

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061970.D
 Acq On : 23 Apr 2019 14:24
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Quant Time: Apr 23 14:48:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 12:18:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	693104	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1119221	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	880570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	398873	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	247719	38.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.08%	
35) Dibromofluoromethane	6.93	113	377092	43.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.66%	
50) Toluene-d8	10.41	98	867036	45.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.28%	
62) 4-Bromofluorobenzene	13.55	95	344904	41.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.57	85	317174	47.433	ug/l	99
3) Chloromethane	1.74	50	243490	46.190	ug/l	98
4) Vinyl Chloride	1.85	62	228095	48.268	ug/l	98
5) Bromomethane	2.15	94	66685	45.770	ug/l	96
6) Chloroethane	2.26	64	88399	49.118	ug/l	98
7) Trichlorofluoromethane	2.53	101	346121	45.228	ug/l	98
8) Diethyl Ether	2.86	74	90824	45.267	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	318129	46.728	ug/l	98
10) Methyl Iodide	3.31	142	473095	47.021	ug/l	99
11) Tert butyl alcohol	4.06	59	72986	210.392	ug/l	98
12) 1,1-Dichloroethene	3.13	96	273716	49.632	ug/l	96
13) Acrolein	3.03	56	67222	265.450	ug/l	95
14) Allyl chloride	3.62	41	363877	45.161	ug/l	98
15) Acrylonitrile	4.19	53	226188	209.536	ug/l	99
16) Acetone	3.22	43	321554	266.414	ug/l	97
17) Carbon Disulfide	3.38	76	790461	48.314	ug/l	100
18) Methyl Acetate	3.63	43	106363	34.896	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	532854	41.872	ug/l	98
20) Methylene Chloride	3.81	84	306174	39.472	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	318981	47.452	ug/l	97
22) Diisopropyl ether	5.12	45	852235	42.814	ug/l	99
23) Vinyl Acetate	5.06	43	2280661	215.145	ug/l	100
24) 1,1-Dichloroethane	4.98	63	507072	43.282	ug/l	99
25) 2-Butanone	6.06	43	370046	220.061	ug/l	97
26) 2,2-Dichloropropane	6.02	77	441763	45.678	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	339393	42.784	ug/l	97
28) Bromochloromethane	6.44	49	195505	42.343	ug/l	92
29) Tetrahydrofuran	6.46	42	192934	220.377	ug/l	99
30) Chloroform	6.66	83	623850	45.378	ug/l	99
31) Cyclohexane	6.96	56	419519	50.432	ug/l	100
32) 1,1,1-Trichloroethane	6.87	97	562851	46.825	ug/l	98
36) 1,1-Dichloropropene	7.15	75	439946	49.067	ug/l	97
37) Ethyl Acetate	6.18	43	167475	40.456	ug/l	96
38) Carbon Tetrachloride	7.12	117	594438	51.927	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	428034	48.394	ug/l	98
40) Benzene	7.46	78	1066237	47.314	ug/l	100
41) Methacrylonitrile	6.44	41	225502	46.023	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	348572	42.132	ug/l	100
43) Isopropyl Acetate	9.24	43	257151	42.636	ug/l	97
44) Trichloroethene	8.54	130	417342	49.850	ug/l	100
45) 1,2-Dichloropropane	8.95	63	267634	46.575	ug/l	96
46) Dibromomethane	9.07	93	194521	44.620	ug/l	97
47) Bromodichloromethane	9.38	83	444512	44.497	ug/l	98
48) Methyl methacrylate	9.12	41	142260	41.341	ug/l	95
49) 1,4-Dioxane	9.09	88	34566	972.107	ug/l	95
51) 4-Methyl-2-Pentanone	10.31	43	798226	207.160	ug/l	99
52) Toluene	10.51	92	629026	43.384	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	399260	45.017	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	460848	44.727	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	222132	42.573	ug/l	94
56) Ethyl methacrylate	11.04	69	243307	43.900	ug/l	98
57) 1,3-Dichloropropane	11.41	76	331151	42.596	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	532743	200.340	ug/l	97
59) 2-Hexanone	11.54	43	601354	221.840	ug/l	97
60) Dibromochloromethane	11.68	129	369339	43.973	ug/l	97
61) 1,2-Dibromoethane	11.81	107	246310	39.398	ug/l	99
64) Tetrachloroethene	11.26	164	305900	47.707	ug/l	99
65) Chlorobenzene	12.40	112	795414	47.066	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	345155	49.476	ug/l	97
67) Ethyl Benzene	12.52	91	1285671	50.104	ug/l	98
68) m/p-Xylenes	12.67	106	908789	92.592	ug/l	99
69) o-Xylene	13.05	106	417673	44.714	ug/l	100
70) Styrene	13.07	104	738083	45.662	ug/l	98
71) Bromoform	13.24	173	194688	45.211	ug/l #	98
73) Isopropylbenzene	13.41	105	1264054	49.697	ug/l	98
74) N-amyl acetate	13.27	43	329496	47.627	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	255708	46.639	ug/l	96
76) 1,2,3-Trichloropropane	13.73	75	253022	47.771	ug/l	96
77) Bromobenzene	13.67	156	362462	48.400	ug/l	97
78) n-propylbenzene	13.78	91	1407159	46.604	ug/l	97
79) 2-Chlorotoluene	13.84	91	873821	48.427	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	991261	46.558	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.48	75	72826	46.504	ug/l	96
82) 4-Chlorotoluene	13.95	91	966897	47.557	ug/l	94
83) tert-Butylbenzene	14.19	119	1217612	50.381	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	1060469	50.789	ug/l	97
85) sec-Butylbenzene	14.37	105	1287943	49.511	ug/l	97
86) p-Isopropyltoluene	14.49	119	1226623	51.503	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	640647	47.306	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	618513	48.440	ug/l	97
89) n-Butylbenzene	14.80	91	1029348	47.497	ug/l	95
90) Hexachloroethane	15.01	117	326932	49.151	ug/l	89
91) 1,2-Dichlorobenzene	14.81	146	517481	44.566	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	34472	47.178	ug/l	82

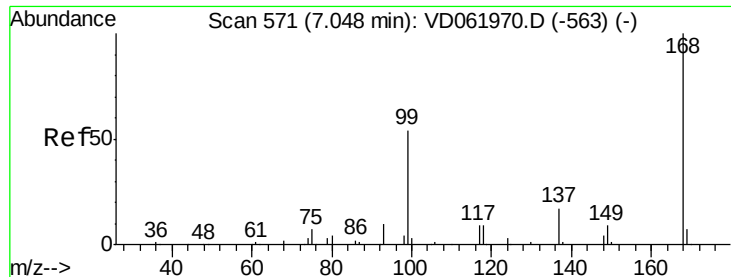
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD042319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	307946	52.890	ug/l	96
94) Hexachlorobutadiene	16.05	225	236270	55.743	ug/l	99
95) Naphthalene	16.12	128	469076	50.175	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	181994	56.191	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

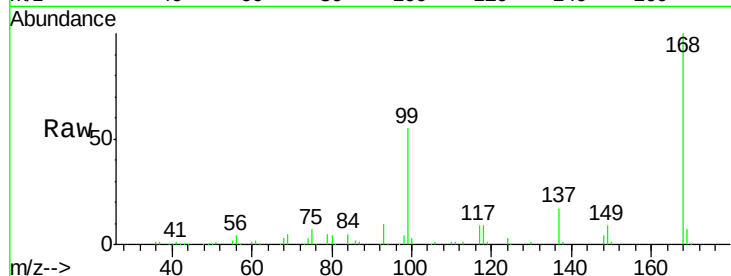
VSTDICCC050

Tot Ion:168 Resp: 693104

Ion Ratio Lower Upper

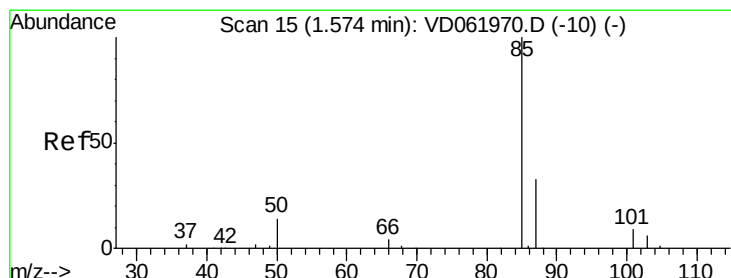
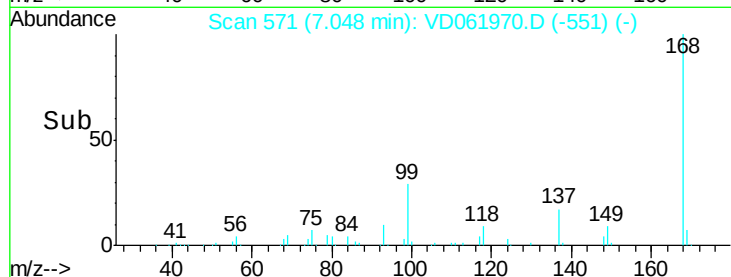
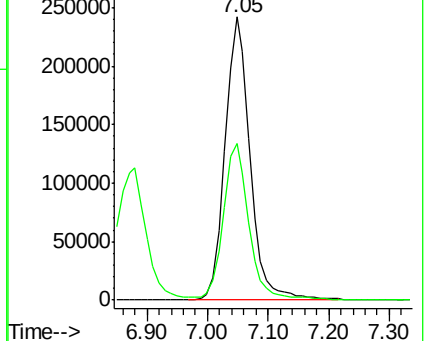
168 100

99 55.2 46.5 69.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 47.433 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.01 min

Lab File: VD061970.D

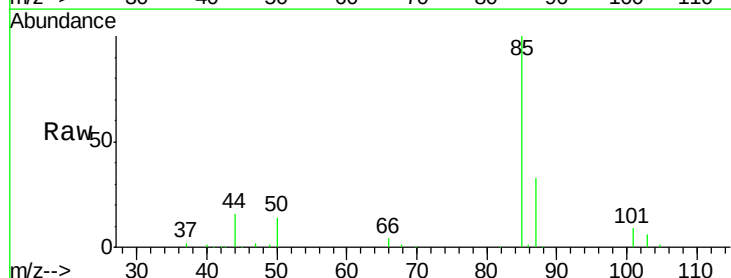
Acq: 23 Apr 2019 14:24

Tgt Ion: 85 Resp: 317174

Ion Ratio Lower Upper

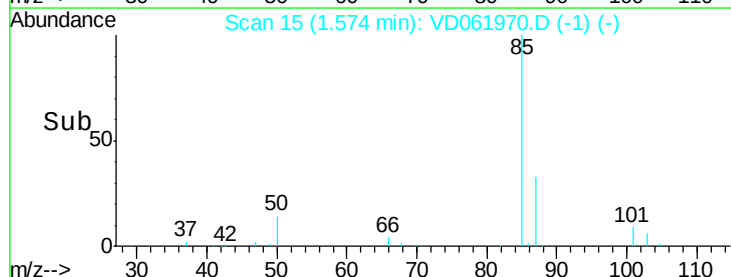
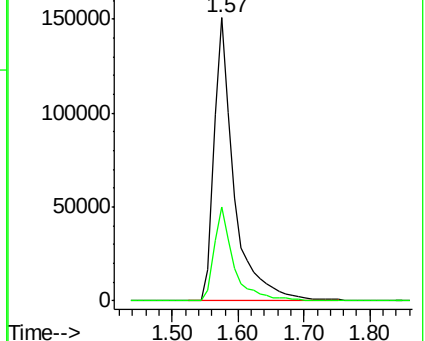
85 100

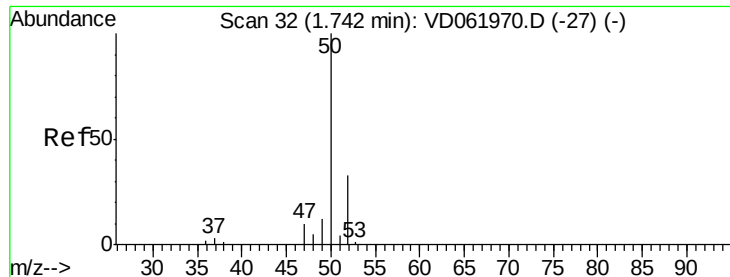
87 33.2 16.2 48.6



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

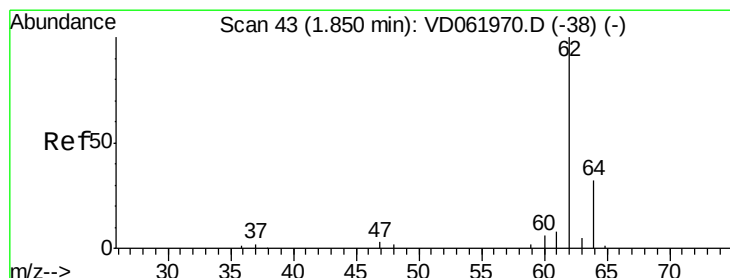
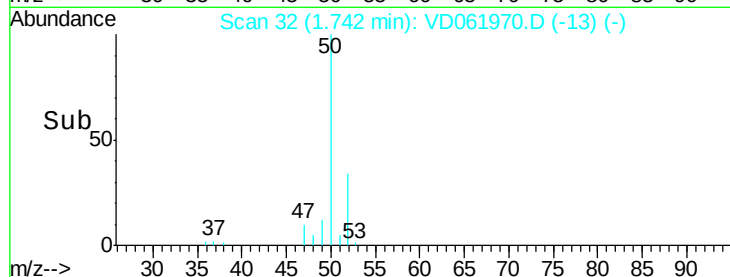
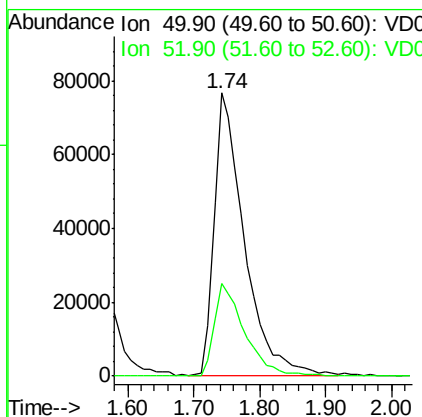
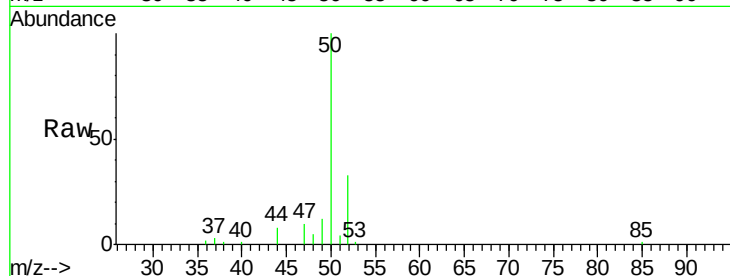




#3
Chloromethane
Concen: 46.190 ug/l
RT: 1.74 min Scan# 32
Delta R.T. -0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

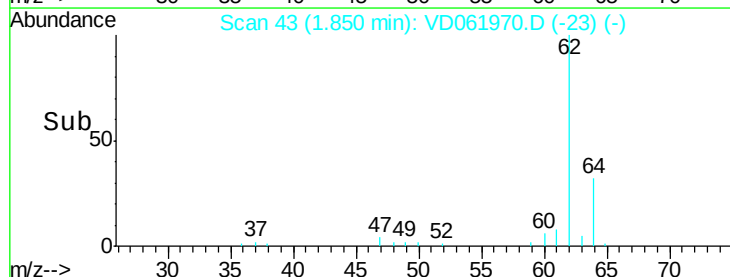
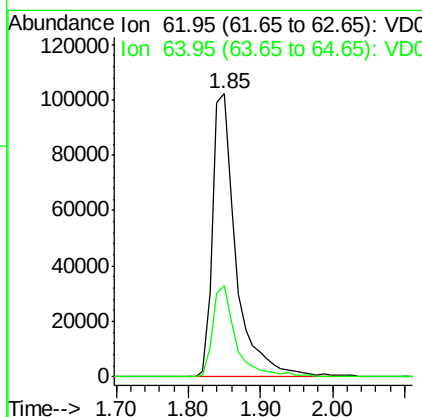
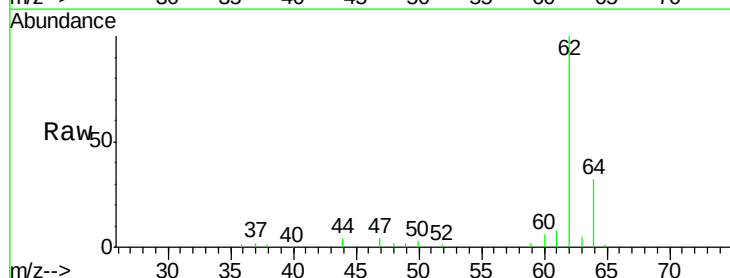
Instrument :
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ClientSampleId :
VSTDICCC050

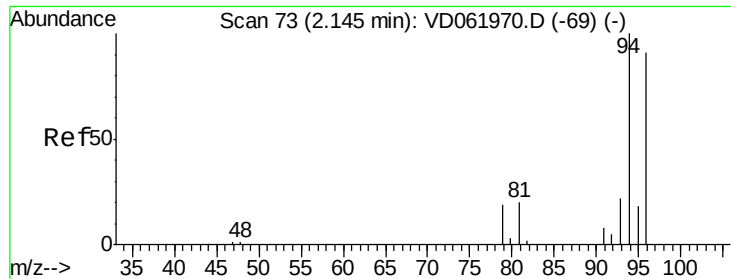
Tot Ion: 50 Resp: 243490
Ion Ratio Lower Upper
50 100
52 32.6 25.2 37.8



#4
Vinyl Chloride
Concen: 48.268 ug/l
RT: 1.85 min Scan# 43
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 62 Resp: 228095
Ion Ratio Lower Upper
62 100
64 32.2 26.5 39.7

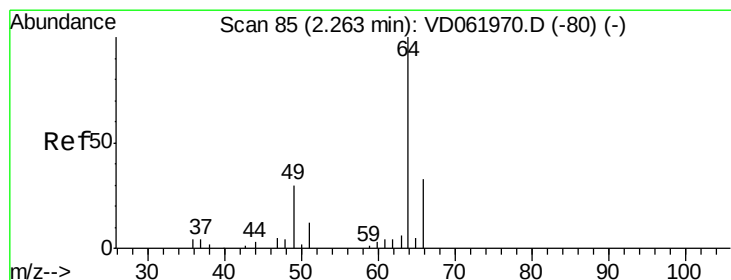
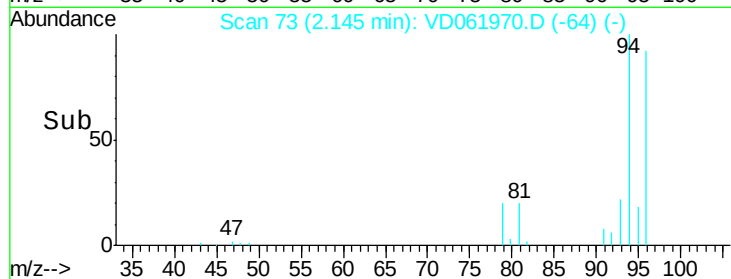
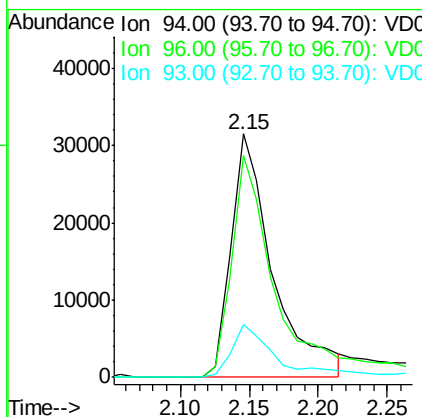
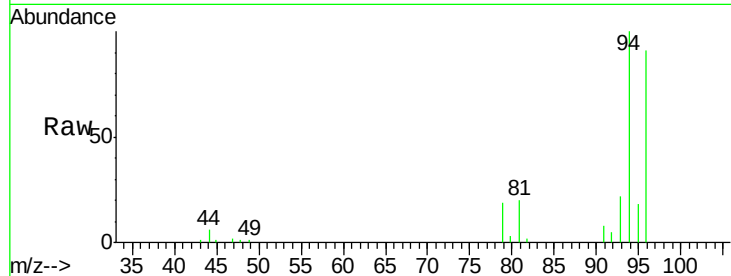




#5
Bromomethane
Concen: 45.770 ug/l
RT: 2.15 min Scan# 73
Delta R.T. -0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

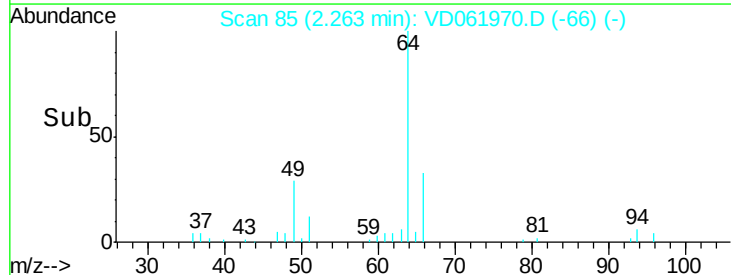
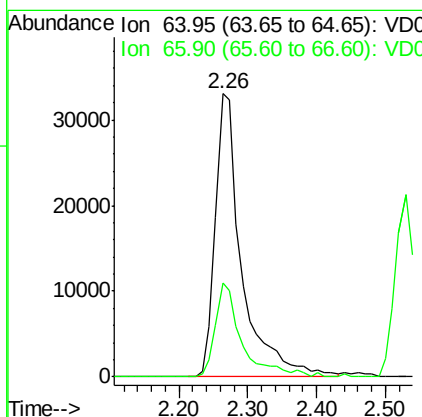
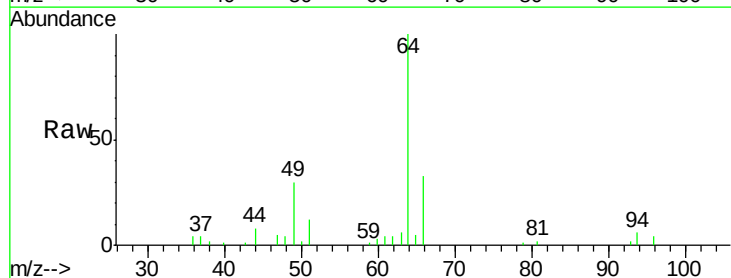
Instrument :
MSVOA_D
ClientSampleId :
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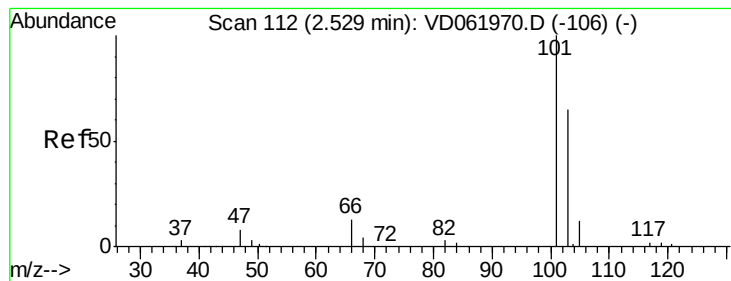
Tot Ion: 94 Resp: 66685
Ion Ratio Lower Upper
94 100
96 91.1 76.6 115.0
93 21.9 18.5 27.7



#6
Chloroethane
Concen: 49.118 ug/l
RT: 2.26 min Scan# 85
Delta R.T. -0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 64 Resp: 88399
Ion Ratio Lower Upper
64 100
66 33.1 25.6 38.4



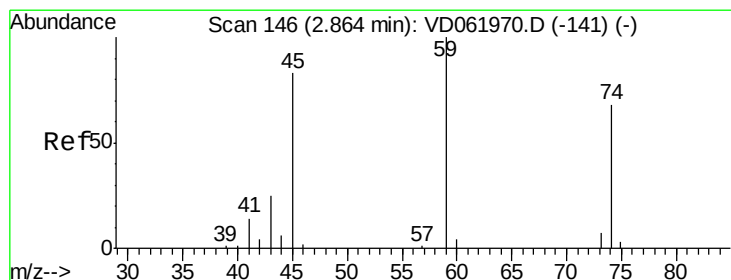
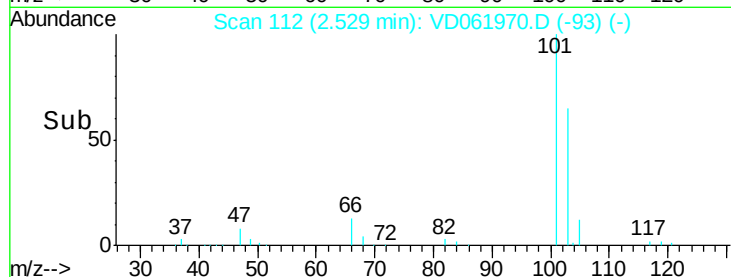
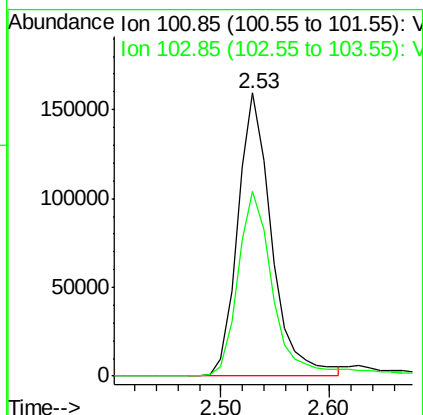
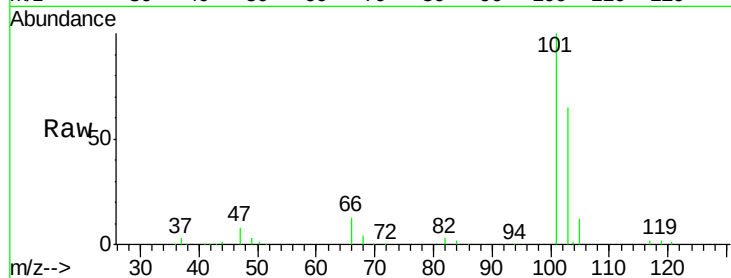


#7

Trichlorofluoromethane
 Concen: 45.228 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

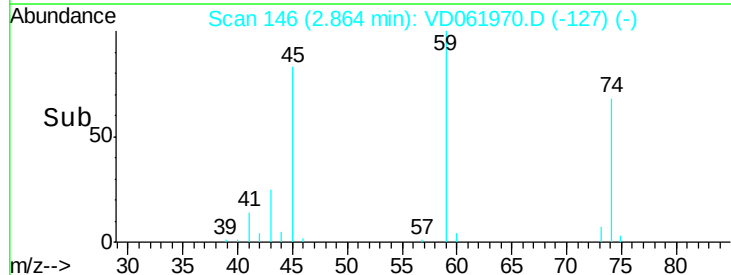
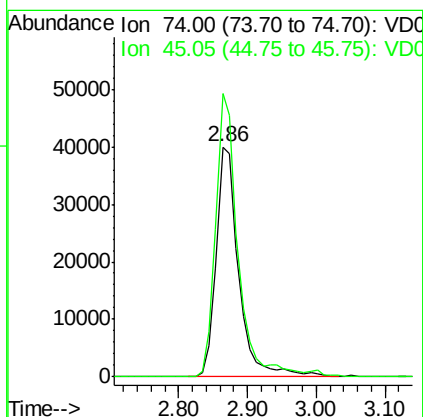
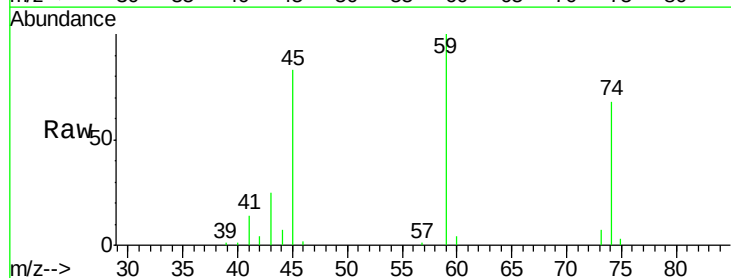
Tot Ion:101 Resp: 346121
 Ion Ratio Lower Upper
 101 100
 103 65.4 53.6 80.4

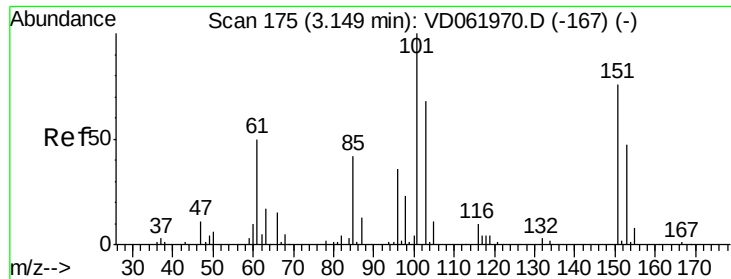


#8

Diethyl Ether
 Concen: 45.267 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. -0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion: 74 Resp: 90824
 Ion Ratio Lower Upper
 74 100
 45 123.2 56.9 170.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.728 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

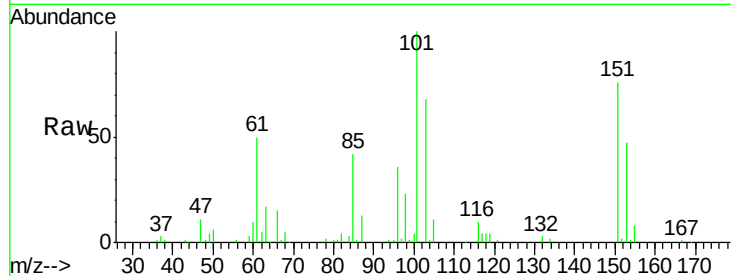
Tot Ion:101 Resp: 318129

Ion Ratio Lower Upper

101 100

85 41.8 32.4 48.6

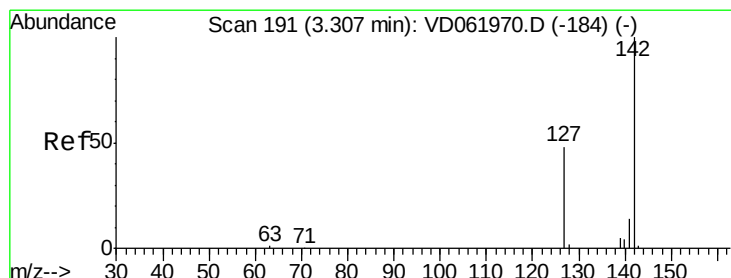
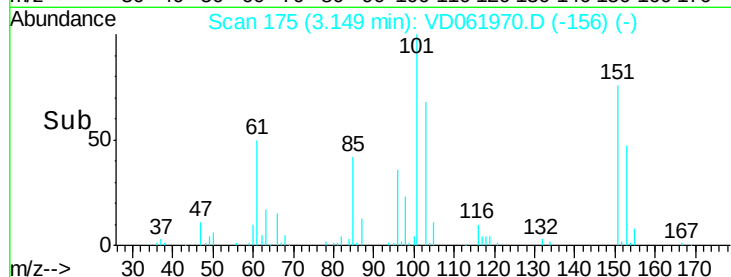
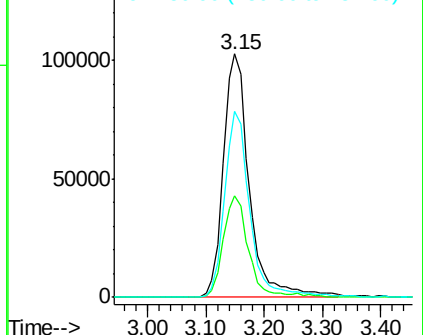
151 76.2 59.4 89.0



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: 47.021 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

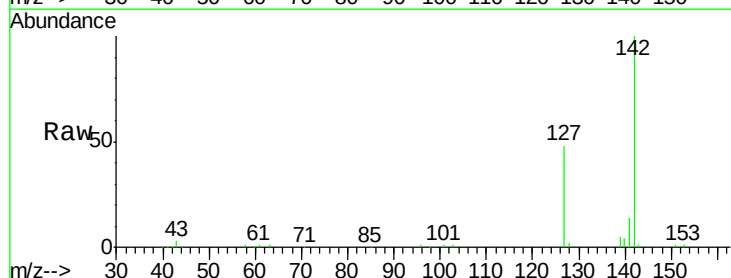
Tgt Ion:142 Resp: 473095

Ion Ratio Lower Upper

142 100

127 47.8 38.8 58.2

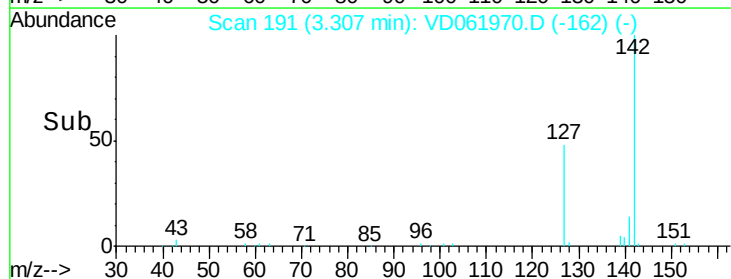
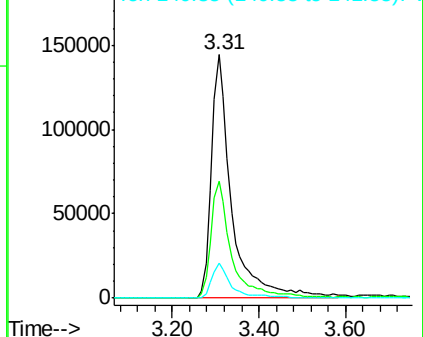
141 14.5 11.4 17.0

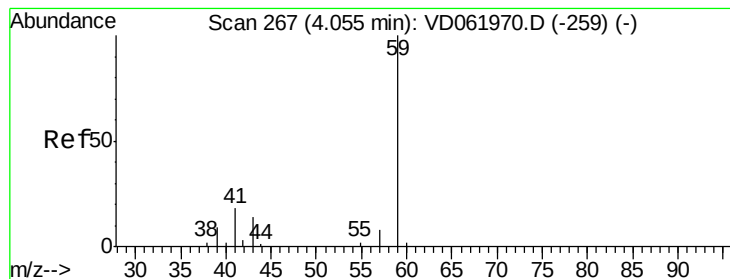


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



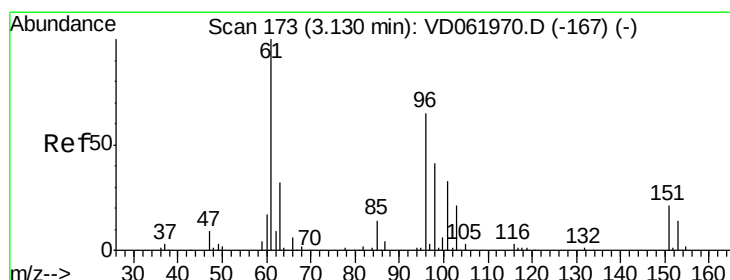
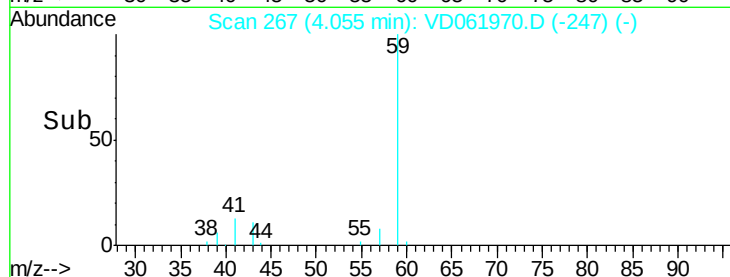
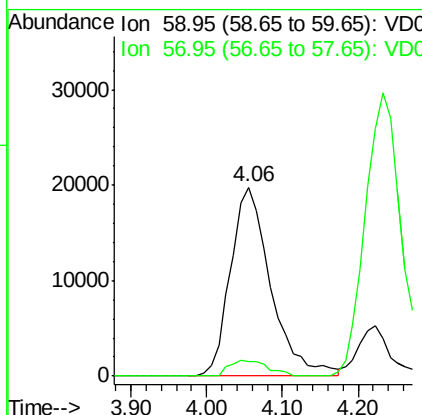
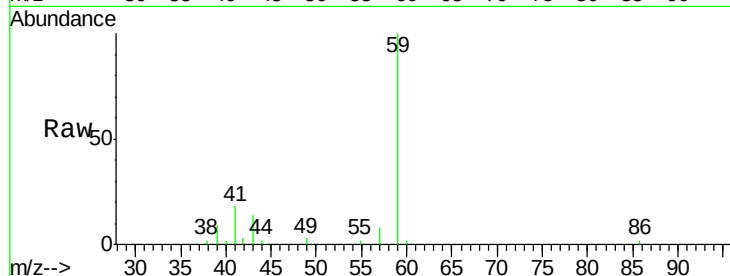


#11

Tert butyl alcohol
 Concen: 210.392 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

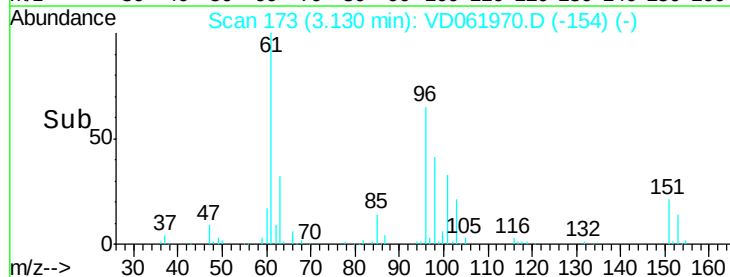
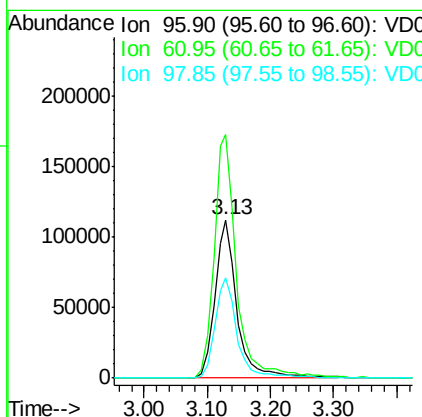
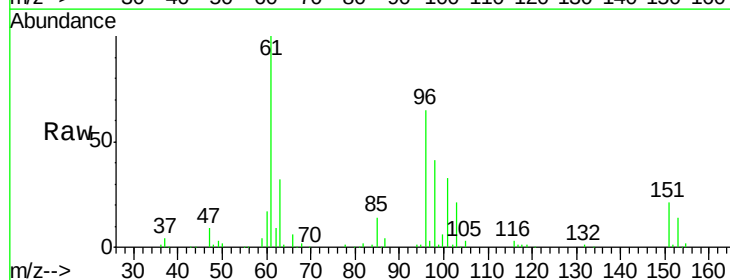
Tot Ion: 59 Resp: 72986
 Ion Ratio Lower Upper
 59 100
 57 8.0 6.9 10.3

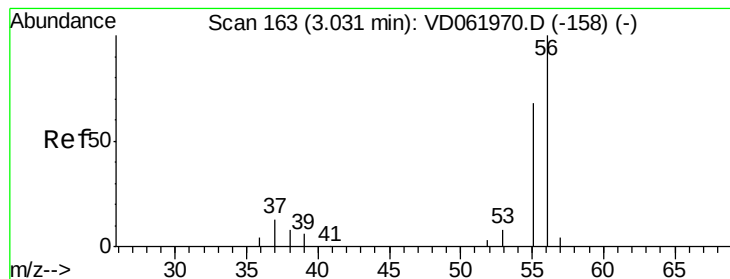


#12

1,1-Dichloroethene
 Concen: 49.632 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion: 96 Resp: 273716
 Ion Ratio Lower Upper
 96 100
 61 154.2 129.8 194.8
 98 63.8 51.2 76.8





#13

Acrolein

Concen: 265.450 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

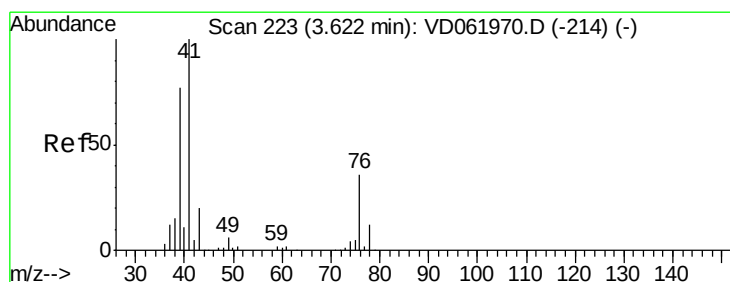
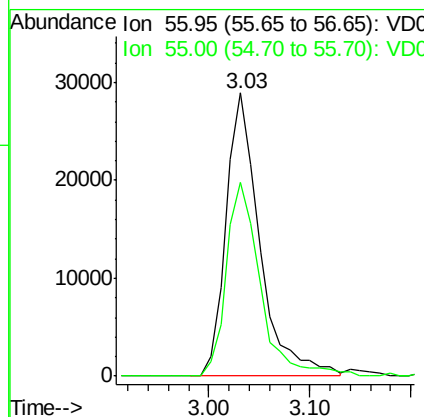
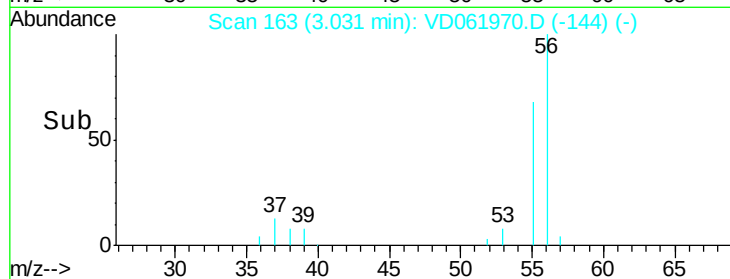
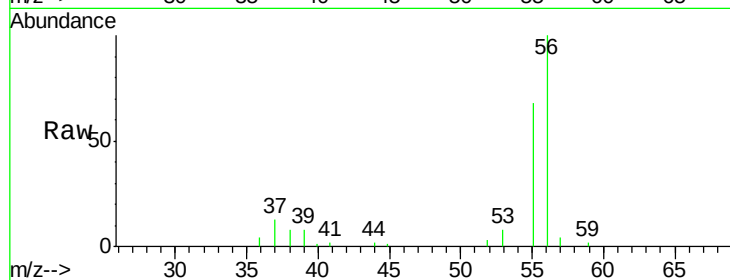
VSTDICCC050

Tot Ion: 56 Resp: 67222

Ion Ratio Lower Upper

56 100

55 68.4 51.4 77.2



#14

Allyl chloride

Concen: 45.161 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

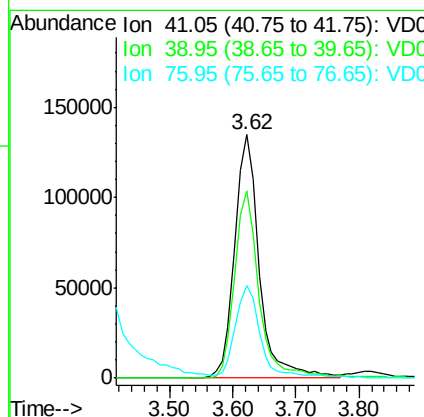
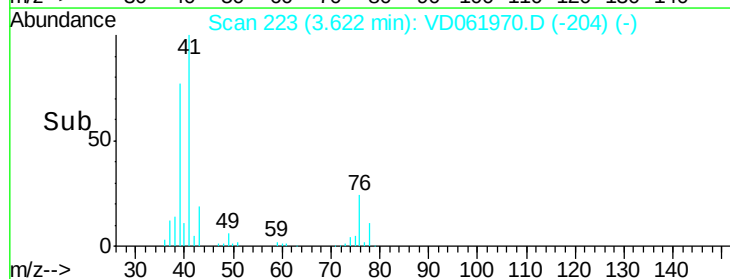
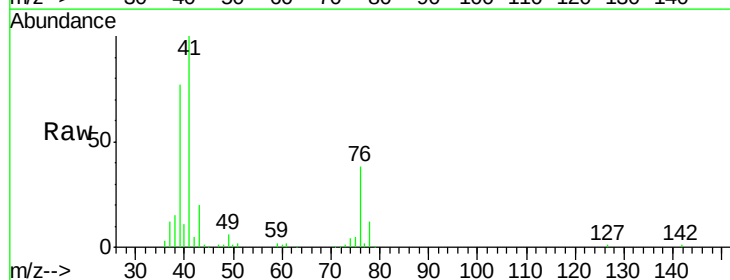
Tgt Ion: 41 Resp: 363877

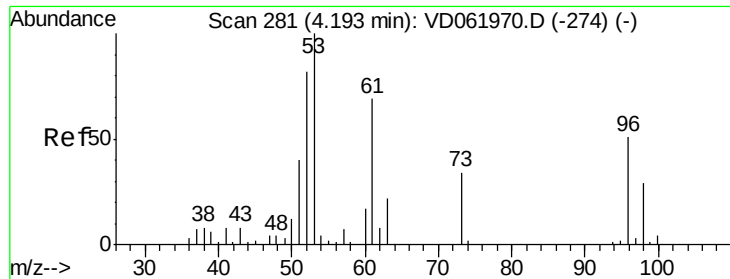
Ion Ratio Lower Upper

41 100

39 76.8 60.5 90.7

76 38.0 31.8 47.8





#15

Acrylonitrile

Concen: 209.536 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

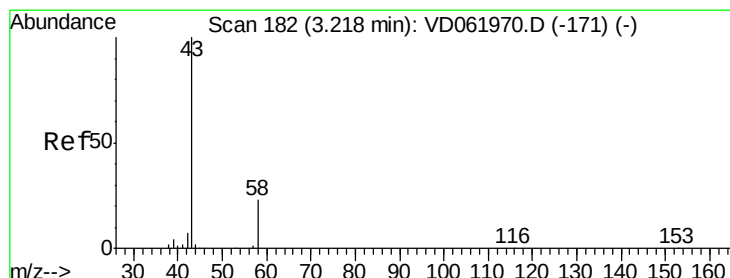
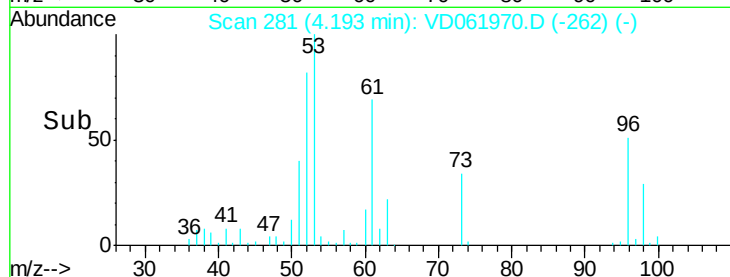
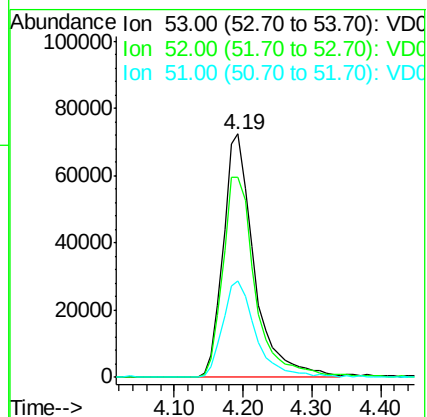
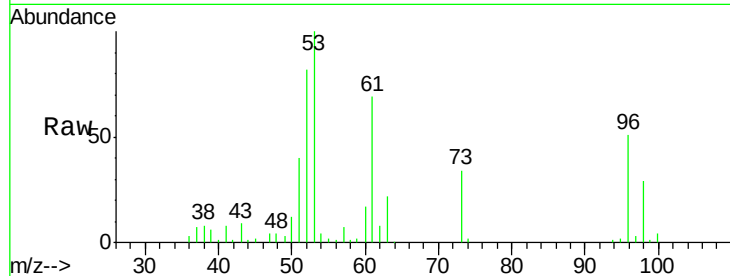
Tot Ion: 53 Resp: 226188

Ion Ratio Lower Upper

53 100

52 82.0 65.0 97.4

51 39.5 32.6 48.8



#16

Acetone

Concen: 266.414 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061970.D

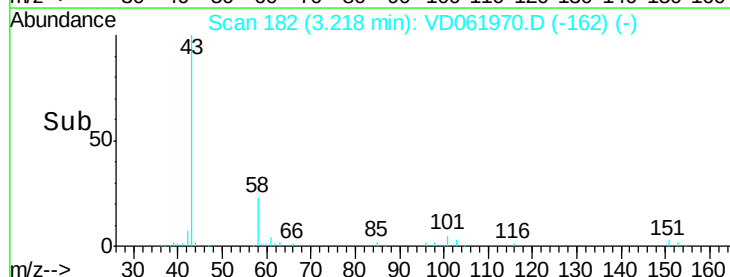
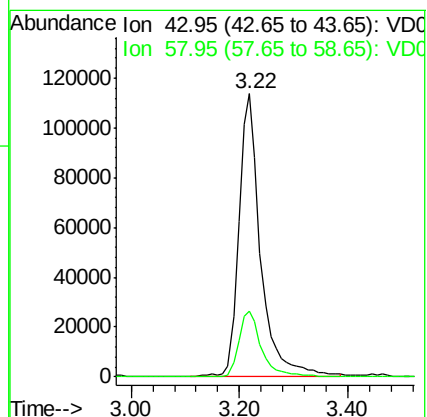
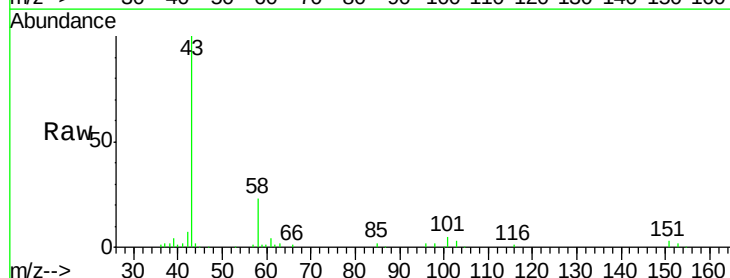
Acq: 23 Apr 2019 14:24

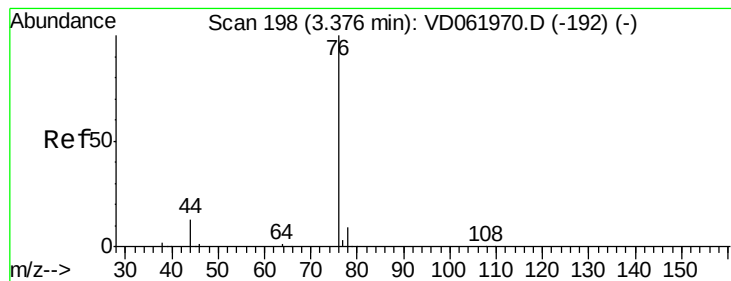
Tgt Ion: 43 Resp: 321554

Ion Ratio Lower Upper

43 100

58 23.3 19.9 29.9





#17

Carbon Disulfide

Concen: 48.314 ug/l

RT: 3.38 min Scan# 198

Delta R.T. -0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

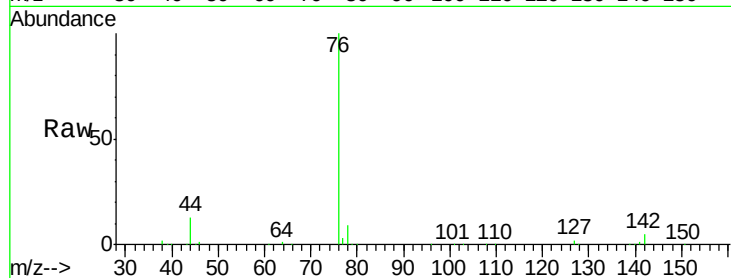
VSTDICCC050

Tot Ion: 76 Resp: 790461

Ion Ratio Lower Upper

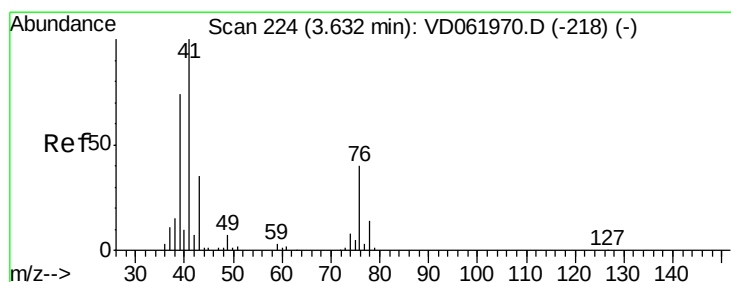
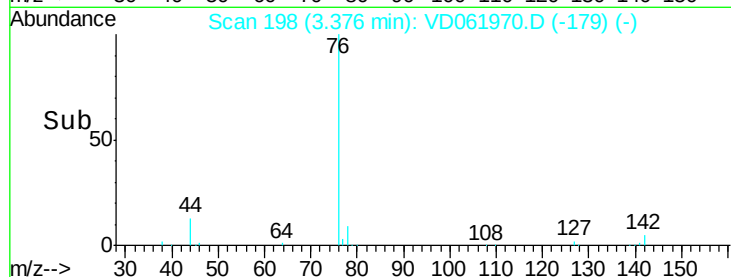
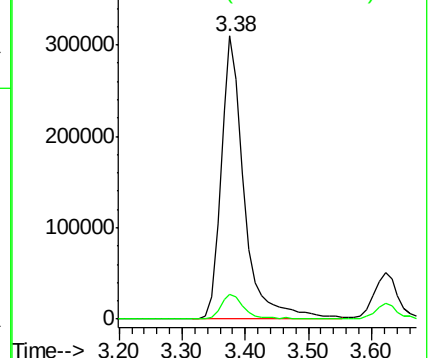
76 100

78 8.9 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 34.896 ug/l

RT: 3.63 min Scan# 224

Delta R.T. -0.01 min

Lab File: VD061970.D

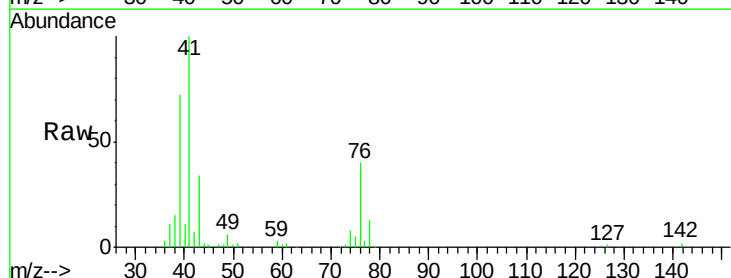
Acq: 23 Apr 2019 14:24

Tgt Ion: 43 Resp: 106363

Ion Ratio Lower Upper

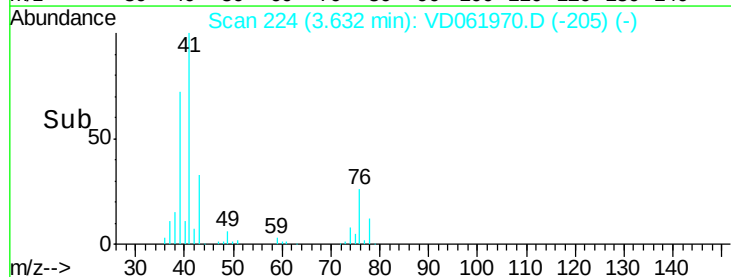
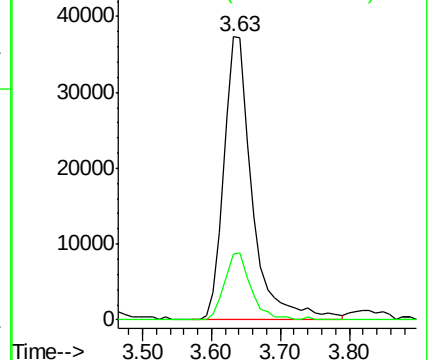
43 100

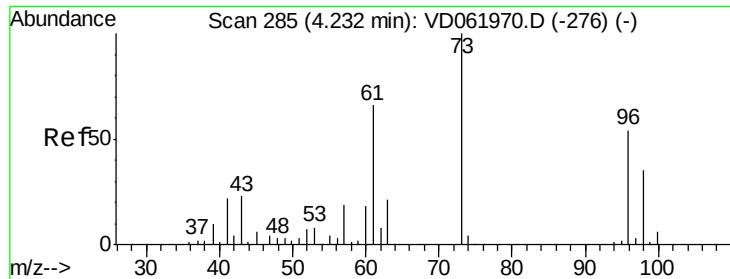
74 23.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

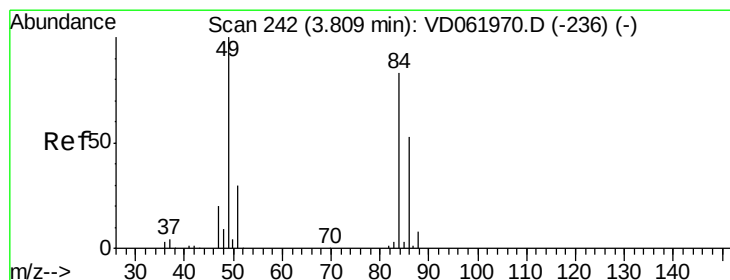
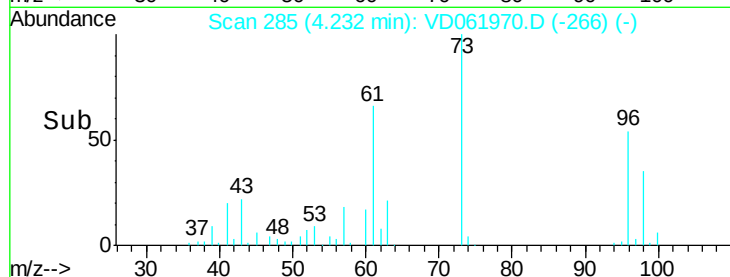
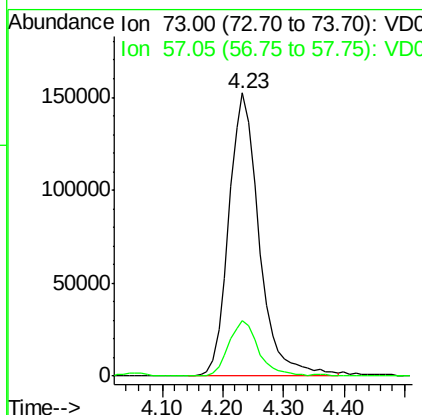
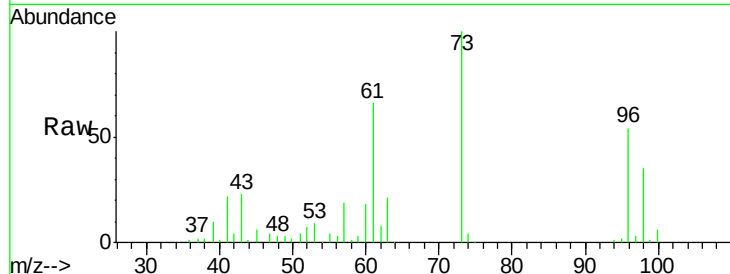




#19
Methyl tert-butyl Ether
Concen: 41.872 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

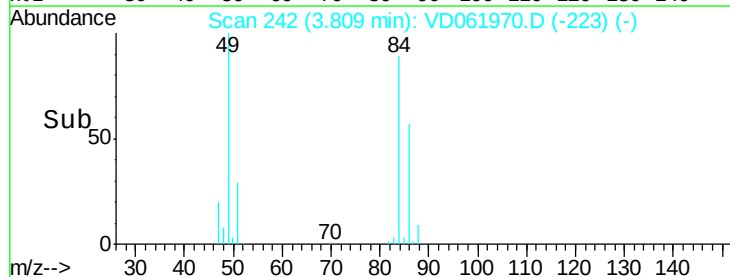
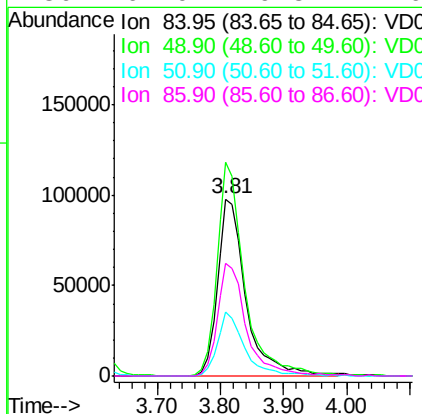
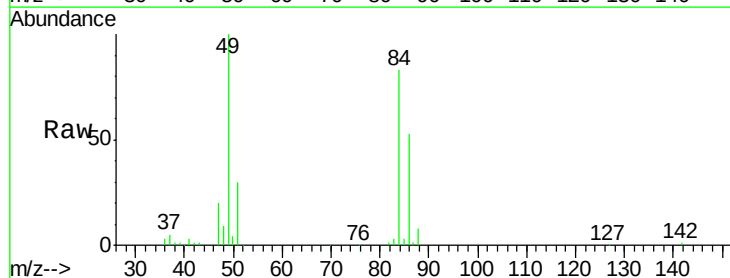
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

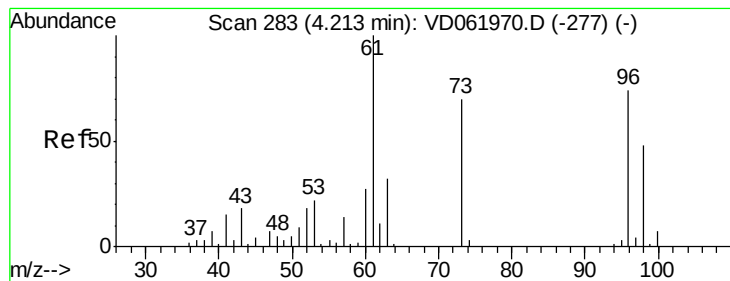
Tot Ion: 73 Resp: 532854
Ion Ratio Lower Upper
73 100
57 19.5 16.3 24.5



#20
Methylene Chloride
Concen: 39.472 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 84 Resp: 306174
Ion Ratio Lower Upper
84 100
49 120.8 94.0 141.0
51 36.0 29.0 43.4
86 64.0 49.8 74.6





#21

trans-1,2-Dichloroethene

Concen: 47.452 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

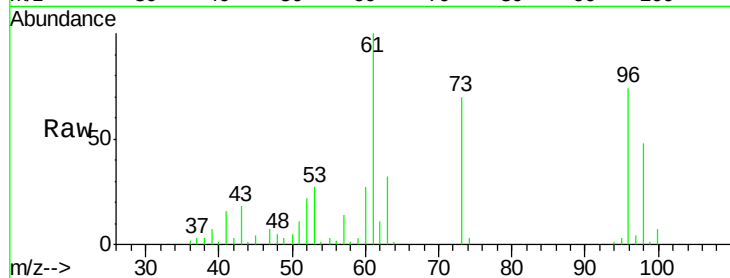
Tot Ion: 96 Resp: 318981

Ion Ratio Lower Upper

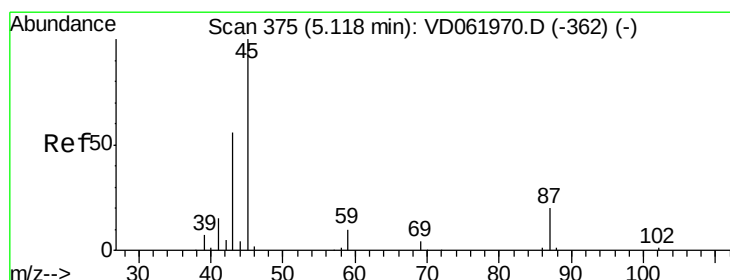
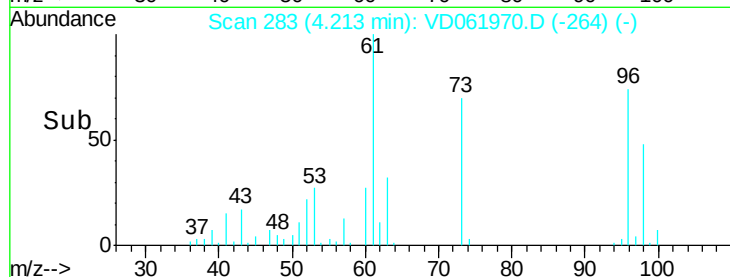
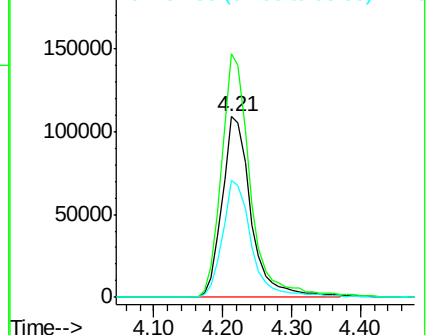
96 100

61 134.9 104.4 156.6

98 64.7 51.8 77.8



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



#22

Diisopropyl ether

Concen: 42.814 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Tgt Ion: 45 Resp: 852235

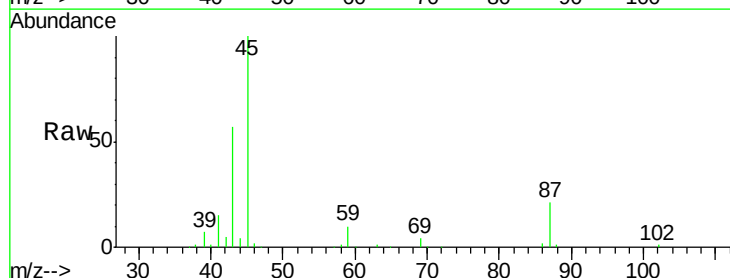
Ion Ratio Lower Upper

45 100

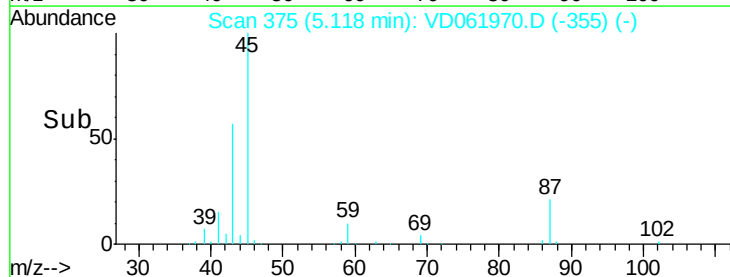
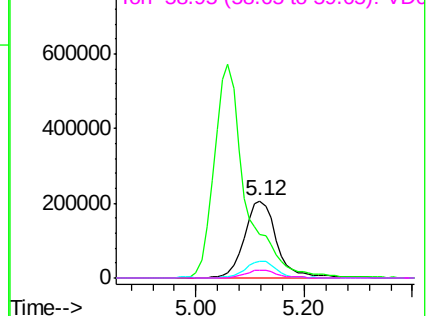
43 56.9 46.2 69.2

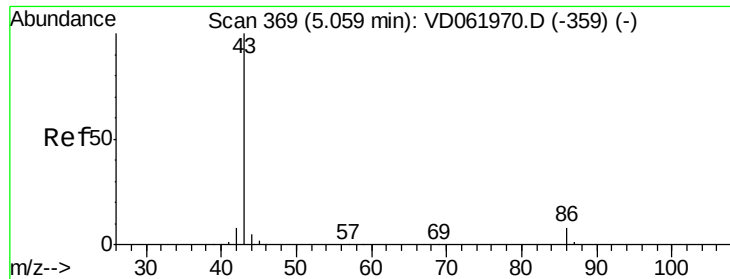
87 20.9 15.9 23.9

59 10.4 7.9 11.9



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: 215.145 ug/l

RT: 5.06 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

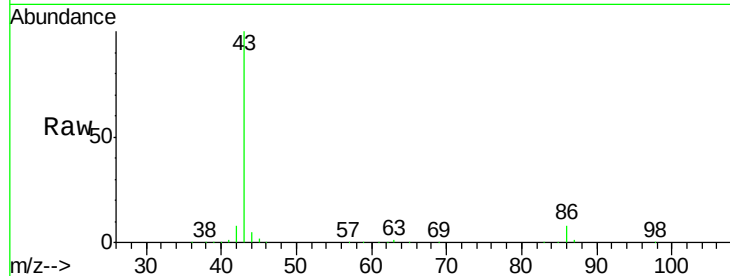
VSTDICCC050

Tot Ion: 43 Resp: 2280661

Ion Ratio Lower Upper

43 100

86 8.1 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.06

600000

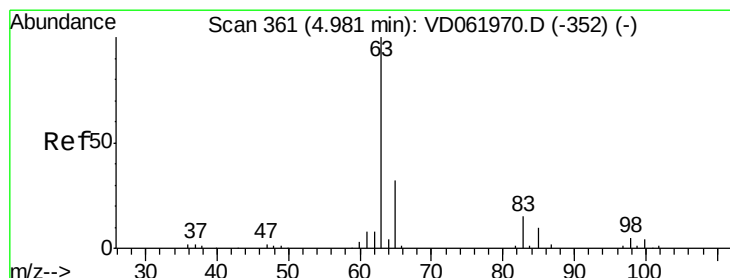
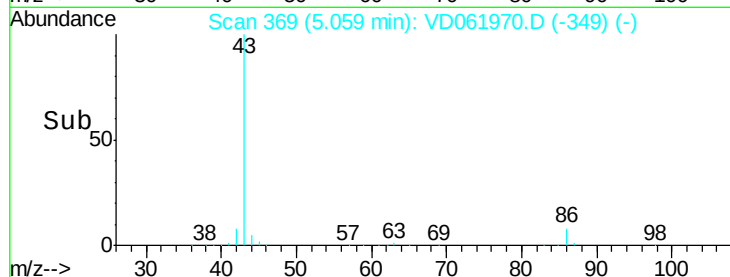
400000

200000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 43.282 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

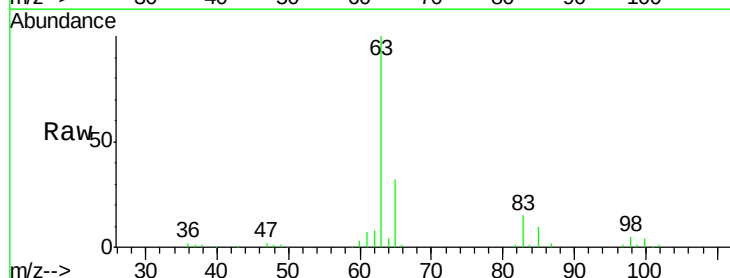
Tgt Ion: 63 Resp: 507072

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.4

100 3.8 1.8 5.5



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

4.98

150000

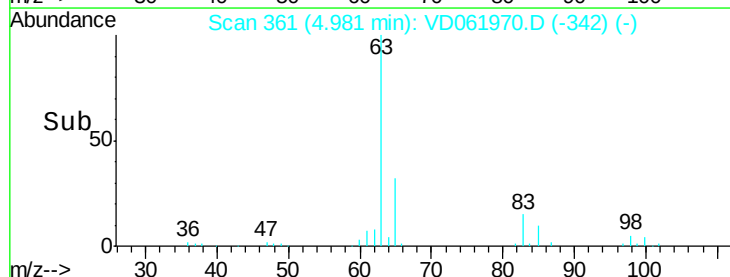
100000

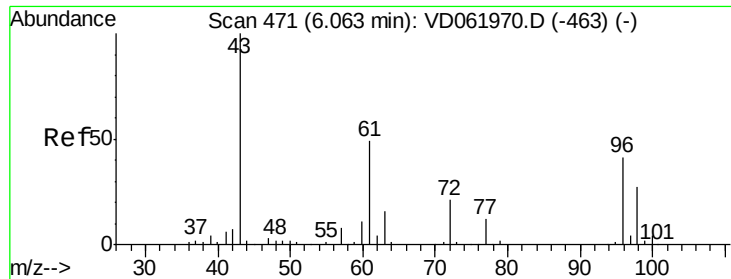
50000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 220.061 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

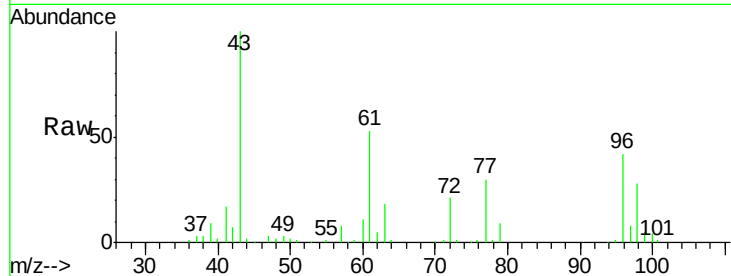
VSTDICCC050

Tot Ion: 43 Resp: 370046

Ion Ratio Lower Upper

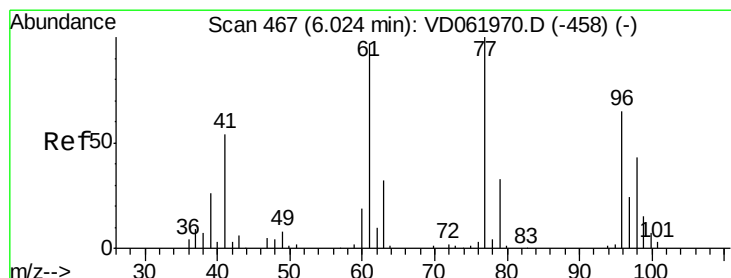
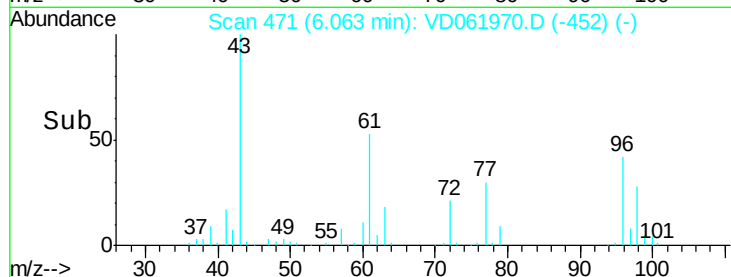
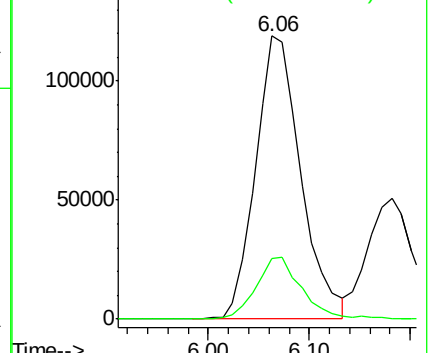
43 100

72 21.5 16.2 24.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.678 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061970.D

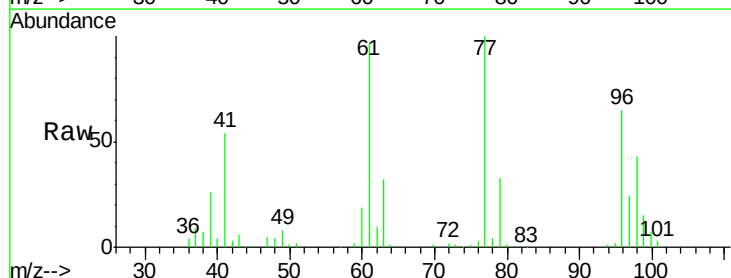
Acq: 23 Apr 2019 14:24

Tgt Ion: 77 Resp: 441763

Ion Ratio Lower Upper

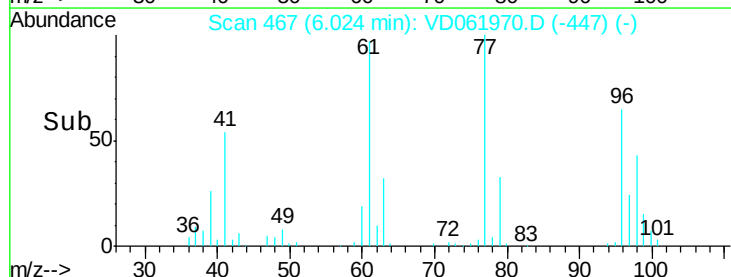
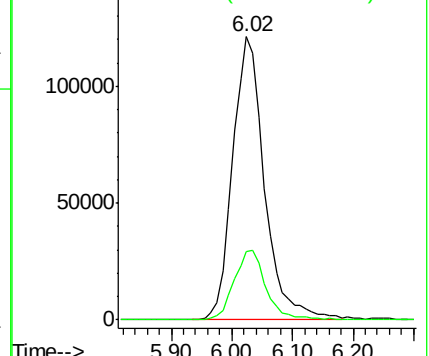
77 100

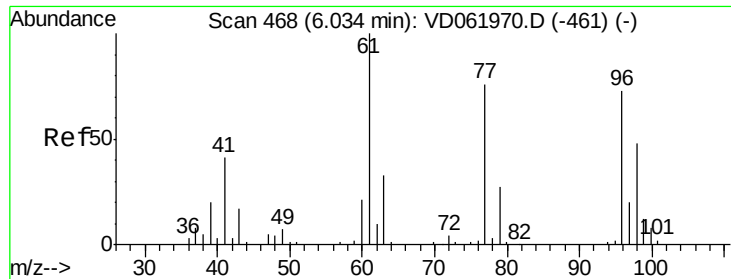
97 24.2 11.9 35.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



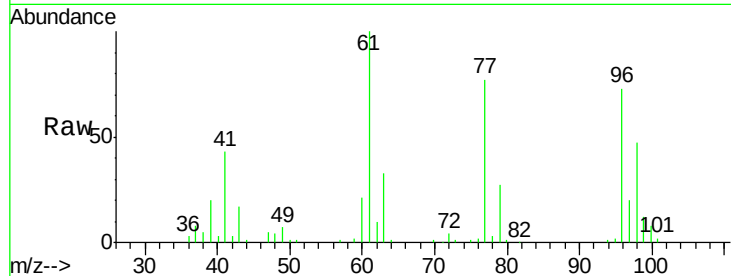


#27

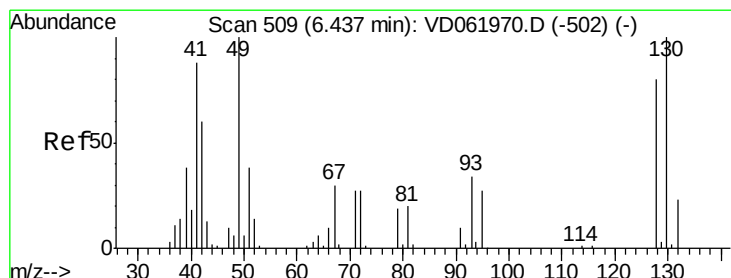
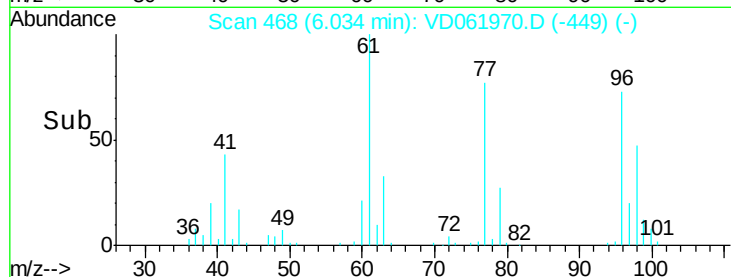
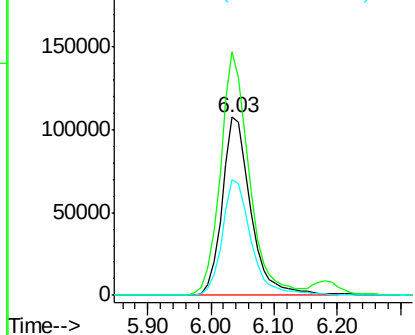
cis-1,2-Dichloroethene
Concen: 42.784 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 96 Resp: 339393
Ion Ratio Lower Upper
96 100
61 136.7 0.0 279.8
98 64.9 0.0 136.0



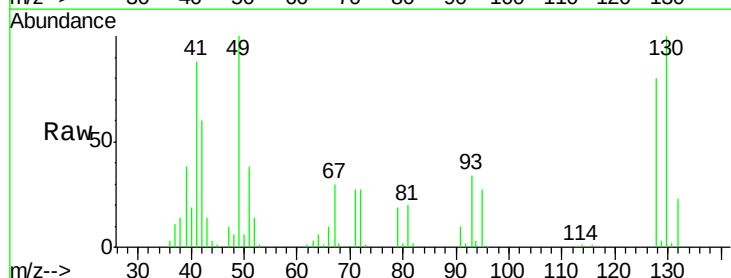
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



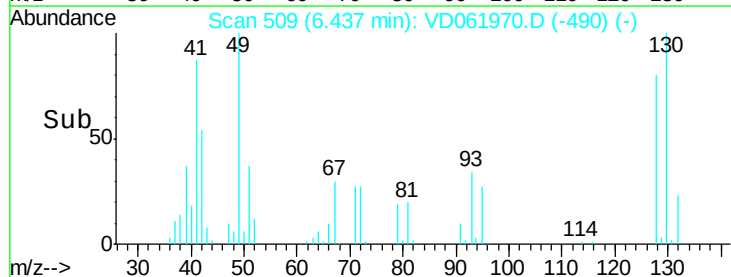
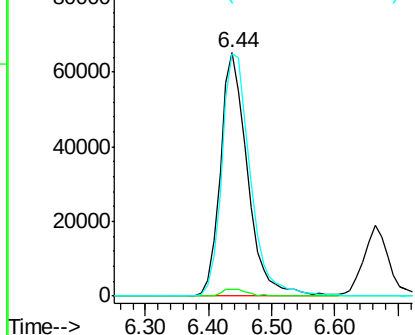
#28

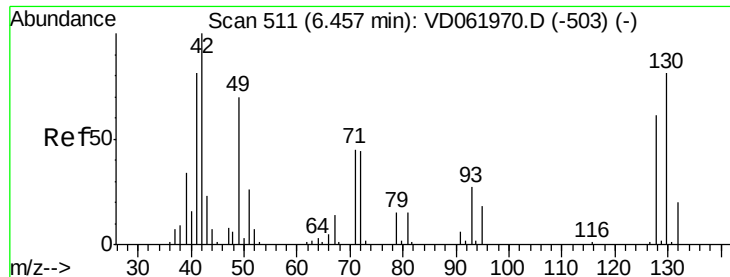
Bromochloromethane
Concen: 42.343 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 49 Resp: 195505
Ion Ratio Lower Upper
49 100
129 2.7 0.0 6.6
130 99.8 86.7 130.1



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: 220.377 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

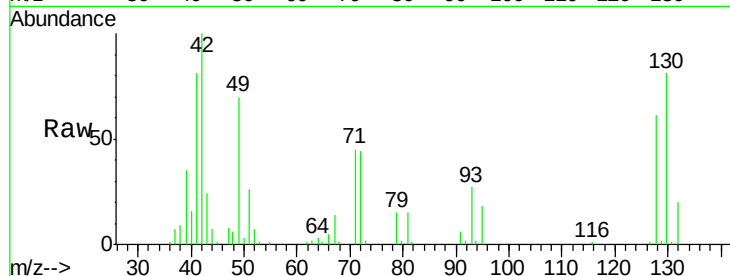
Tot Ion: 42 Resp: 192934

Ion Ratio Lower Upper

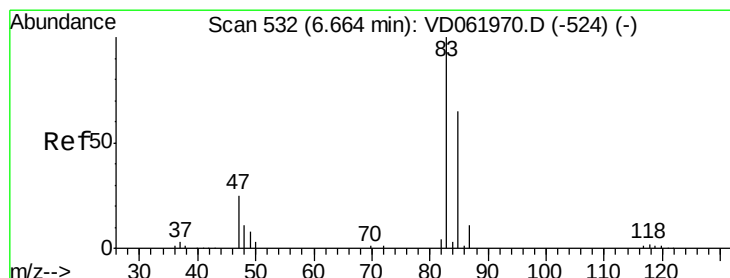
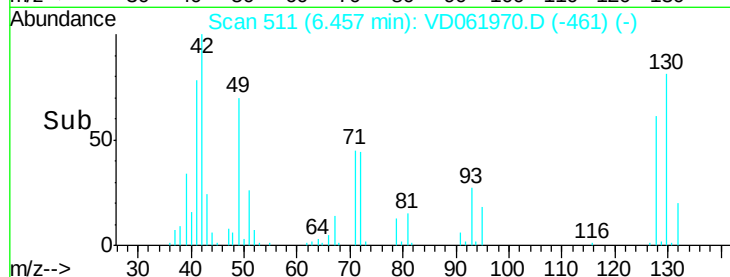
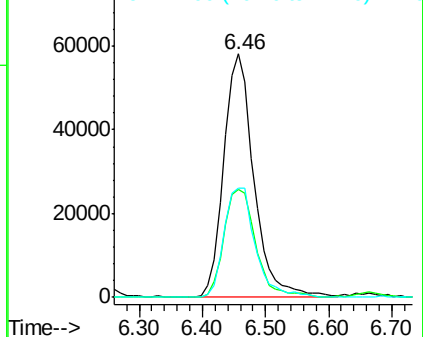
42 100

72 46.4 37.8 56.6

71 46.4 36.7 55.1



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 45.378 ug/l

RT: 6.66 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD061970.D

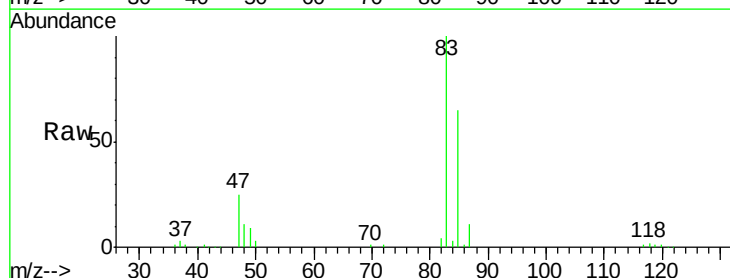
Acq: 23 Apr 2019 14:24

Tgt Ion: 83 Resp: 623850

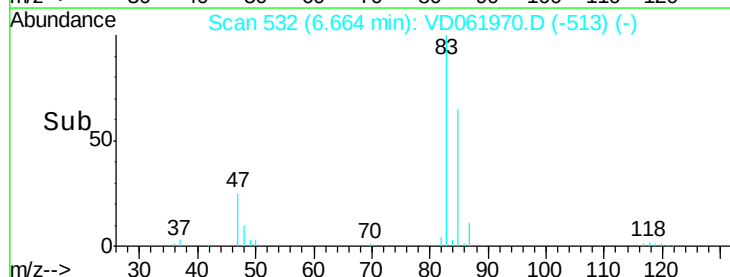
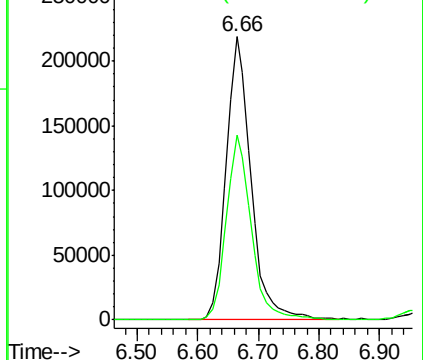
Ion Ratio Lower Upper

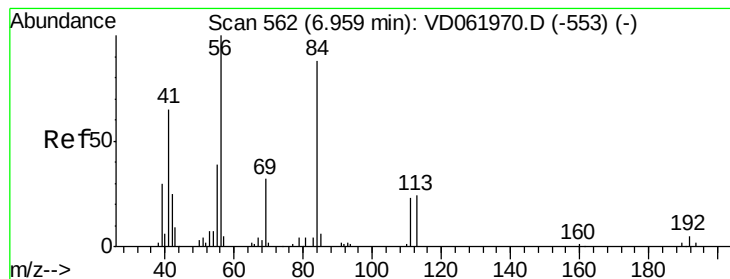
83 100

85 65.1 51.7 77.5



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 50.432 ug/l

RT: 6.96 min Scan# 562

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

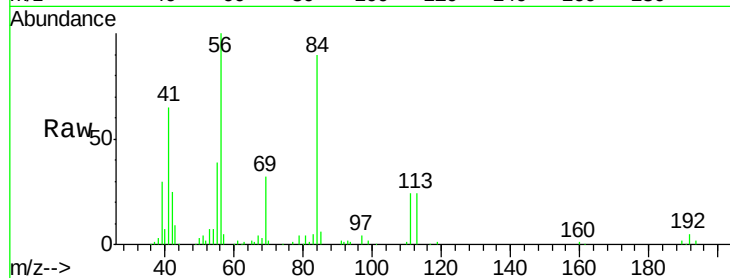
Tot Ion: 56 Resp: 419519

Ion Ratio Lower Upper

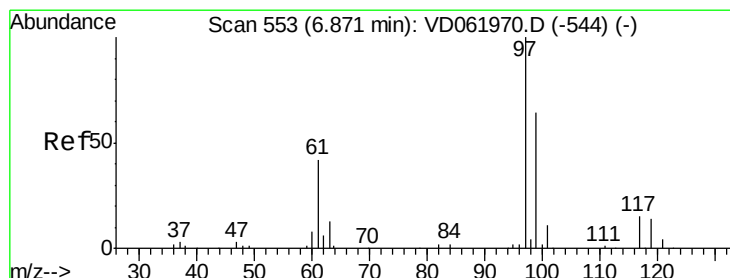
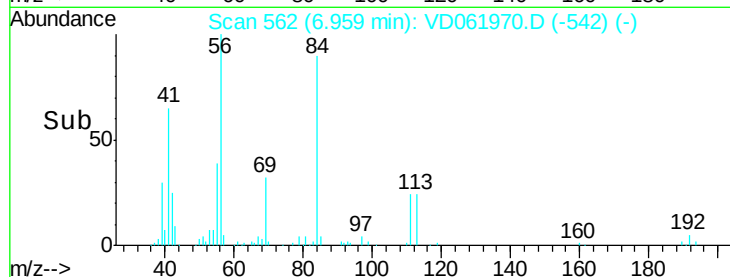
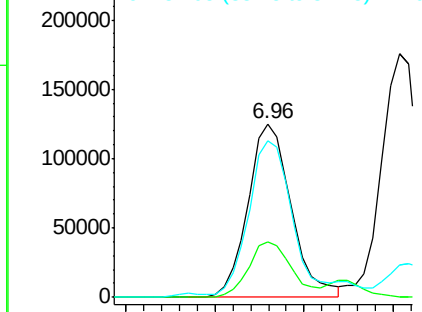
56 100

69 31.8 25.8 38.6

84 90.3 72.2 108.4



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: 46.825 ug/l

RT: 6.87 min Scan# 553

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

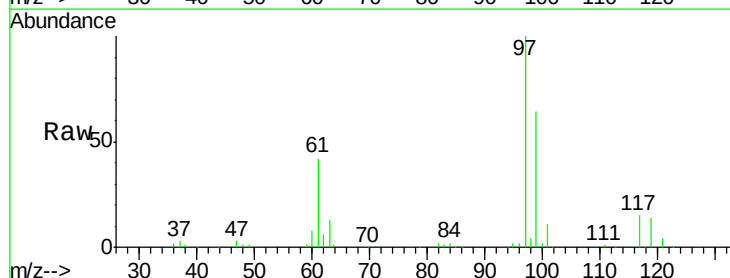
Tgt Ion: 97 Resp: 562851

Ion Ratio Lower Upper

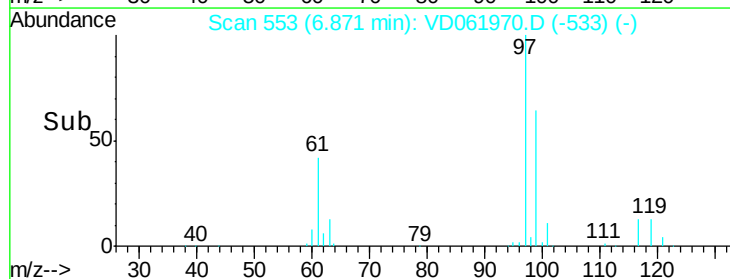
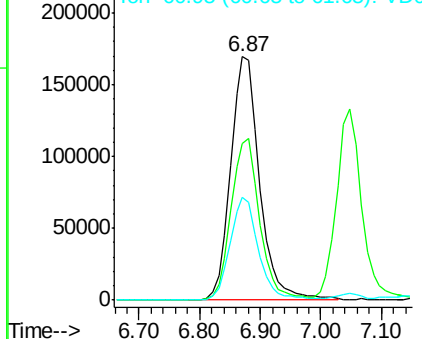
97 100

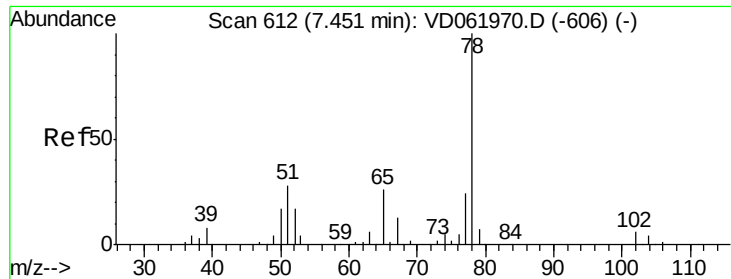
99 64.3 52.2 78.2

61 42.0 32.4 48.6



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

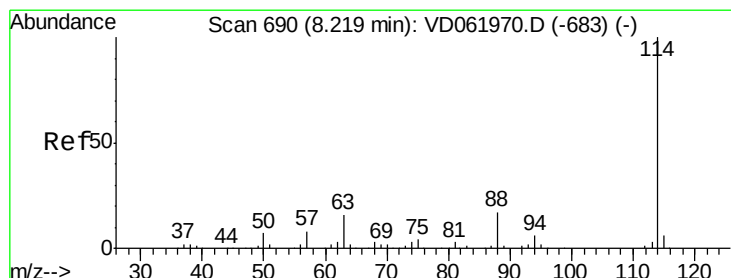
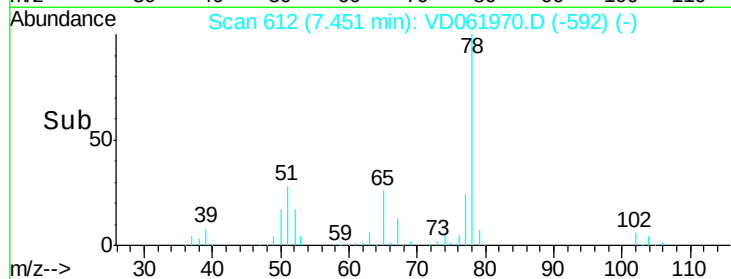
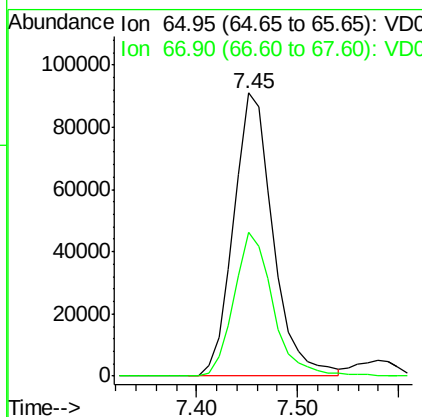
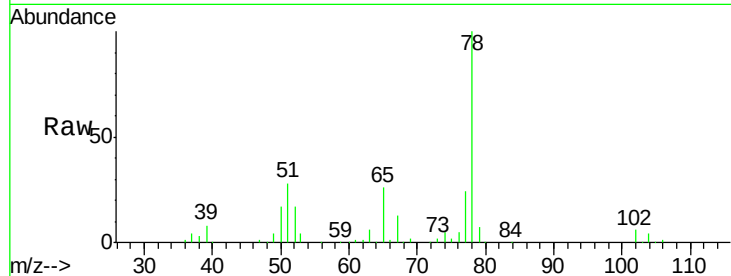




#33
 1,2-Dichloroethane-d4
 Concen: 46.825 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

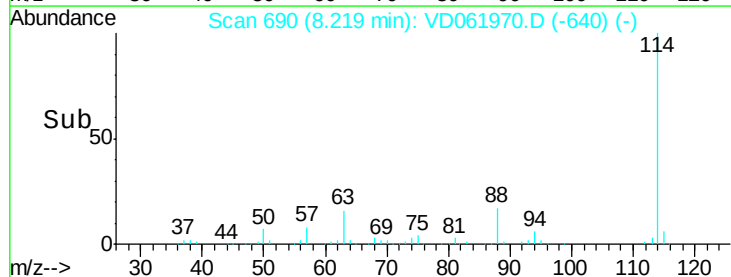
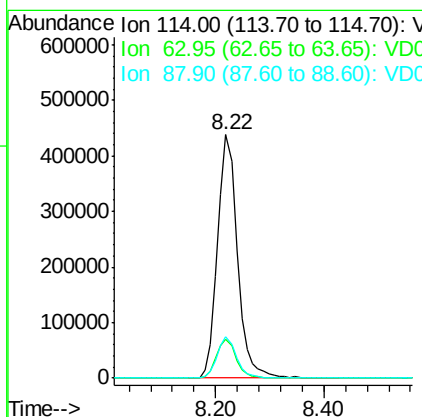
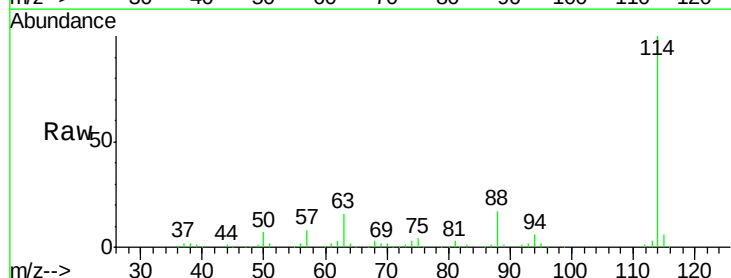
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

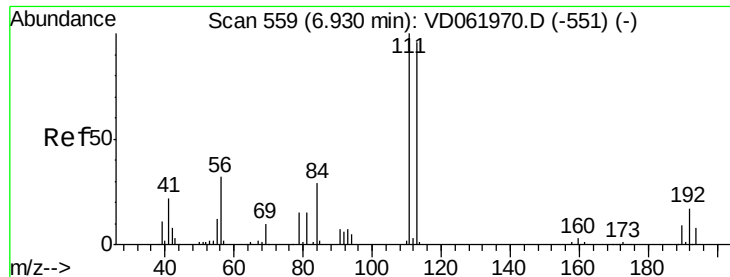
Tot Ion: 65 Resp: 247719
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 98.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion: 114 Resp: 1119221
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 32.4
 88 17.1 0.0 33.6

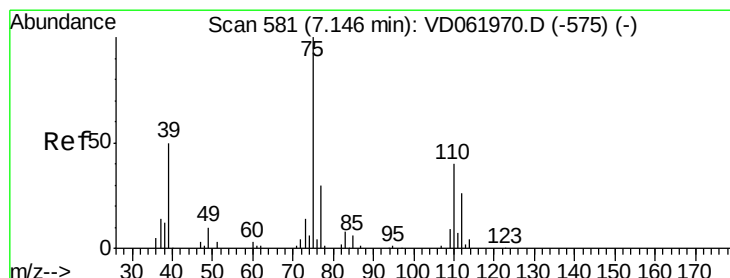
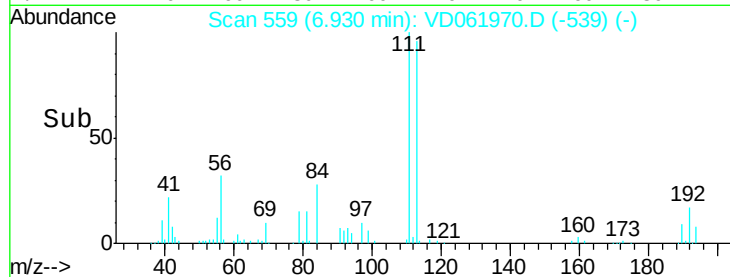
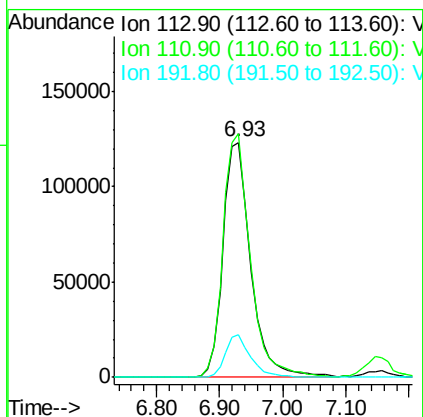
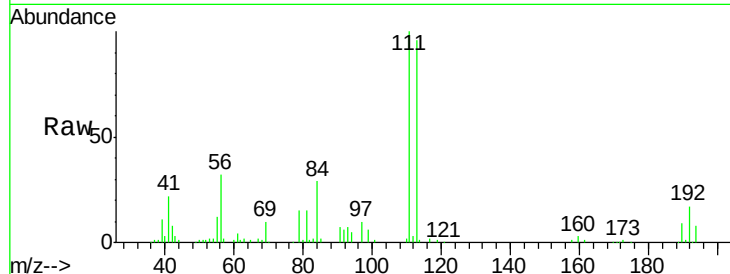




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 559
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

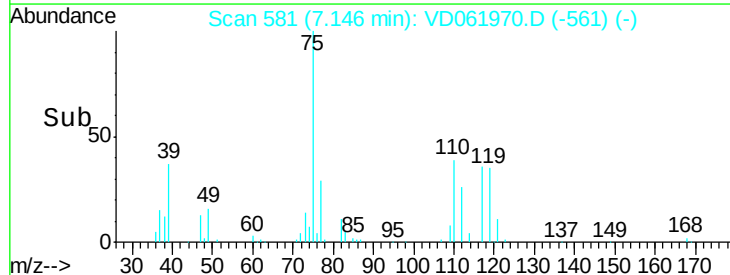
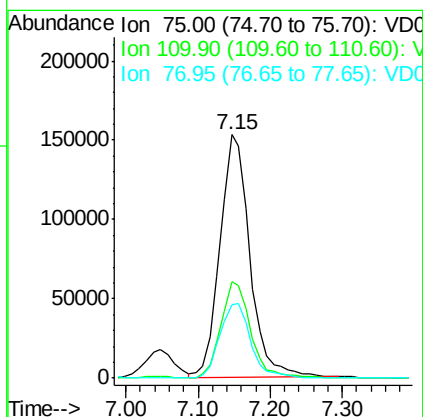
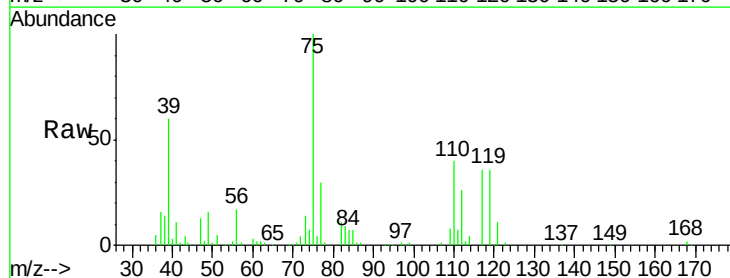
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

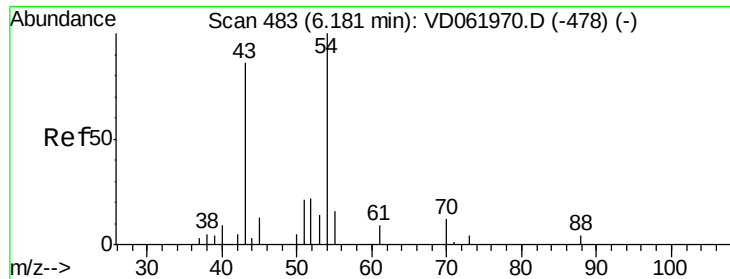
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	78.5	117.7
192	18.1	13.0	19.4



#36
 1,1-Dichloropropene
 Concen: 49.067 ug/l
 RT: 7.15 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.1	57.1
77	29.9	25.6	38.4

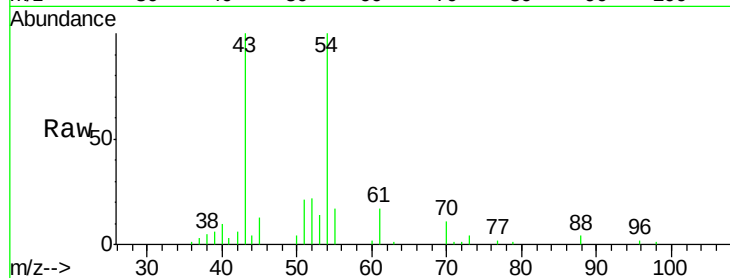




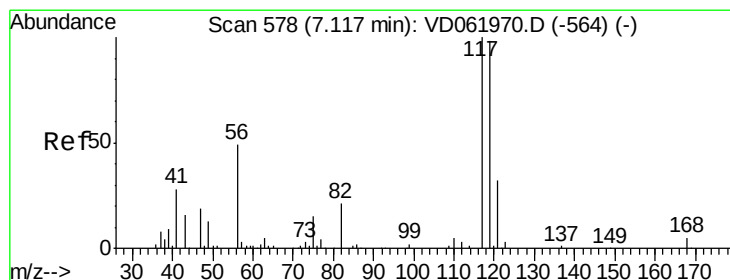
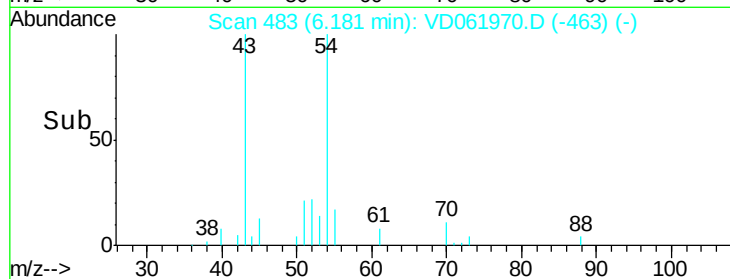
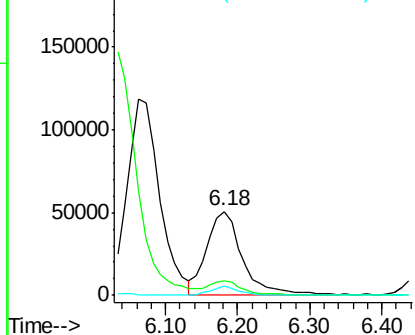
#37
Ethyl Acetate
Concen: 40.456 ug/l
RT: 6.18 min Scan# 483
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 167475
Ion Ratio Lower Upper
43 100
61 16.9 14.7 22.1
70 11.3 7.8 11.6

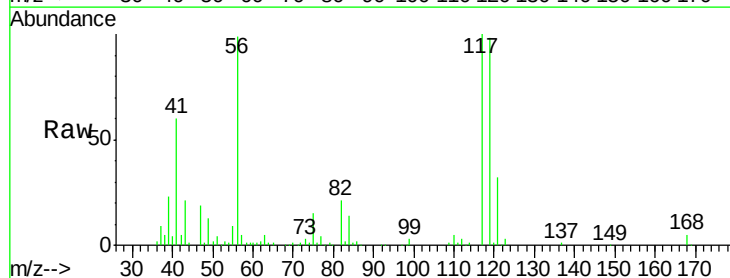


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

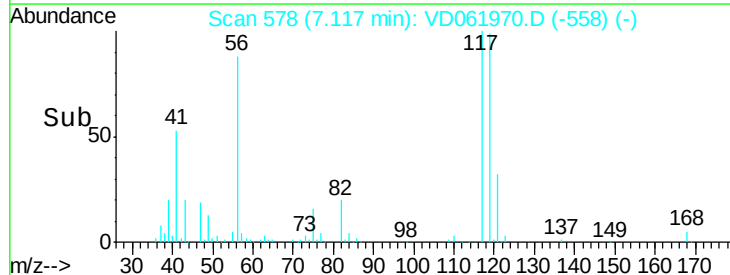
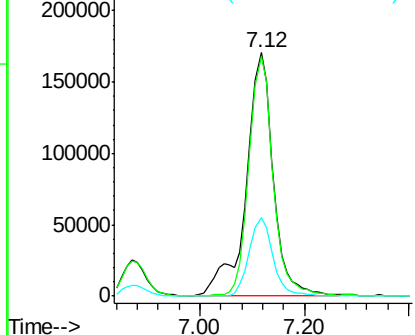


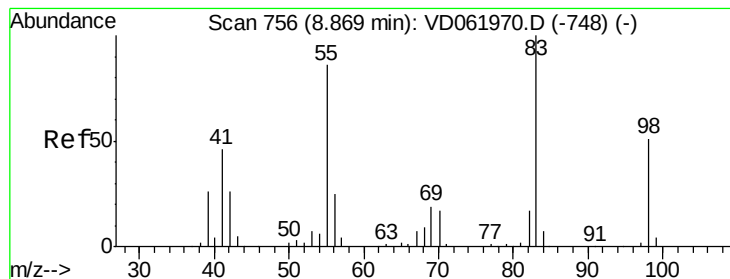
#38
Carbon Tetrachloride
Concen: 51.927 ug/l
RT: 7.12 min Scan# 578
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 117 Resp: 594438
Ion Ratio Lower Upper
117 100
119 98.4 75.8 113.8
121 32.0 25.9 38.9



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylvlcyclohexane

Concen: 48.394 ug/l

RT: 8.87 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

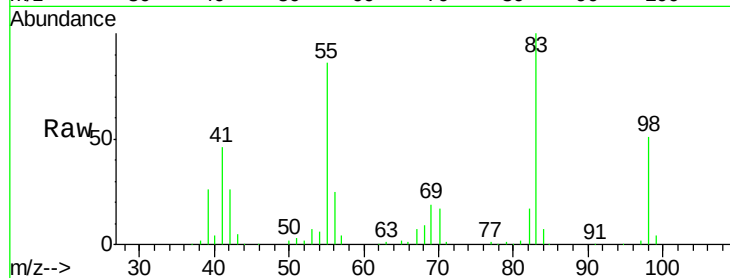
Tot Ion: 83 Resp: 428034

Ion Ratio Lower Upper

83 100

55 85.6 68.2 102.4

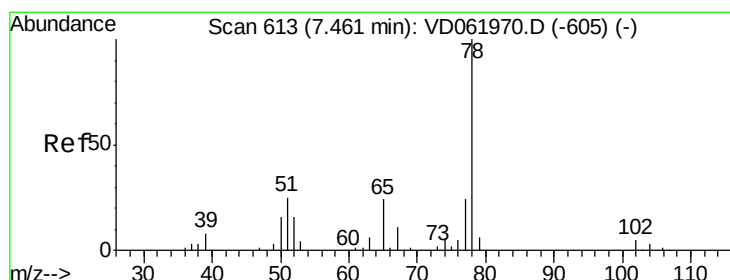
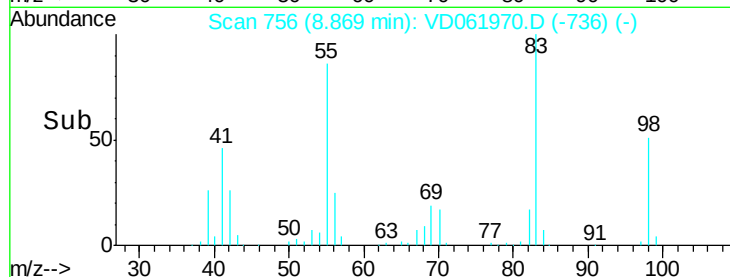
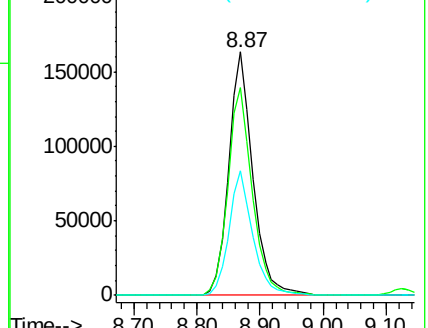
98 51.3 38.2 57.4



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: 47.314 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.00 min

Lab File: VD061970.D

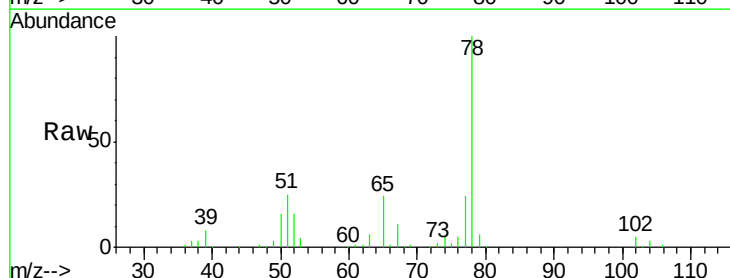
Acq: 23 Apr 2019 14:24

Tgt Ion: 78 Resp: 1066237

Ion Ratio Lower Upper

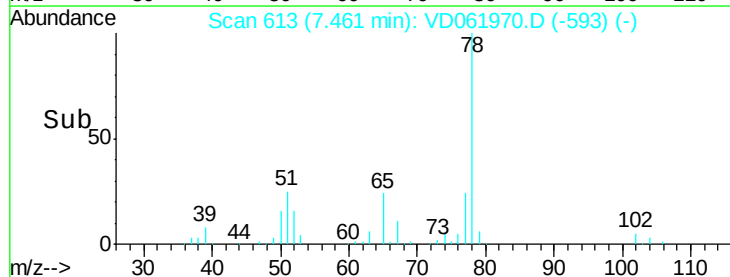
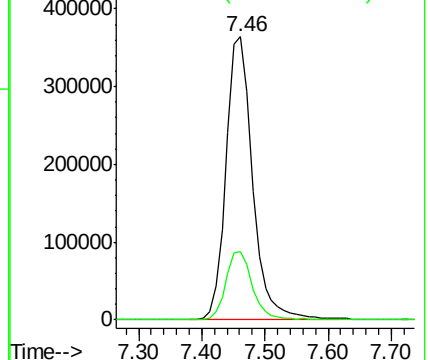
78 100

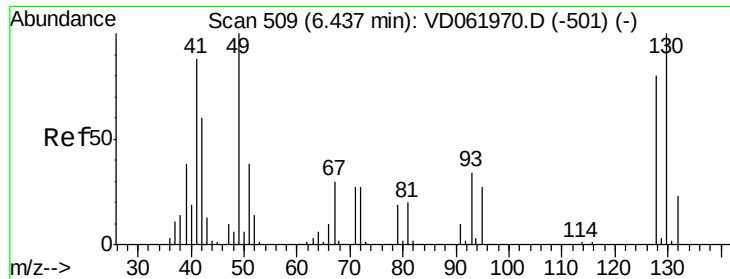
77 24.4 19.7 29.5



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

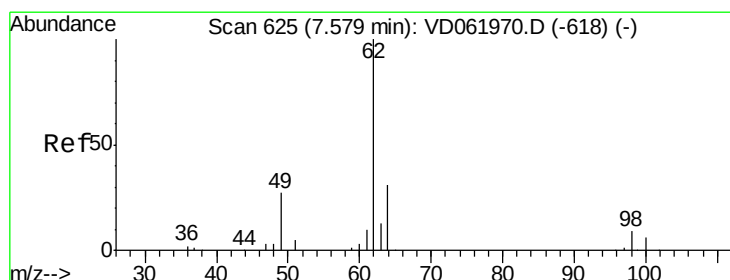
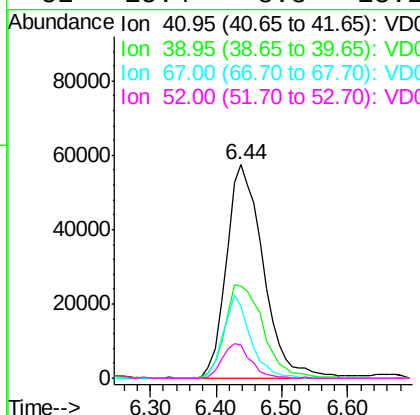
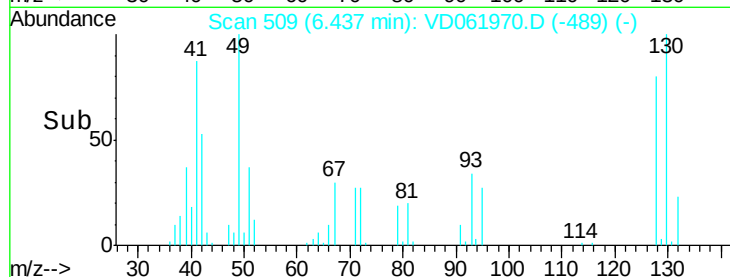
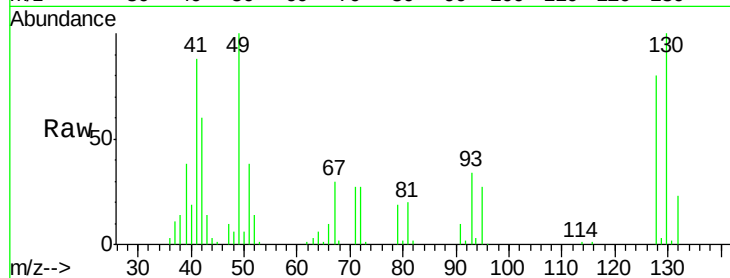




#41
Methacrylonitrile
Concen: 46.023 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

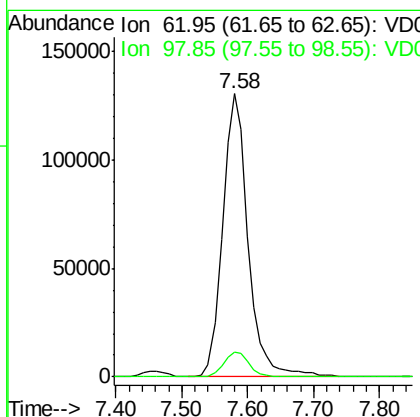
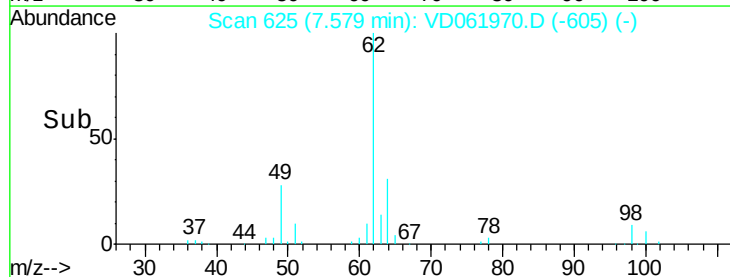
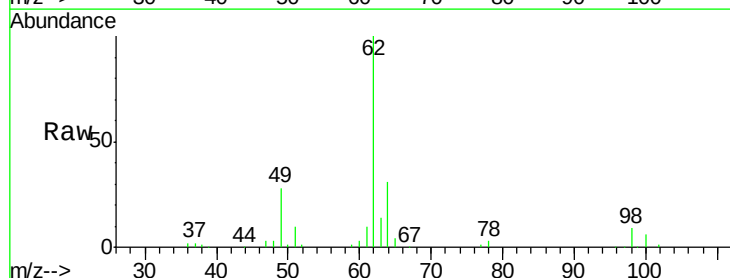
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

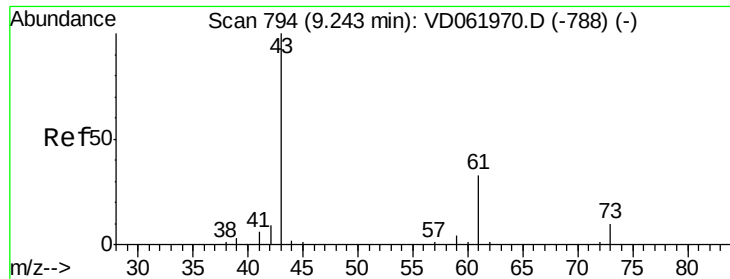
Tot Ion: 41 Resp: 225502
Ion Ratio Lower Upper
41 100
39 43.1 34.1 51.1
67 33.5 23.8 35.6
52 15.4 8.8 13.2#



#42
1,2-Dichloroethane
Concen: 42.132 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 62 Resp: 348572
Ion Ratio Lower Upper
62 100
98 8.8 0.0 17.8





#43

Isopropyl Acetate

Concen: 42.636 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

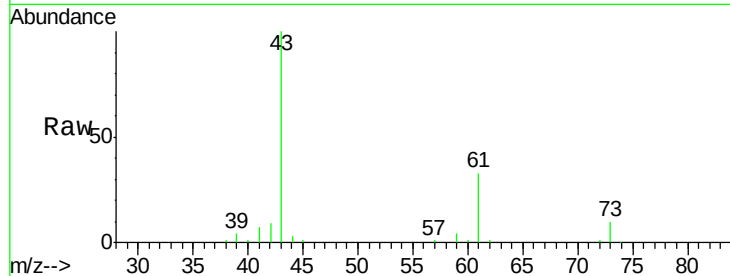
Tot Ion: 43 Resp: 257151

Ion Ratio Lower Upper

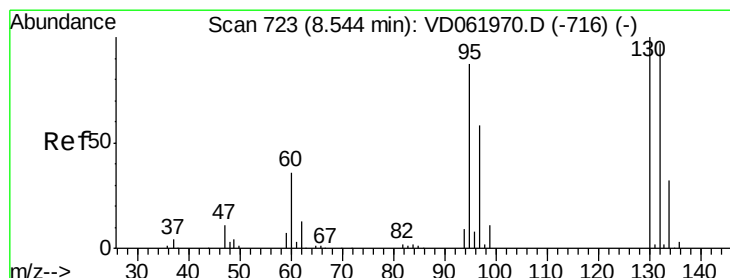
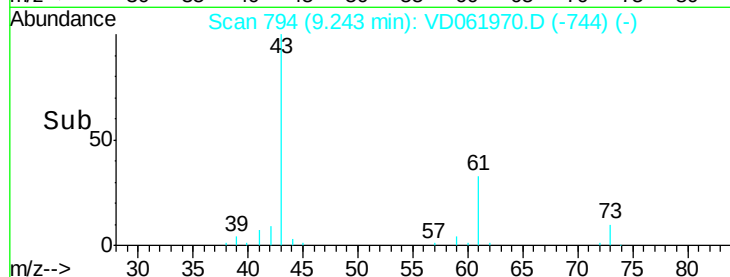
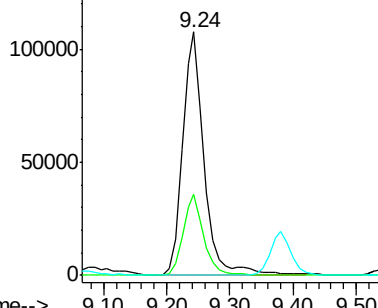
43 100

61 33.1 25.1 37.7

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: 49.850 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD061970.D

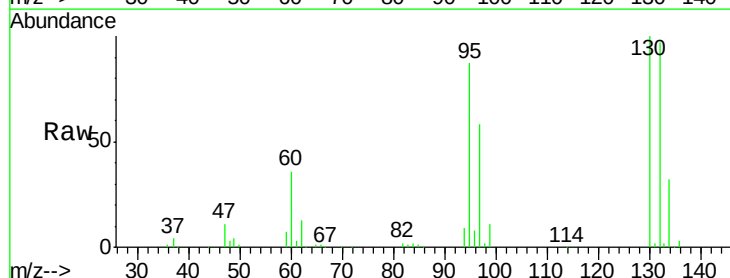
Acq: 23 Apr 2019 14:24

Tgt Ion:130 Resp: 417342

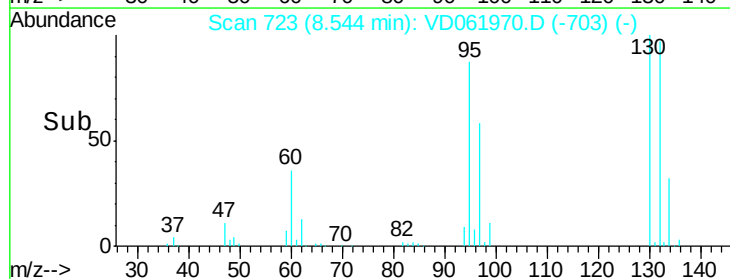
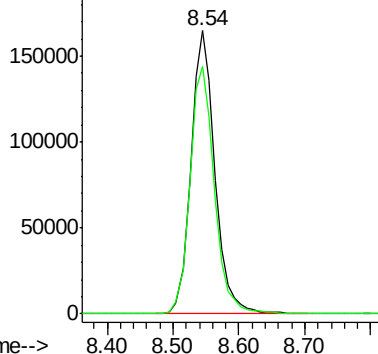
Ion Ratio Lower Upper

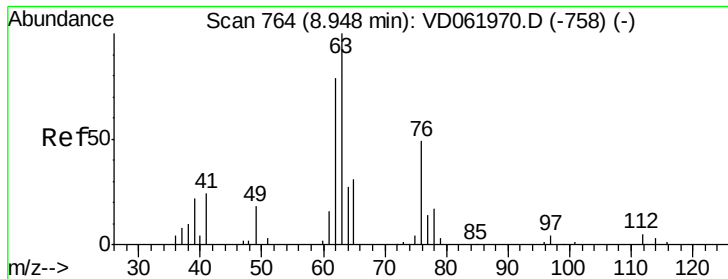
130 100

95 87.3 0.0 174.0



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





#45

1,2-Dichloropropane

Concen: 46.575 ug/l

RT: 8.95 min Scan# 764

Delta R.T. 0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

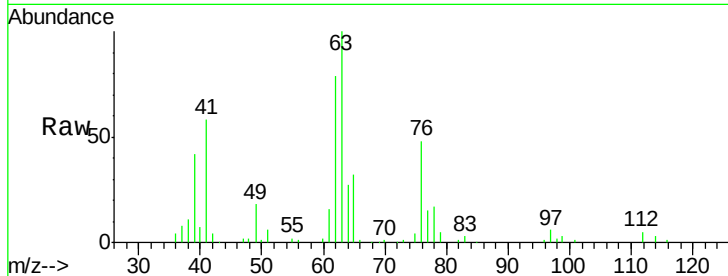
VSTDICCC050

Tot Ion: 63 Resp: 267634

Ion Ratio Lower Upper

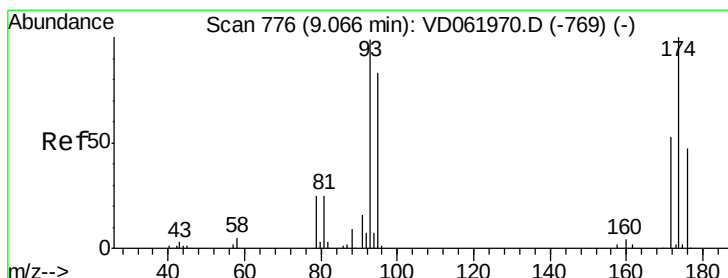
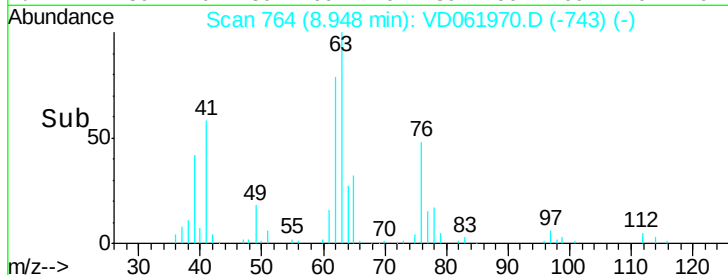
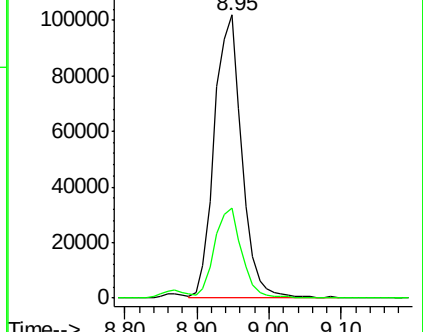
63 100

65 31.9 23.8 35.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 44.620 ug/l

RT: 9.07 min Scan# 776

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

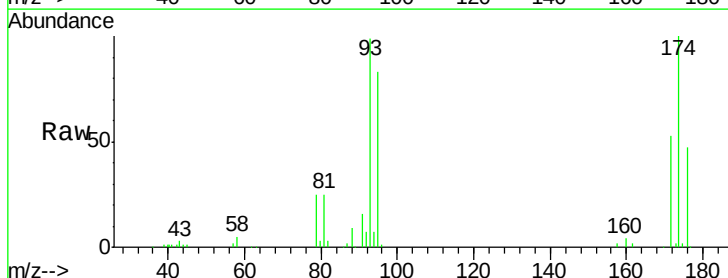
Tgt Ion: 93 Resp: 194521

Ion Ratio Lower Upper

93 100

95 84.5 64.8 97.2

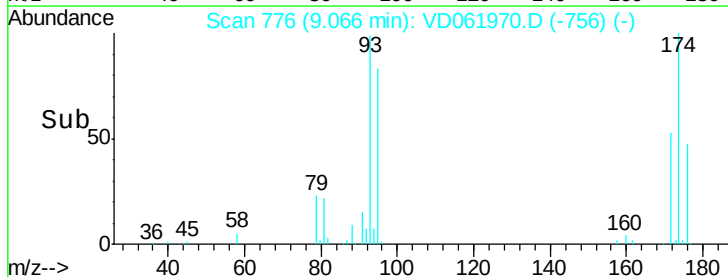
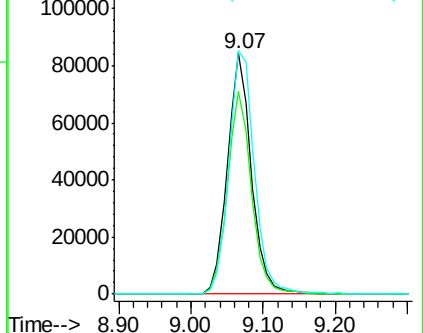
174 101.3 79.3 118.9

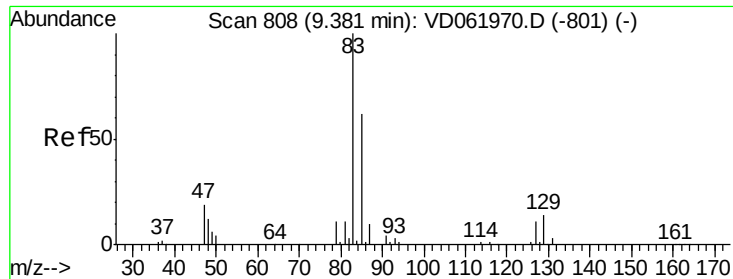


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 44.497 ug/l

RT: 9.38 min Scan# 808

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

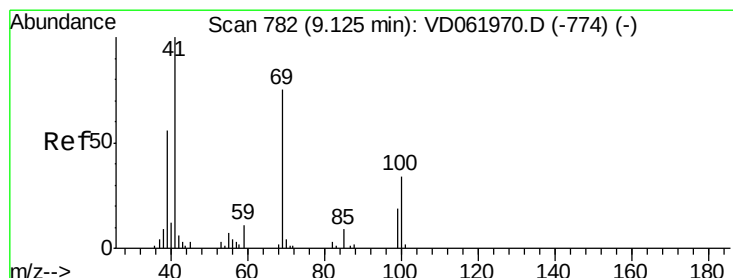
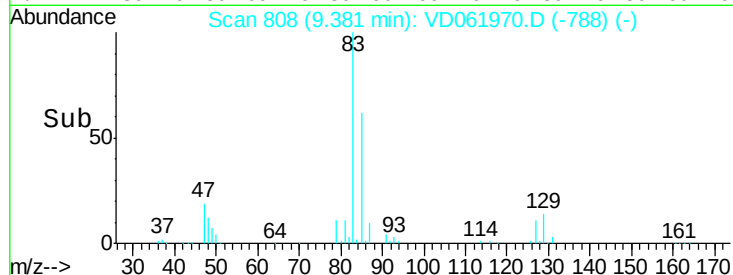
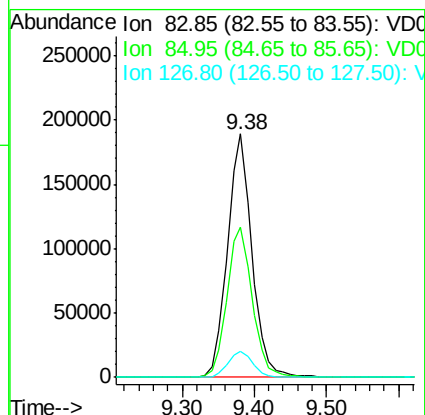
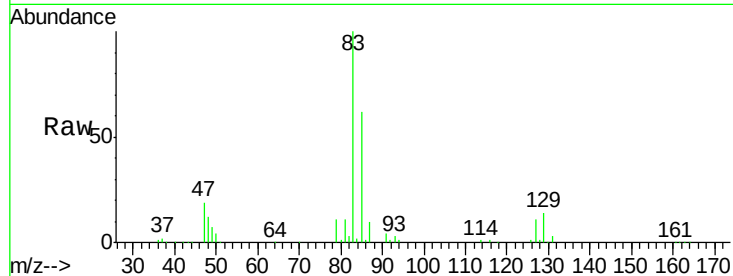
Tot Ion: 83 Resp: 444512

Ion Ratio Lower Upper

83 100

85 61.5 50.9 76.3

127 10.7 8.1 12.1



#48

Methyl methacrylate

Concen: 41.341 ug/l

RT: 9.12 min Scan# 782

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

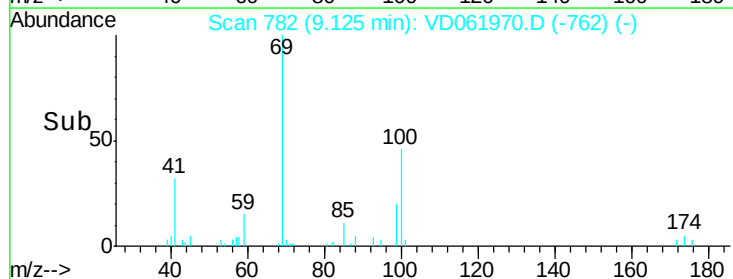
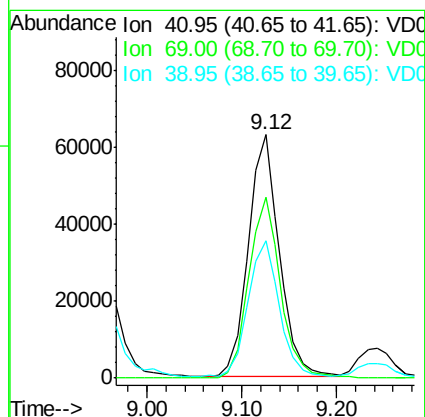
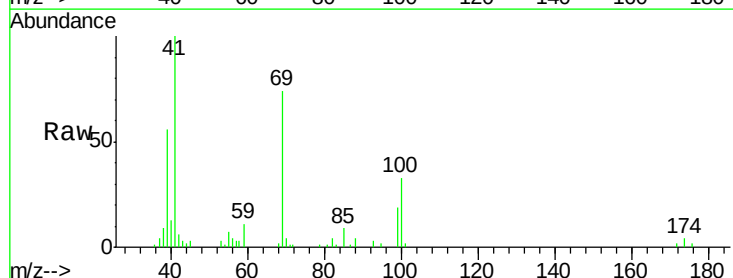
Tgt Ion: 41 Resp: 142260

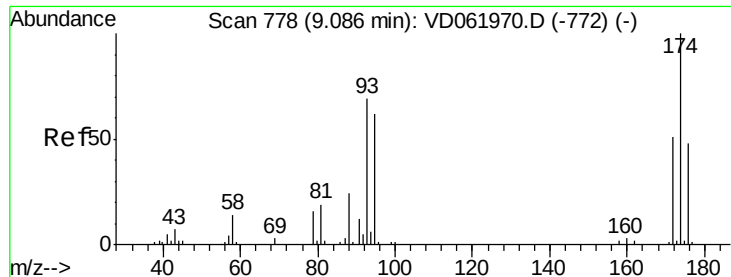
Ion Ratio Lower Upper

41 100

69 74.1 64.2 96.2

39 56.4 46.8 70.2

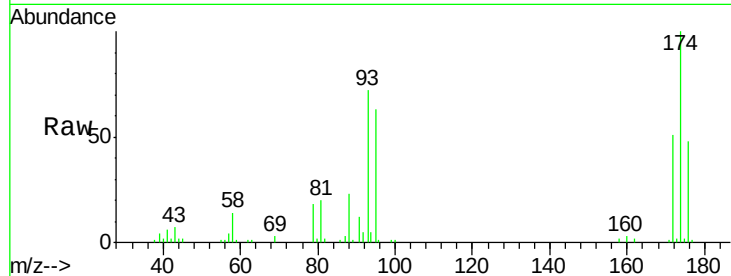




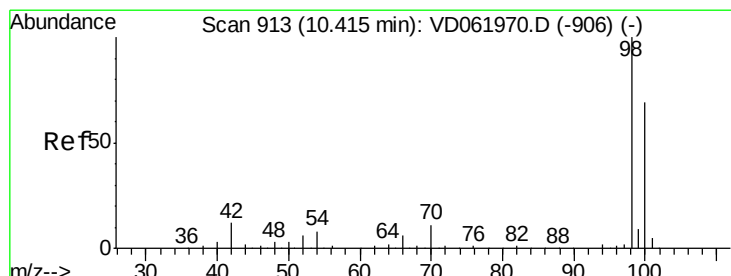
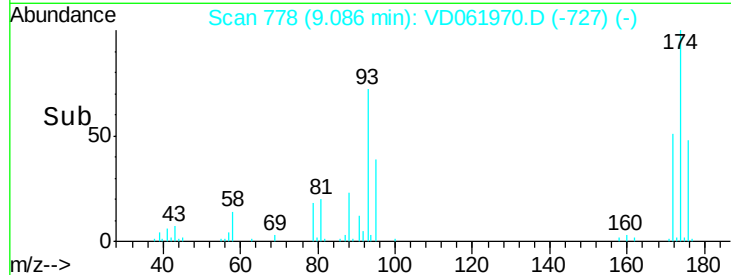
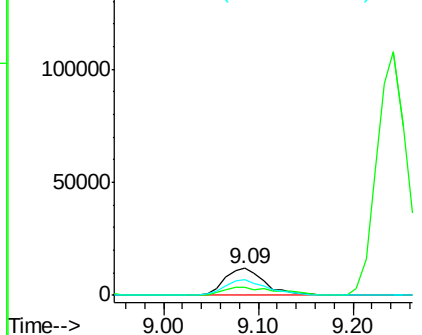
#49
1,4-Dioxane
Concen: 972.107 ug/l
RT: 9.09 min Scan# 778
Delta R.T. 0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	34566
Ion	Ratio	Lower	Upper
88	100		
43	30.6	23.4	35.0
58	59.0	44.0	66.0

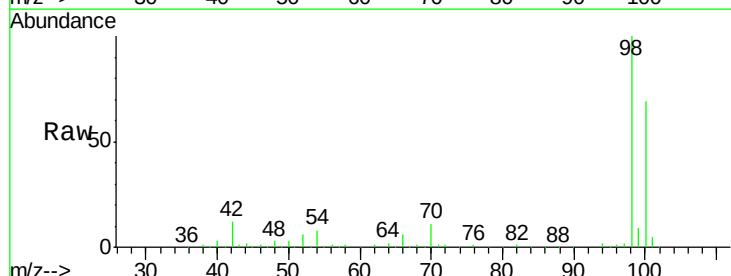


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

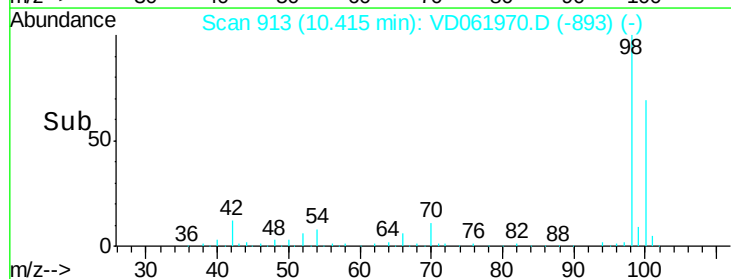
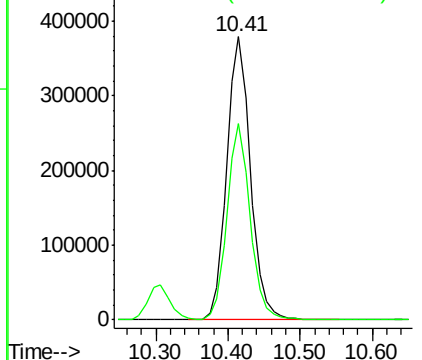


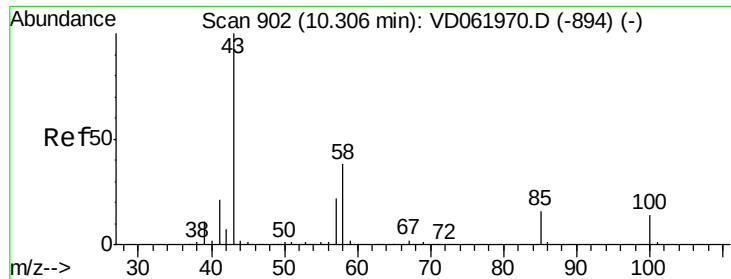
#50
Toluene-d8
Concen: 972.107 ug/l
RT: 10.41 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion	98	Resp	867036
Ion	Ratio	Lower	Upper
98	100		
100	69.3	53.8	80.8



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





#51

4-Methyl-2-Pentanone

Concen: 207.160 ug/l

RT: 10.31 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

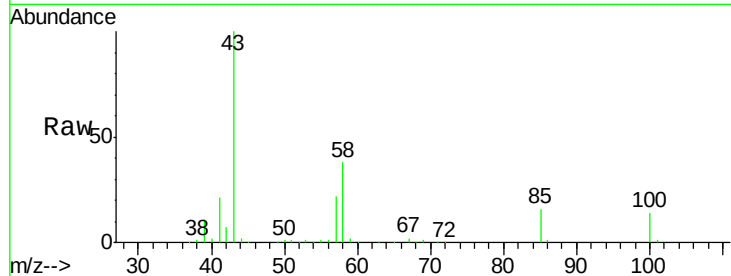
VSTDICCC050

Tot Ion: 43 Resp: 798226

Ion Ratio Lower Upper

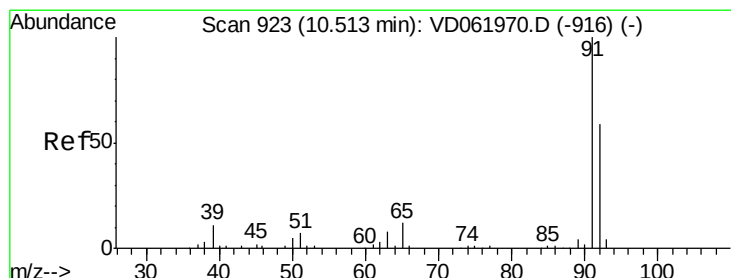
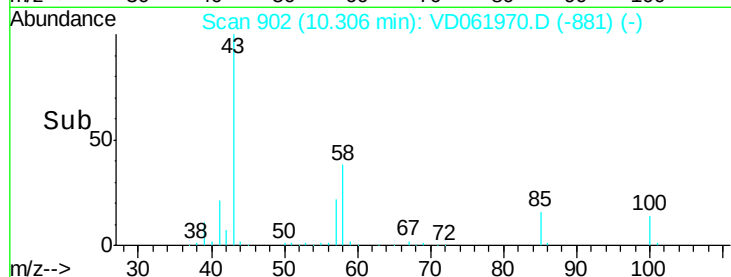
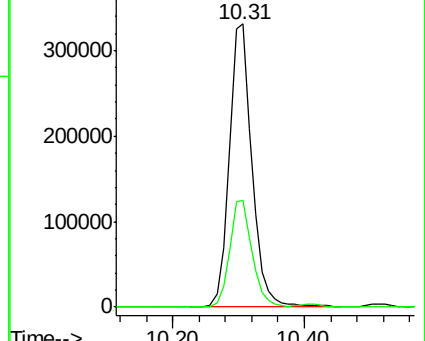
43 100

58 37.6 30.4 45.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 43.384 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD061970.D

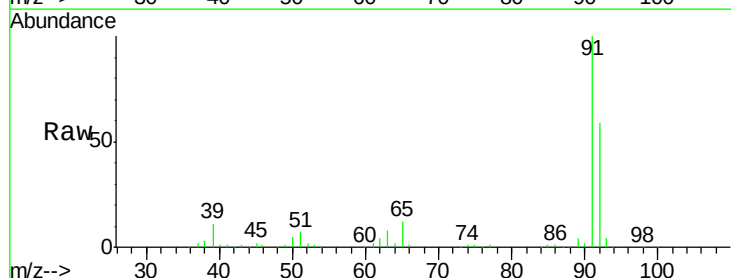
Acq: 23 Apr 2019 14:24

Tgt Ion: 92 Resp: 629026

Ion Ratio Lower Upper

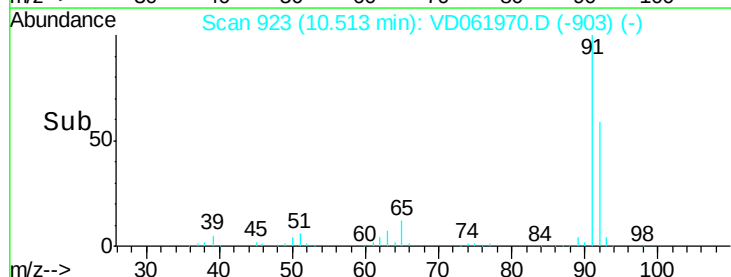
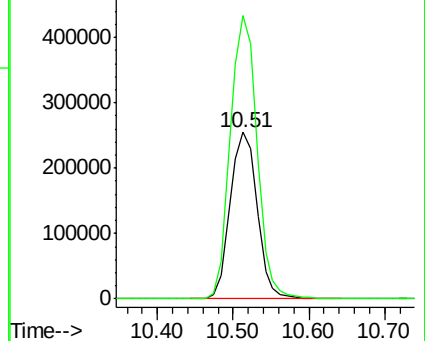
92 100

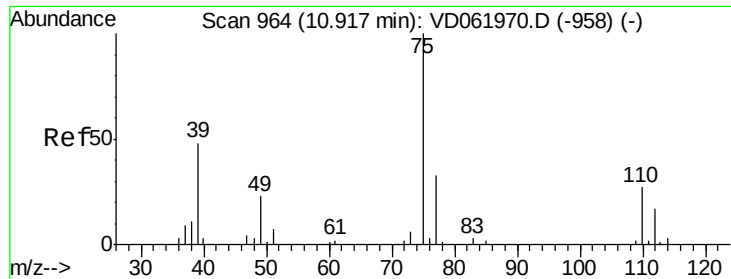
91 169.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

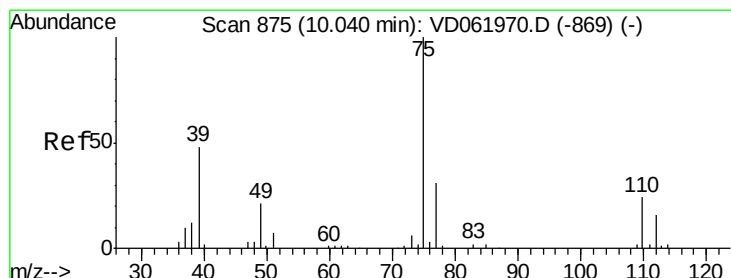
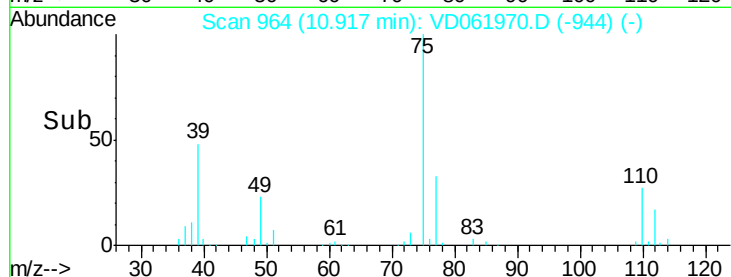
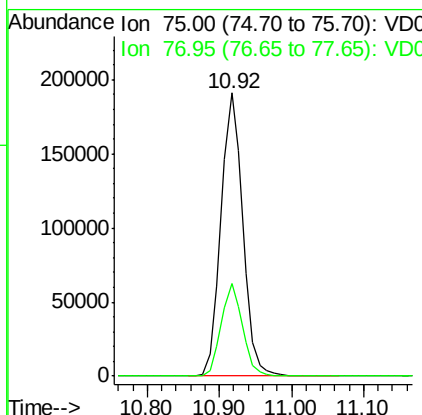
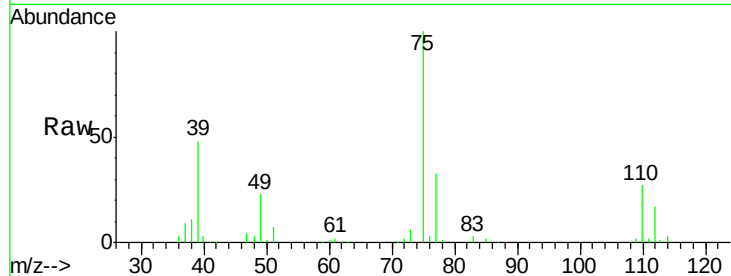




#53
 t-1,3-Dichloropropene
 Concen: 45.017 ug/l
 RT: 10.92 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

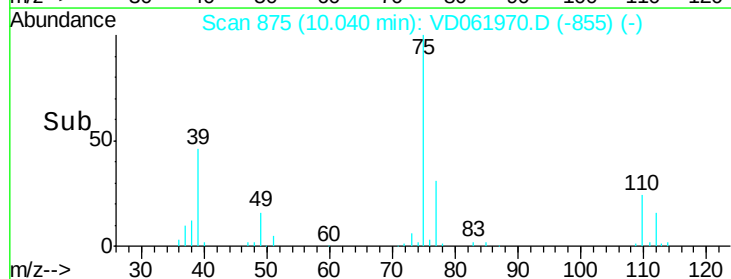
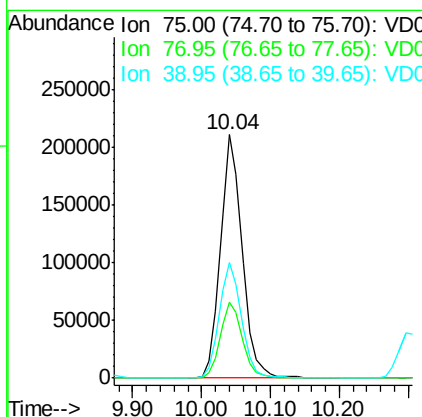
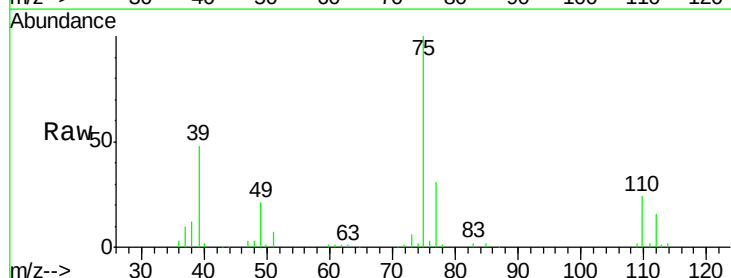
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

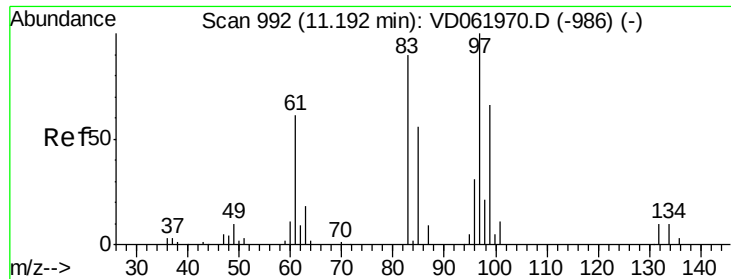
Tot Ion: 75 Resp: 399260
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8



#54
 cis-1,3-Dichloropropene
 Concen: 44.727 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion: 75 Resp: 460848
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.5 38.3
 39 47.7 39.4 59.2

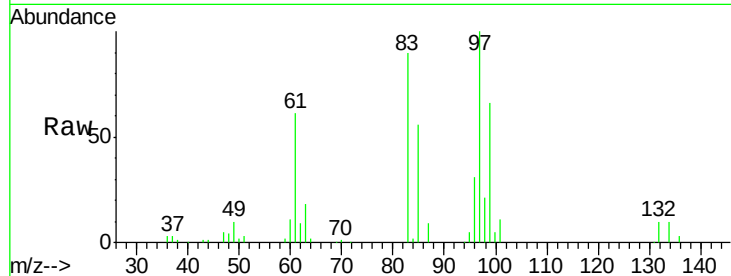




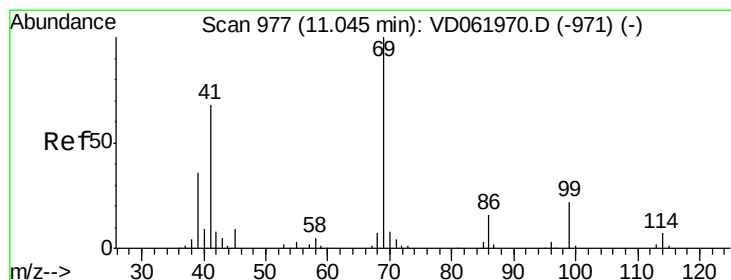
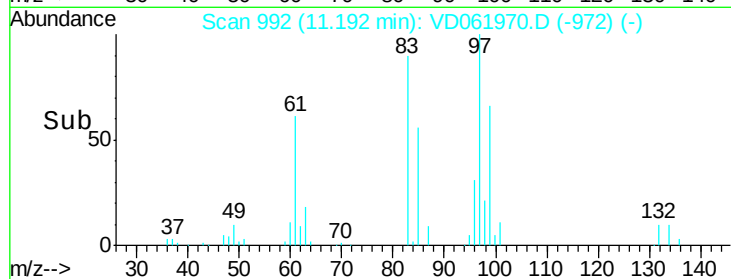
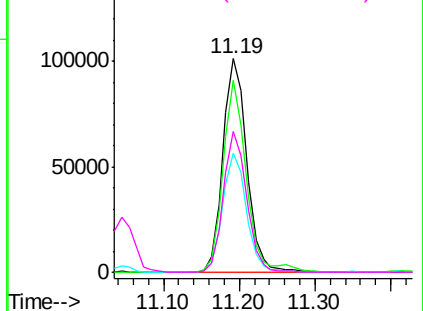
#55
 1,1,2-Trichloroethane
 Concen: 42.573 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	222132
Ion	Ratio	Lower	Upper
97	100		
83	89.9	65.7	98.5
85	55.7	45.6	68.4
99	65.9	48.4	72.6

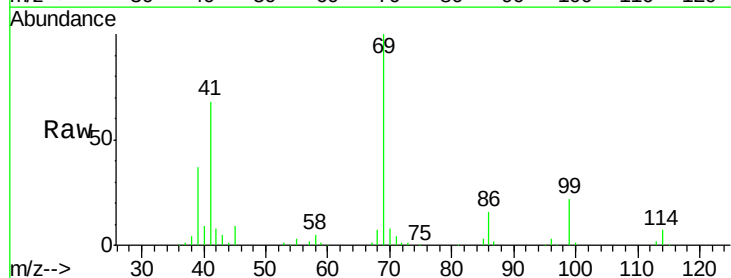


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

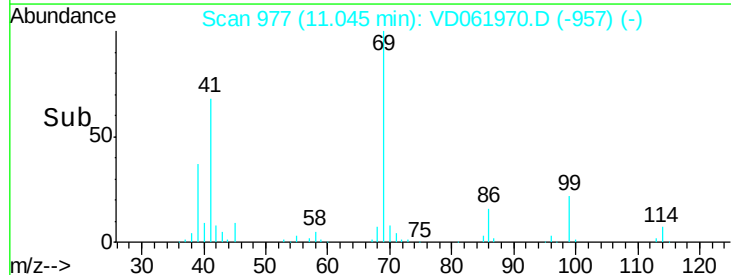
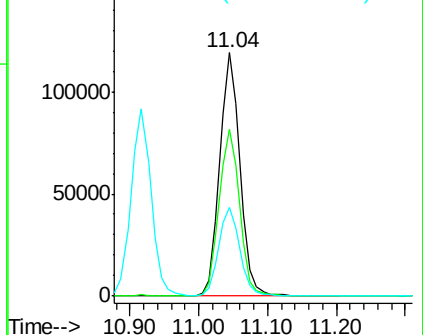


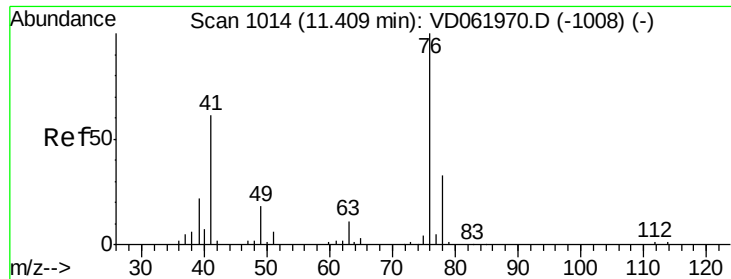
#56
 Ethyl methacrylate
 Concen: 43.900 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion:	69	Resp:	243307
Ion	Ratio	Lower	Upper
69	100		
41	68.3	56.3	84.5
39	36.7	29.4	44.2



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: 42.596 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

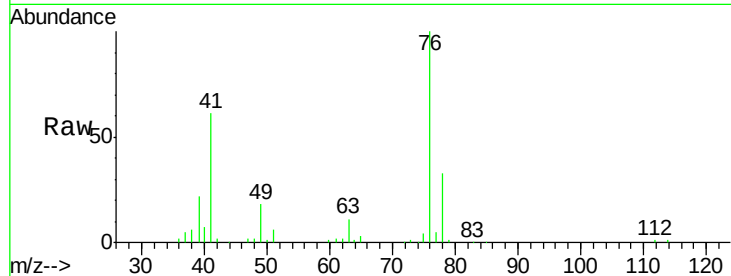
VSTDICCC050

Tot Ion: 76 Resp: 331151

Ion Ratio Lower Upper

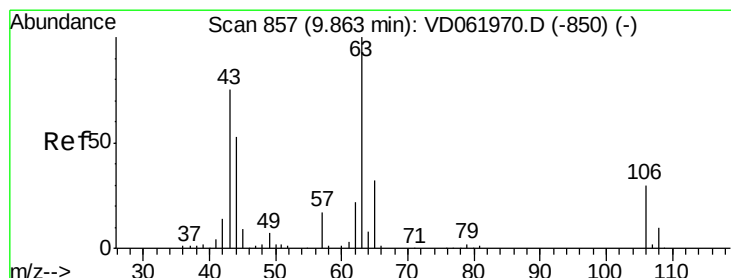
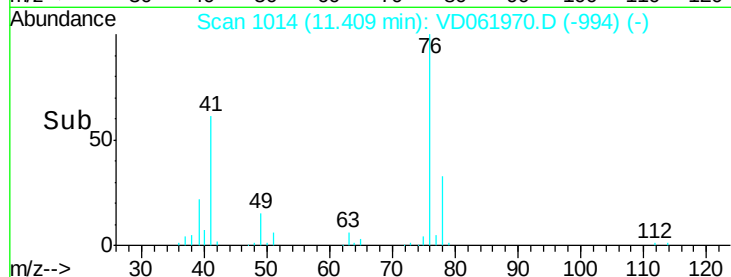
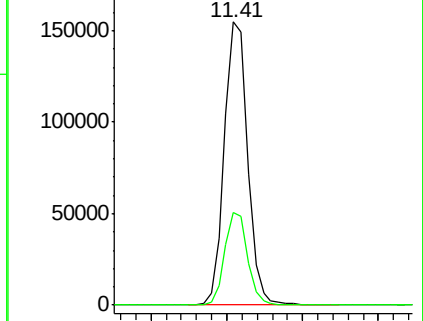
76 100

78 32.9 26.2 39.2



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: 200.340 ug/l

RT: 9.86 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD061970.D

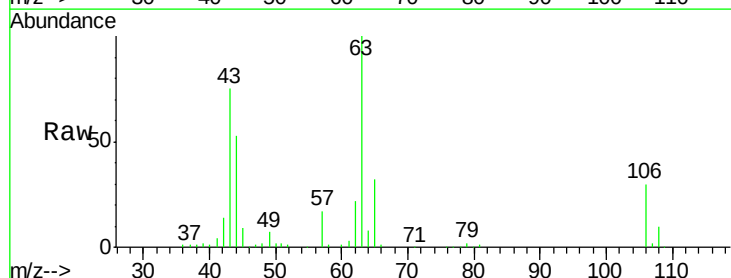
Acq: 23 Apr 2019 14:24

Tgt Ion: 63 Resp: 532743

Ion Ratio Lower Upper

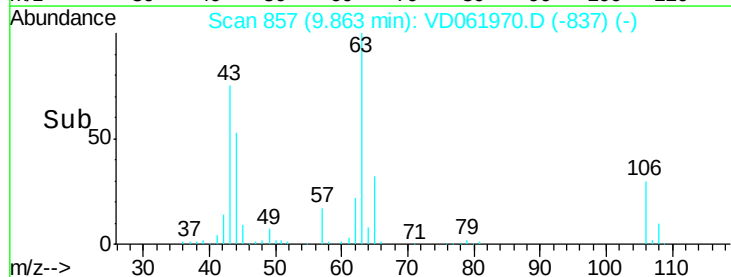
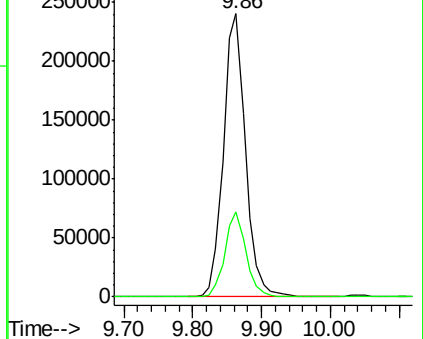
63 100

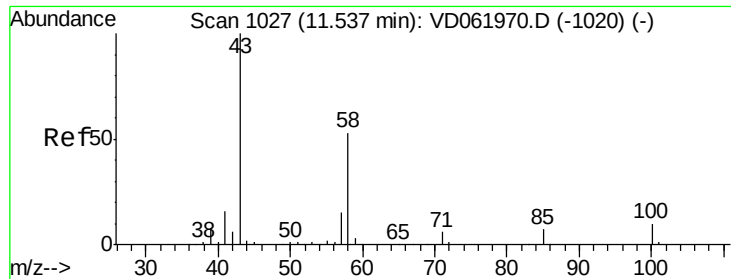
106 30.0 22.6 34.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

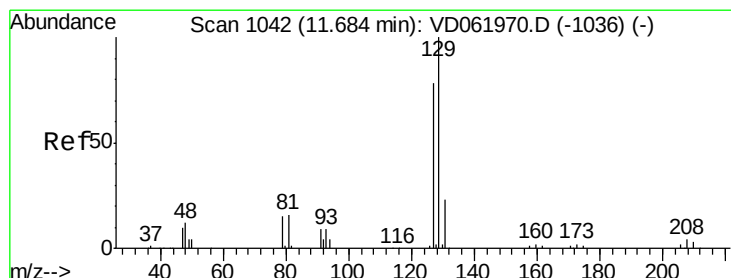
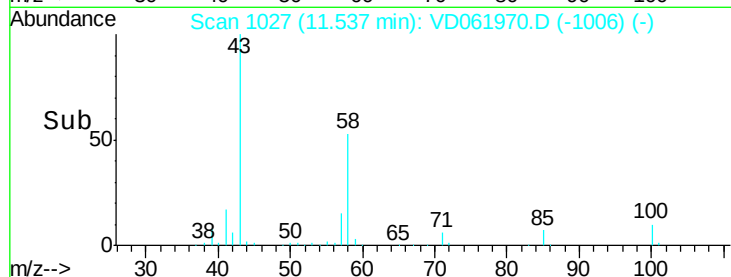
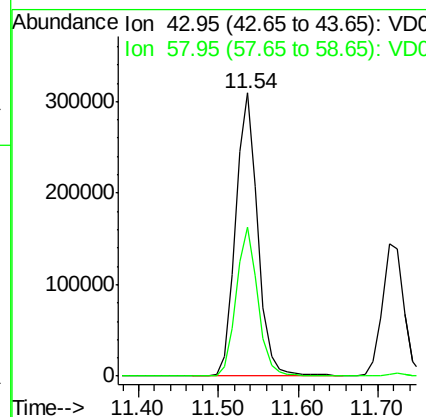
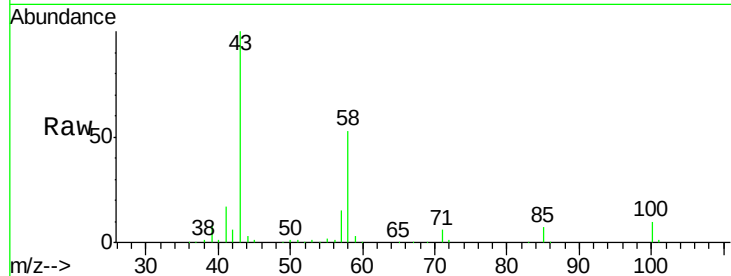




#59
2-Hexanone
Concen: 221.840 ug/l
RT: 11.54 min Scan# 1027
Delta R.T. 0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

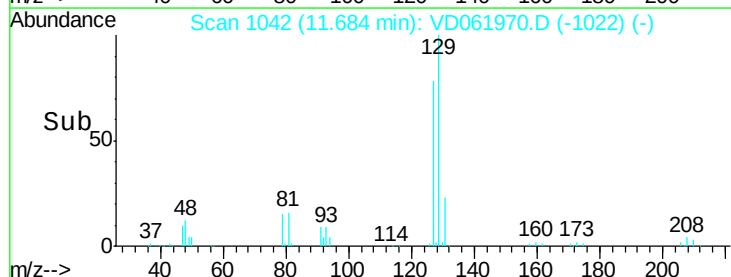
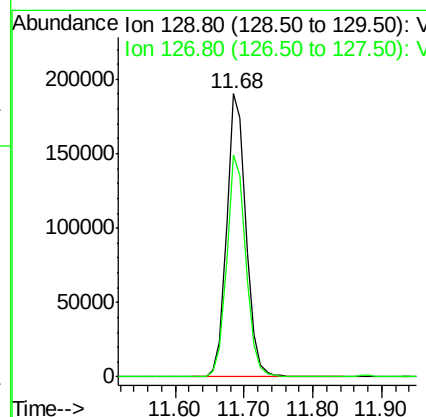
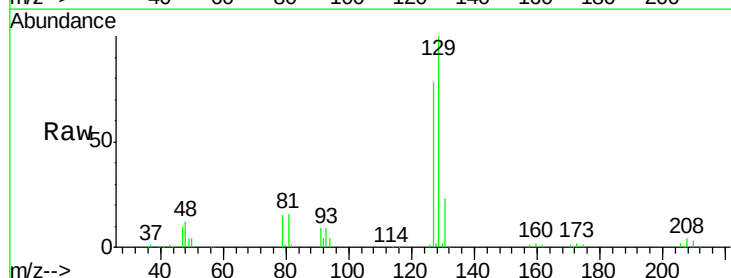
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

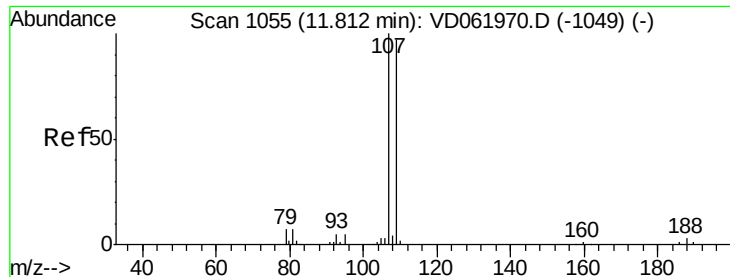
Tot Ion: 43 Resp: 601354
Ion Ratio Lower Upper
43 100
58 52.8 25.4 76.4



#60
Dibromochloromethane
Concen: 43.973 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 129 Resp: 369339
Ion Ratio Lower Upper
129 100
127 78.2 38.0 113.9

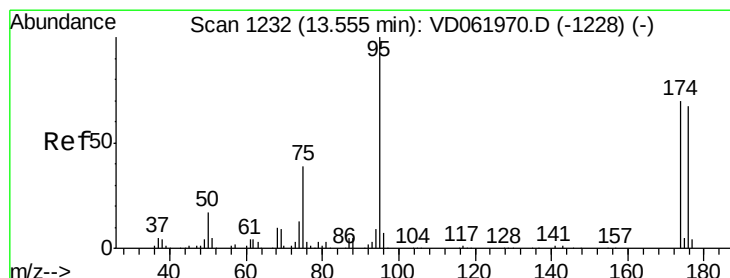
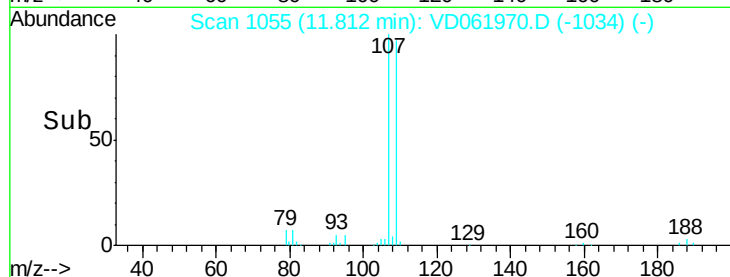
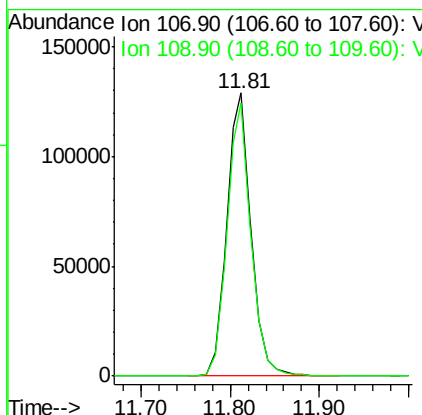
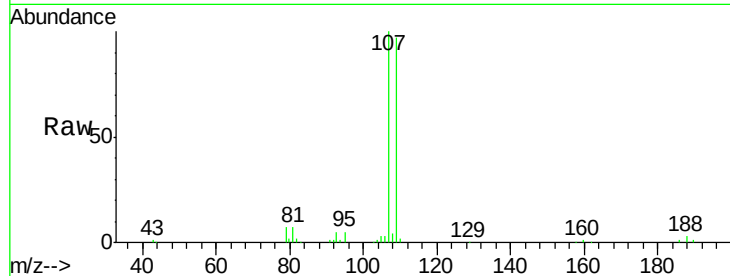




#61
 1,2-Dibromoethane
 Concen: 39.398 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

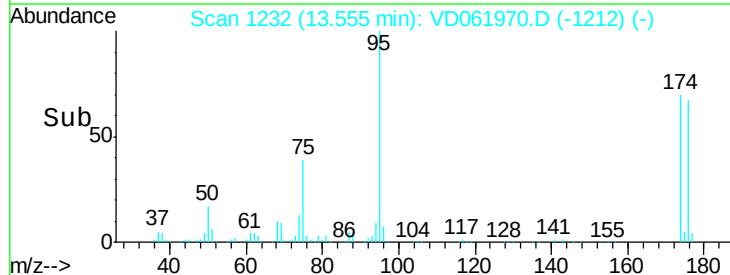
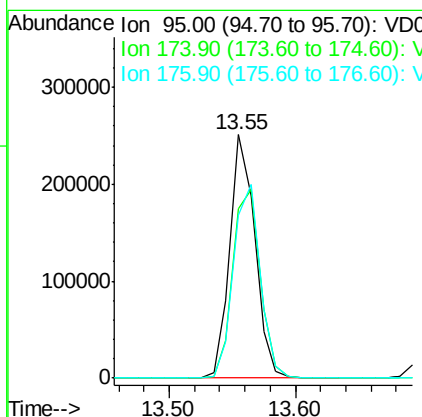
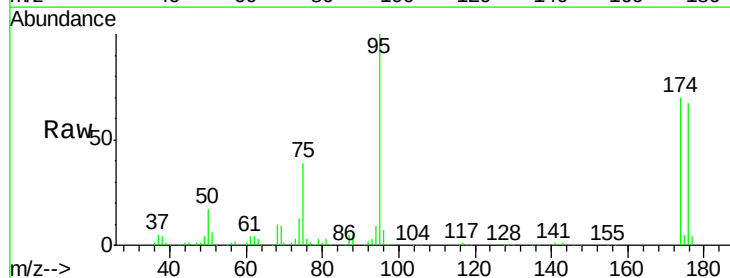
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

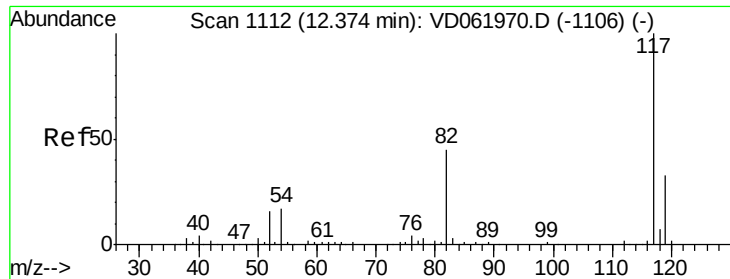
Tot Ion:107 Resp: 246310
 Ion Ratio Lower Upper
 107 100
 109 96.7 78.3 117.5



#62
 4-Bromofluorobenzene
 Concen: 39.398 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion: 95 Resp: 344904
 Ion Ratio Lower Upper
 95 100
 174 69.7 0.0 181.8
 176 66.8 0.0 174.4

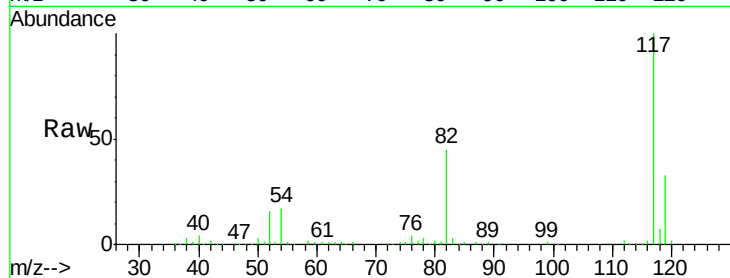




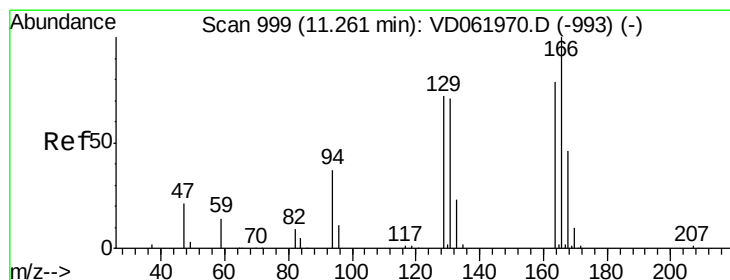
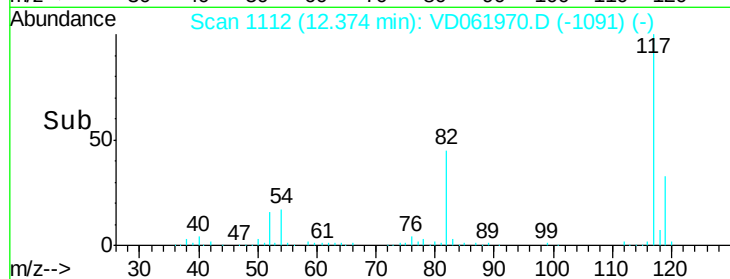
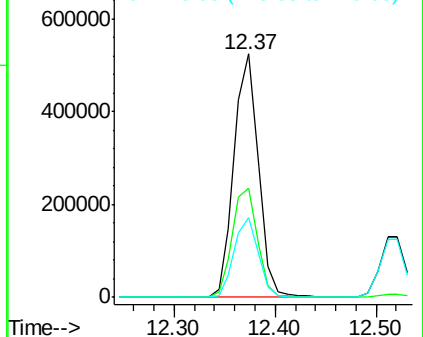
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:117 Resp: 880570
Ion Ratio Lower Upper
117 100
82 44.9 36.2 54.2
119 32.7 26.2 39.4

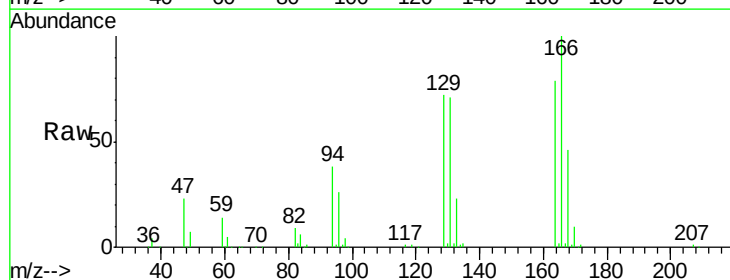


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

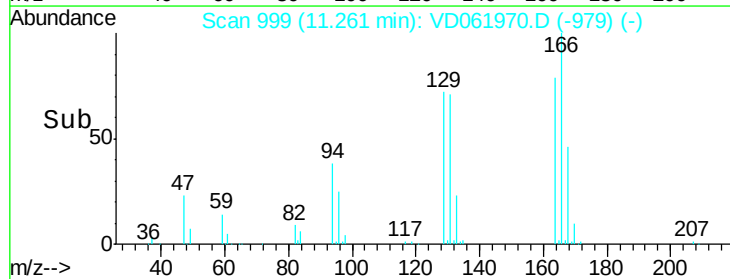
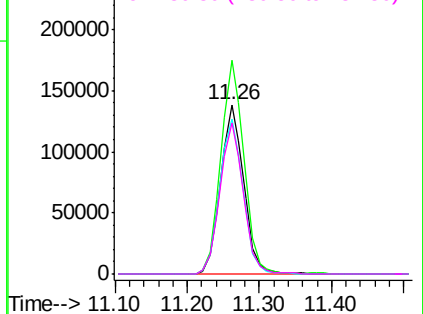


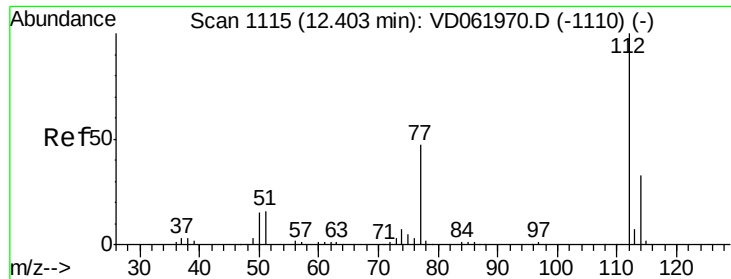
#64
Tetrachloroethene
Concen: 47.707 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion:164 Resp: 305900
Ion Ratio Lower Upper
164 100
166 126.0 101.5 152.3
129 91.1 74.6 112.0
131 89.1 72.6 108.8



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

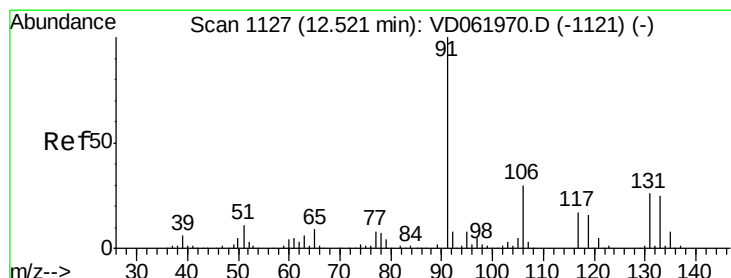
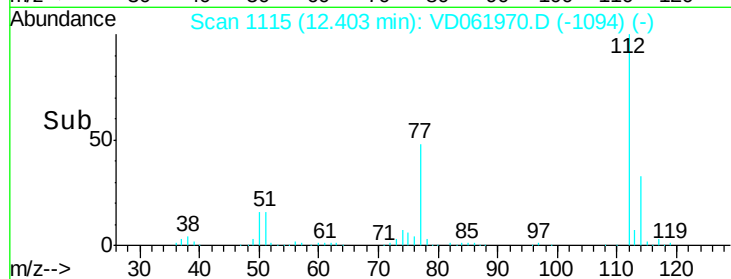
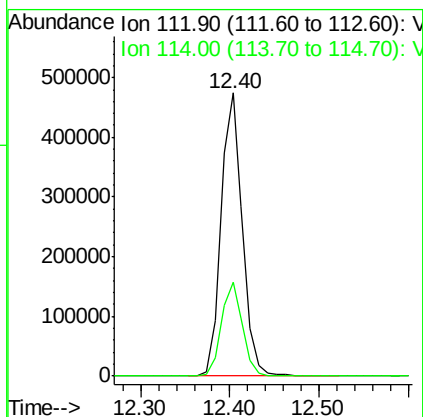
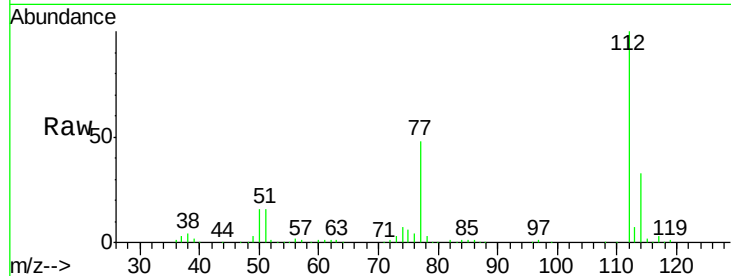




#65
Chlorobenzene
Concen: 47.066 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

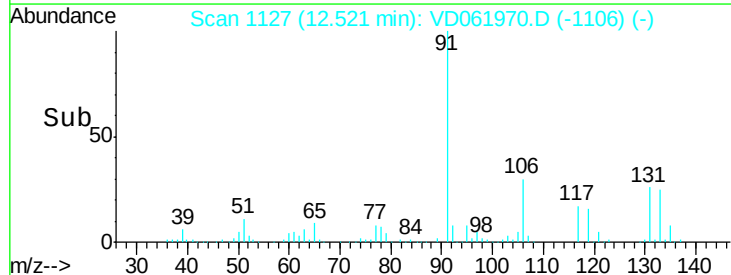
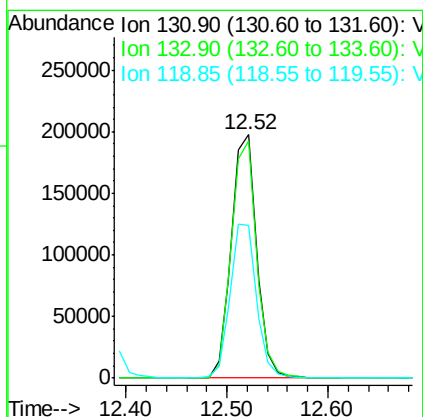
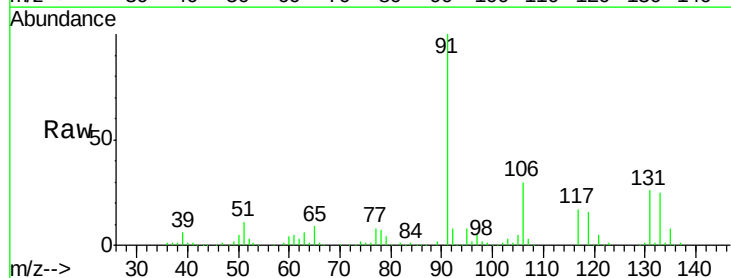
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

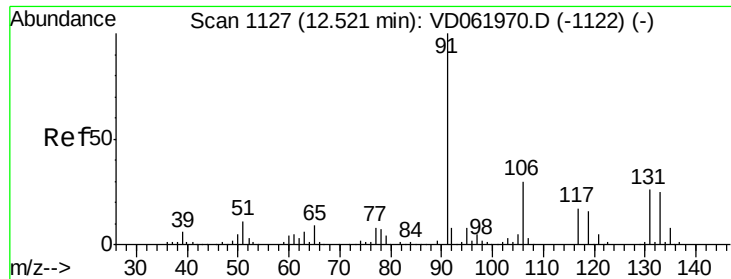
Tot Ion:112 Resp: 795414
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.476 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion:131 Resp: 345155
Ion Ratio Lower Upper
131 100
133 97.5 48.6 145.8
119 62.9 34.7 104.1

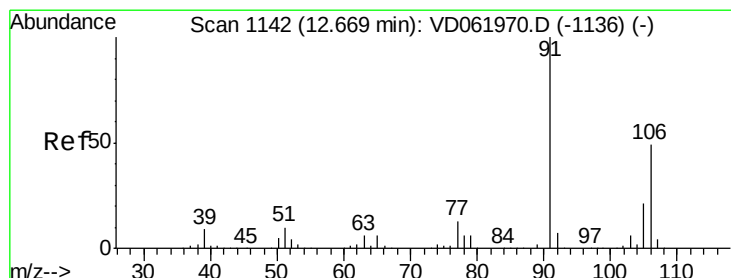
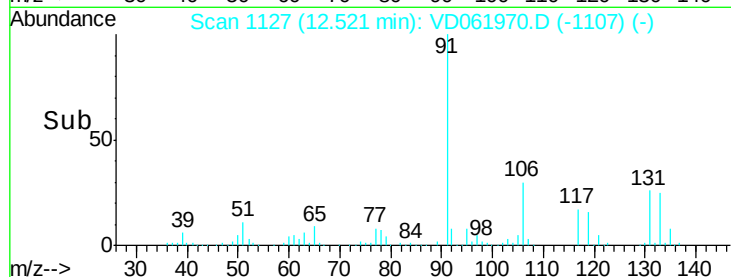
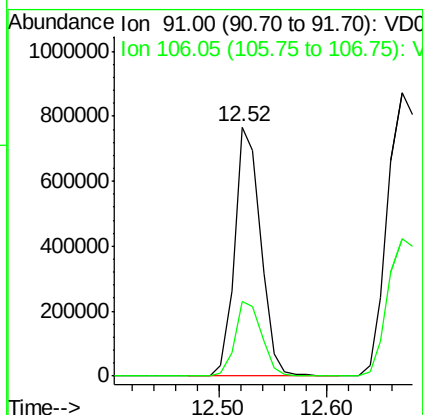
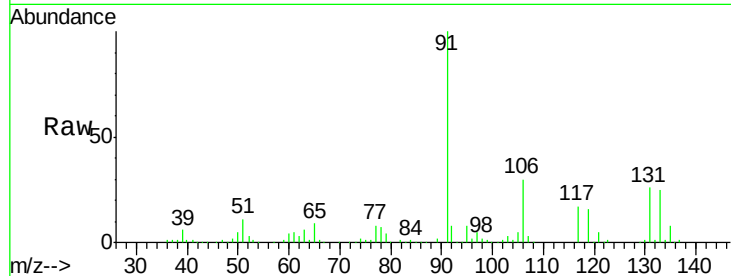




#67
Ethyl Benzene
Concen: 50.104 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

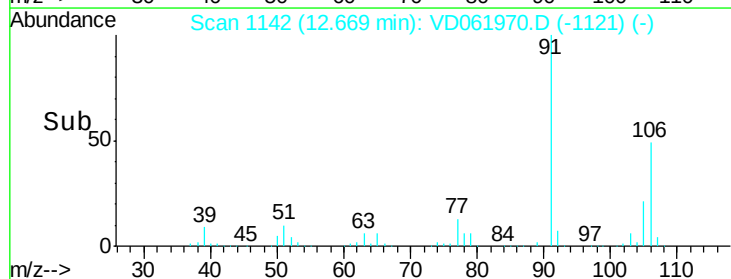
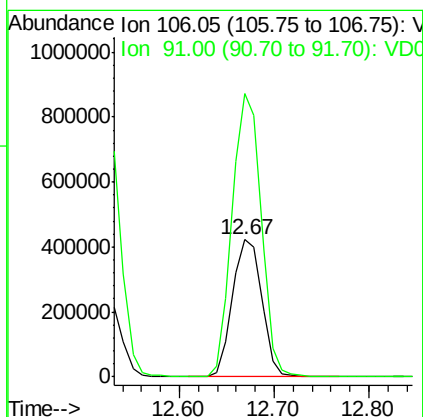
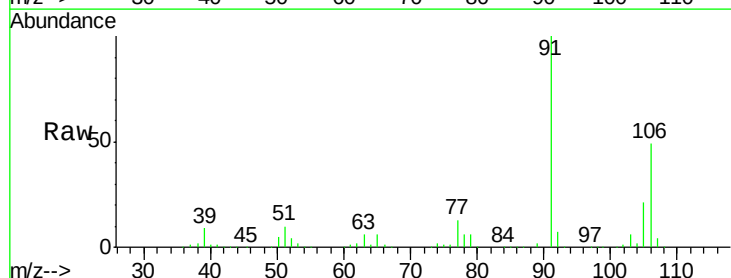
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

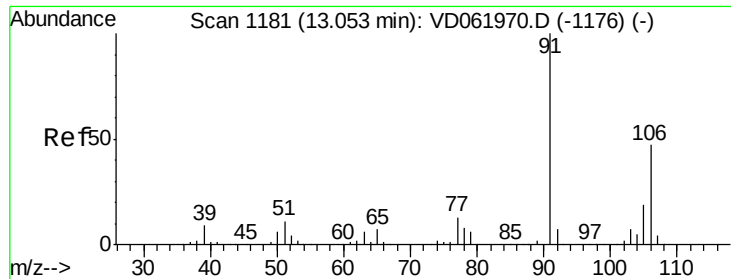
Tot Ion: 91 Resp: 1285671
Ion Ratio Lower Upper
91 100
106 30.0 24.7 37.1



#68
m/p-Xylenes
Concen: 92.592 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion:106 Resp: 908789
Ion Ratio Lower Upper
106 100
91 206.1 164.0 246.0

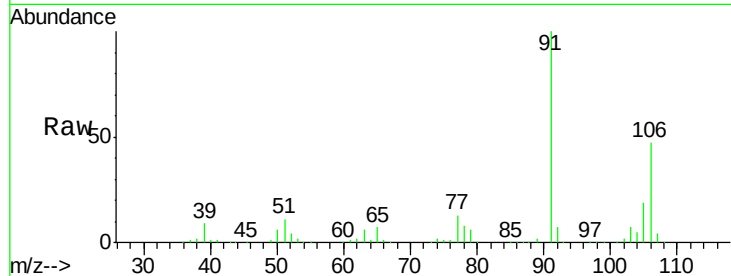




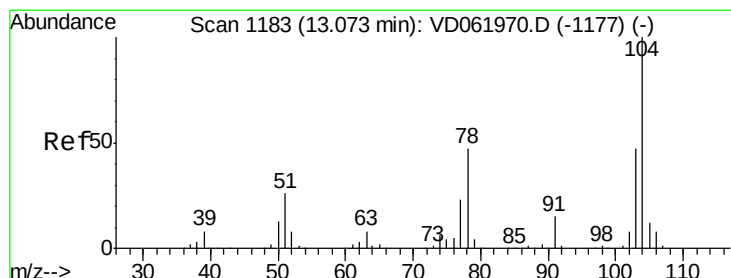
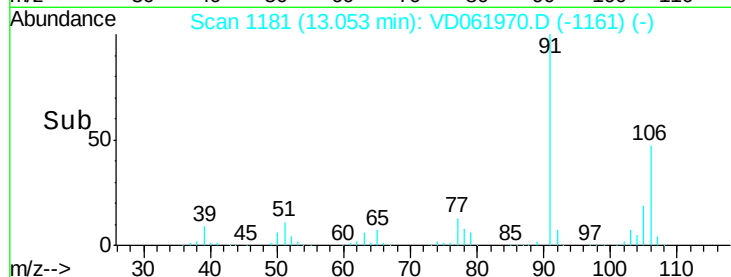
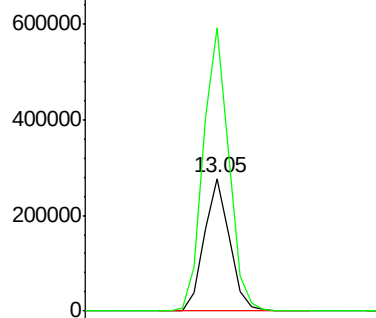
#69
o-Xylene
Concen: 44.714 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion:106 Resp: 417673
Ion Ratio Lower Upper
106 100
91 213.6 106.7 319.9

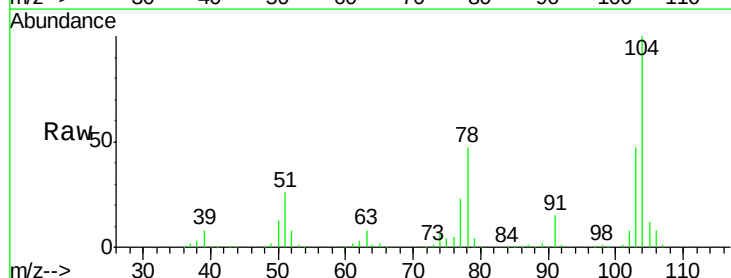


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

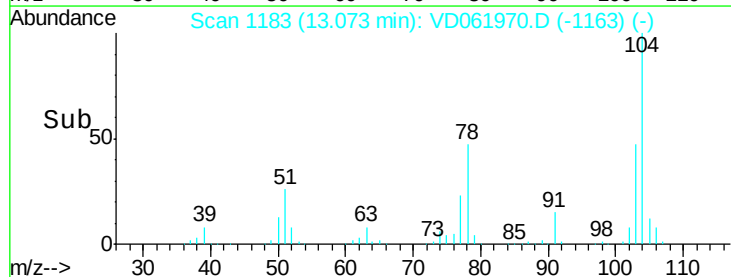
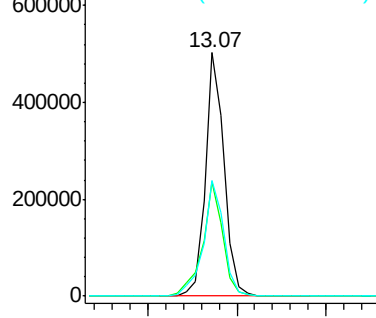


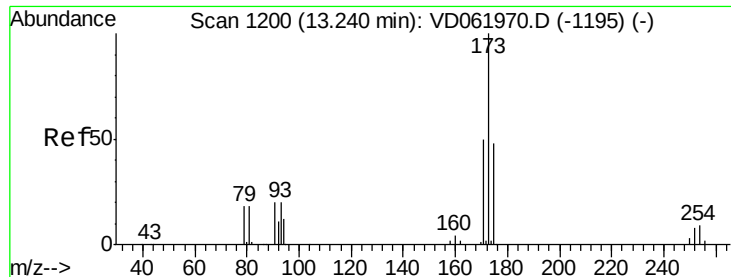
#70
Styrene
Concen: 45.662 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion:104 Resp: 738083
Ion Ratio Lower Upper
104 100
78 46.8 35.4 53.2
103 47.4 37.5 56.3



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: 45.211 ug/l

RT: 13.24 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

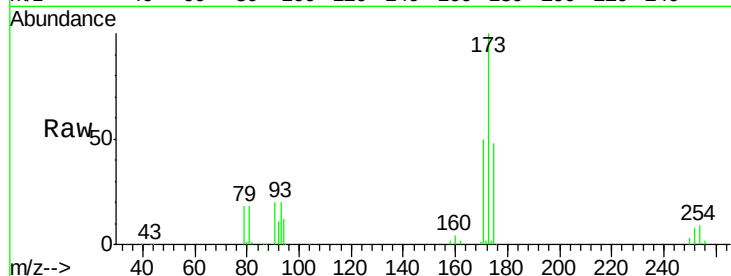
Tot Ion:173 Resp: 194688

Ion Ratio Lower Upper

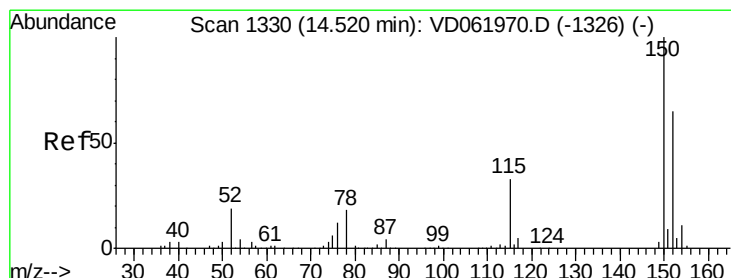
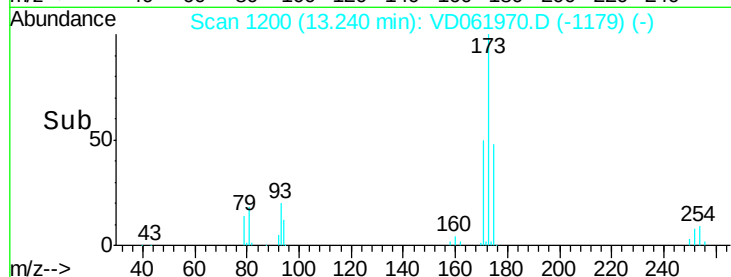
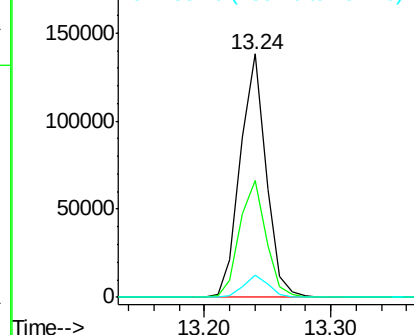
173 100

175 47.8 24.4 73.4

254 8.9 5.4 8.2#



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: 14.52 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

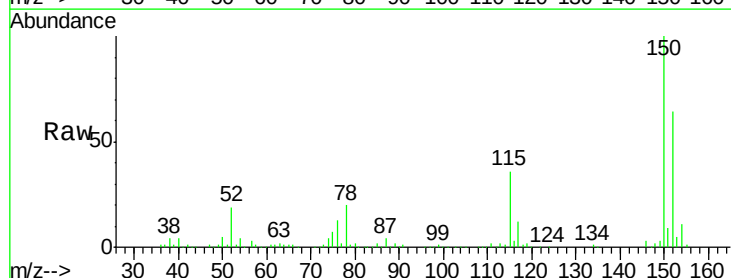
Tgt Ion:152 Resp: 398873

Ion Ratio Lower Upper

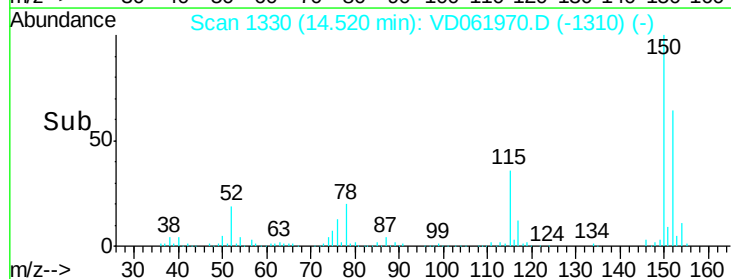
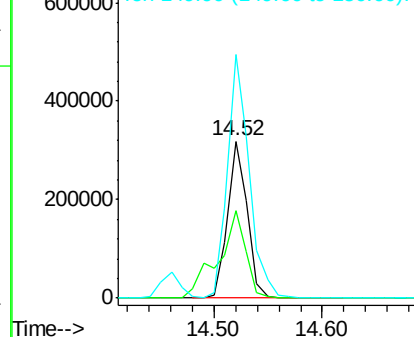
152 100

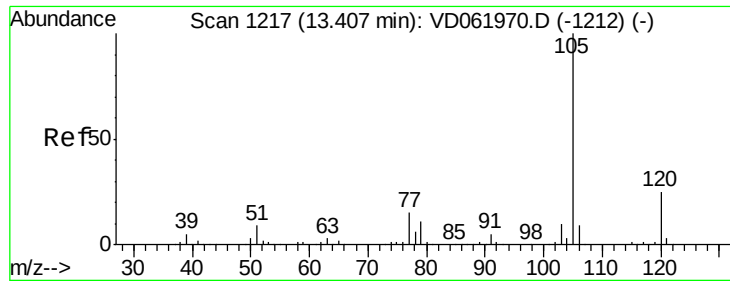
115 55.9 30.9 92.7

150 155.4 0.0 314.8



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: 49.697 ug/l

RT: 13.41 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

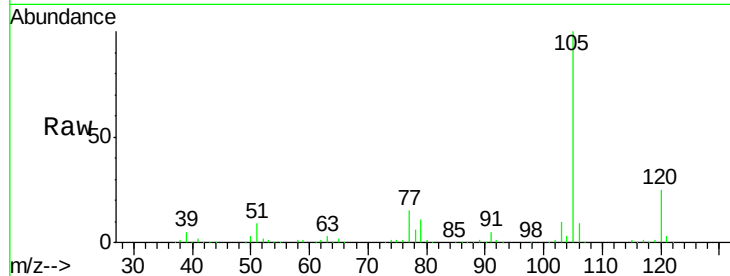
VSTDICCC050

Tot Ion:105 Resp: 1264054

Ion Ratio Lower Upper

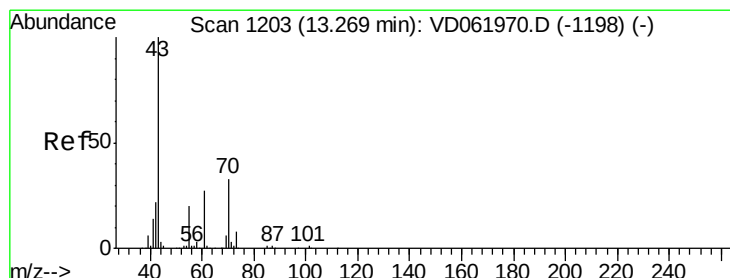
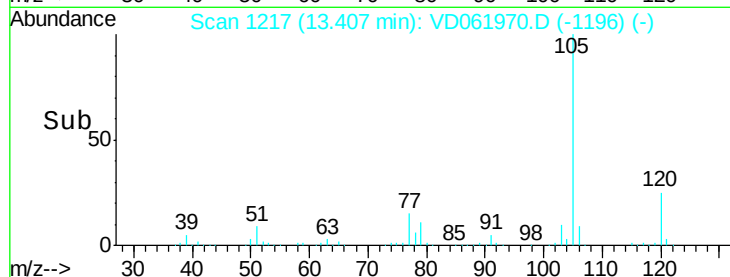
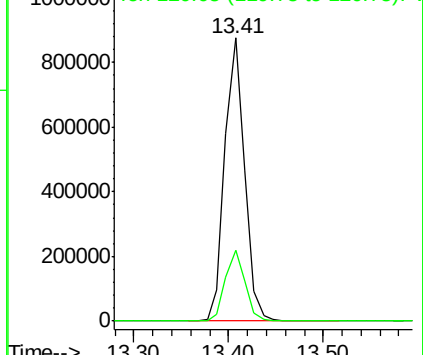
105 100

120 25.3 12.0 36.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 47.627 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Tgt Ion: 43 Resp: 329496

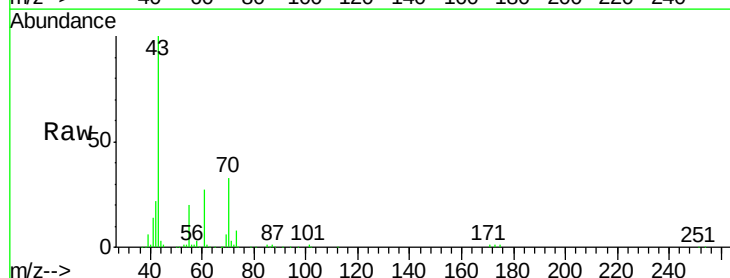
Ion Ratio Lower Upper

43 100

70 32.9 24.2 36.4

55 20.4 16.0 24.0

61 27.1 21.6 32.4

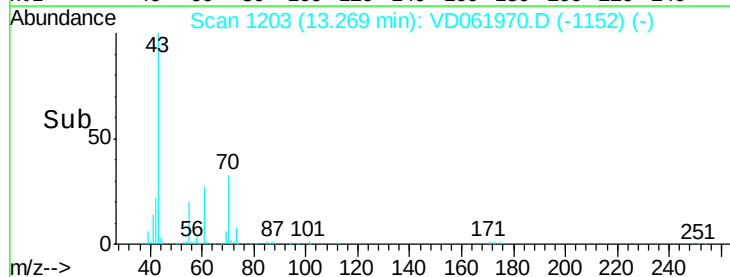
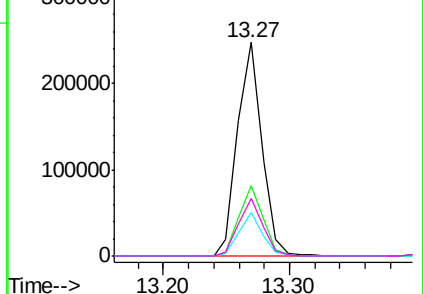


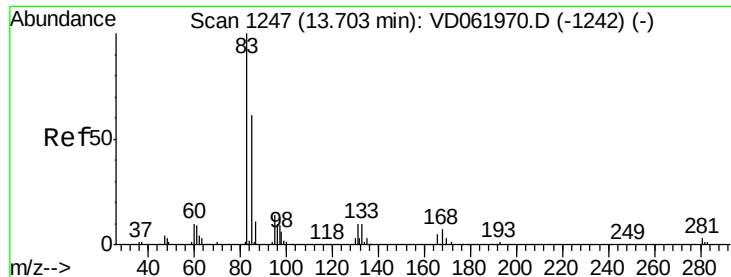
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.639 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

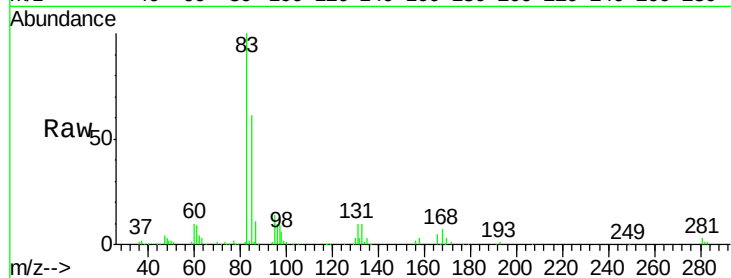
Tot Ion: 83 Resp: 255708

Ion Ratio Lower Upper

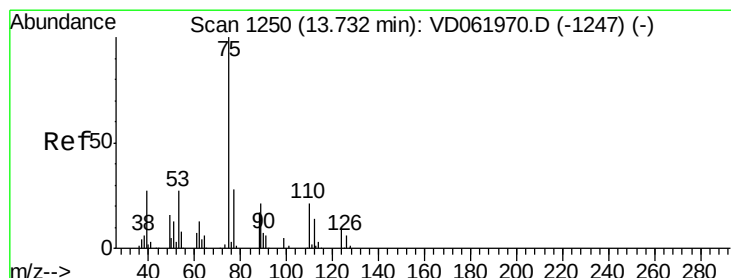
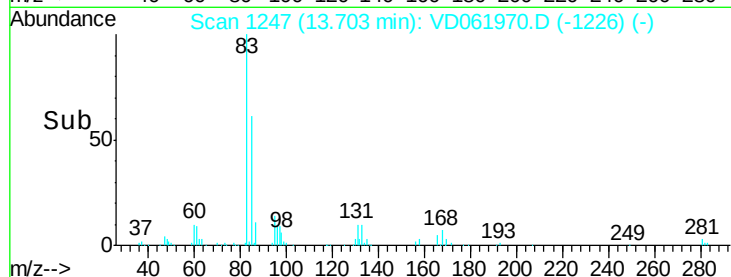
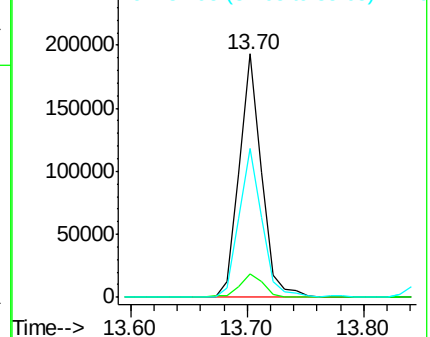
83 100

131 9.8 5.0 14.9

85 61.2 32.6 97.7



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: 47.771 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061970.D

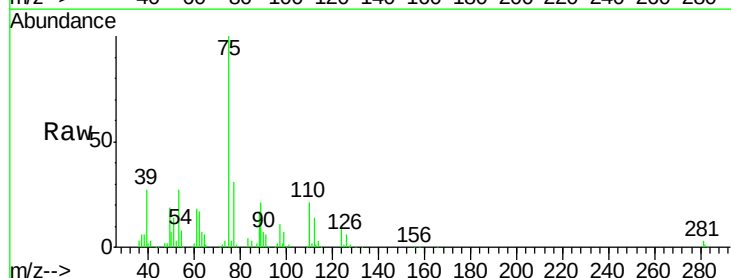
Acq: 23 Apr 2019 14:24

Tgt Ion: 75 Resp: 253022

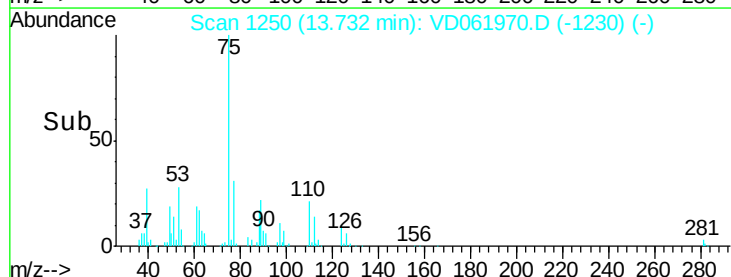
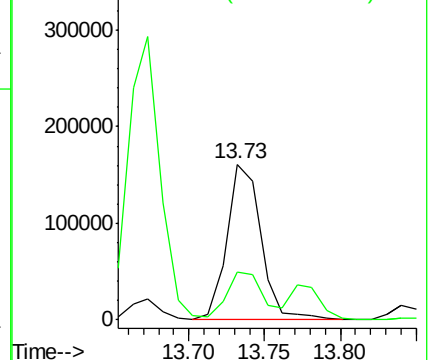
Ion Ratio Lower Upper

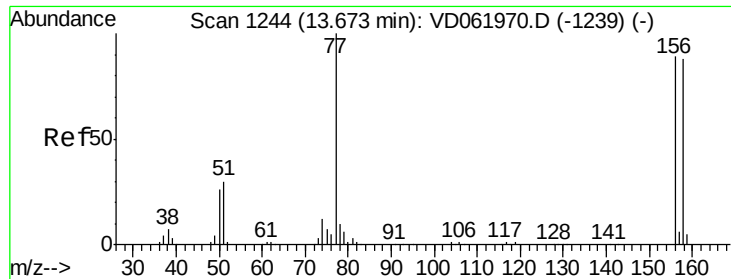
75 100

77 30.6 16.4 49.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.400 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

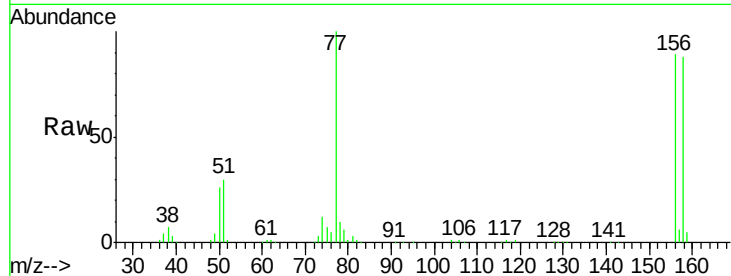
Tot Ion:156 Resp: 362462

Ion Ratio Lower Upper

156 100

77 112.4 53.1 159.4

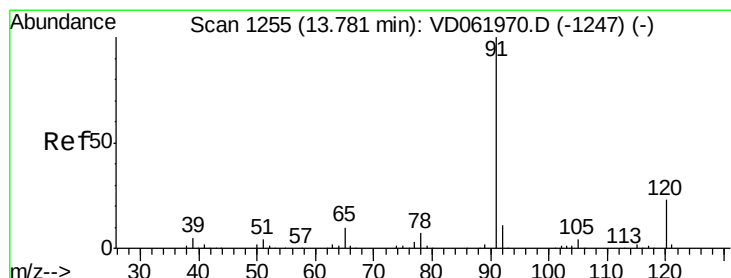
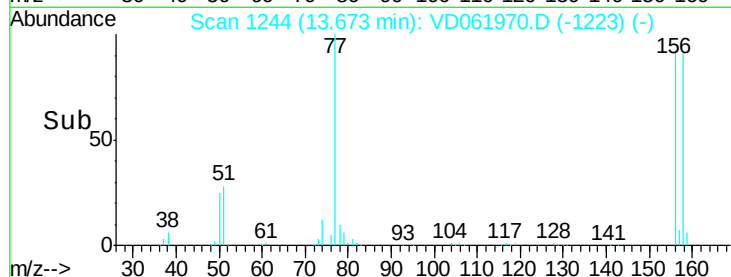
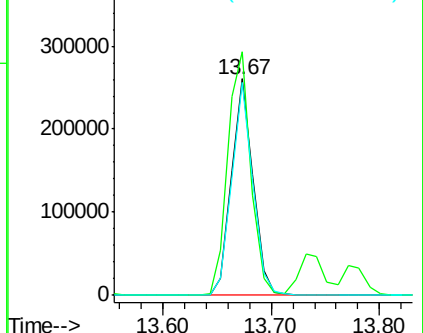
158 98.4 49.4 148.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.604 ug/l

RT: 13.78 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD061970.D

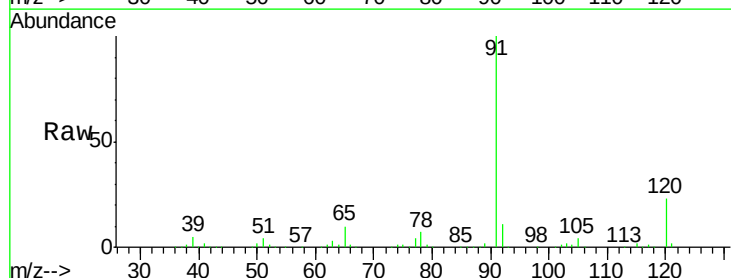
Acq: 23 Apr 2019 14:24

Tgt Ion: 91 Resp: 1407159

Ion Ratio Lower Upper

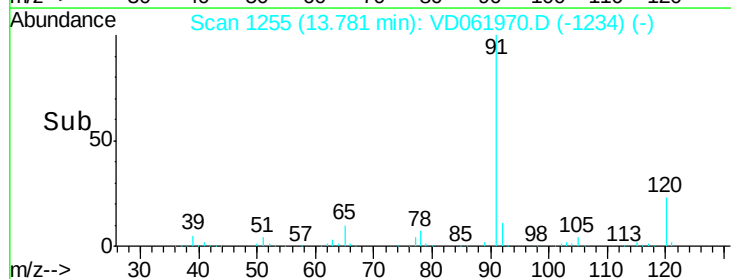
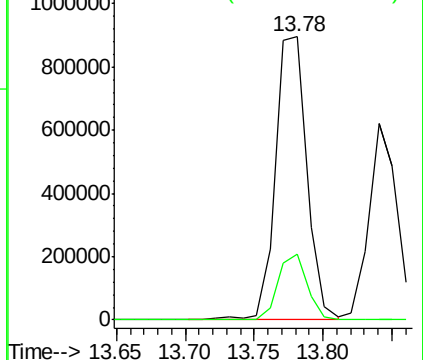
91 100

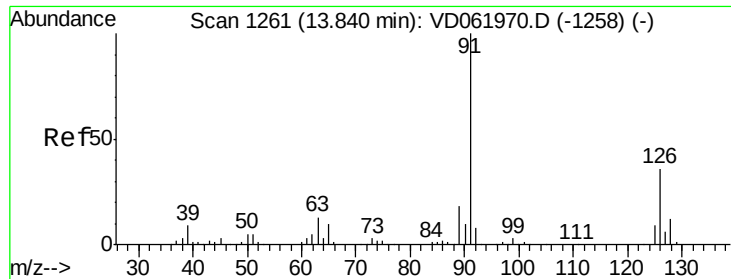
120 23.4 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

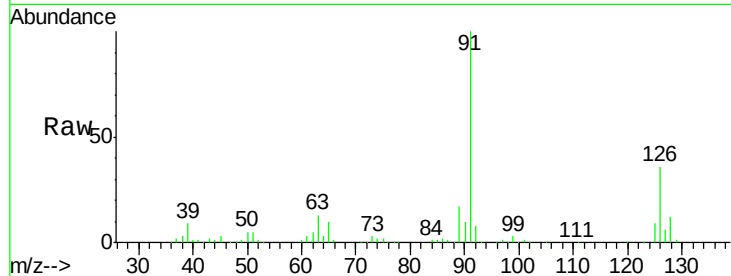




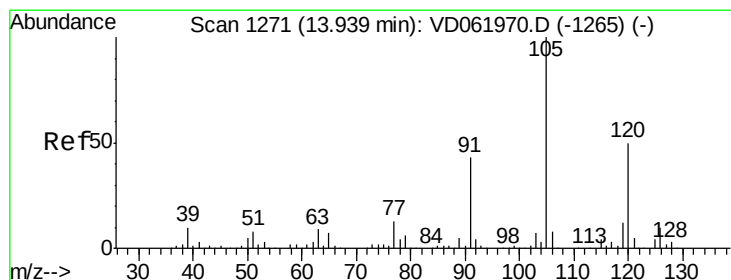
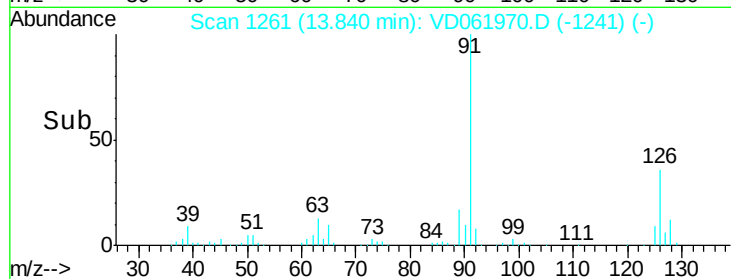
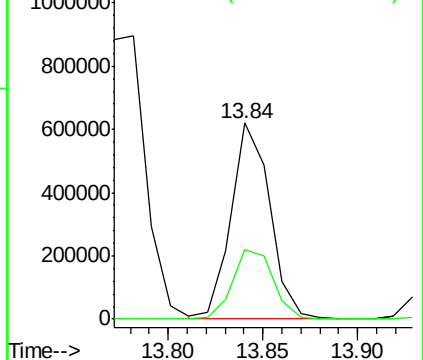
#79
2-Chlorotoluene
Concen: 48.427 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 873821
Ion Ratio Lower Upper
91 100
126 35.8 18.6 55.8

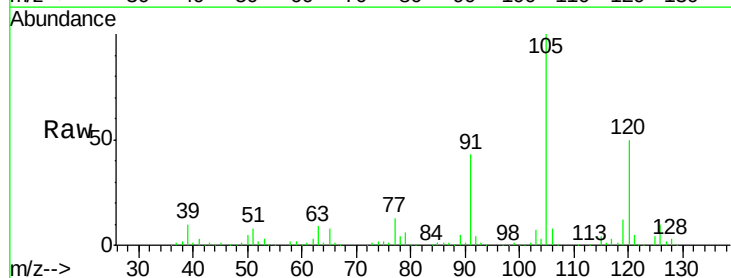


Abundance Ion 91.00 (90.70 to 91.70): VD061970.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD061970.D (-1258) (-)

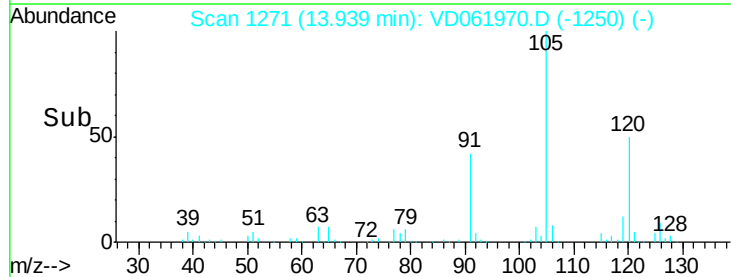
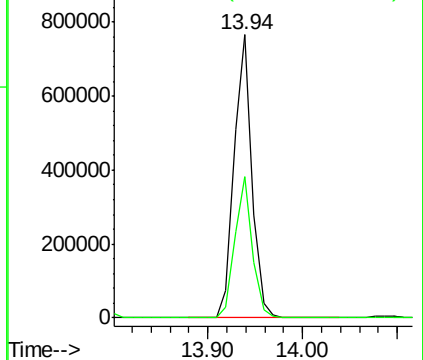


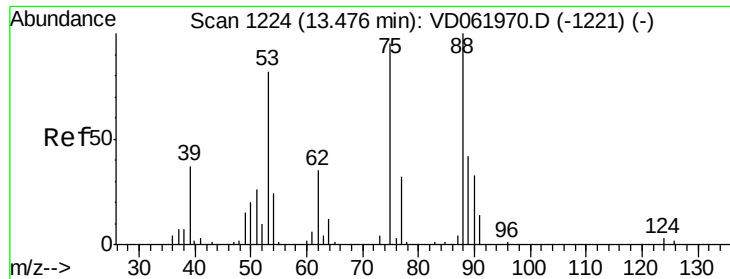
#80
1,3,5-Trimethylbenzene
Concen: 46.558 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 105 Resp: 991261
Ion Ratio Lower Upper
105 100
120 49.8 24.0 72.0



Abundance Ion 105.05 (104.75 to 105.75): VD061970.D (-1265) (-)
Ion 120.05 (119.75 to 120.75): VD061970.D (-1265) (-)

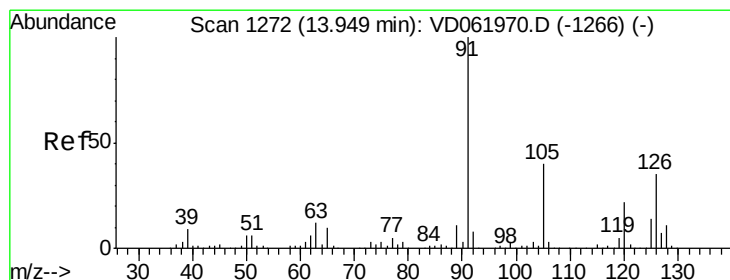
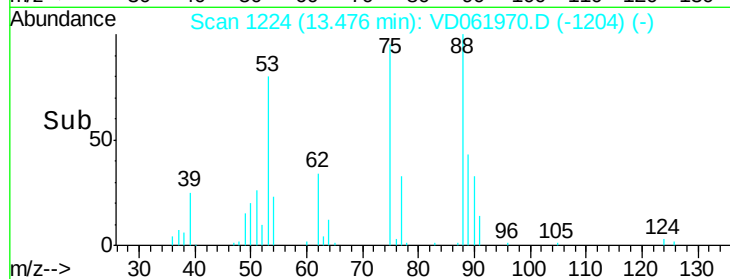
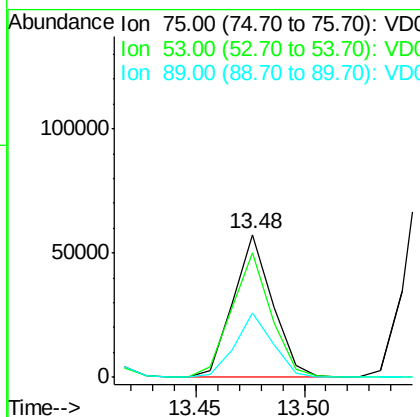
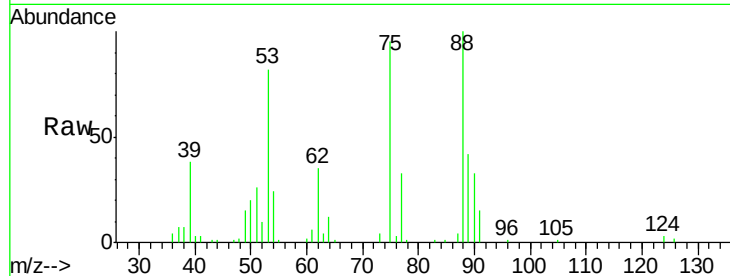




#81
trans-1,4-Dichloro-2-butene
Concen: 46.504 ug/l
RT: 13.48 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

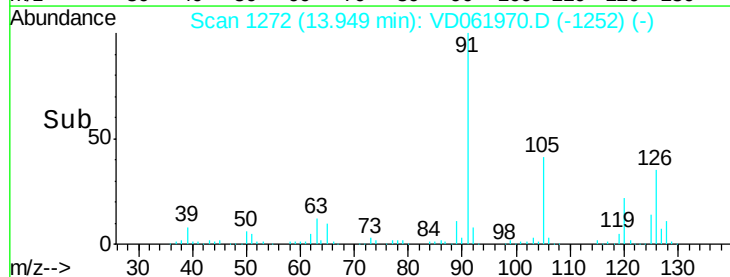
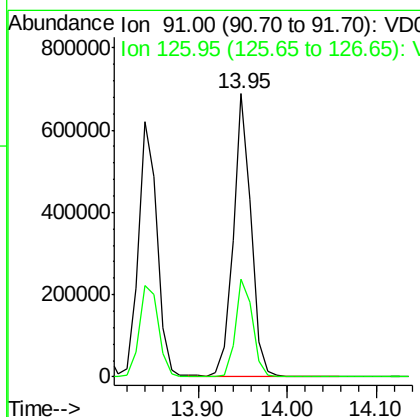
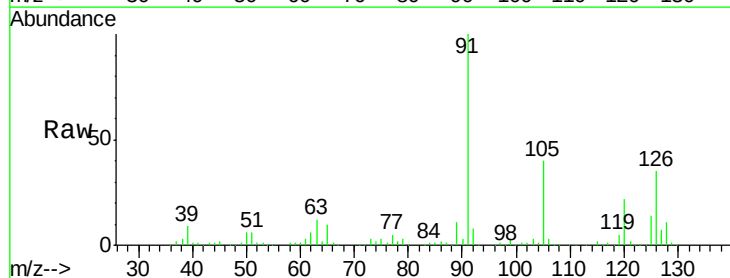
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

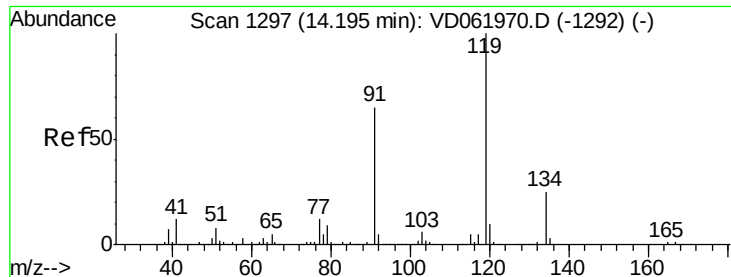
Tot Ion: 75 Resp: 72826
Ion Ratio Lower Upper
75 100
53 86.9 65.8 98.8
89 44.8 35.0 52.6



#82
4-Chlorotoluene
Concen: 47.557 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 91 Resp: 966897
Ion Ratio Lower Upper
91 100
126 34.6 19.1 57.5

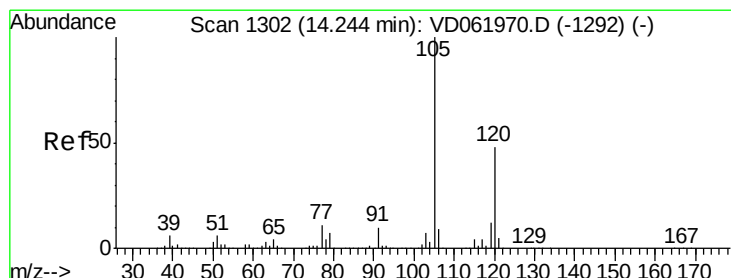
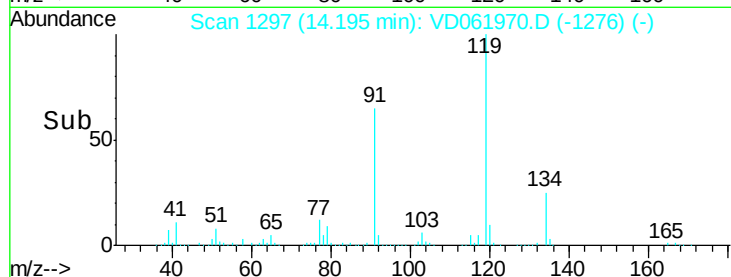
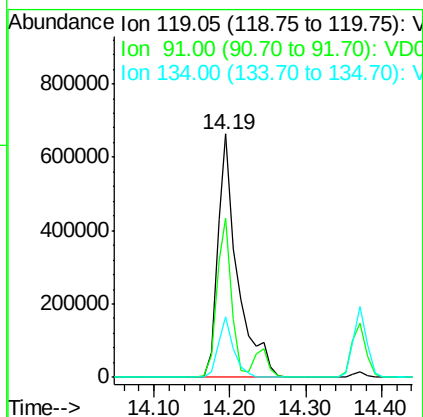
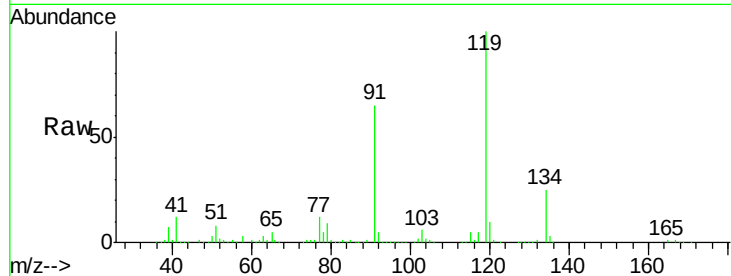




#83
 tert-Butylbenzene
 Concen: 50.381 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. 0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

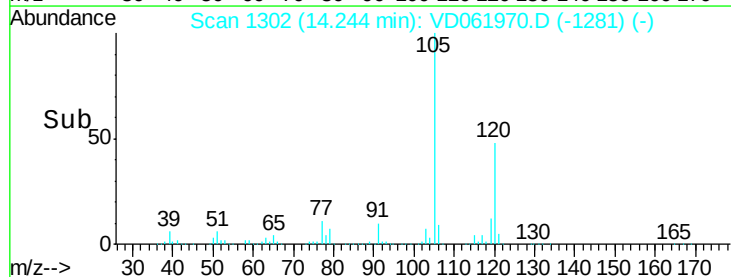
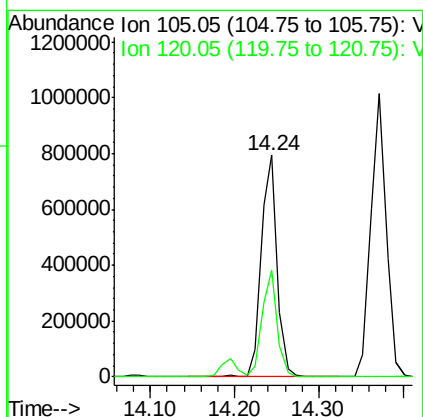
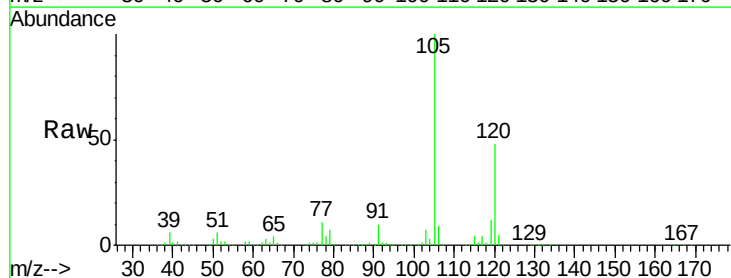
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

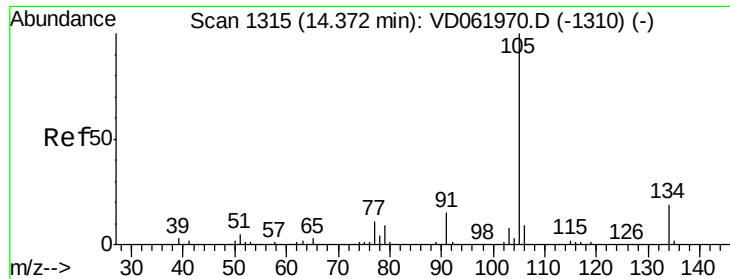
Tot Ion:119 Resp: 1217612
 Ion Ratio Lower Upper
 119 100
 91 65.2 34.2 102.6
 134 24.9 12.0 36.0



#84
 1,2,4-Trimethylbenzene
 Concen: 50.789 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. 0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion:105 Resp: 1060469
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.1 69.2

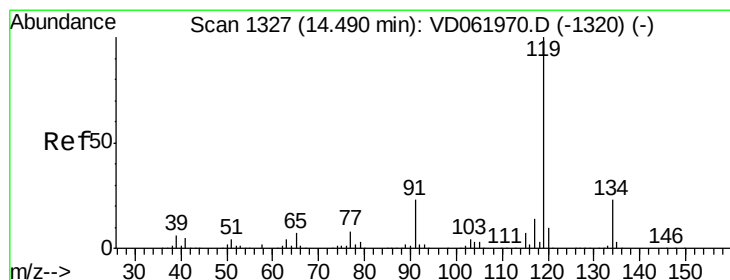
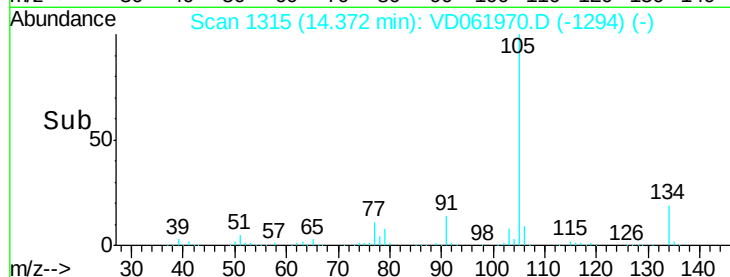
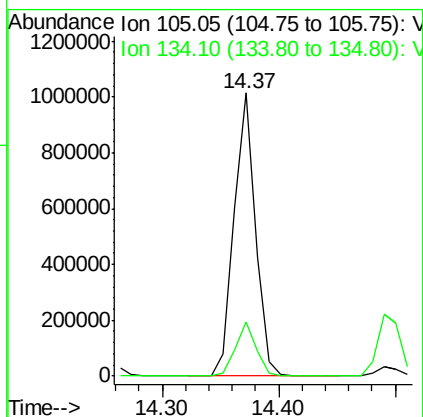
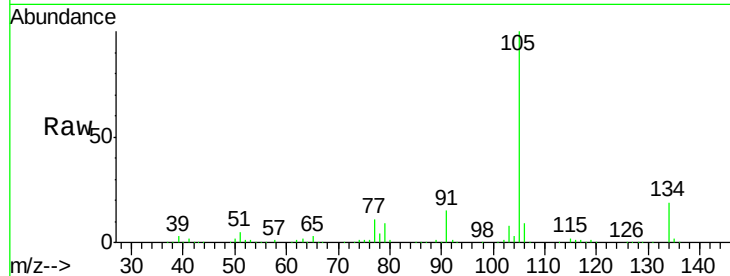




#85
 sec-Butylbenzene
 Concen: 49.511 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

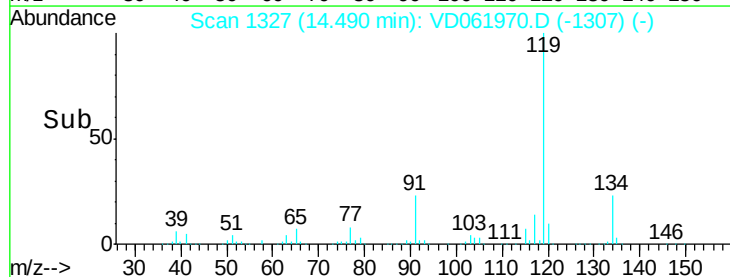
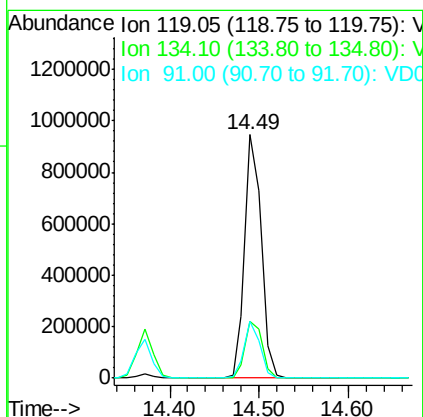
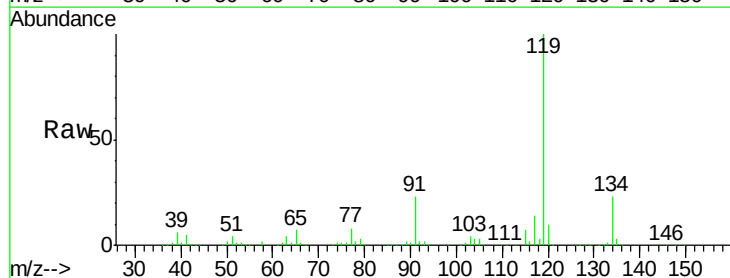
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

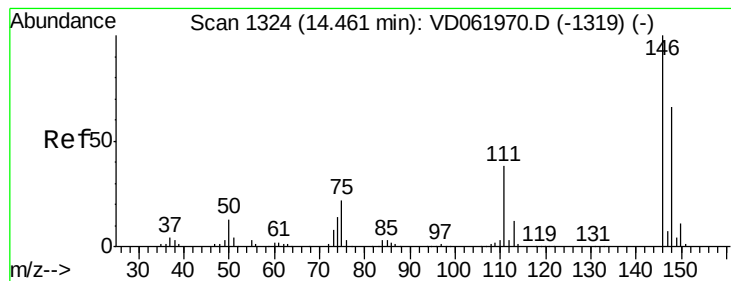
Tot Ion:105 Resp: 1287943
 Ion Ratio Lower Upper
 105 100
 134 19.0 8.9 26.7



#86
 p-Isopropyltoluene
 Concen: 51.503 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion:119 Resp: 1226623
 Ion Ratio Lower Upper
 119 100
 134 23.4 12.8 38.3
 91 23.5 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 47.306 ug/l

RT: 14.46 min Scan# 1324

Delta R.T. 0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

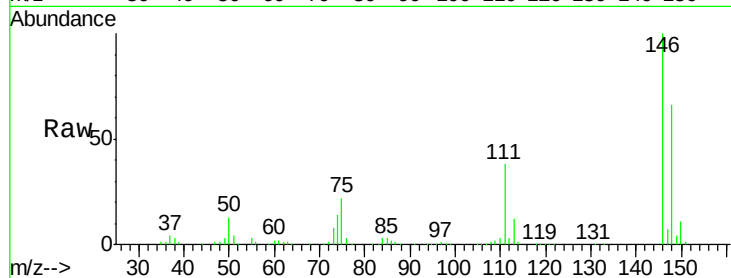
Tot Ion:146 Resp: 640647

Ion Ratio Lower Upper

146 100

111 37.7 20.0 60.0

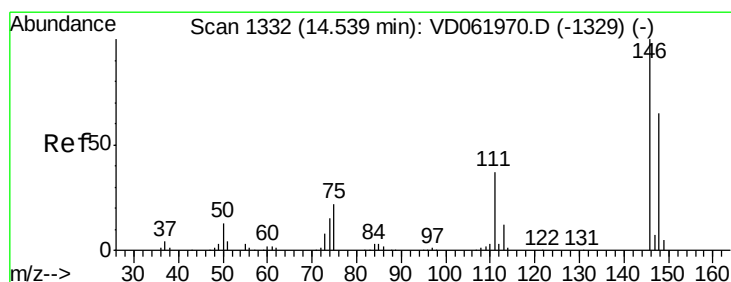
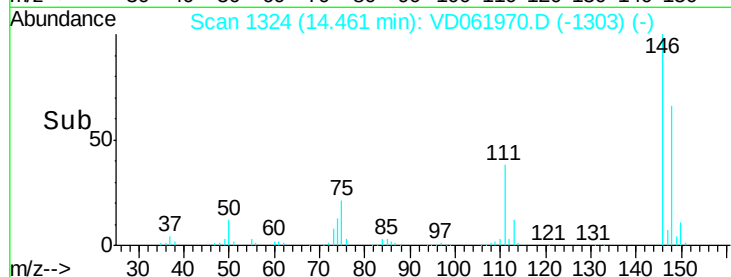
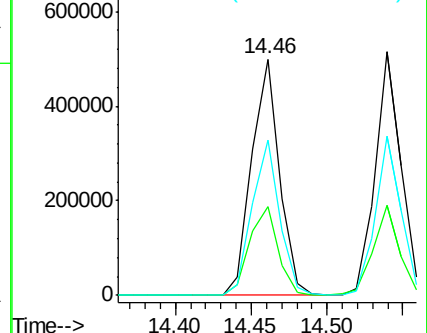
148 65.5 31.8 95.4



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: 48.440 ug/l

RT: 14.54 min Scan# 1332

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

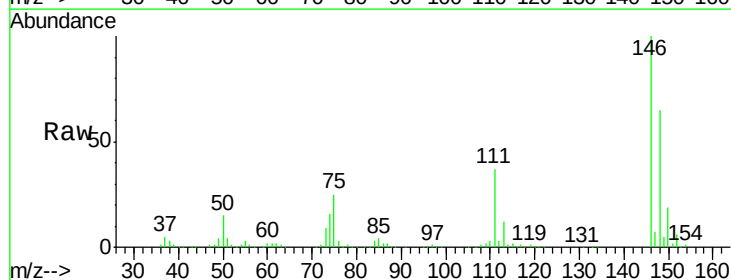
Tgt Ion:146 Resp: 618513

Ion Ratio Lower Upper

146 100

111 37.2 20.2 60.5

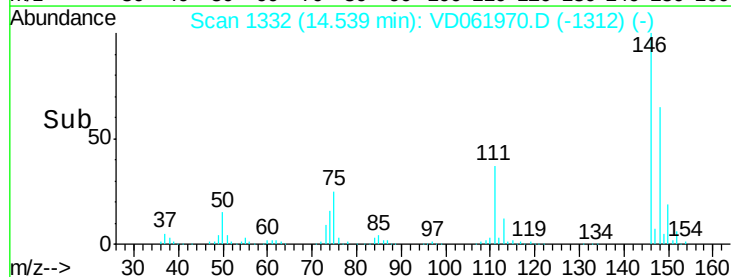
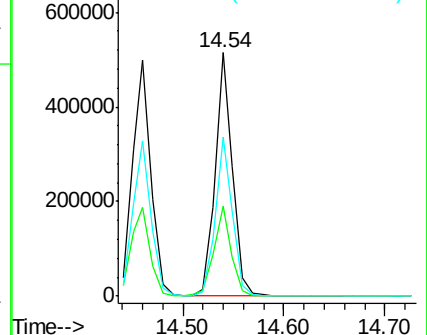
148 65.4 32.0 96.2

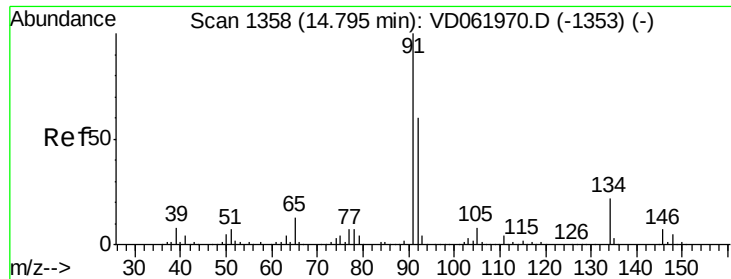


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

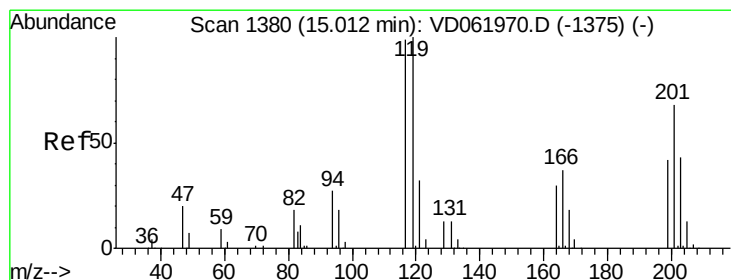
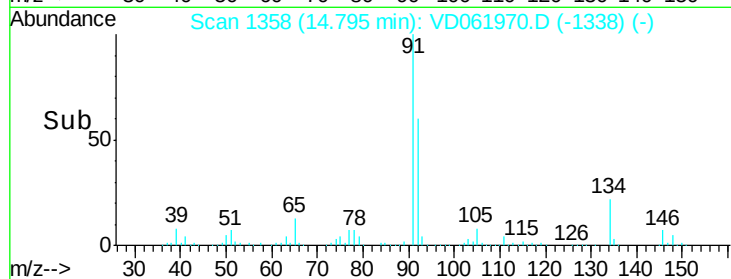
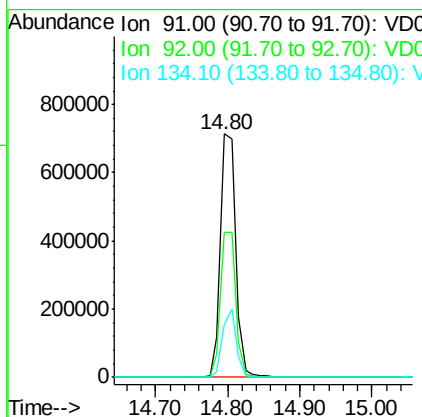
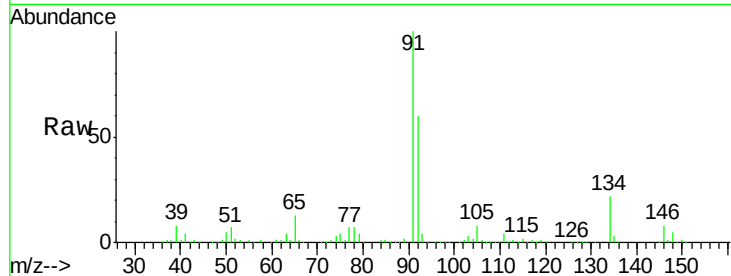




#89
n-Butylbenzene
Concen: 47.497 ug/l
RT: 14.80 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

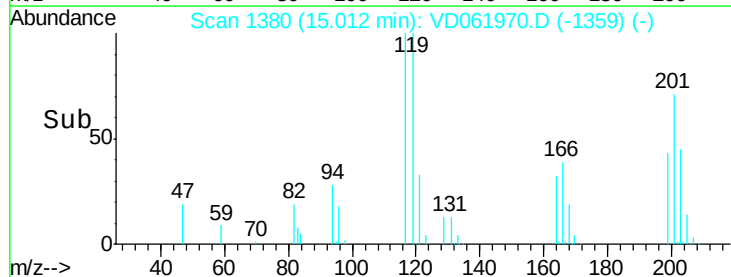
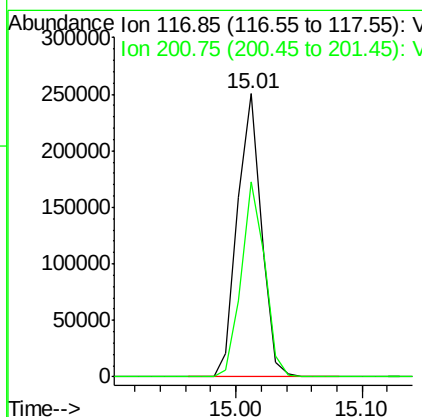
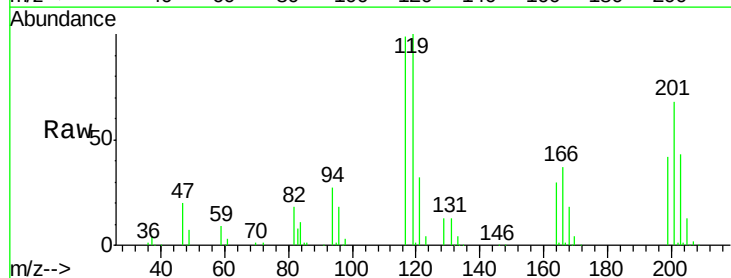
Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

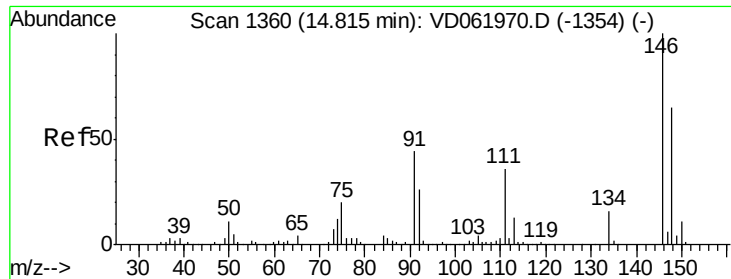
Tot Ion: 91 Resp: 1029348
Ion Ratio Lower Upper
91 100
92 59.7 30.3 91.0
134 21.9 14.5 43.6



#90
Hexachloroethane
Concen: 49.151 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061970.D
Acq: 23 Apr 2019 14:24

Tgt Ion: 117 Resp: 326932
Ion Ratio Lower Upper
117 100
201 68.8 30.2 90.6

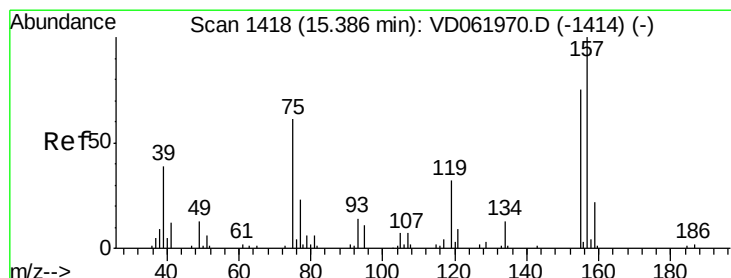
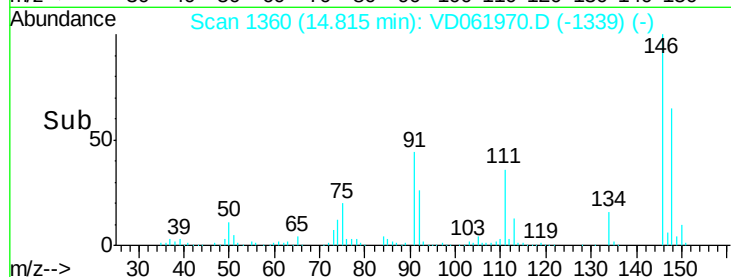
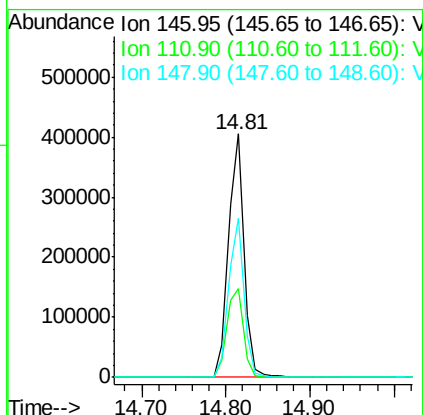
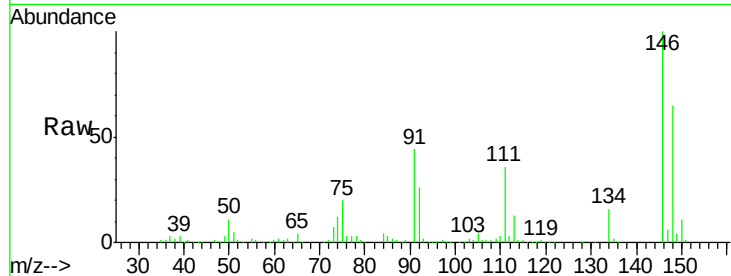




#91
 1,2-Dichlorobenzene
 Concen: 44.566 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

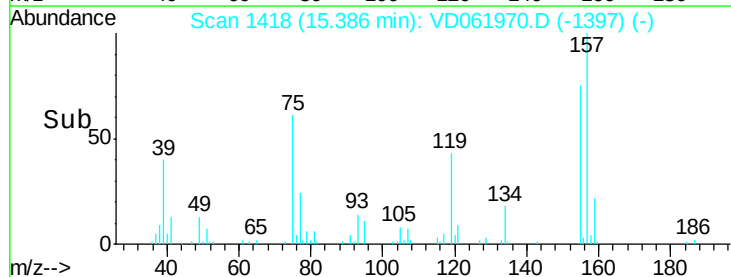
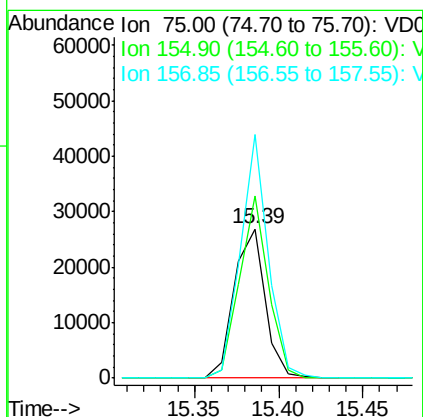
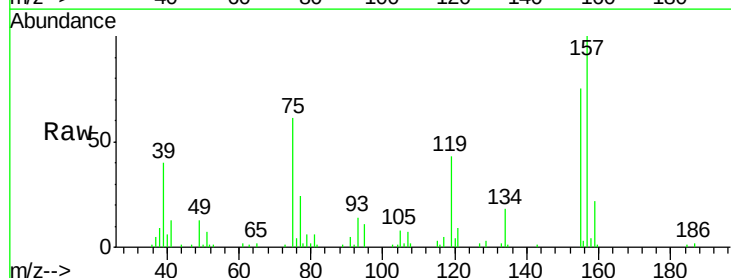
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

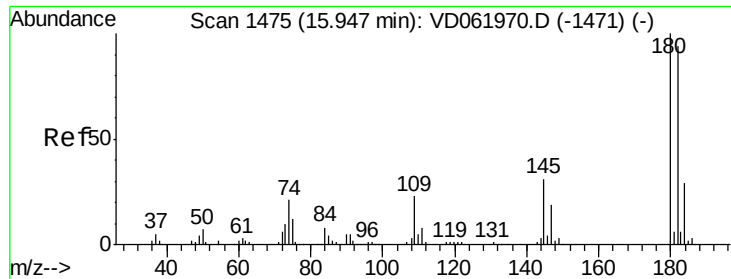
Tot Ion:146 Resp: 517481
 Ion Ratio Lower Upper
 146 100
 111 36.4 20.0 59.9
 148 65.1 32.3 96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.178 ug/l
 RT: 15.39 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion: 75 Resp: 34472
 Ion Ratio Lower Upper
 75 100
 155 121.9 55.3 165.8
 157 163.5 67.8 203.2

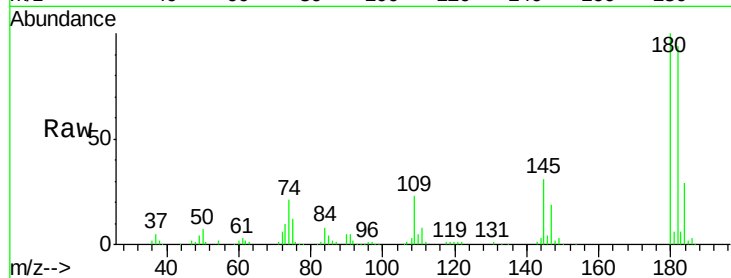




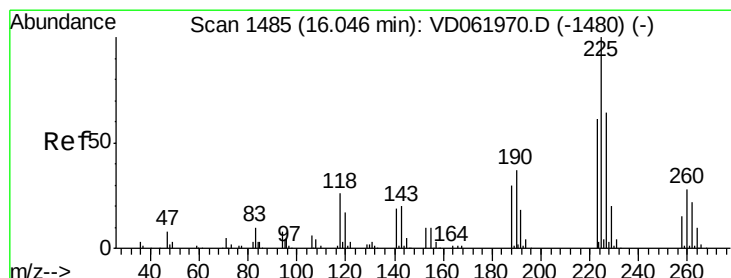
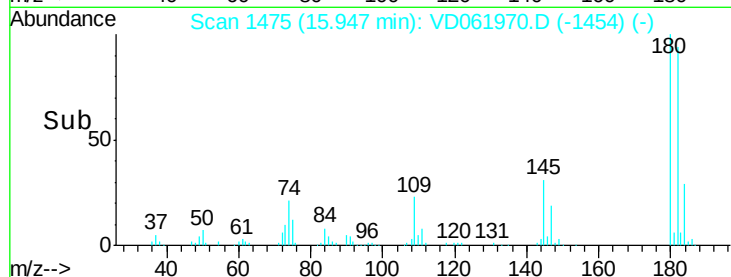
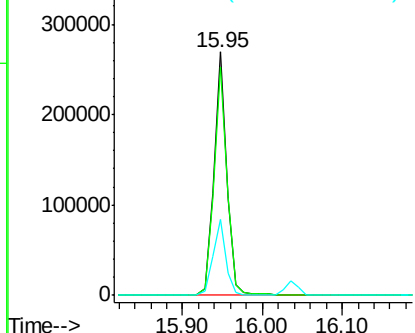
#93
 1,2,4-Trichlorobenzene
 Concen: 52.890 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion:180 Resp: 307946
 Ion Ratio Lower Upper
 180 100
 182 93.6 49.3 147.8
 145 31.1 16.2 48.6

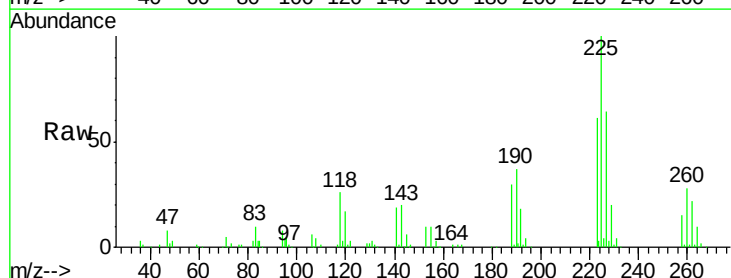


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

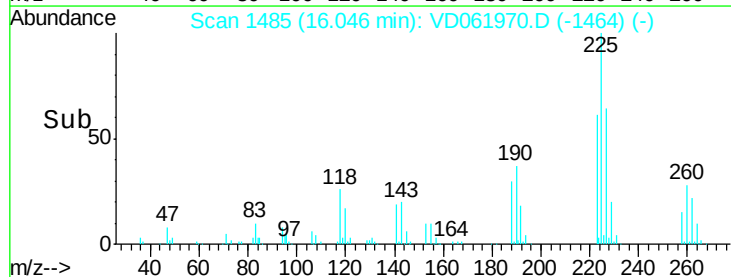
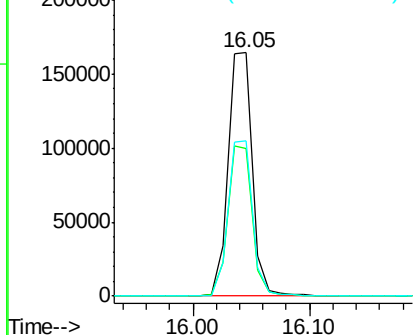


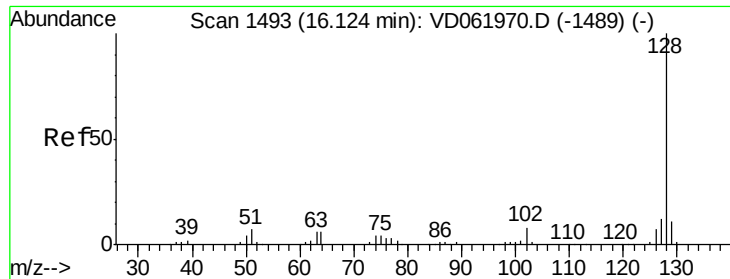
#94
 Hexachlorobutadiene
 Concen: 55.743 ug/l
 RT: 16.05 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061970.D
 Acq: 23 Apr 2019 14:24

Tgt Ion:225 Resp: 236270
 Ion Ratio Lower Upper
 225 100
 223 60.6 30.6 92.0
 227 63.7 32.0 96.2



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: 50.175 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. -0.00 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

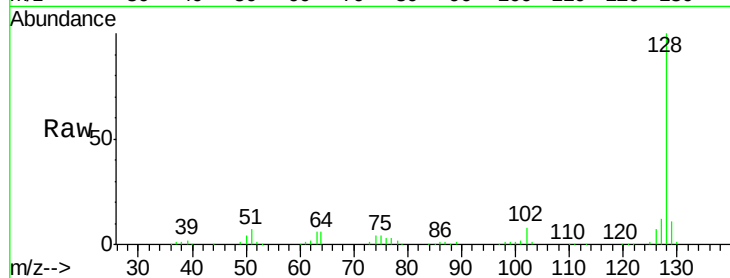
Tot Ion:128 Resp: 469076

Ion Ratio Lower Upper

128 100

127 11.9 9.8 14.8

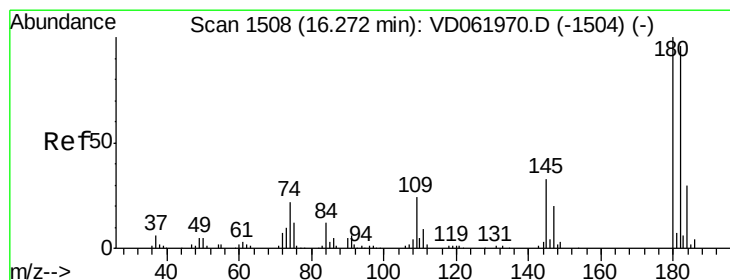
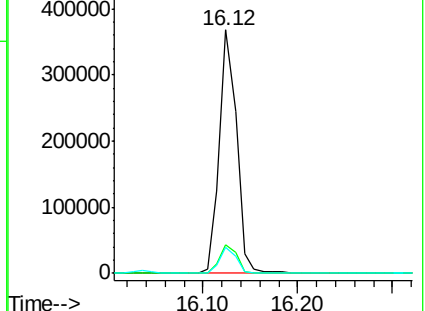
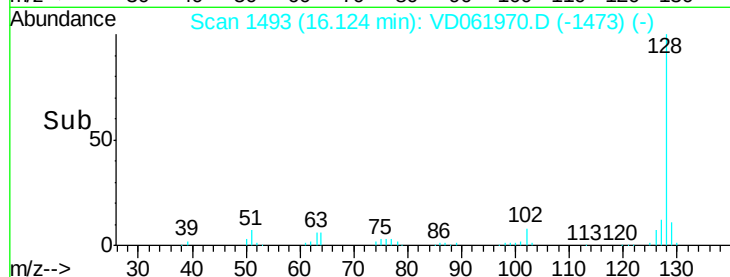
129 10.8 8.8 13.2



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: 56.191 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD061970.D

Acq: 23 Apr 2019 14:24

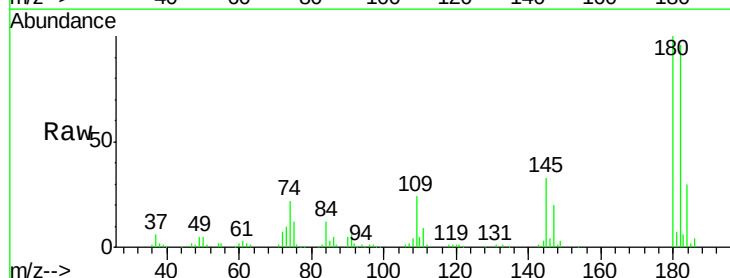
Tgt Ion:180 Resp: 181994

Ion Ratio Lower Upper

180 100

182 95.5 47.0 141.0

145 32.6 17.0 51.0



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

