 ug/l

RT: 13.76 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

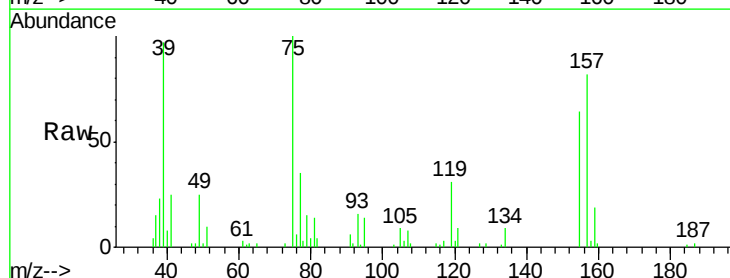
Tgt Ion: 75 Resp: 34267

Ion Ratio Lower Upper

75 100

155 64.2 42.5 127.5

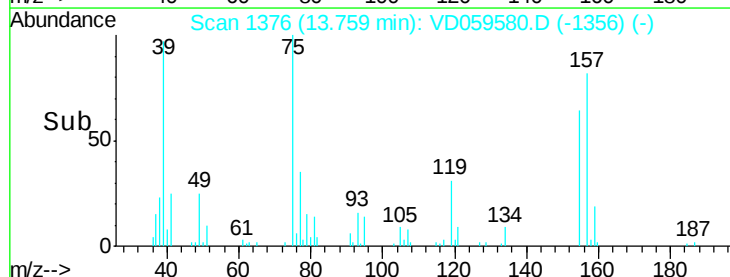
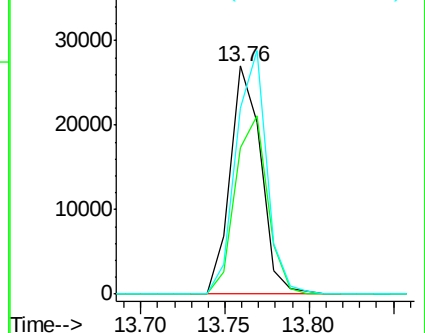
157 81.6 55.5 166.3

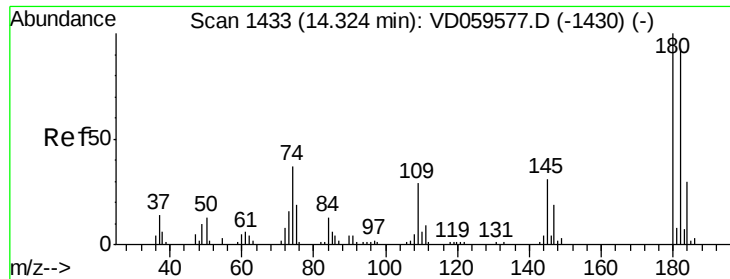


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

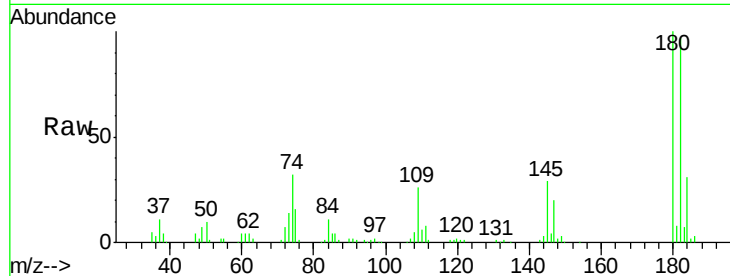




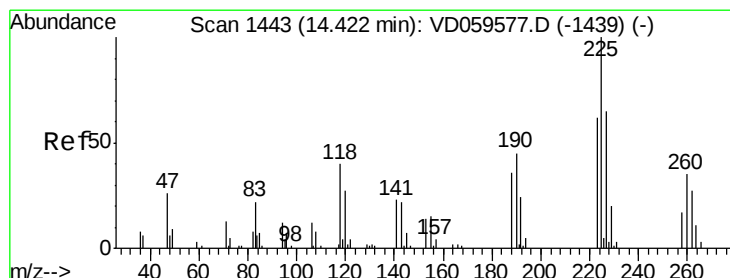
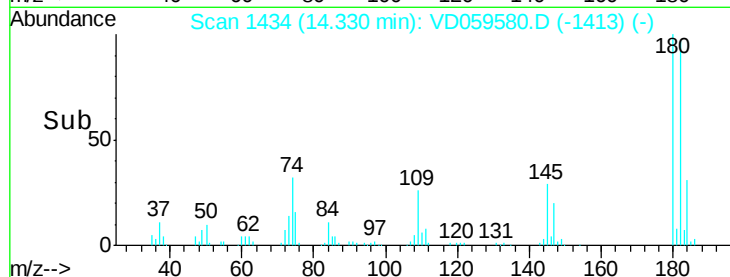
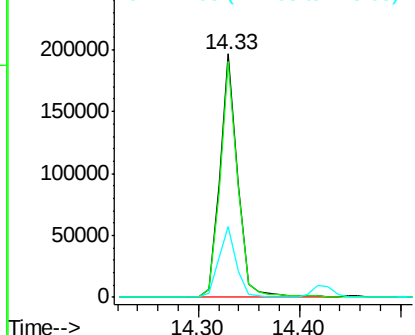
#93
 1,2,4-Trichlorobenzene
 Concen: 140.588 ug/l
 RT: 14.33 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:180 Resp: 243294
 Ion Ratio Lower Upper
 180 100
 182 97.0 46.4 139.2
 145 29.2 15.7 47.0

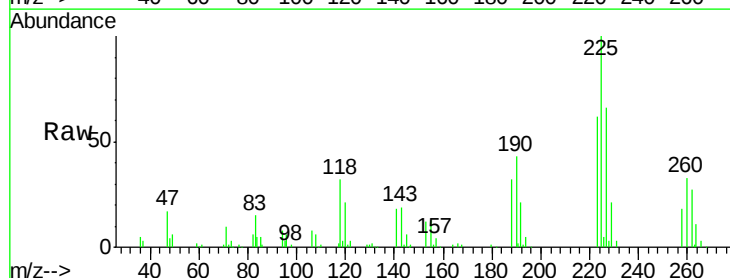


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

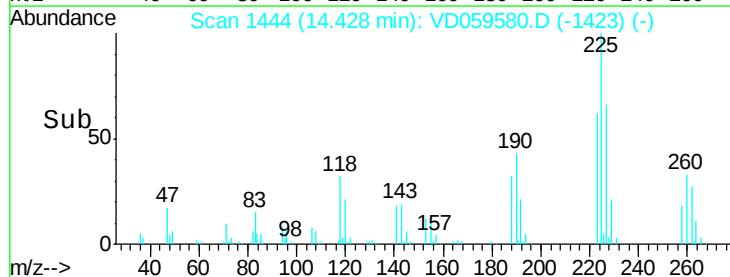
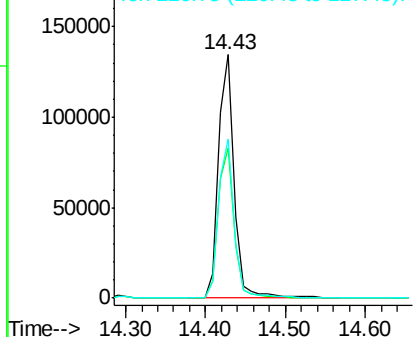


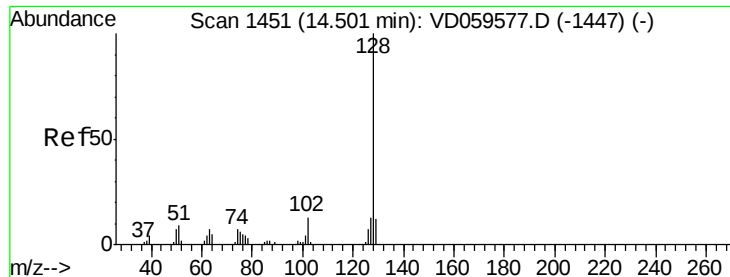
#94
 Hexachlorobutadiene
 Concen: 147.813 ug/l
 RT: 14.43 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VD059580.D
 Acq: 24 Jul 2018 19:44

Tgt Ion:225 Resp: 187865
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.1 93.5
 227 65.5 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: 167.278 ug/l

RT: 14.51 min Scan# 1452

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

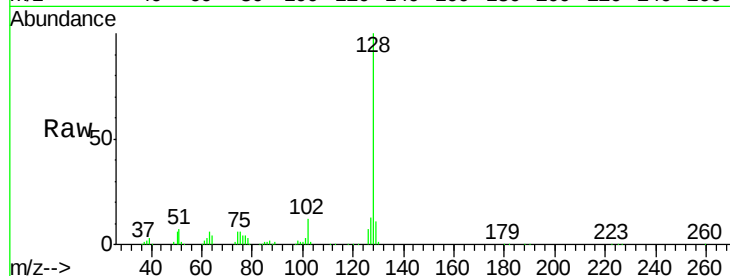
Tot Ion:128 Resp: 350714

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

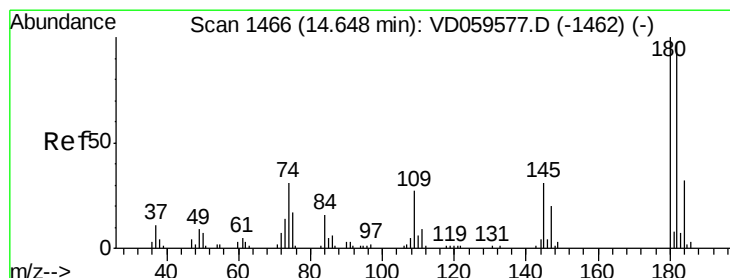
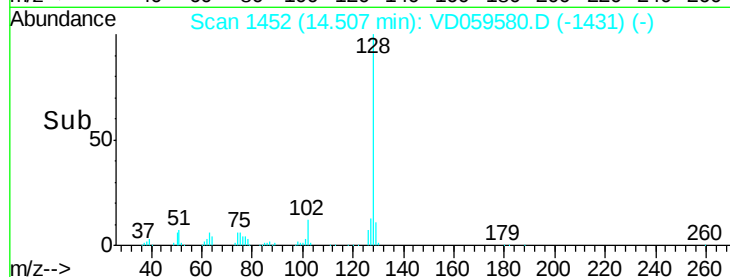
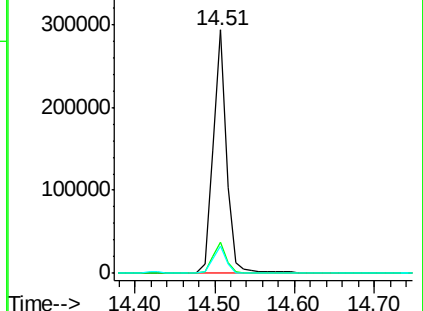
129 11.0 9.3 13.9



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: 145.428 ug/l

RT: 14.65 min Scan# 1467

Delta R.T. 0.01 min

Lab File: VD059580.D

Acq: 24 Jul 2018 19:44

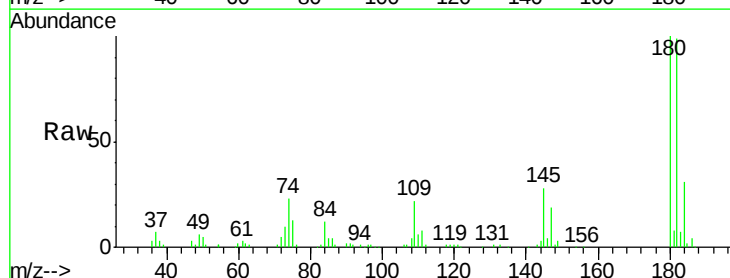
Tgt Ion:180 Resp: 223985

Ion Ratio Lower Upper

180 100

182 98.6 48.6 145.9

145 28.3 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

