

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
 Data File : VD061079.D
 Acq On : 15 Mar 2019 11:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Mar 16 05:40:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.08	168	745480	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.25	114	1174768	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	998602	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.54	152	460977	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	291796	47.02	ug/l	0.04
Spiked Amount			Recovery	=	94.04%	
35) Dibromofluoromethane	6.96	113	470676	53.99	ug/l	0.03
Spiked Amount			Recovery	=	107.98%	
50) Toluene-d8	10.43	98	1053977	48.14	ug/l	0.03
Spiked Amount			Recovery	=	96.28%	
62) 4-Bromofluorobenzene	13.57	95	404787	47.65	ug/l	0.02
Spiked Amount			Recovery	=	95.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	330186	44.714	ug/l	99
3) Chloromethane	1.77	50	259820	42.237	ug/l	97
4) Vinyl Chloride	1.87	62	252485	44.419	ug/l	100
5) Bromomethane	2.17	94	43487	41.684	ug/l	90
6) Chloroethane	2.29	64	88175	51.826	ug/l	96
7) Trichlorofluoromethane	2.56	101	397493	48.679	ug/l	96
8) Diethyl Ether	2.90	74	129402	48.038	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.19	101	417682	45.753	ug/l	96
10) Methyl Iodide	3.34	142	588727	47.014	ug/l	99
11) Tert butyl alcohol	4.08	59	97440	246.659	ug/l	100
12) 1,1-Dichloroethene	3.16	96	337846	45.148	ug/l	96
13) Acrolein	3.06	56	126266	220.905	ug/l	94
14) Allyl chloride	3.65	41	527953	44.096	ug/l	97
15) Acrylonitrile	4.23	53	336259	240.840	ug/l	99
16) Acetone	3.25	43	488296	275.182	ug/l	97
17) Carbon Disulfide	3.40	76	1082335	42.877	ug/l	99
18) Methyl Acetate	3.67	43	175082	50.137	ug/l #	91
19) Methyl tert-butyl Ether	4.27	73	664648	50.681	ug/l	100
20) Methylene Chloride	3.85	84	414759	51.393	ug/l	95
21) trans-1,2-Dichloroethene	4.25	96	386768	47.752	ug/l	98
22) Diisopropyl ether	5.16	45	1191322	47.932	ug/l	98
23) Vinyl Acetate	5.10	43	3017350	236.488	ug/l	100
24) 1,1-Dichloroethane	5.03	63	630750	46.318	ug/l	98
25) 2-Butanone	6.10	43	535535	265.971	ug/l	97
26) 2,2-Dichloropropane	6.06	77	547005	51.454	ug/l	98
27) cis-1,2-Dichloroethene	6.07	96	443994	51.667	ug/l	98
28) Bromochloromethane	6.48	49	268346	46.547	ug/l	93
29) Tetrahydrofuran	6.49	42	250863	229.448	ug/l	95
30) Chloroform	6.70	83	647842	45.901	ug/l	99
31) Cyclohexane	6.99	56	506440	46.122	ug/l	98
32) 1,1,1-Trichloroethane	6.91	97	579009	47.452	ug/l	99
36) 1,1-Dichloropropene	7.18	75	468567	46.272	ug/l	99
37) Ethyl Acetate	6.22	43	226260	47.614	ug/l	99
38) Carbon Tetrachloride	7.15	117	619767	55.562	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.90	83	496775	47.311	ug/l	99
40) Benzene	7.49	78	1215094	48.021	ug/l	98
41) Methacrylonitrile	6.48	41	274724	50.263	ug/l	97
42) 1,2-Dichloroethane	7.61	62	400023	54.478	ug/l	99
43) Isopropyl Acetate	9.26	43	330247	50.177	ug/l	100
44) Trichloroethene	8.57	130	435002	49.832	ug/l	99
45) 1,2-Dichloropropane	8.97	63	342087	51.460	ug/l	99
46) Dibromomethane	9.09	93	221691	52.573	ug/l	96
47) Bromodichloromethane	9.41	83	506082	53.184	ug/l	97
48) Methyl methacrylate	9.14	41	198729	53.628	ug/l	100
49) 1,4-Dioxane	9.10	88	40060	1069.091	ug/l	93
51) 4-Methyl-2-Pentanone	10.33	43	933631	231.552	ug/l	100
52) Toluene	10.54	92	756041	48.050	ug/l	99
53) t-1,3-Dichloropropene	10.94	75	457494	52.579	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	514279	49.192	ug/l	97
55) 1,1,2-Trichloroethane	11.21	97	254574	48.584	ug/l	98
56) Ethyl methacrylate	11.06	69	271056	49.421	ug/l	96
57) 1,3-Dichloropropane	11.43	76	411529	52.555	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.88	63	716809	246.906	ug/l	99
59) 2-Hexanone	11.56	43	783848	265.763	ug/l	98
60) Dibromochloromethane	11.70	129	394089	51.103	ug/l	99
61) 1,2-Dibromoethane	11.83	107	304037	49.879	ug/l	97
64) Tetrachloroethene	11.28	164	345906	51.314	ug/l	99
65) Chlorobenzene	12.42	112	976603	49.886	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	369515	52.953	ug/l	99
67) Ethyl Benzene	12.54	91	1459328	50.071	ug/l	98
68) m/p-Xylenes	12.69	106	1100192	96.177	ug/l	96
69) o-Xylene	13.06	106	540138	48.036	ug/l	92
70) Styrene	13.09	104	812727	44.264	ug/l	99
71) Bromoform	13.25	173	233256	51.815	ug/l	96
73) Isopropylbenzene	13.42	105	1416263	42.631	ug/l	98
74) N-amyl acetate	13.28	43	413137	44.165	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	292479	45.124	ug/l	99
76) 1,2,3-Trichloropropane	13.75	75	310418	46.806	ug/l	98
77) Bromobenzene	13.68	156	376554	44.402	ug/l	85
78) n-propylbenzene	13.79	91	1727870	44.427	ug/l	98
79) 2-Chlorotoluene	13.86	91	979617	45.751	ug/l	98
80) 1,3,5-Trimethylbenzene	14.25	105	1154996	45.796	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.49	75	89177	45.609	ug/l	98
82) 4-Chlorotoluene	13.97	91	1076362	42.522	ug/l	94
83) tert-Butylbenzene	14.20	119	1400758	50.750	ug/l	95
84) 1,2,4-Trimethylbenzene	14.25	105	1154996	45.796	ug/l	98
85) sec-Butylbenzene	14.38	105	1544926	45.849	ug/l	97
86) p-Isopropyltoluene	14.51	119	1301219	47.244	ug/l	98
87) 1,3-Dichlorobenzene	14.47	146	678354	44.796	ug/l	98
88) 1,4-Dichlorobenzene	14.55	146	700607	47.081	ug/l	97
89) n-Butylbenzene	14.81	91	1157413	43.759	ug/l	97
90) Hexachloroethane	15.02	117	346247	44.520	ug/l	83
91) 1,2-Dichlorobenzene	14.82	146	598932	47.443	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.40	75	34618	44.321	ug/l	85

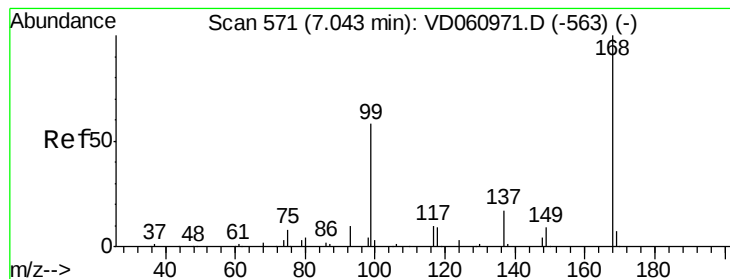
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031519\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	292137	49.884	ug/l	98
94) Hexachlorobutadiene	16.05	225	197691	44.629	ug/l	99
95) Naphthalene	16.14	128	438026	49.219	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	135822	46.957	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.08 min Scan# 574

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

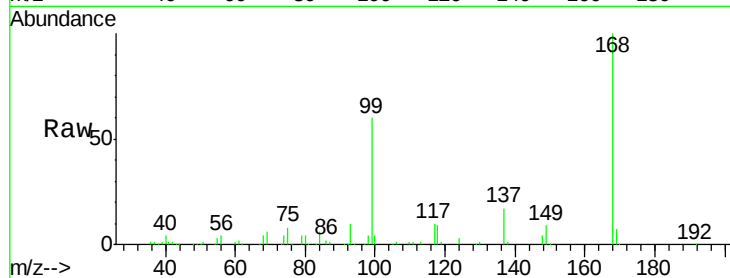
VSTDCCC050

Tot Ion:168 Resp: 745480

Ion Ratio Lower Upper

168 100

99 60.2 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.08

250000

200000

150000

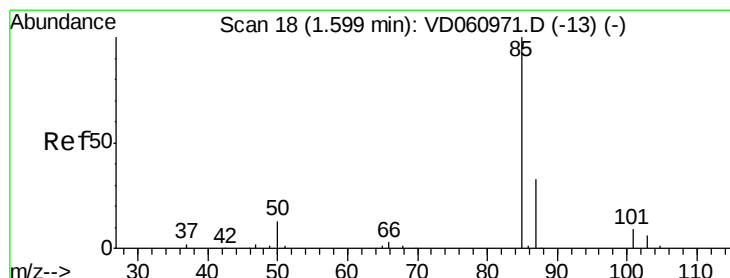
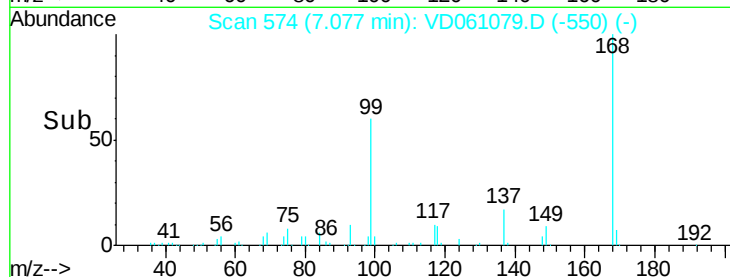
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 44.714 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061079.D

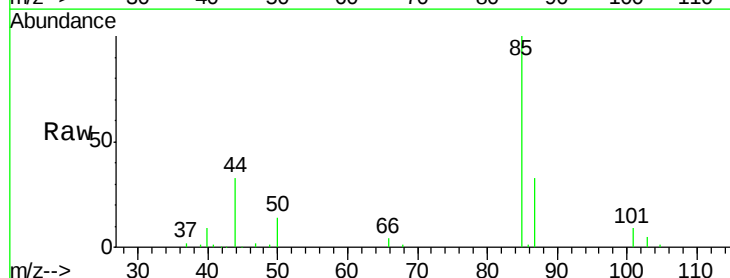
Acq: 15 Mar 2019 11:10

Tgt Ion: 85 Resp: 330186

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

150000

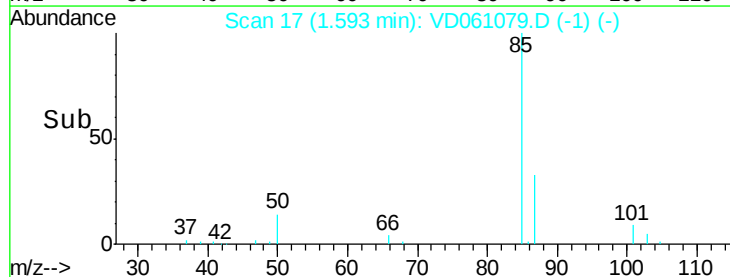
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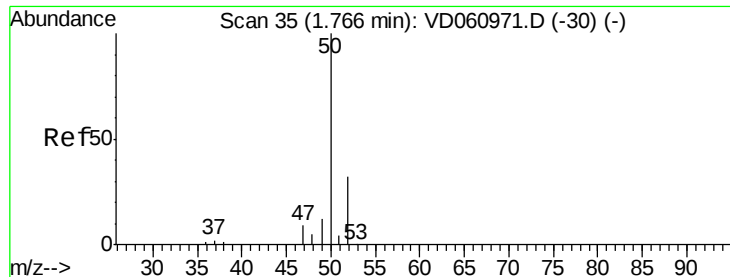
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 42.237 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.00 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

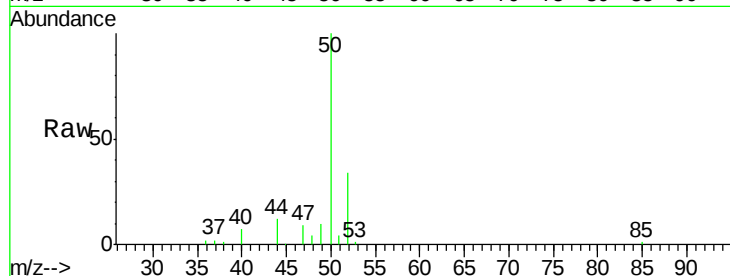
VSTDCCC050

Tot Ion: 50 Resp: 259820

Ion Ratio Lower Upper

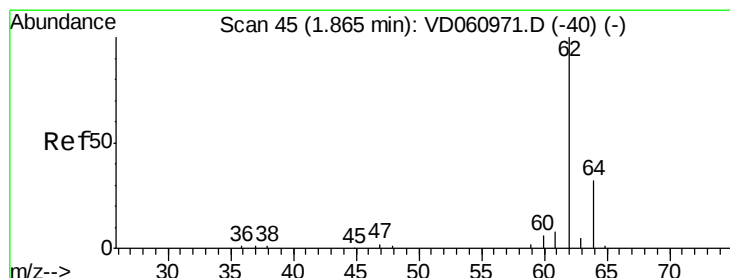
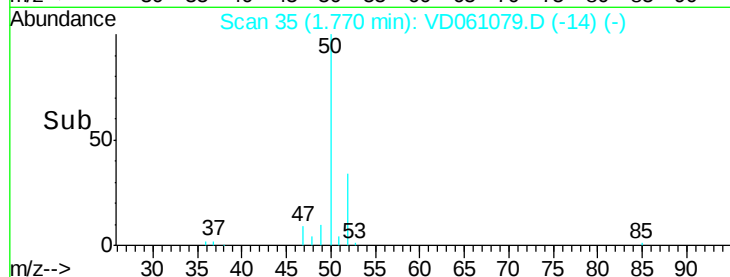
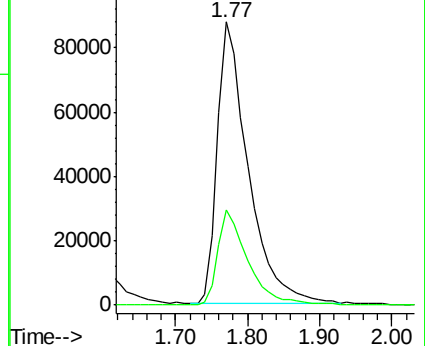
50 100

52 33.8 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.419 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.00 min

Lab File: VD061079.D

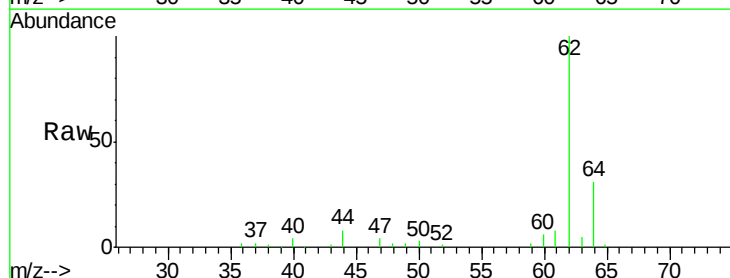
Acq: 15 Mar 2019 11:10

Tgt Ion: 62 Resp: 252485

Ion Ratio Lower Upper

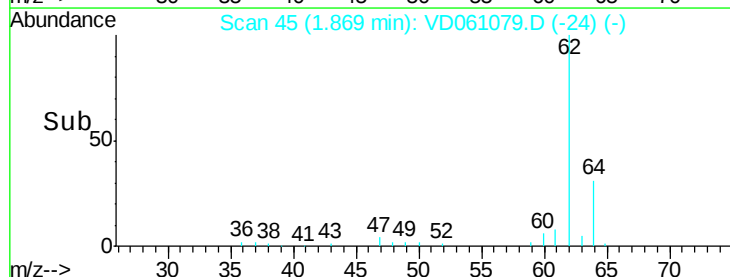
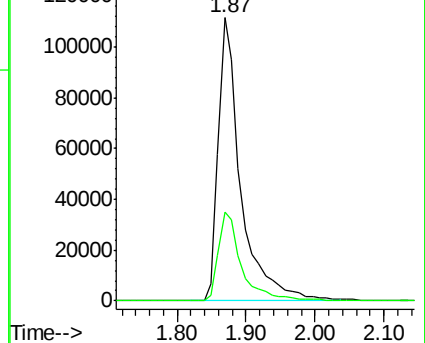
62 100

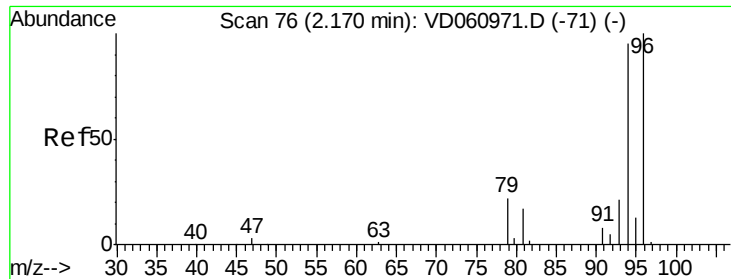
64 31.3 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 41.684 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

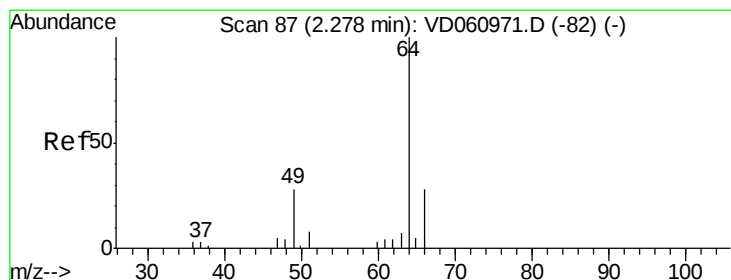
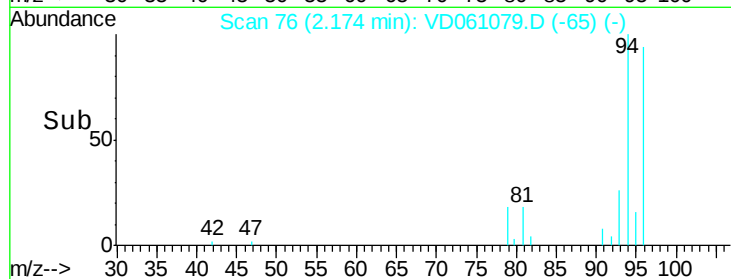
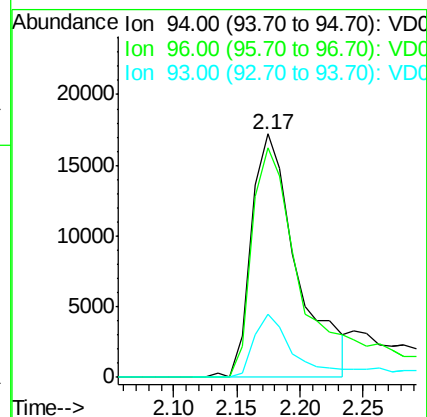
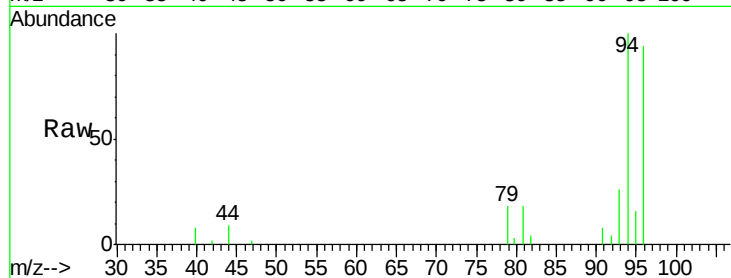
Tot Ion: 94 Resp: 43487

Ion Ratio Lower Upper

94 100

96 94.4 84.0 126.0

93 25.8 17.3 25.9



#6

Chloroethane

Concen: 51.826 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.01 min

Lab File: VD061079.D

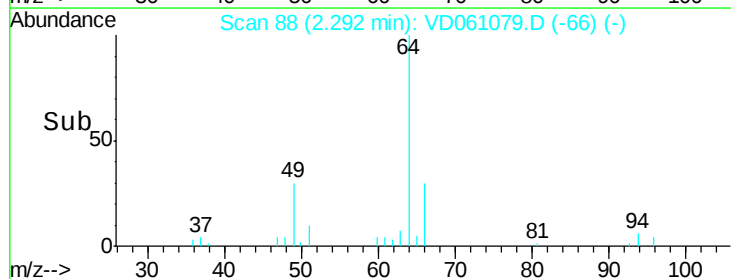
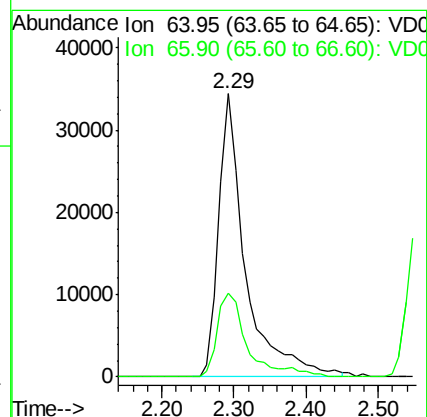
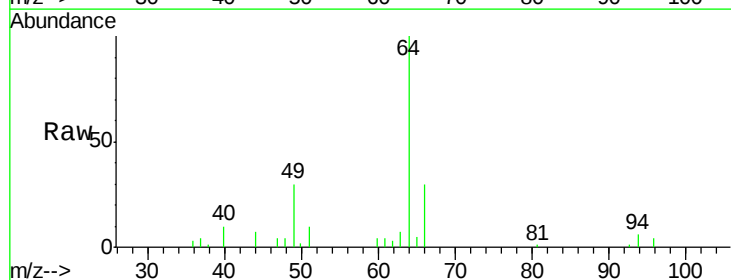
Acq: 15 Mar 2019 11:10

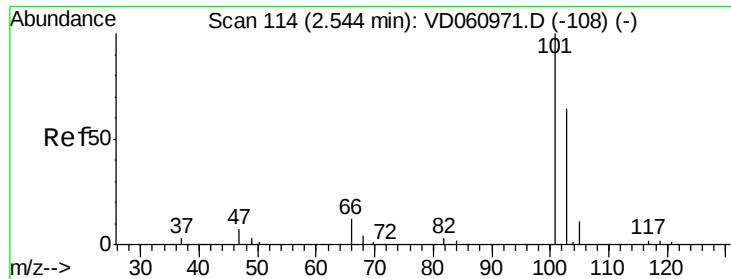
Tgt Ion: 64 Resp: 88175

Ion Ratio Lower Upper

64 100

66 29.7 22.2 33.2



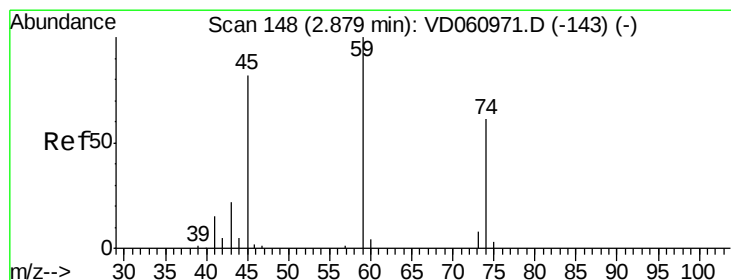
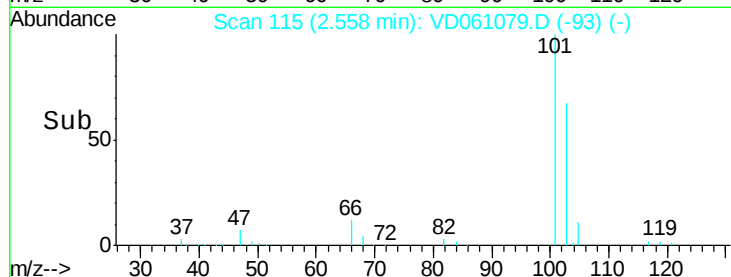
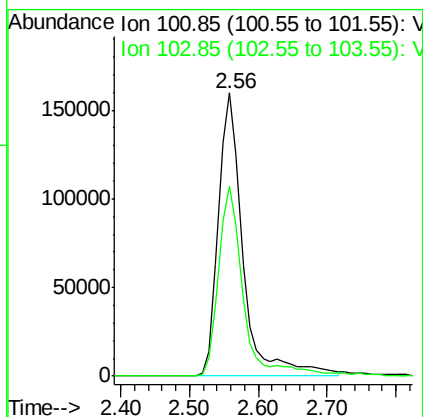
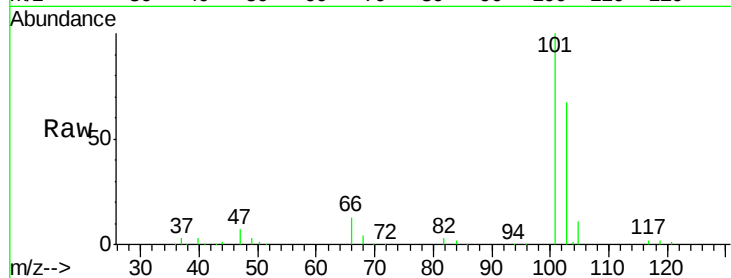


#7

Trichlorofluoromethane
Concen: 48.679 ug/l
RT: 2.56 min Scan# 115
Delta R.T. 0.01 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
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ClientSampleId :
VSTDCCC050

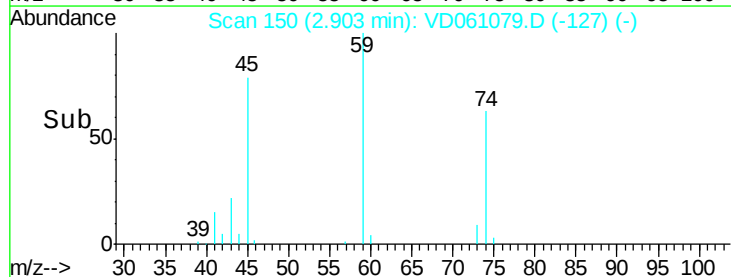
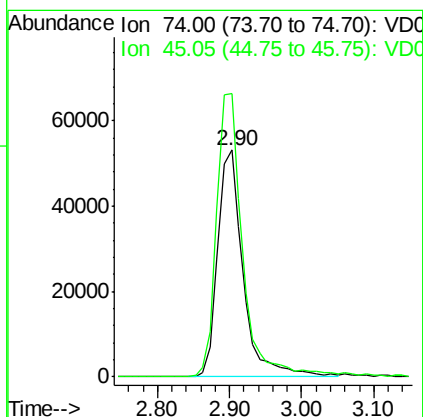
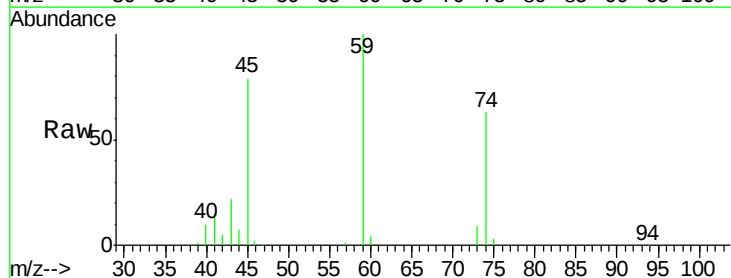
Tot Ion:101 Resp: 397493
Ion Ratio Lower Upper
101 100
103 67.3 51.2 76.8

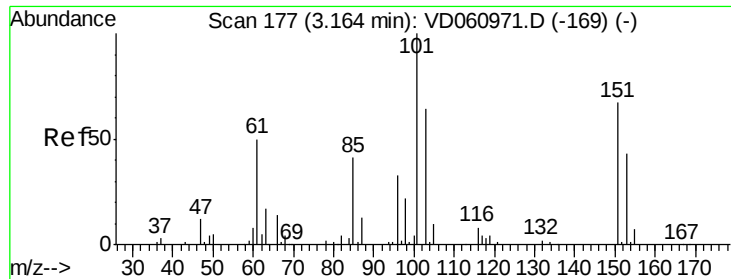


#8

Diethyl Ether
Concen: 48.038 ug/l
RT: 2.90 min Scan# 150
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 74 Resp: 129402
Ion Ratio Lower Upper
74 100
45 124.9 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.753 ug/l

RT: 3.19 min Scan# 179

Delta R.T. 0.02 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

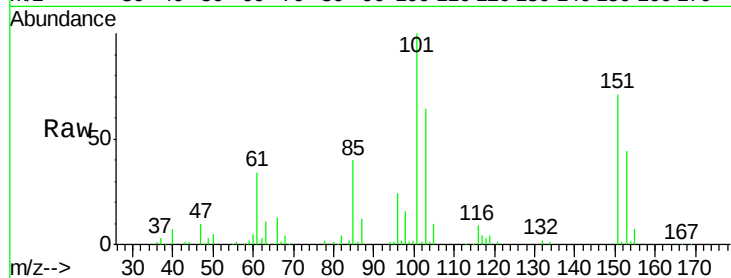
Tot Ion:101 Resp: 417682

Ion Ratio Lower Upper

101 100

85 40.0 32.5 48.7

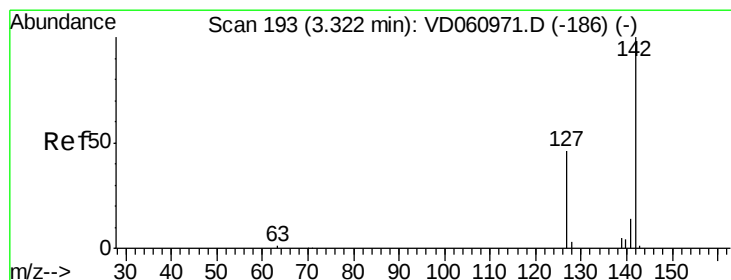
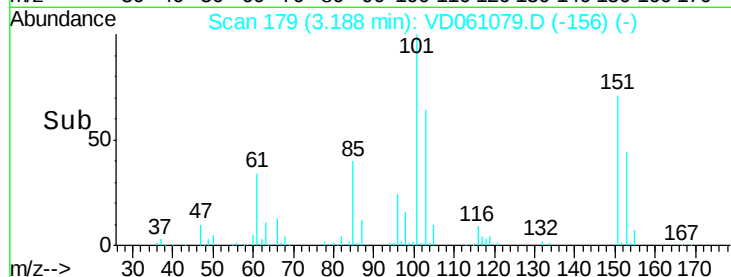
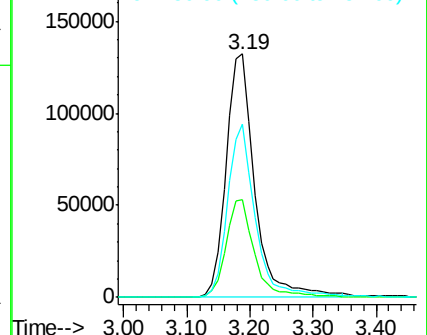
151 71.0 53.3 79.9



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: 47.014 ug/l

RT: 3.34 min Scan# 194

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

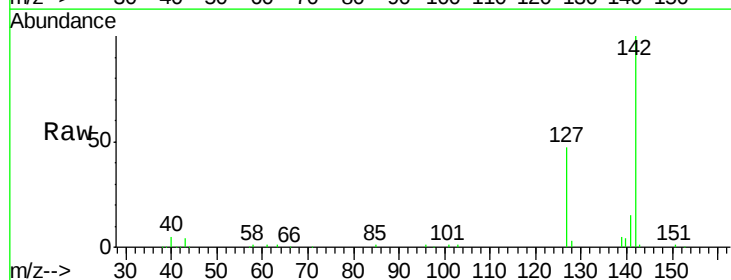
Tgt Ion:142 Resp: 588727

Ion Ratio Lower Upper

142 100

127 46.9 36.8 55.2

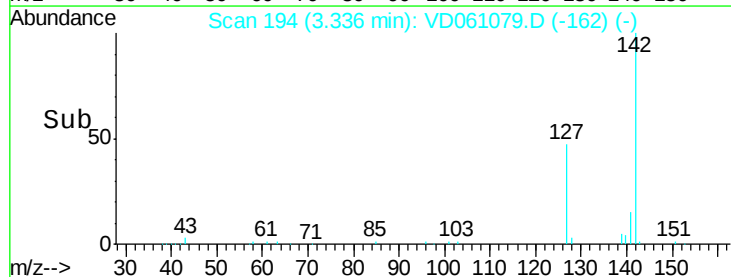
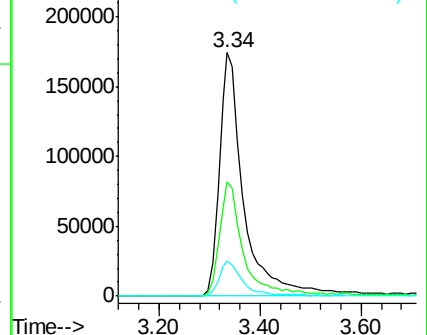
141 14.6 11.2 16.8

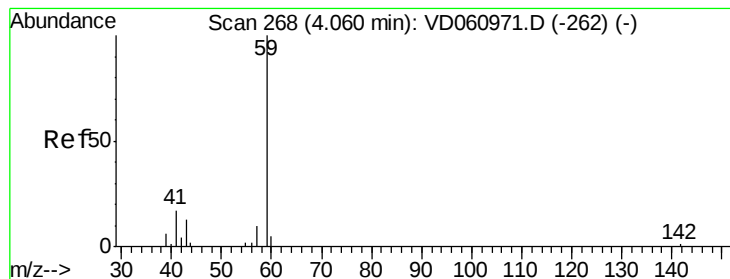


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



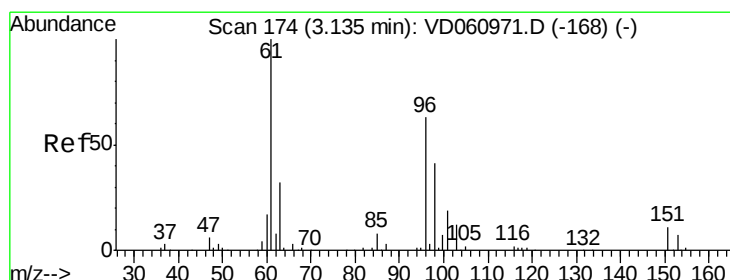
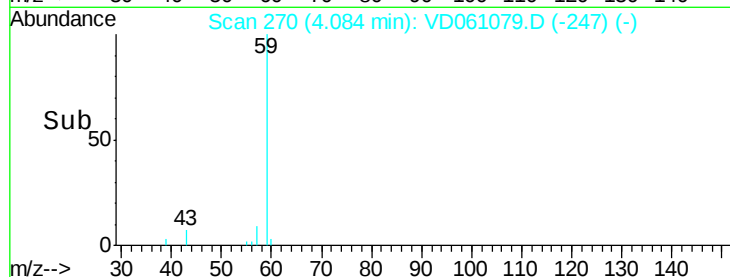
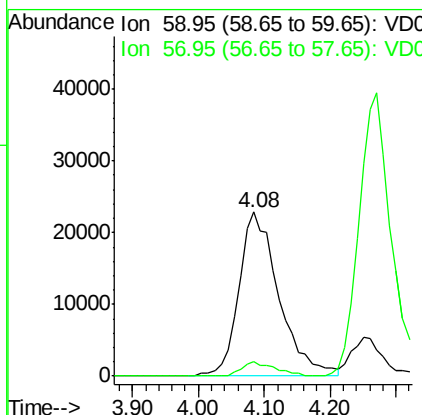
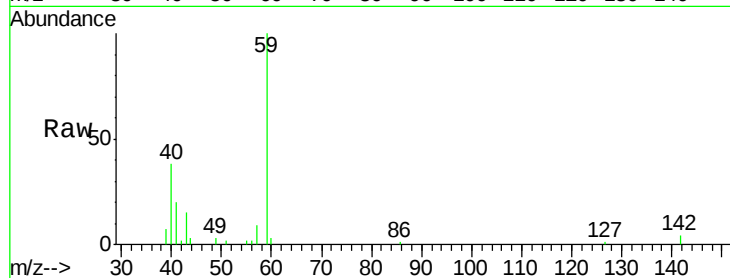


#11

Tert butyl alcohol
Concen: 246.659 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

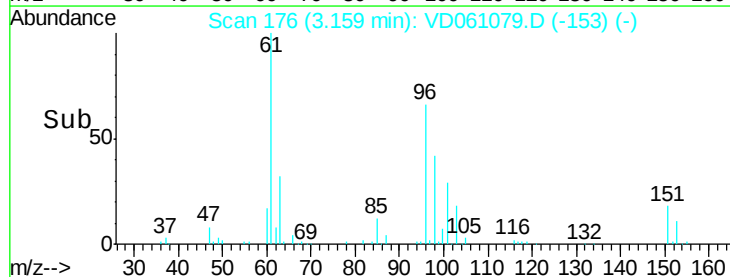
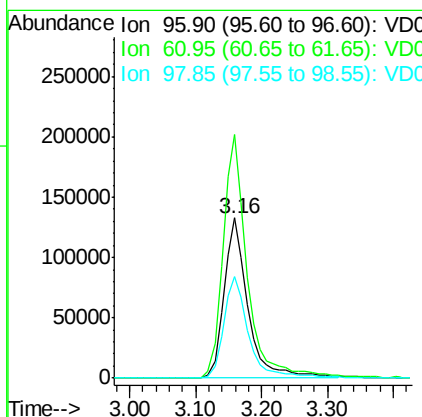
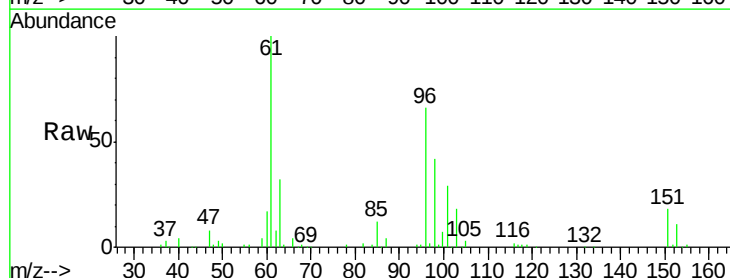
Tot Ion: 59 Resp: 97440
Ion Ratio Lower Upper
59 100
57 8.8 7.1 10.7

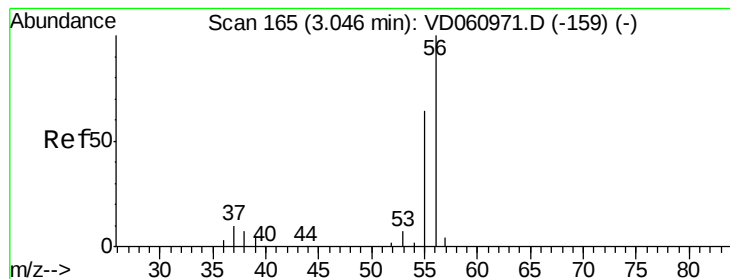


#12

1,1-Dichloroethene
Concen: 45.148 ug/l
RT: 3.16 min Scan# 176
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 96 Resp: 337846
Ion Ratio Lower Upper
96 100
61 151.9 127.1 190.7
98 63.4 51.5 77.3





#13

Acrolein

Concen: 220.905 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

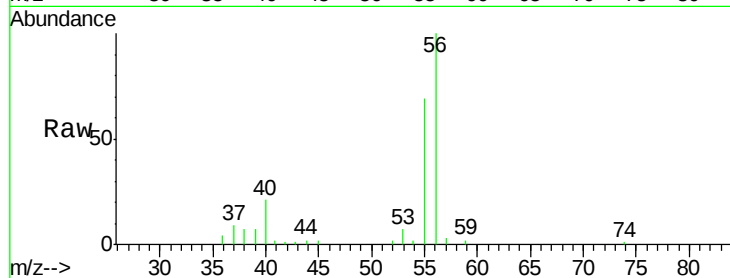
VSTDCCC050

Tot Ion: 56 Resp: 126266

Ion Ratio Lower Upper

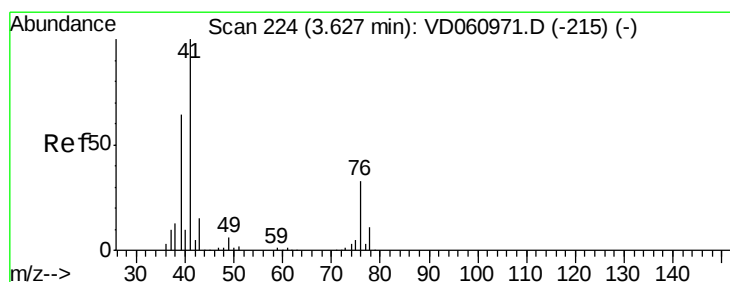
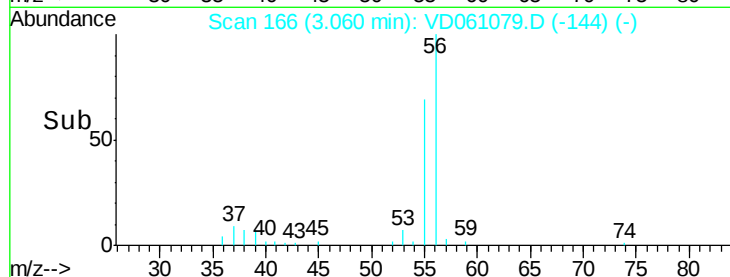
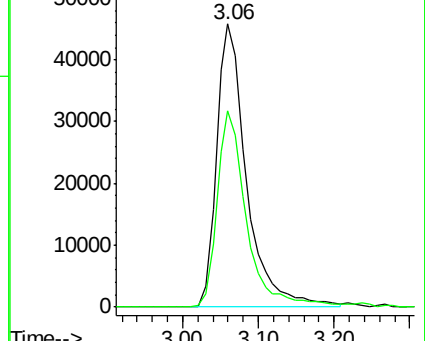
56 100

55 69.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.096 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

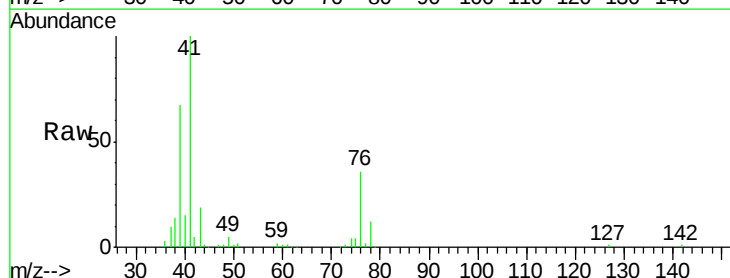
Tgt Ion: 41 Resp: 527953

Ion Ratio Lower Upper

41 100

39 67.2 51.1 76.7

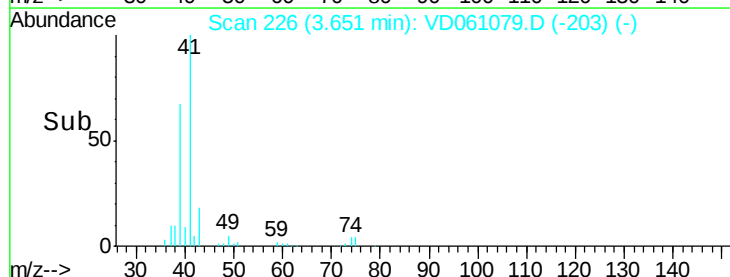
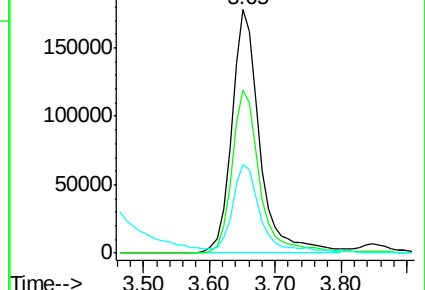
76 36.5 29.1 43.7

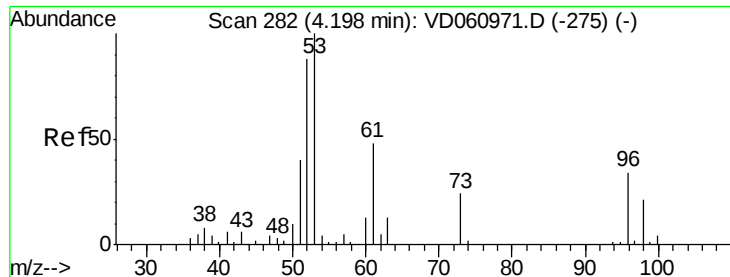


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 240.840 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

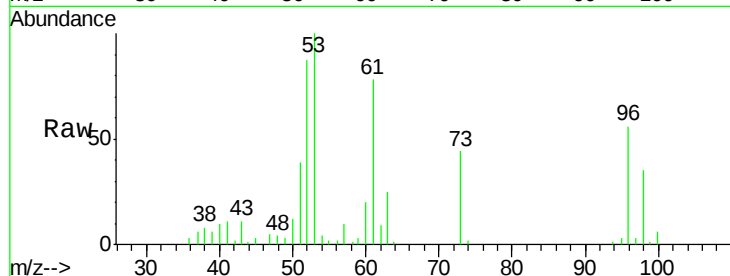
Tot Ion: 53 Resp: 336259

Ion Ratio Lower Upper

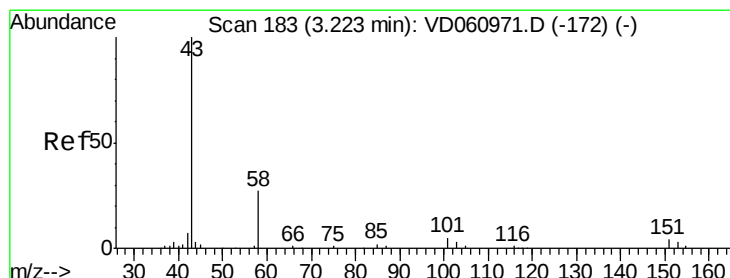
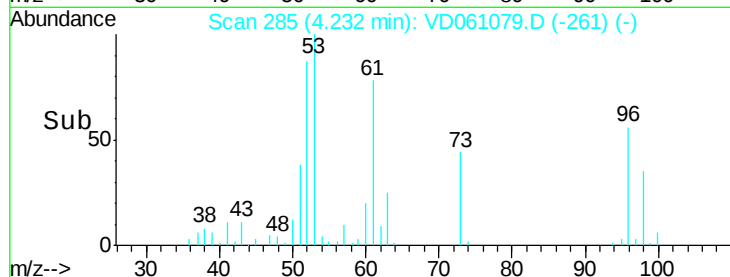
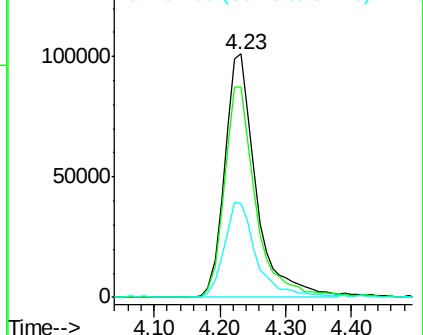
53 100

52 86.7 70.2 105.4

51 38.8 31.7 47.5



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



#16

Acetone

Concen: 275.182 ug/l

RT: 3.25 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061079.D

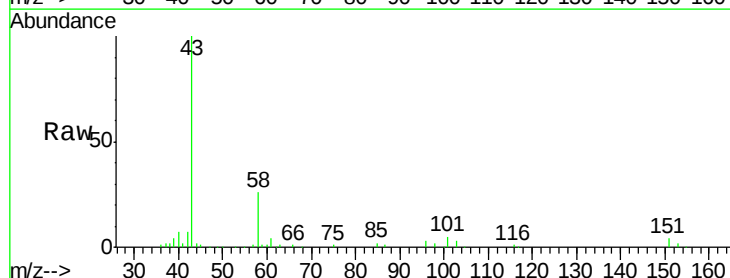
Acq: 15 Mar 2019 11:10

Tgt Ion: 43 Resp: 488296

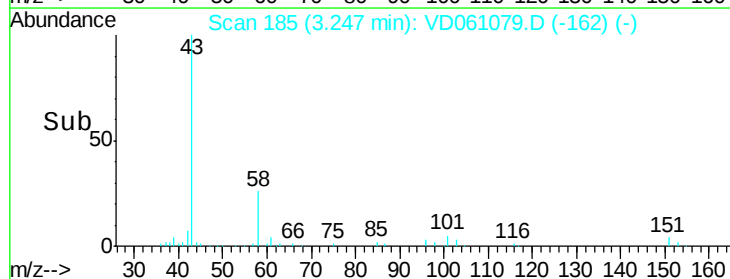
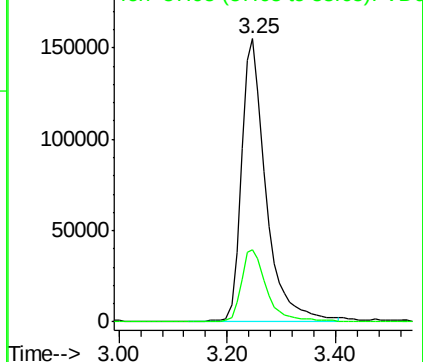
Ion Ratio Lower Upper

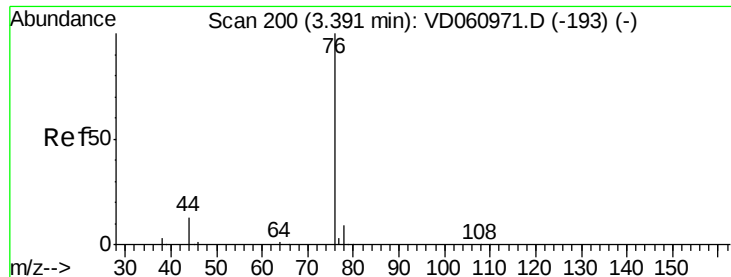
43 100

58 25.6 21.6 32.4



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





#17

Carbon Disulfide

Concen: 42.877 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

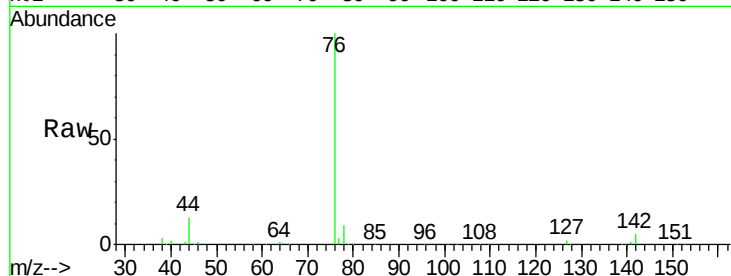
VSTDCCC050

Tot Ion: 76 Resp: 1082335

Ion Ratio Lower Upper

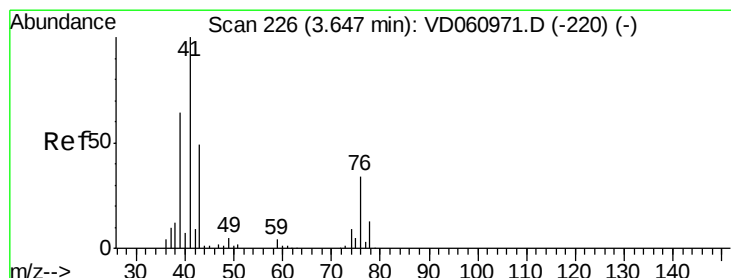
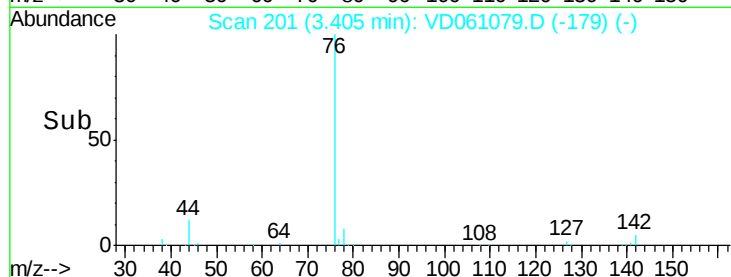
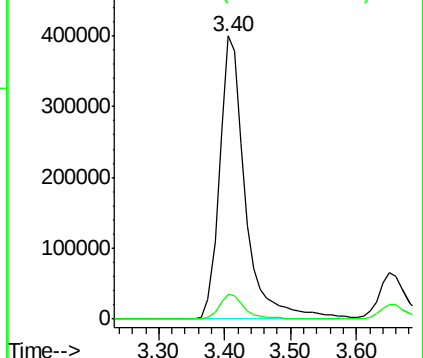
76 100

78 9.0 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 50.137 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.02 min

Lab File: VD061079.D

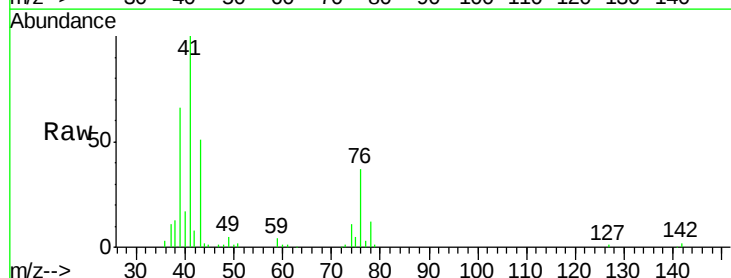
Acq: 15 Mar 2019 11:10

Tgt Ion: 43 Resp: 175082

Ion Ratio Lower Upper

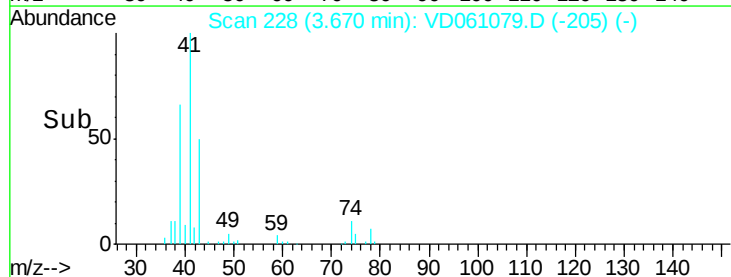
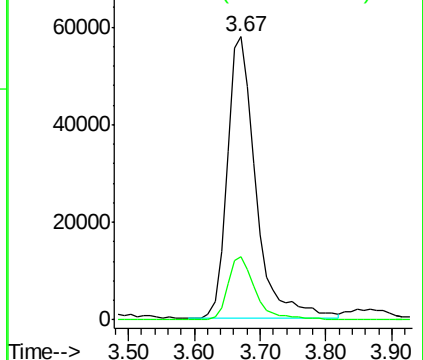
43 100

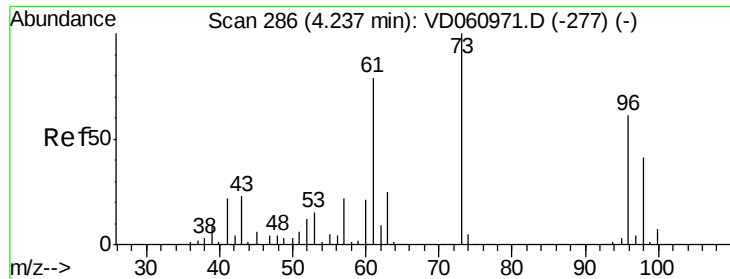
74 22.1 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

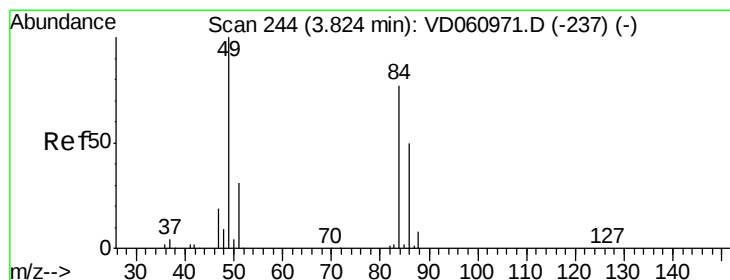
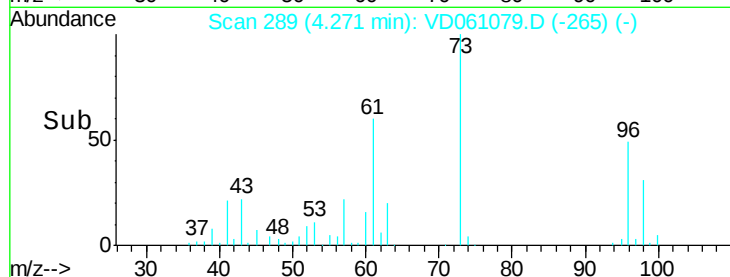
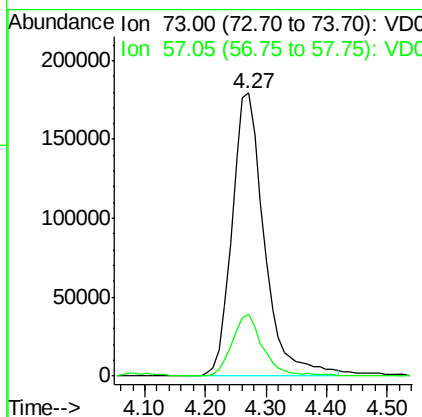
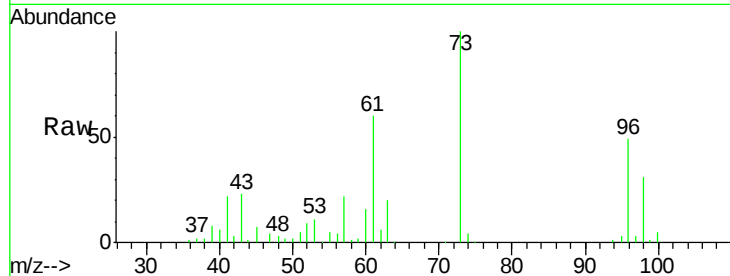




#19
Methvl tert-butvl Ether
Concen: 50.681 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

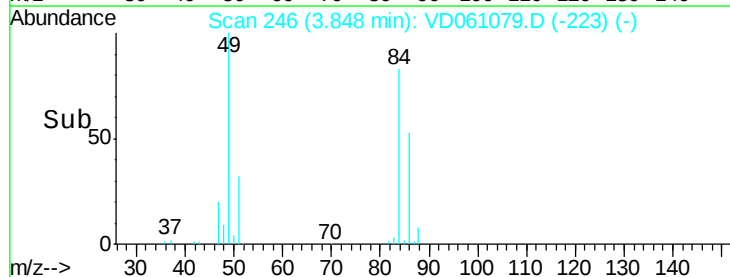
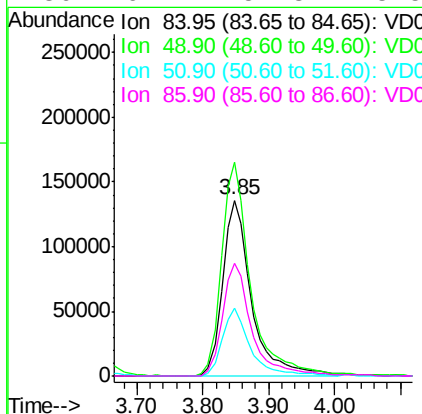
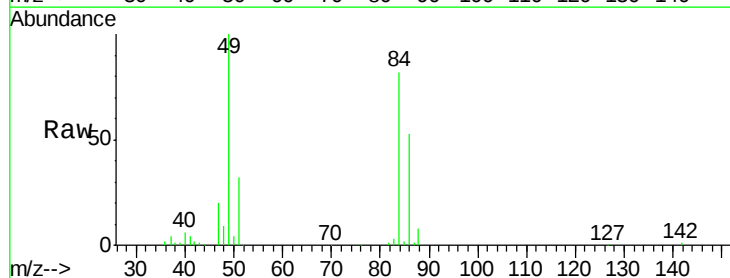
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

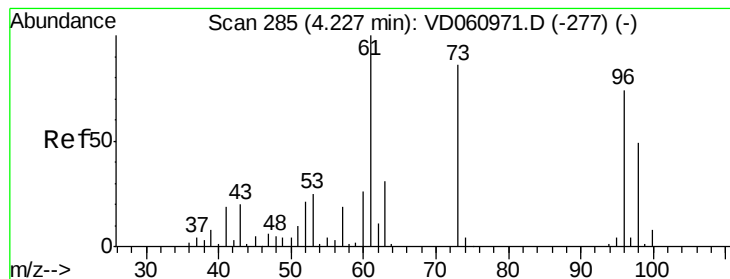
Tot Ion: 73 Resp: 664648
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5



#20
Methylene Chloride
Concen: 51.393 ug/l
RT: 3.85 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 84 Resp: 414759
Ion Ratio Lower Upper
84 100
49 121.6 104.2 156.2
51 38.9 32.3 48.5
86 64.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 47.752 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

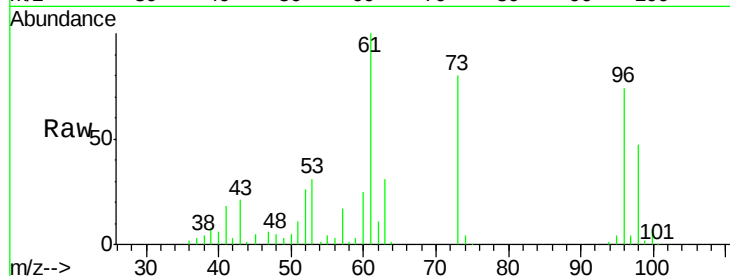
Tot Ion: 96 Resp: 386768

Ion Ratio Lower Upper

96 100

61 134.7 108.4 162.6

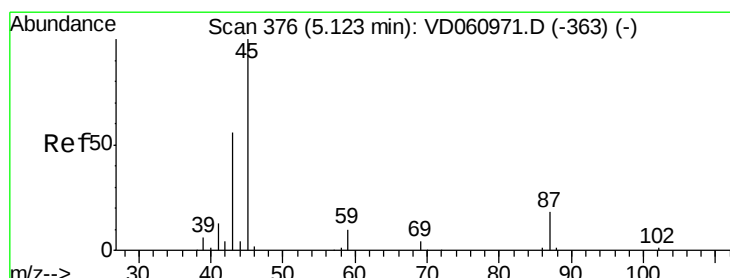
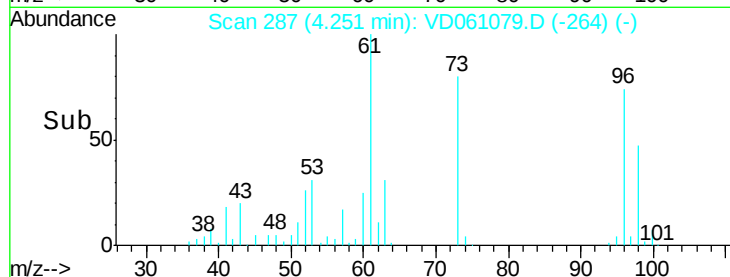
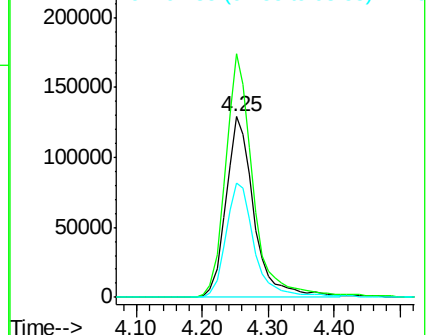
98 63.5 53.0 79.4



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: 47.932 ug/l

RT: 5.16 min Scan# 379

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Tgt Ion: 45 Resp: 1191322

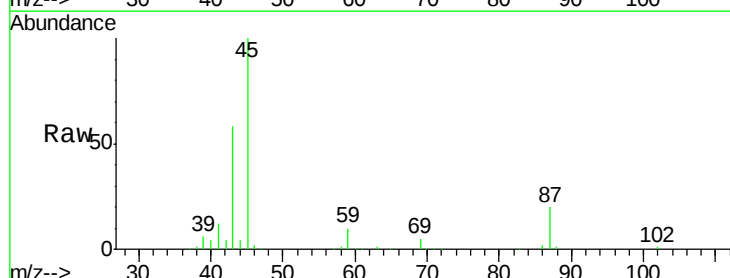
Ion Ratio Lower Upper

45 100

43 58.2 45.8 68.8

87 19.9 14.9 22.3

59 10.3 8.0 12.0

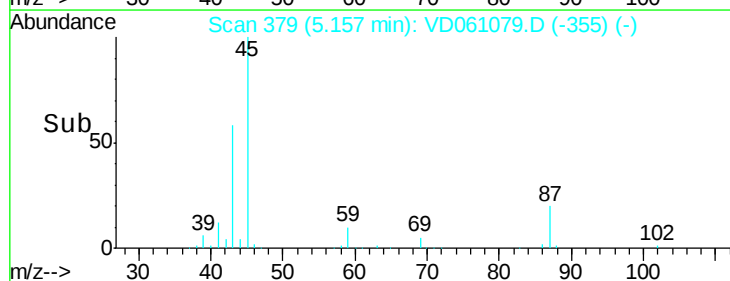
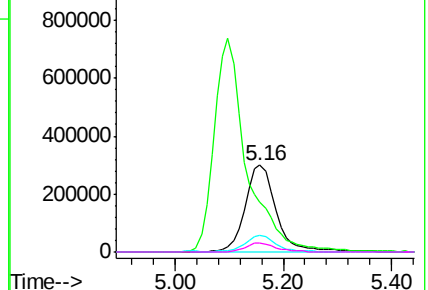


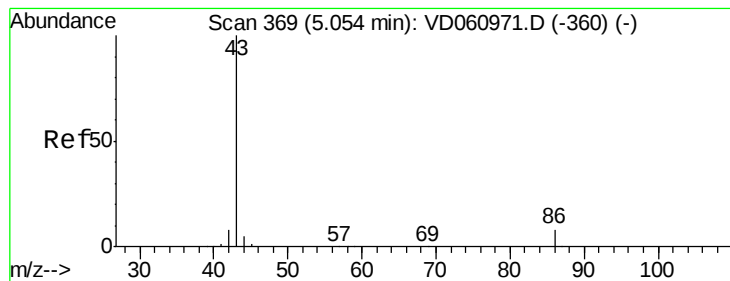
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 236.488 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.04 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

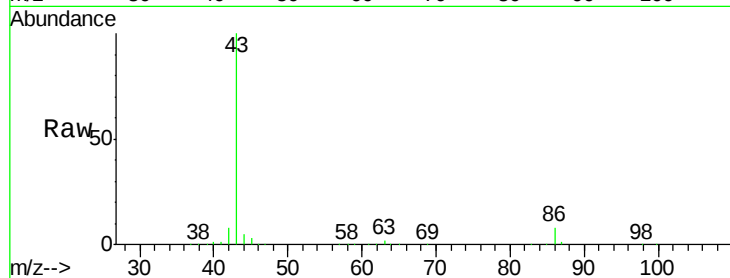
VSTDCCC050

Tot Ion: 43 Resp: 3017350

Ion Ratio Lower Upper

43 100

86 7.7 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.10

800000

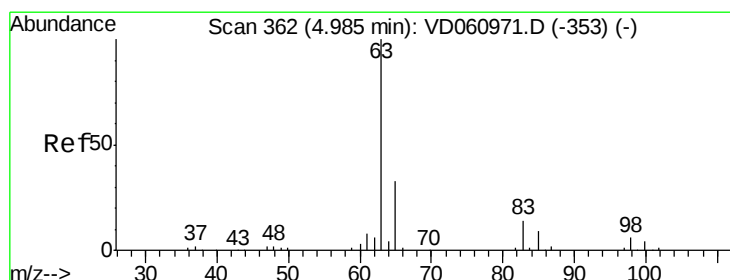
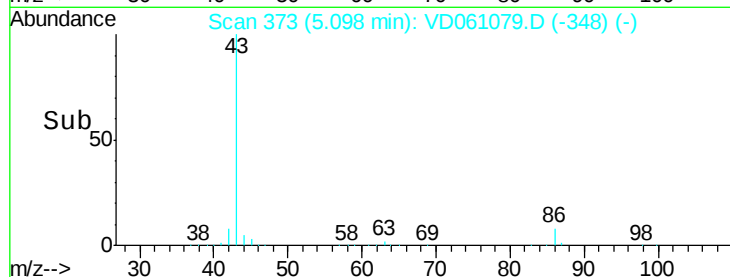
600000

400000

200000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 46.318 ug/l

RT: 5.03 min Scan# 366

Delta R.T. 0.04 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

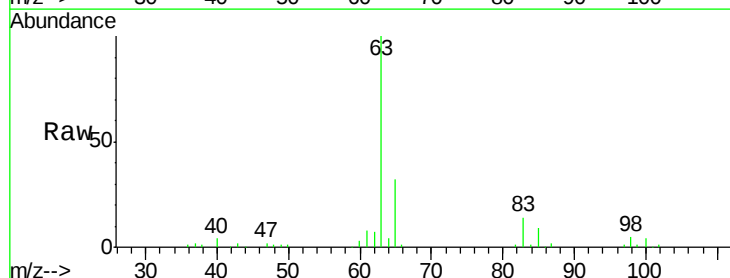
Tgt Ion: 63 Resp: 630750

Ion Ratio Lower Upper

63 100

98 5.1 3.0 9.2

100 3.6 2.0 5.8



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

5.03

200000

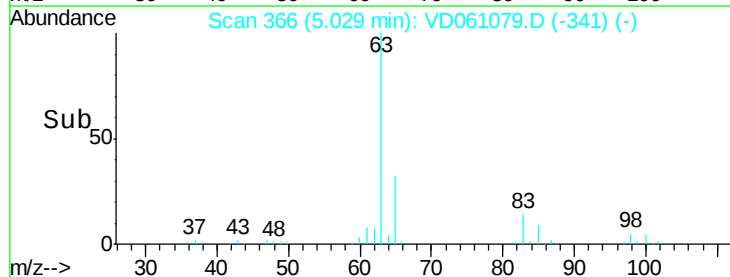
150000

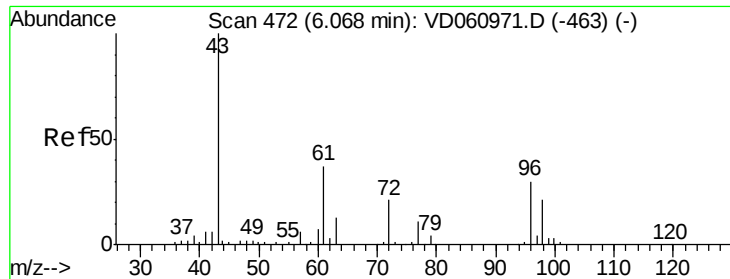
100000

50000

0

Time--> 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 265.971 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

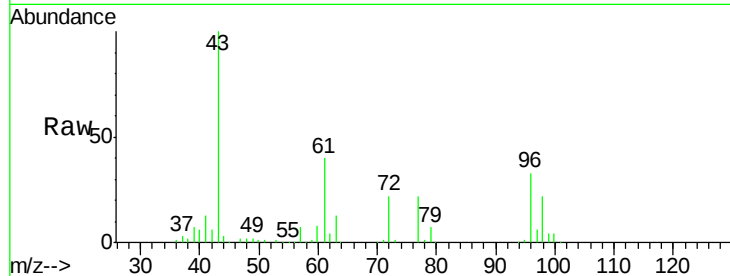
VSTDCCC050

Tot Ion: 43 Resp: 535535

Ion Ratio Lower Upper

43 100

72 22.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

200000

150000

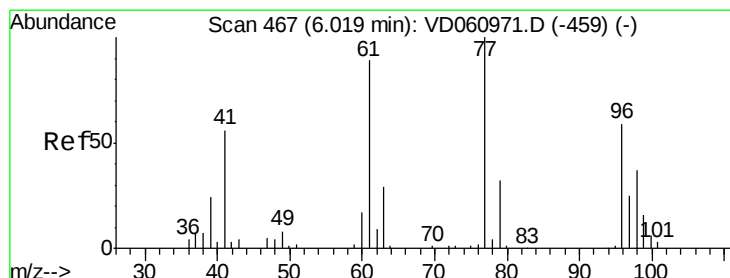
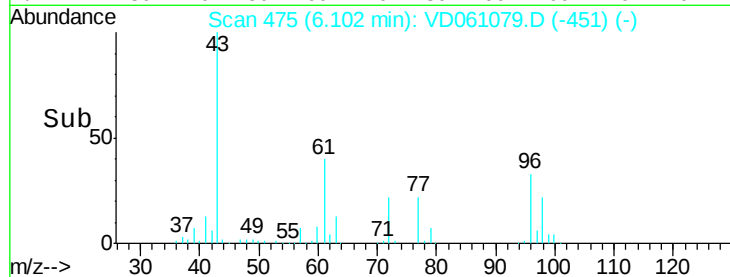
100000

50000

0

6.00 6.10 6.20

Time-->



#26

2,2-Dichloropropane

Concen: 51.454 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.04 min

Lab File: VD061079.D

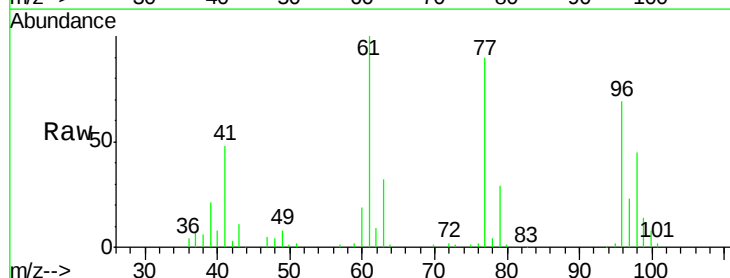
Acq: 15 Mar 2019 11:10

Tgt Ion: 77 Resp: 547005

Ion Ratio Lower Upper

77 100

97 26.0 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

150000

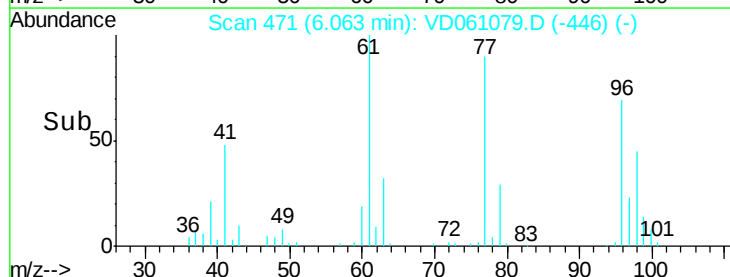
100000

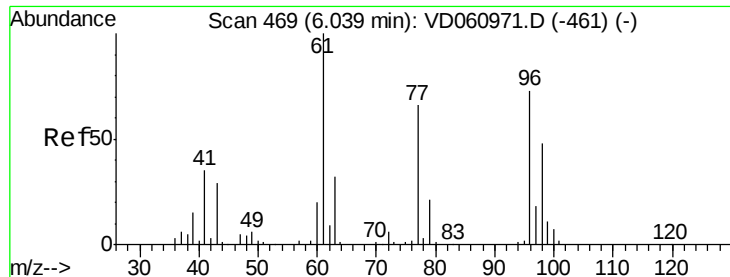
50000

0

5.90 6.00 6.10 6.20

Time-->



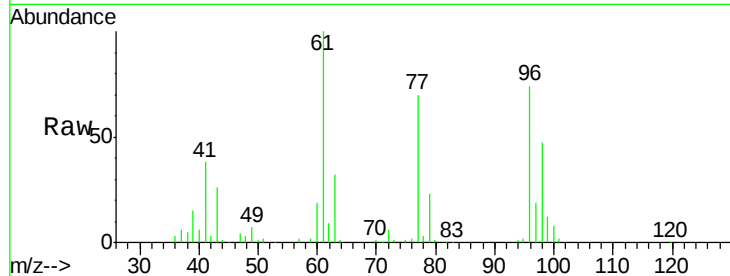


#27

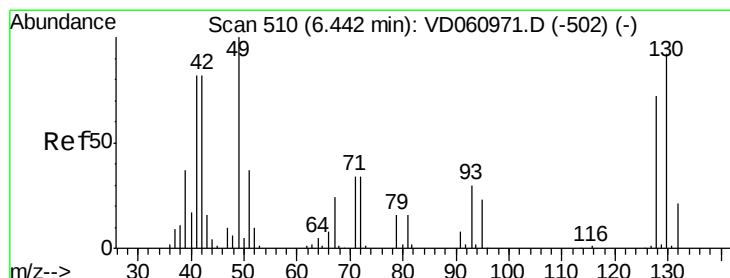
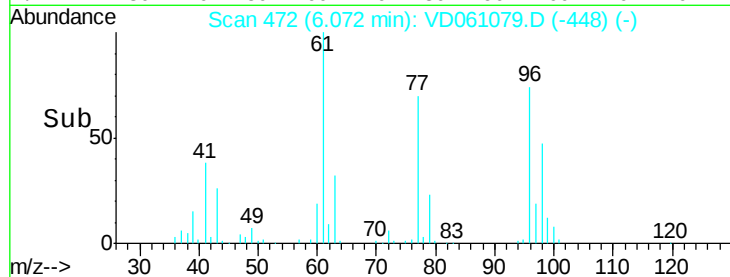
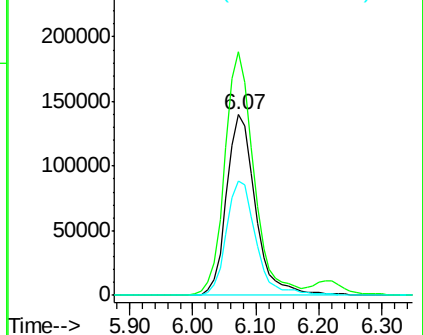
cis-1,2-Dichloroethene
Concen: 51.667 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 443994
Ion Ratio Lower Upper
96 100
61 134.9 0.0 273.6
98 63.2 0.0 132.6



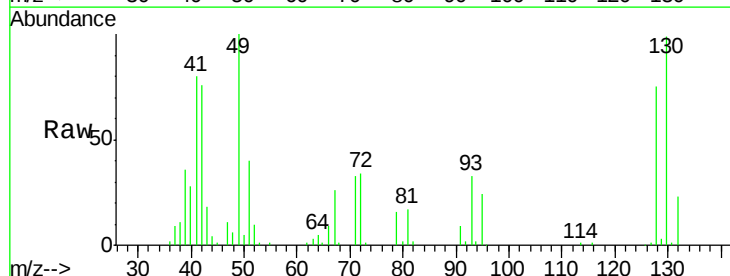
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



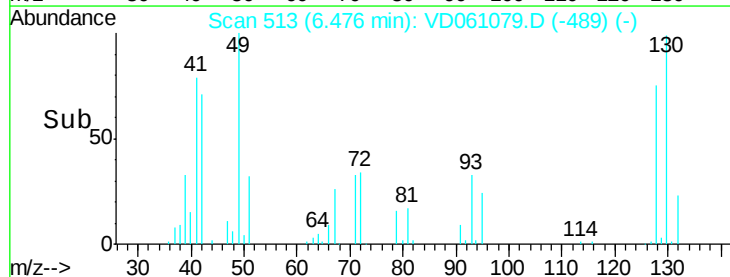
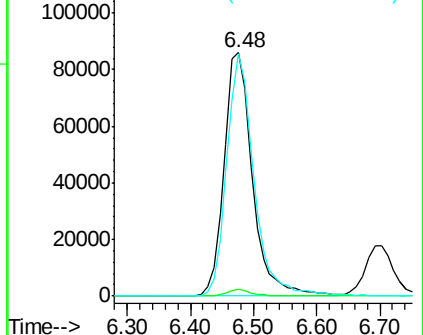
#28

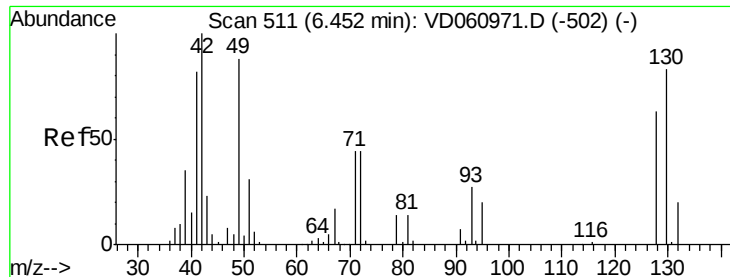
Bromochloromethane
Concen: 46.547 ug/l
RT: 6.48 min Scan# 513
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 49 Resp: 268346
Ion Ratio Lower Upper
49 100
129 2.7 0.0 4.0
130 99.5 73.8 110.8



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

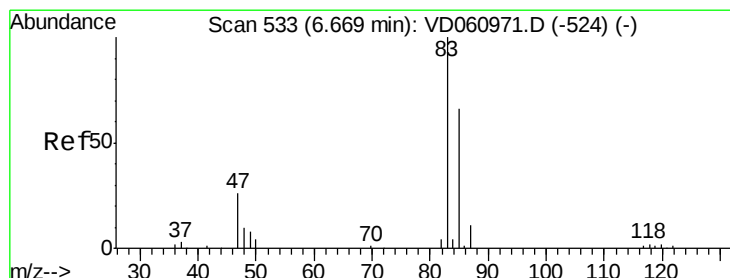
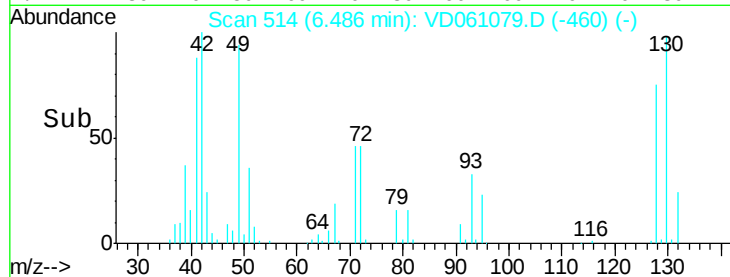
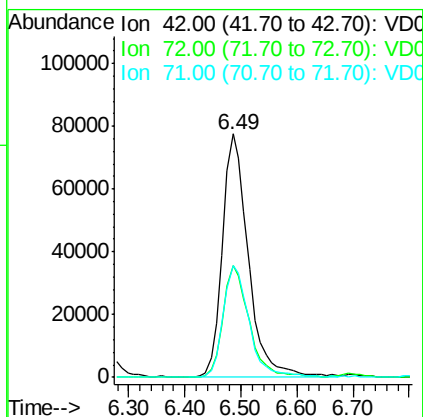
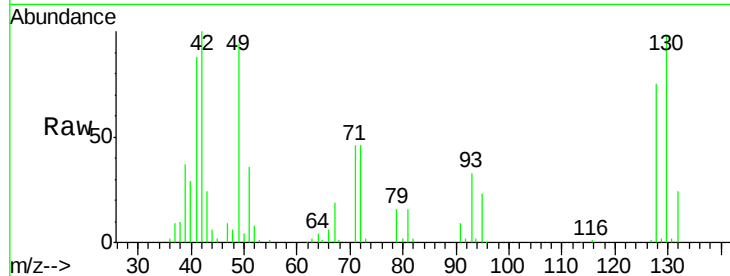




#29
Tetrahydrofuran
Concen: 229.448 ug/l
RT: 6.49 min Scan# 514
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

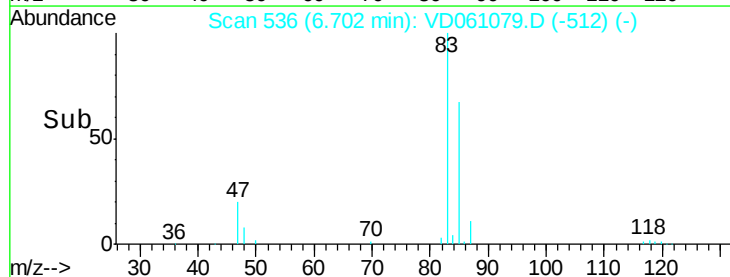
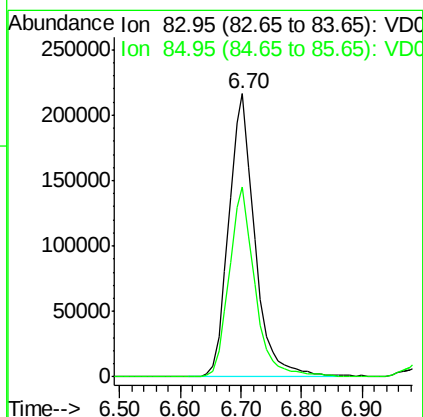
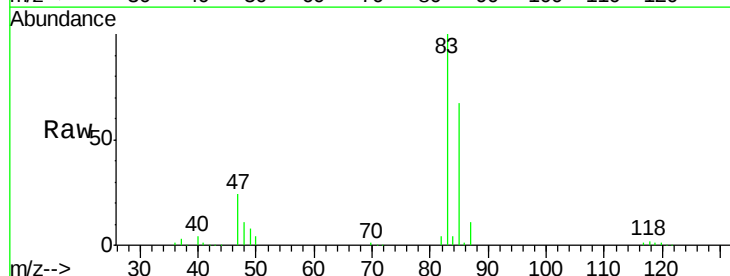
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

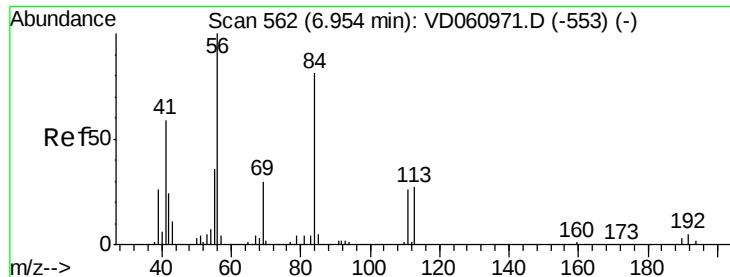
Tot Ion: 42 Resp: 250863
Ion Ratio Lower Upper
42 100
72 46.0 34.5 51.7
71 45.9 33.8 50.6



#30
Chloroform
Concen: 45.901 ug/l
RT: 6.70 min Scan# 536
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 83 Resp: 647842
Ion Ratio Lower Upper
83 100
85 67.0 53.0 79.4

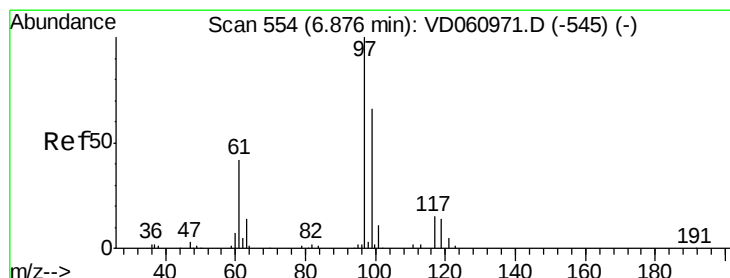
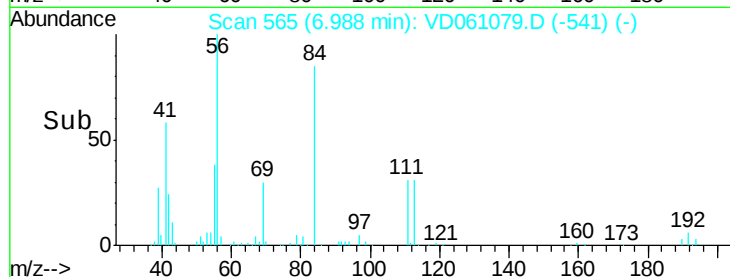
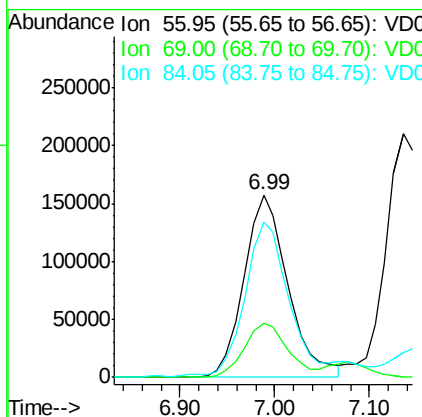
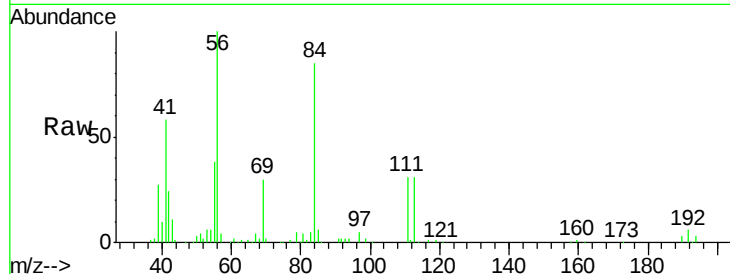




#31
Cyclohexane
Concen: 46.122 ug/l
RT: 6.99 min Scan# 565
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

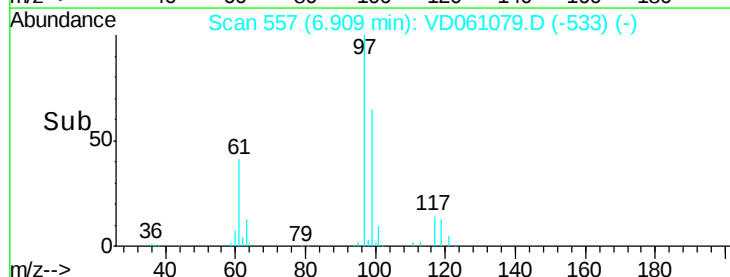
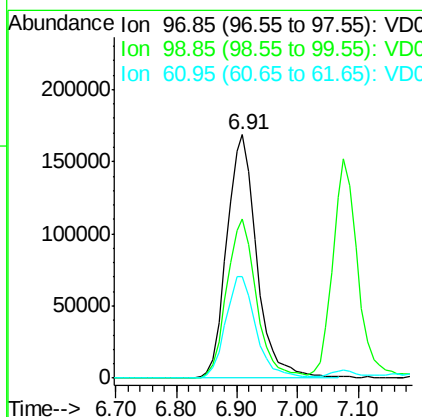
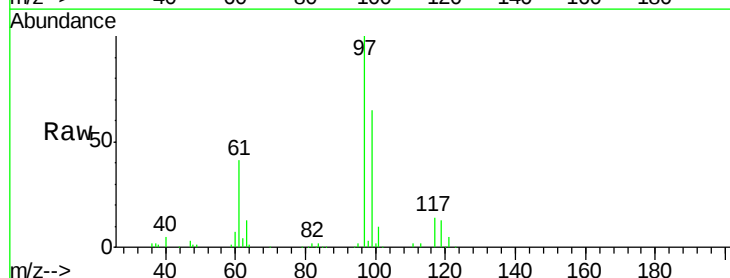
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

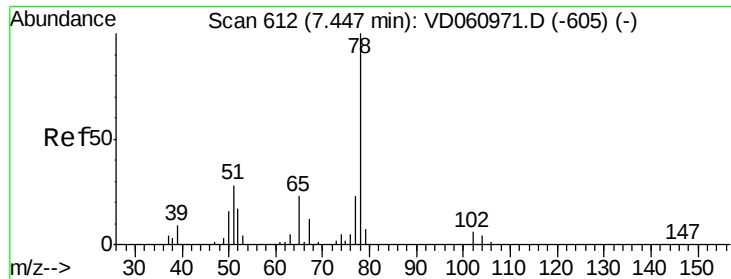
Tot Ion: 56 Resp: 506440
Ion Ratio Lower Upper
56 100
69 29.9 24.0 36.0
84 85.2 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 47.452 ug/l
RT: 6.91 min Scan# 557
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 97 Resp: 579009
Ion Ratio Lower Upper
97 100
99 65.4 53.2 79.8
61 41.5 33.8 50.8

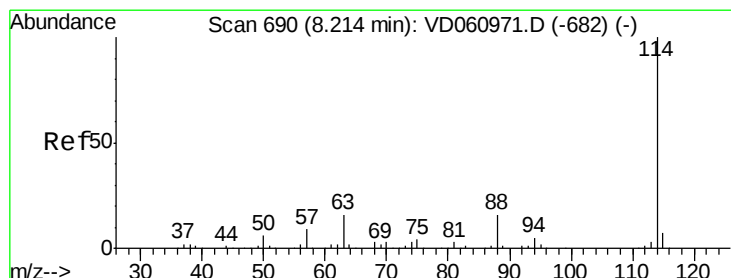
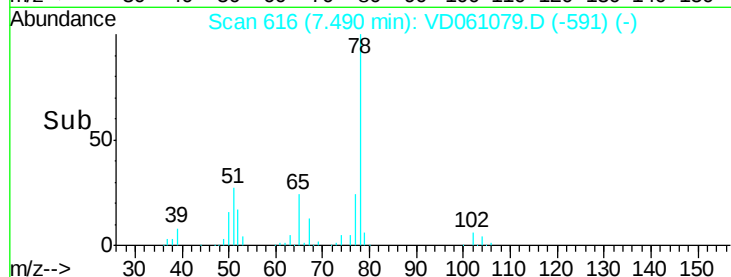
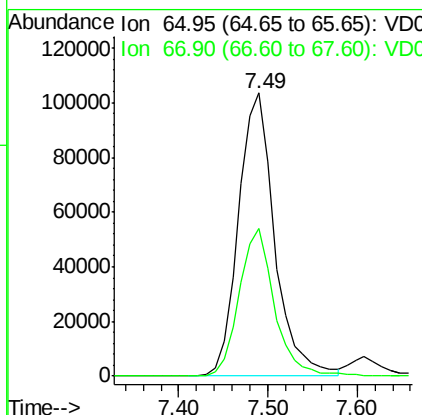
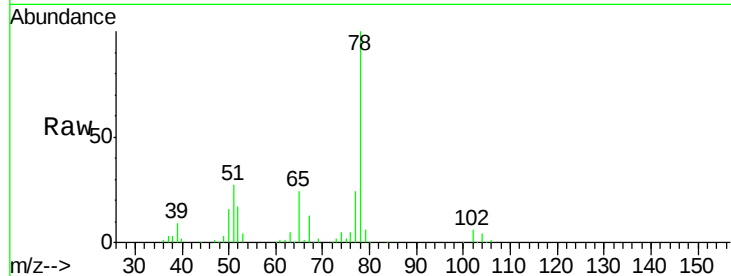




#33
 1,2-Dichloroethane-d4
 Concen: 47.452 ug/l
 RT: 7.49 min Scan# 616
 Delta R.T. 0.04 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

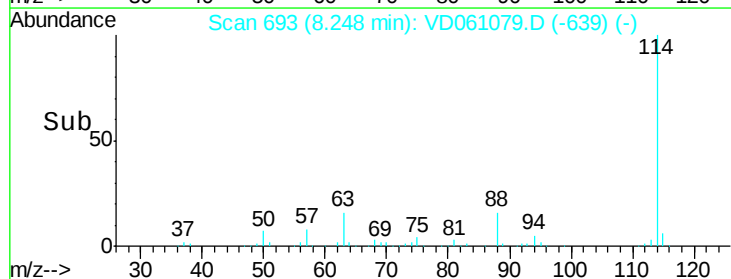
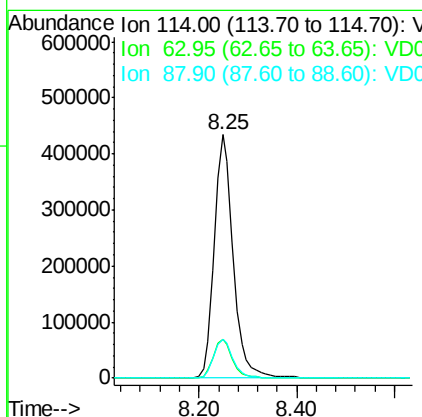
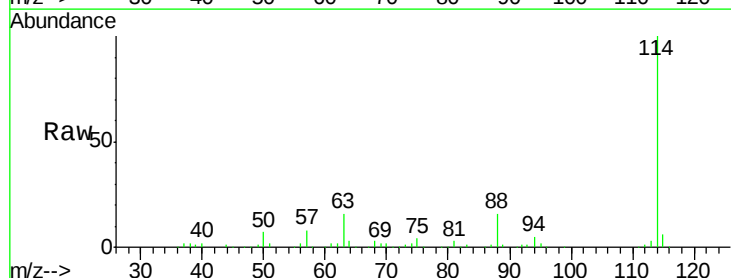
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

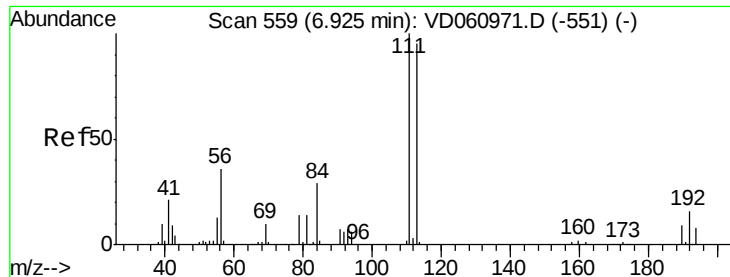
Tot Ion: 65 Resp: 291796
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.25 min Scan# 693
 Delta R.T. 0.03 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Tgt Ion: 114 Resp: 1174768
 Ion Ratio Lower Upper
 114 100
 63 16.2 0.0 31.4
 88 16.2 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

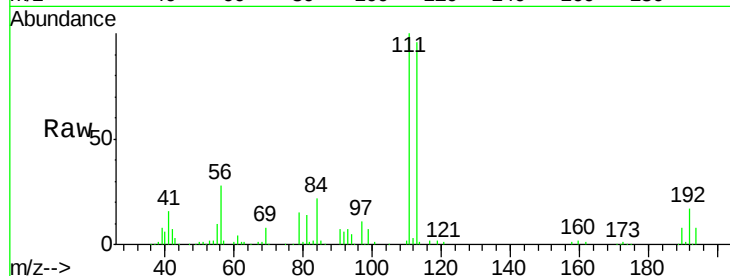
Tot Ion:113 Resp: 470676

Ion Ratio Lower Upper

113 100

111 104.5 84.2 126.4

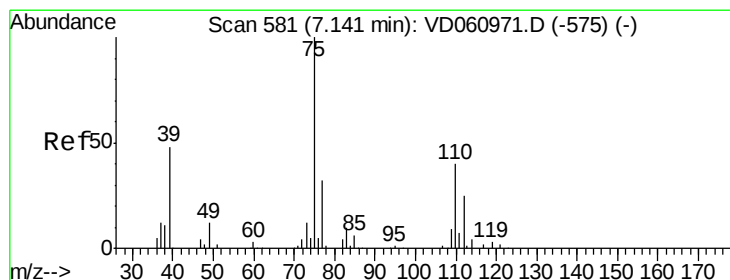
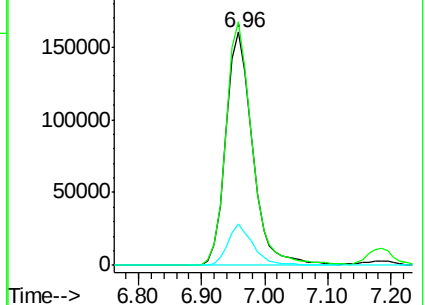
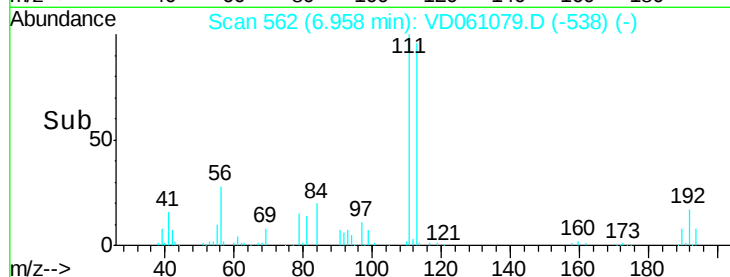
192 17.9 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 46.272 ug/l

RT: 7.18 min Scan# 585

Delta R.T. 0.04 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

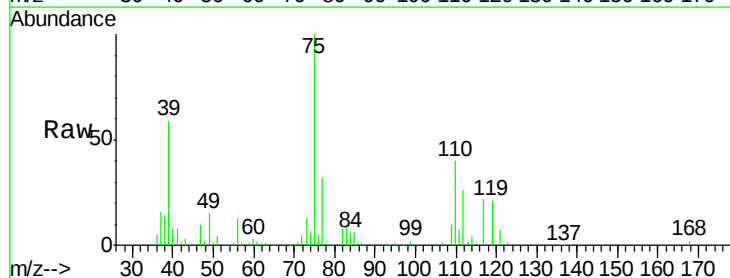
Tgt Ion: 75 Resp: 468567

Ion Ratio Lower Upper

75 100

110 39.8 19.7 59.1

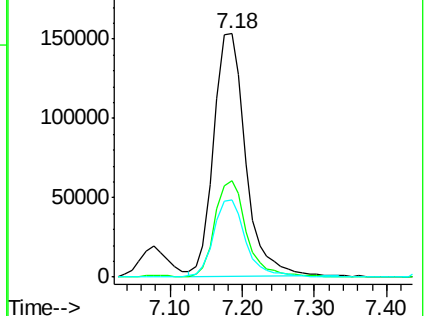
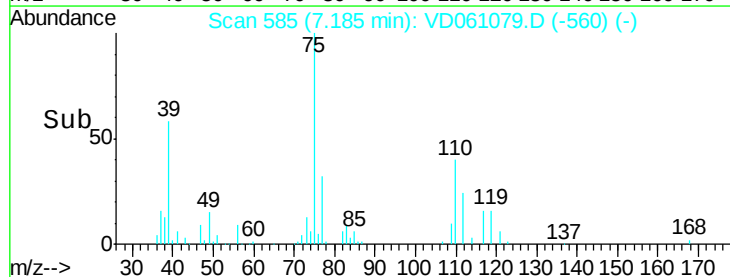
77 31.6 24.7 37.1

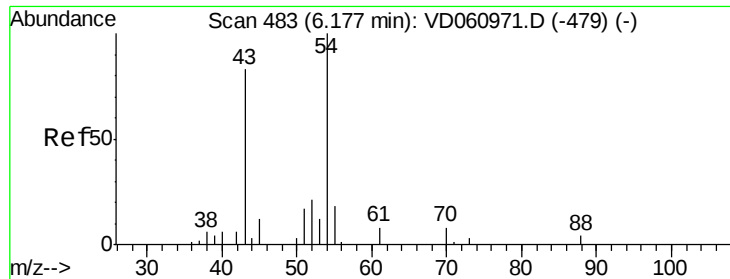


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

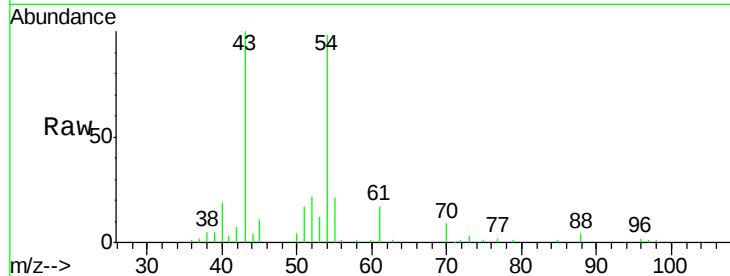




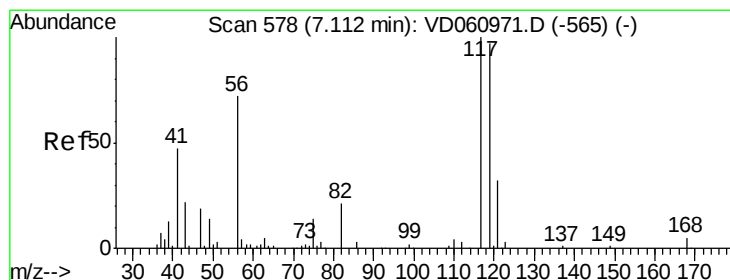
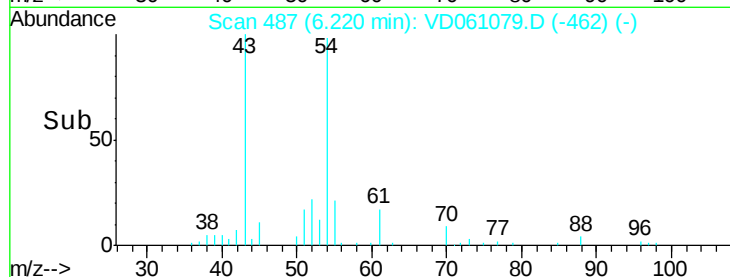
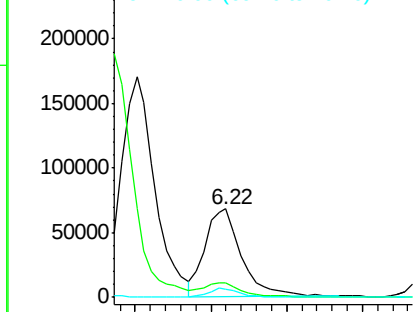
#37
Ethyl Acetate
Concen: 47.614 ug/l
RT: 6.22 min Scan# 487
Delta R.T. 0.04 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 226260
Ion Ratio Lower Upper
43 100
61 16.9 13.7 20.5
70 8.5 7.1 10.7

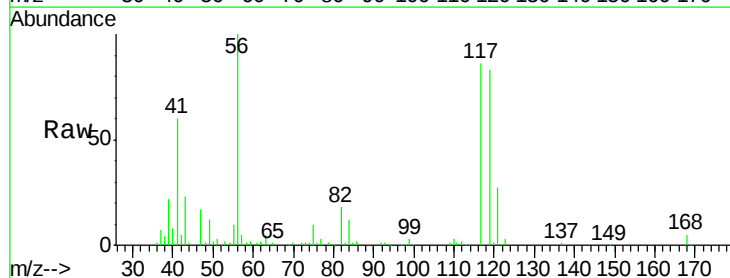


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

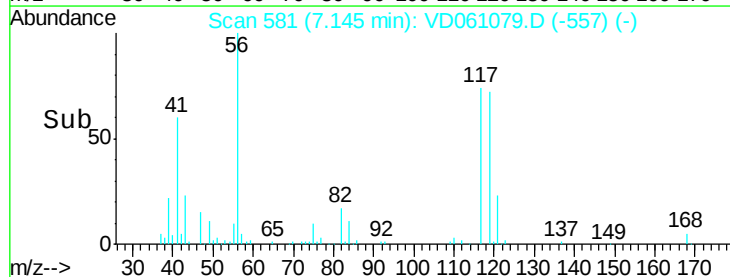
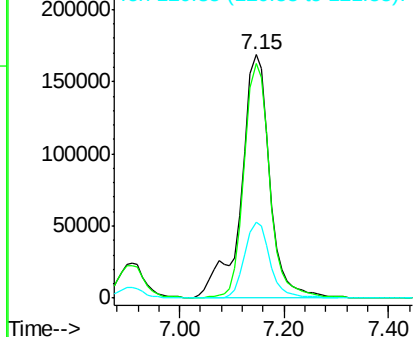


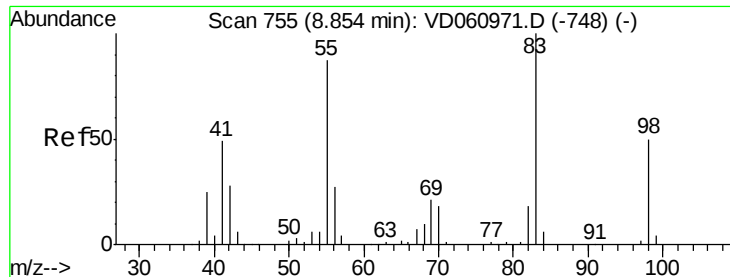
#38
Carbon Tetrachloride
Concen: 55.562 ug/l
RT: 7.15 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 117 Resp: 619767
Ion Ratio Lower Upper
117 100
119 96.4 77.8 116.8
121 31.0 25.3 37.9



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

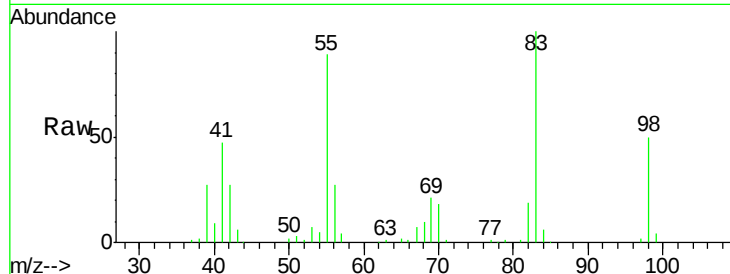




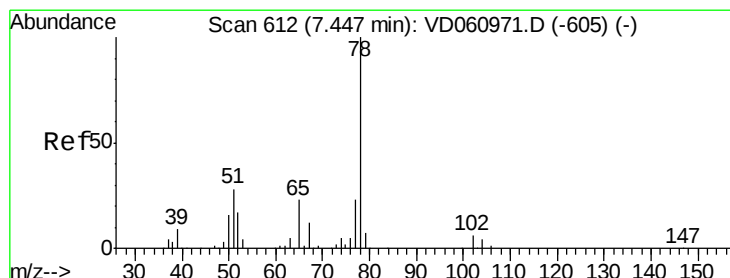
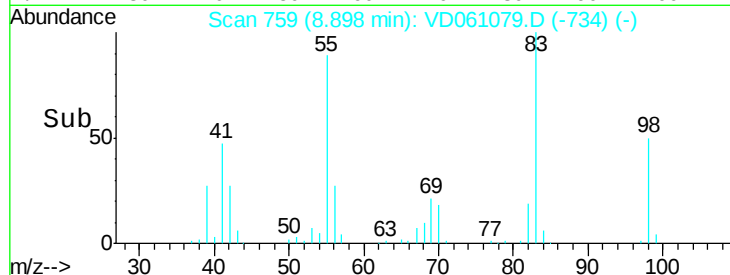
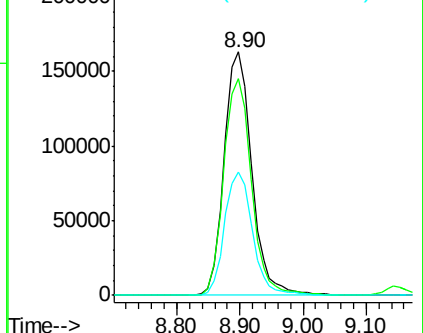
#39
Methvlcvclohexane
Concen: 47.311 ug/l
RT: 8.90 min Scan# 759
Delta R.T. 0.04 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 496775
Ion Ratio Lower Upper
83 100
55 88.8 69.6 104.4
98 50.4 40.0 60.0

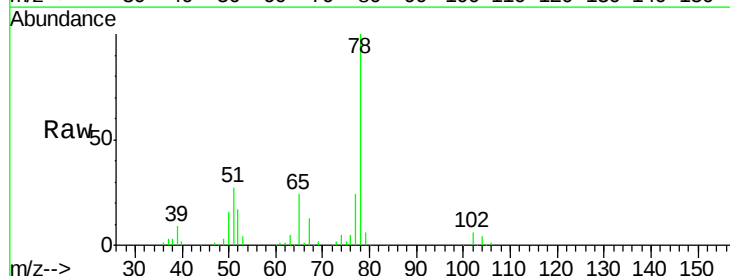


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

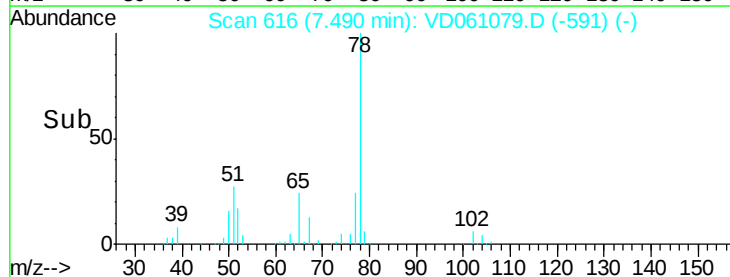
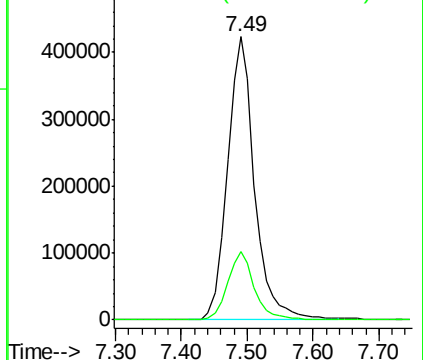


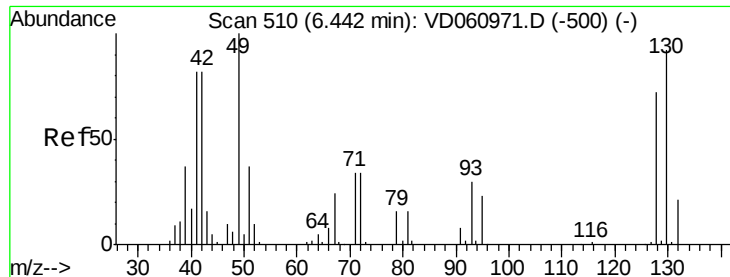
#40
Benzene
Concen: 48.021 ug/l
RT: 7.49 min Scan# 616
Delta R.T. 0.04 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 78 Resp: 1215094
Ion Ratio Lower Upper
78 100
77 24.3 18.8 28.2



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





#41

Methacrylonitrile

Concen: 50.263 ug/l

RT: 6.48 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 274724

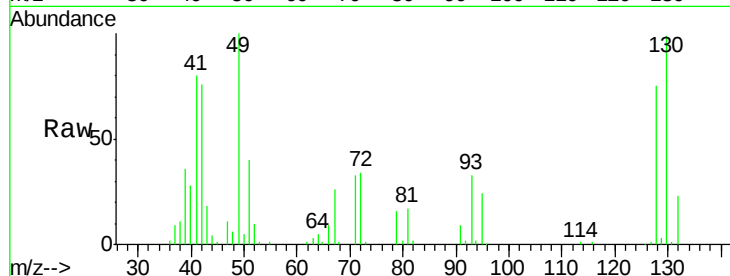
Ion Ratio Lower Upper

41 100

39 45.1 35.7 53.5

67 32.5 23.0 34.6

52 12.3 9.2 13.8

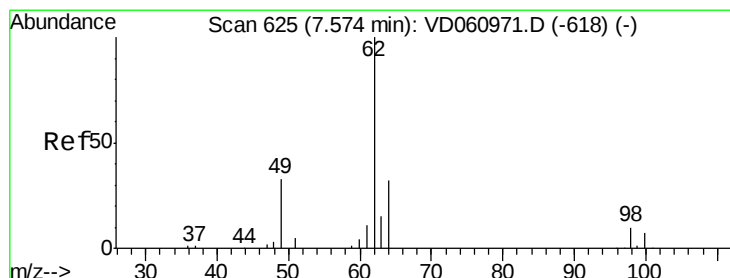
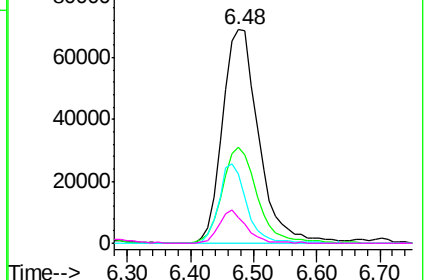
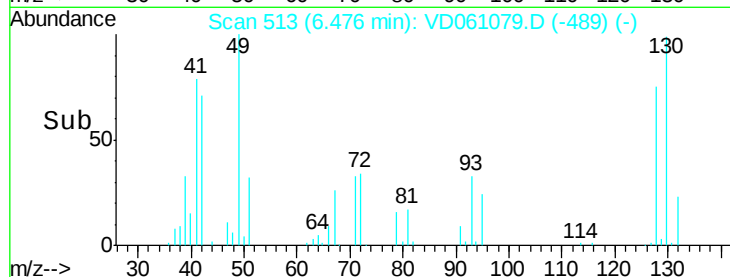


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 54.478 ug/l

RT: 7.61 min Scan# 628

Delta R.T. 0.03 min

Lab File: VD061079.D

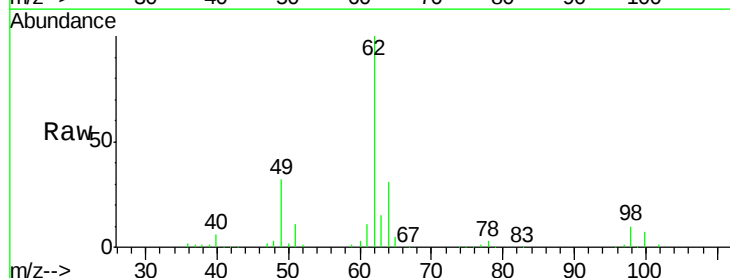
Acq: 15 Mar 2019 11:10

Tgt Ion: 62 Resp: 400023

Ion Ratio Lower Upper

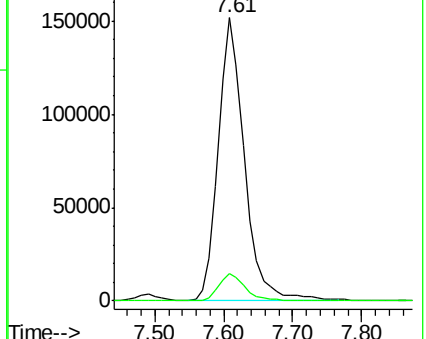
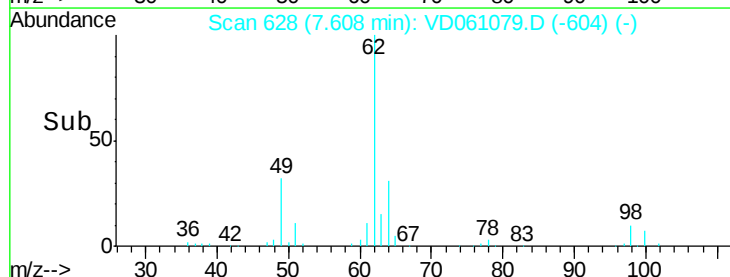
62 100

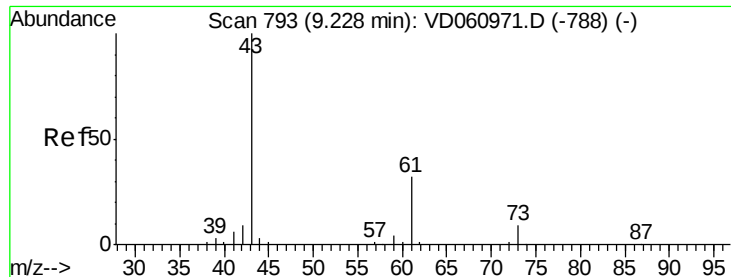
98 9.9 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



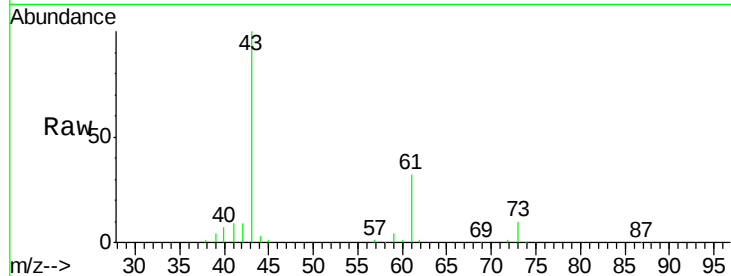


#43

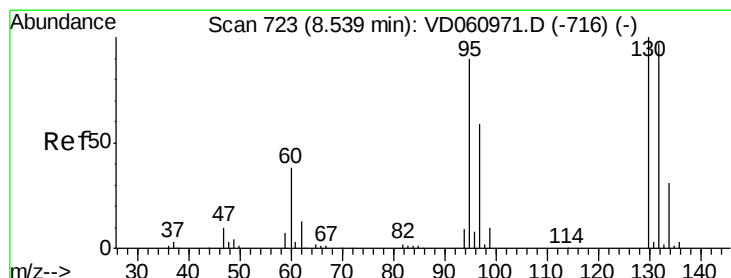
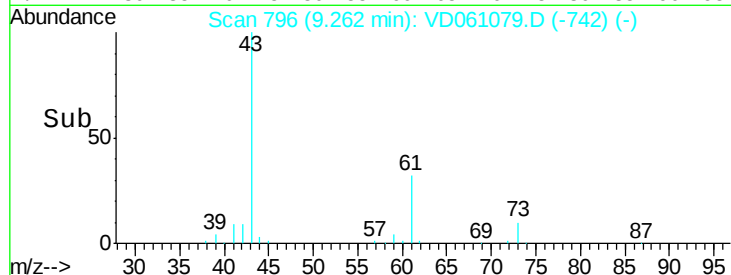
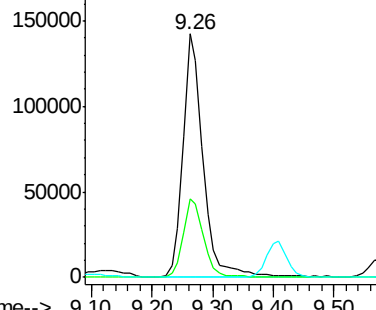
Isopropyl Acetate
 Concen: 50.177 ug/l
 RT: 9.26 min Scan# 796
 Delta R.T. 0.03 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 330247
 Ion Ratio Lower Upper
 43 100
 61 32.1 25.6 38.4
 87 0.3 0.2 0.4



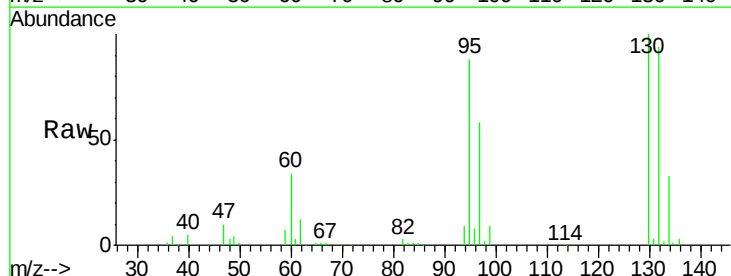
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



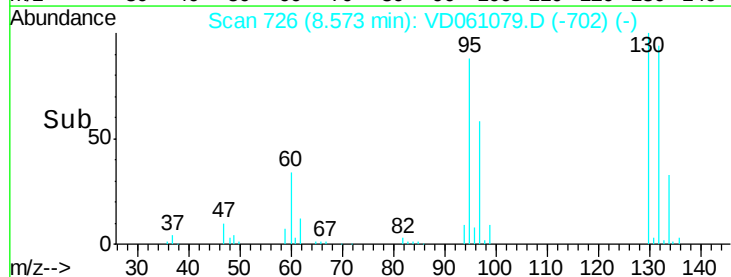
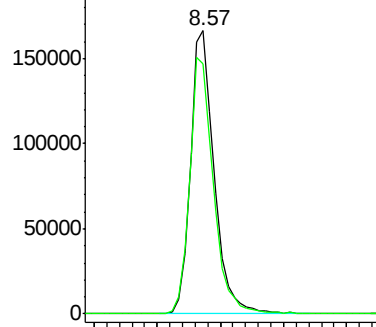
#44

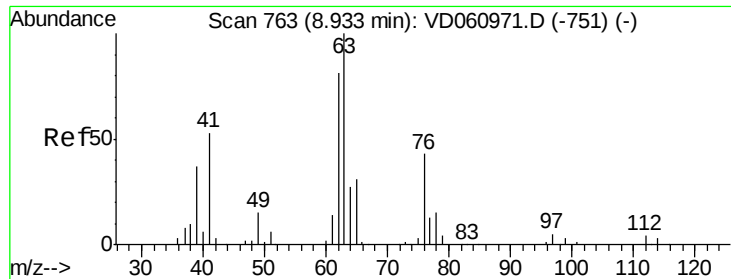
Trichloroethene
 Concen: 49.832 ug/l
 RT: 8.57 min Scan# 726
 Delta R.T. 0.03 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Tgt Ion: 130 Resp: 435002
 Ion Ratio Lower Upper
 130 100
 95 88.4 0.0 179.4



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





#45

1,2-Dichloropropane

Concen: 51.460 ug/l

RT: 8.97 min Scan# 766

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

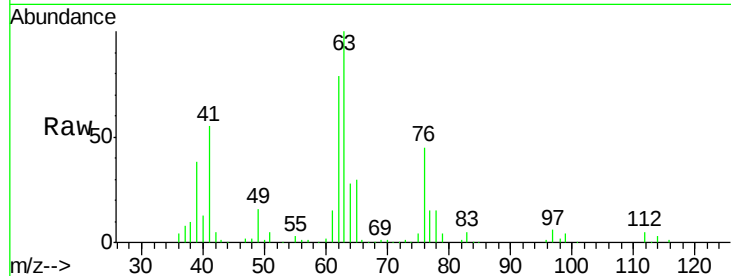
VSTDCCC050

Tot Ion: 63 Resp: 342087

Ion Ratio Lower Upper

63 100

65 30.3 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.97

150000

100000

50000

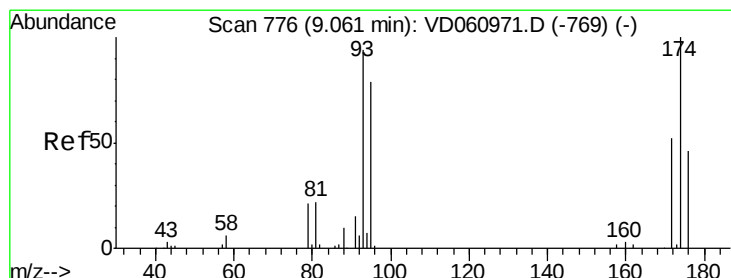
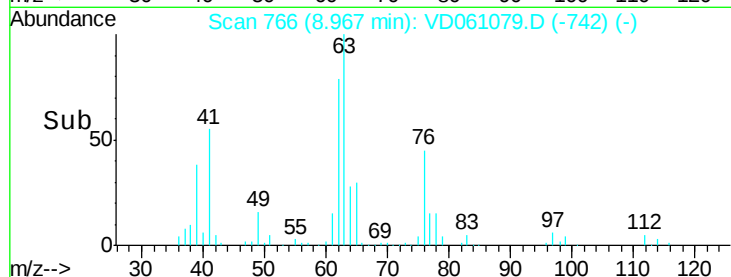
0

Time-->

8.80

9.00

9.20



#46

Dibromomethane

Concen: 52.573 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

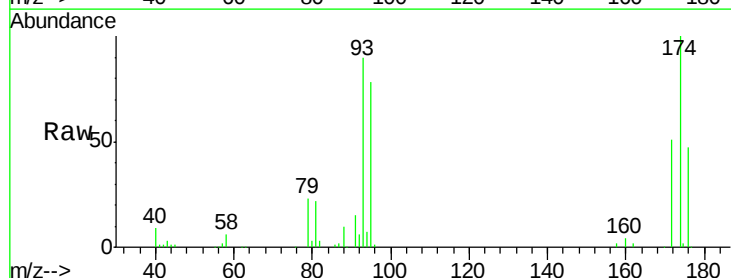
Tgt Ion: 93 Resp: 221691

Ion Ratio Lower Upper

93 100

95 86.6 67.4 101.0

174 111.3 85.4 128.0



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

120000

100000

80000

60000

40000

20000

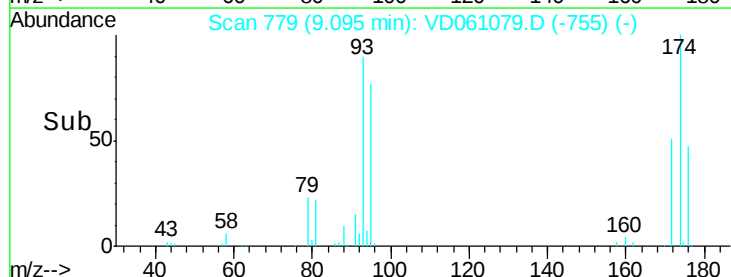
0

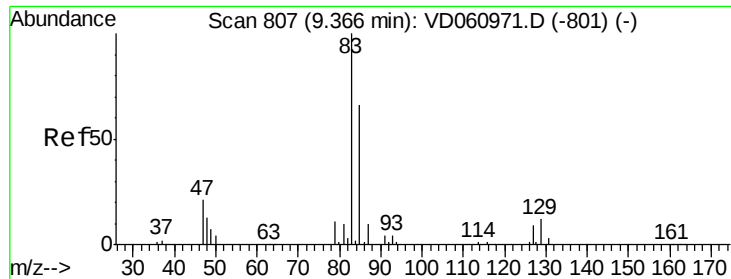
Time-->

9.00

9.10

9.20





#47

Bromodichloromethane

Concen: 53.184 ug/l

RT: 9.41 min Scan# 811

Delta R.T. 0.04 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

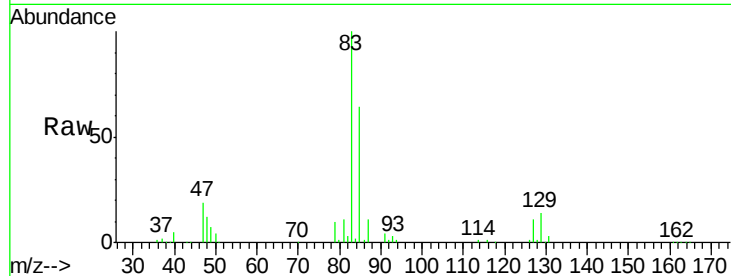
Tot Ion: 83 Resp: 506082

Ion Ratio Lower Upper

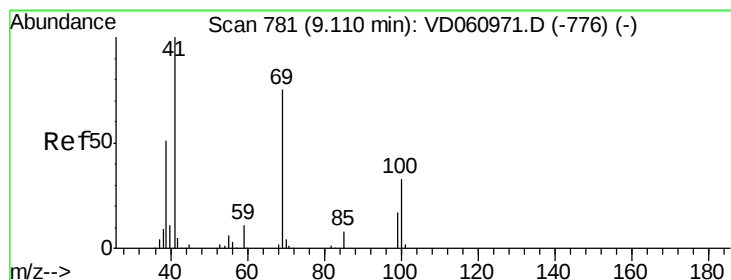
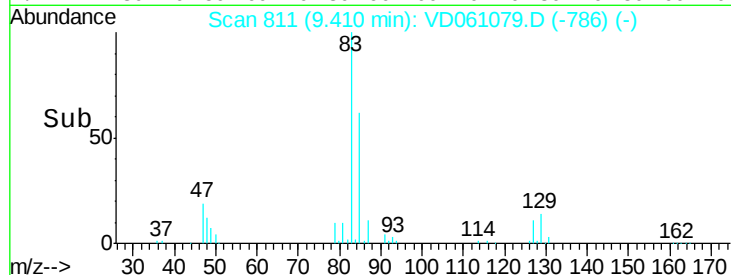
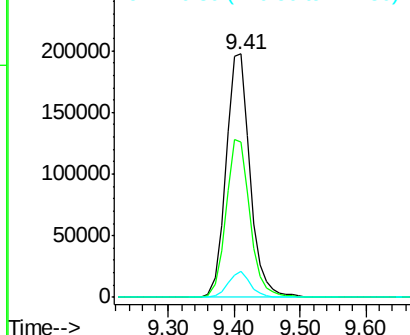
83 100

85 63.7 52.5 78.7

127 10.7 7.5 11.3



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



#48

Methyl methacrylate

Concen: 53.628 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

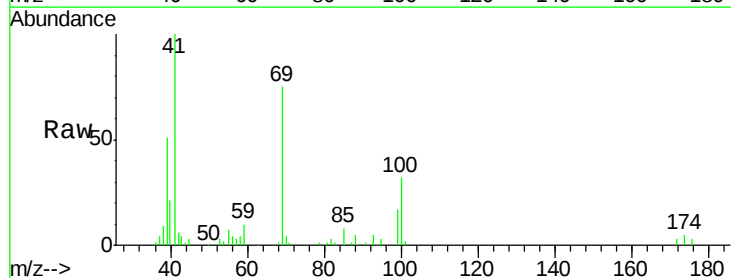
Tgt Ion: 41 Resp: 198729

Ion Ratio Lower Upper

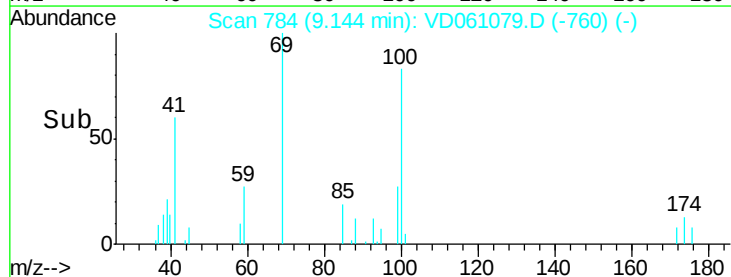
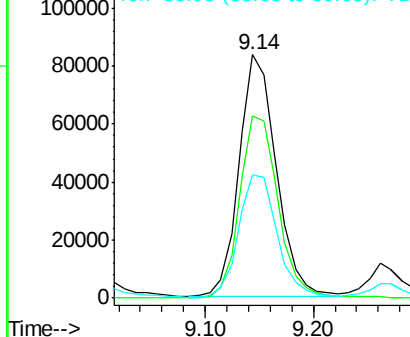
41 100

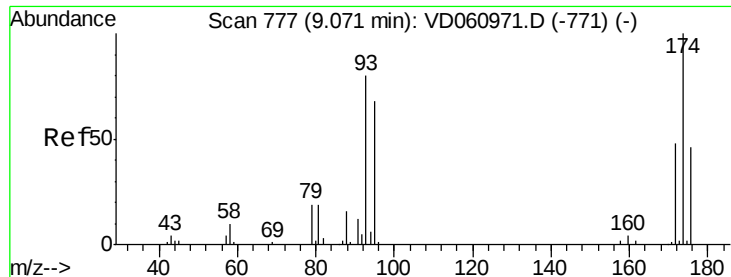
69 74.8 59.9 89.9

39 50.8 40.9 61.3



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

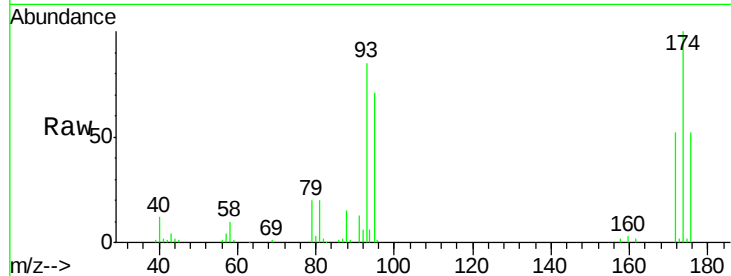




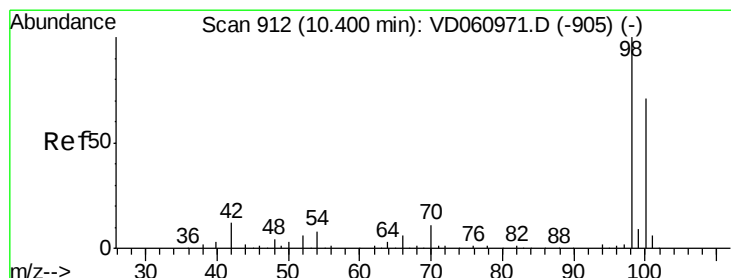
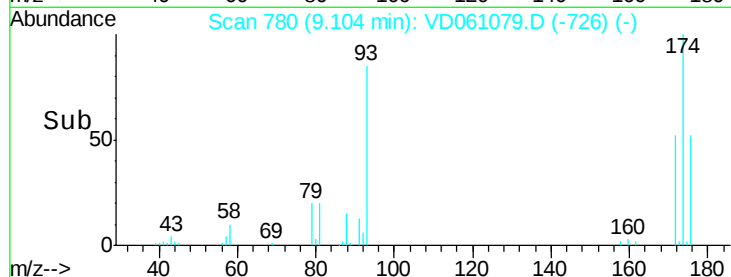
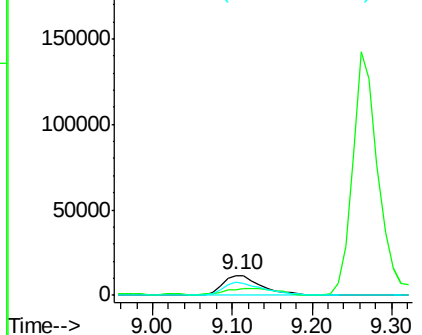
#49
1,4-Dioxane
Concen: 1069.091 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 88 Resp: 40060
Ion Ratio Lower Upper
88 100
43 29.7 21.0 31.6
58 66.5 48.6 72.8

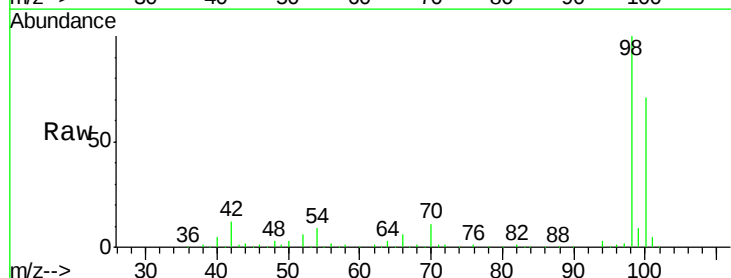


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

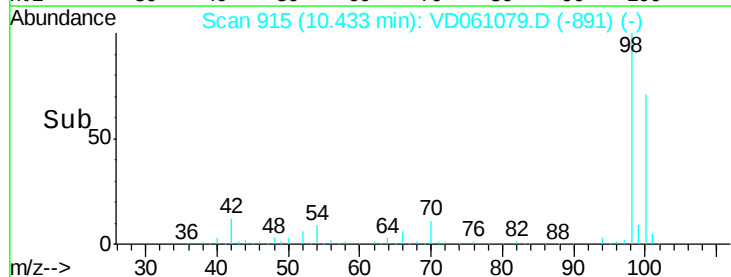
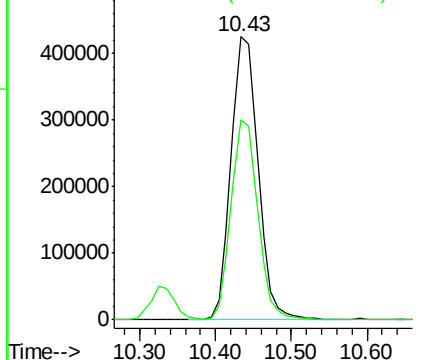


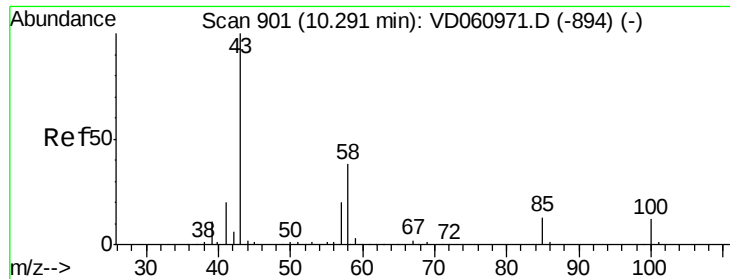
#50
Toluene-d8
Concen: 1069.091 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 98 Resp: 1053977
Ion Ratio Lower Upper
98 100
100 70.9 57.4 86.2



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: 231.552 ug/l

RT: 10.33 min Scan# 904

Delta R.T. 0.03 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

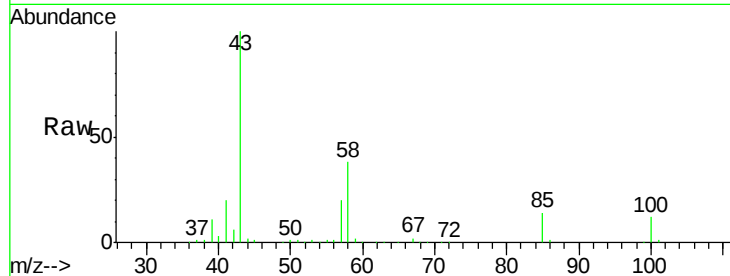
VSTDCCC050

Tot Ion: 43 Resp: 933631

Ion Ratio Lower Upper

43 100

58 37.9 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.33

400000

300000

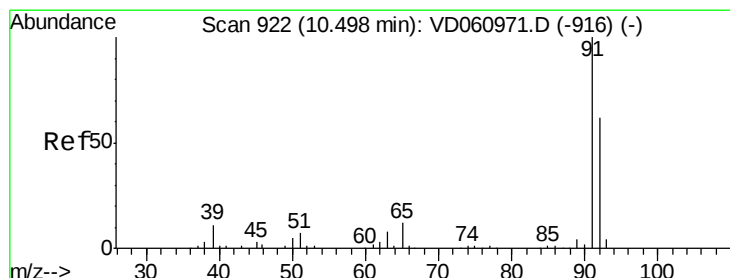
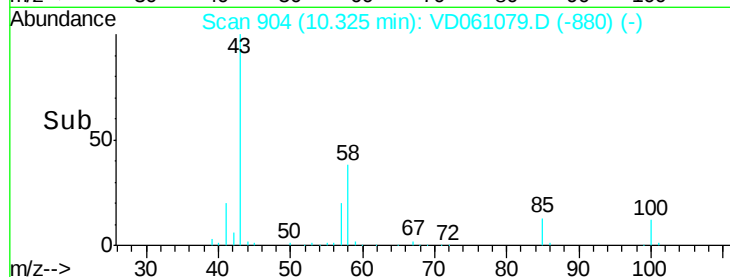
200000

100000

0

Time-->

10.20 10.40



#52

Toluene

Concen: 48.050 ug/l

RT: 10.54 min Scan# 926

Delta R.T. 0.04 min

Lab File: VD061079.D

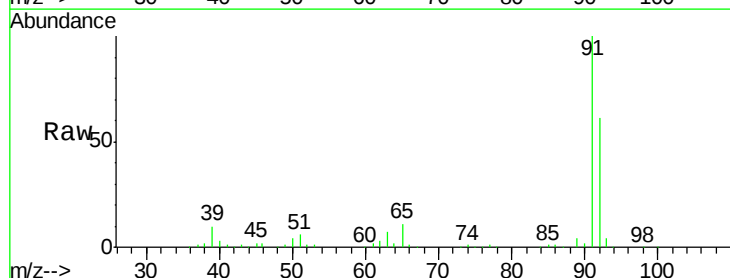
Acq: 15 Mar 2019 11:10

Tgt Ion: 92 Resp: 756041

Ion Ratio Lower Upper

92 100

91 164.2 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.54

600000

500000

400000

300000

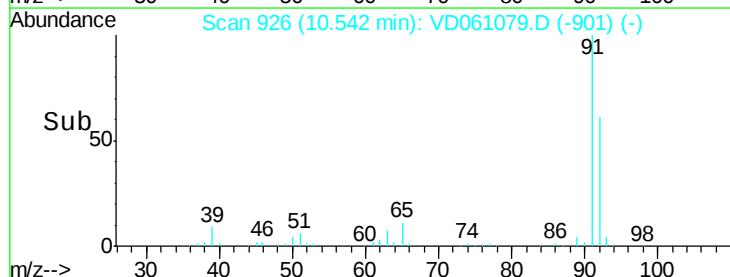
200000

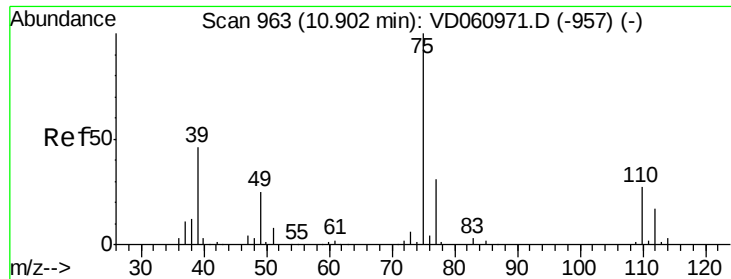
100000

0

Time-->

10.40 10.50 10.60 10.70

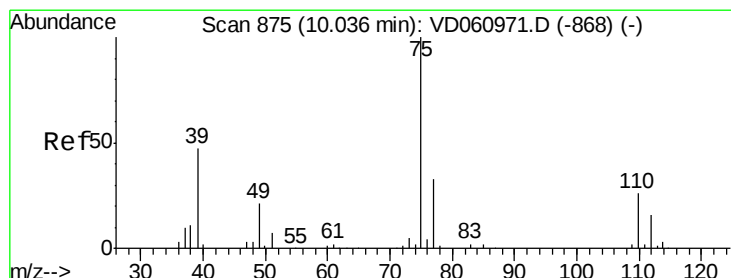
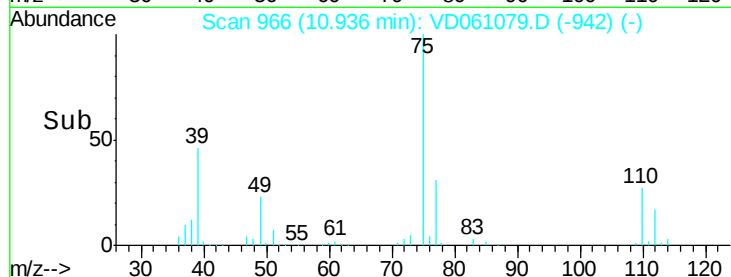
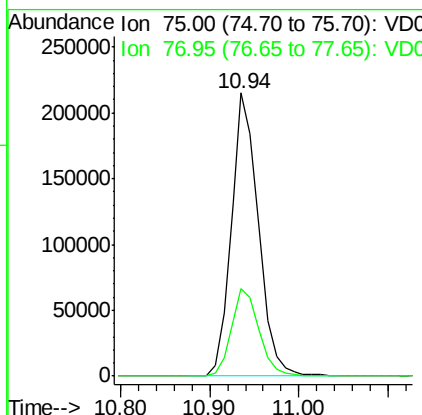
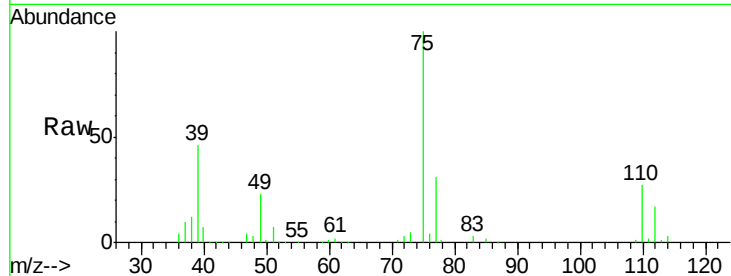




#53
 t-1,3-Dichloropropene
 Concen: 52.579 ug/l
 RT: 10.94 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

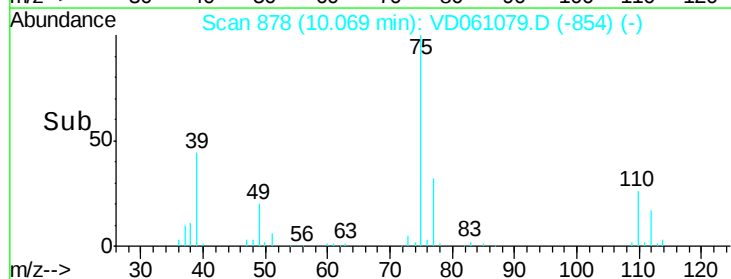
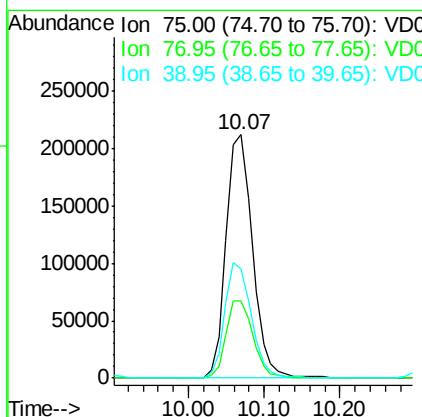
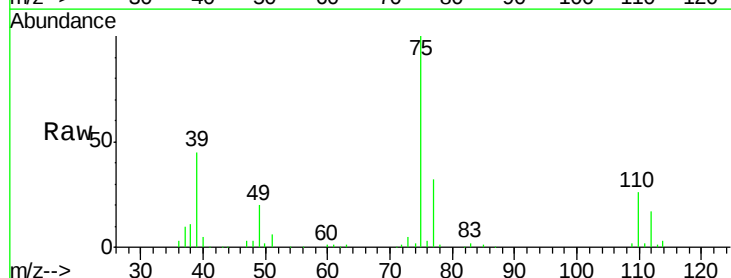
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

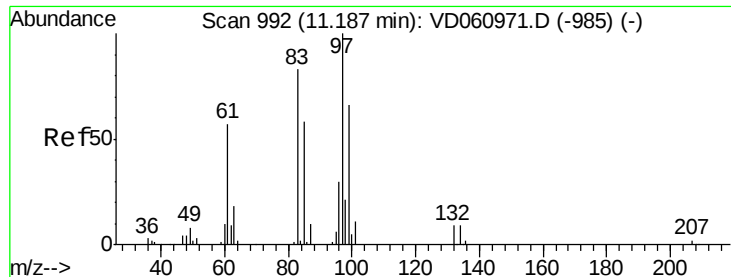
Tot Ion: 75 Resp: 457494
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 49.192 ug/l
 RT: 10.07 min Scan# 878
 Delta R.T. 0.03 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Tgt Ion: 75 Resp: 514279
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.4
 39 44.8 37.8 56.8

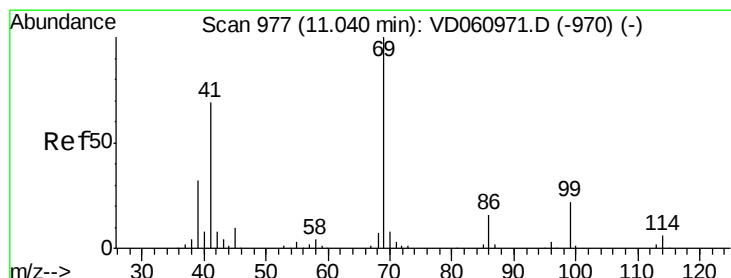
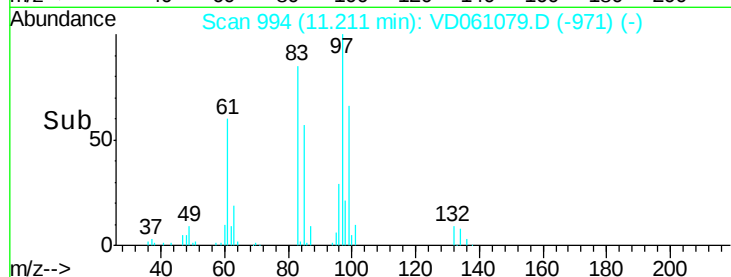
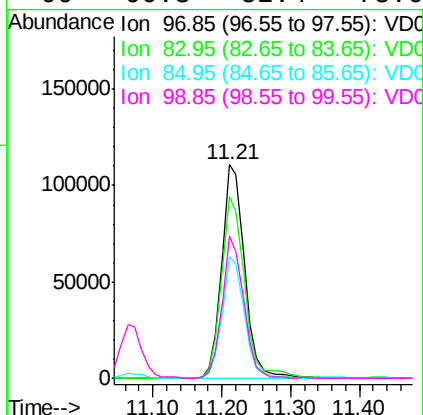
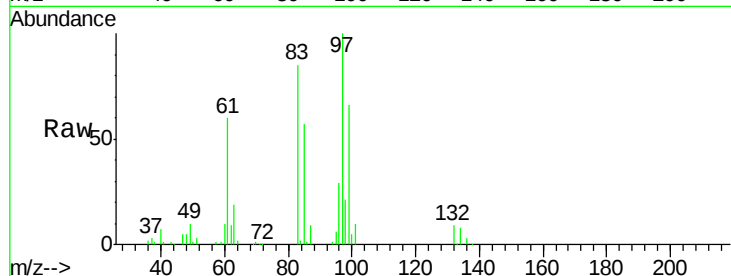




#55
1,1,2-Trichloroethane
Concen: 48.584 ug/l
RT: 11.21 min Scan# 994
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

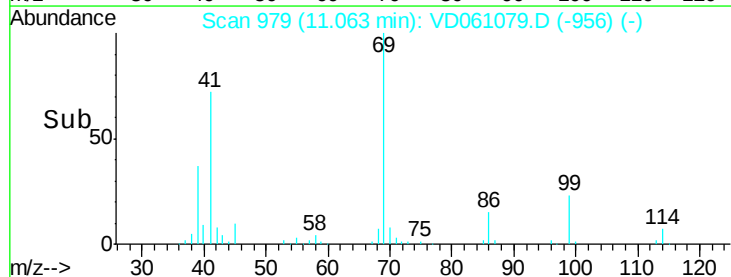
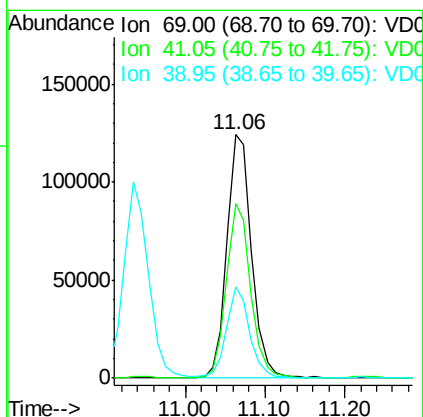
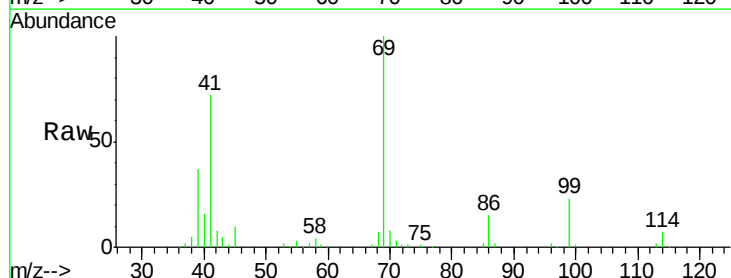
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

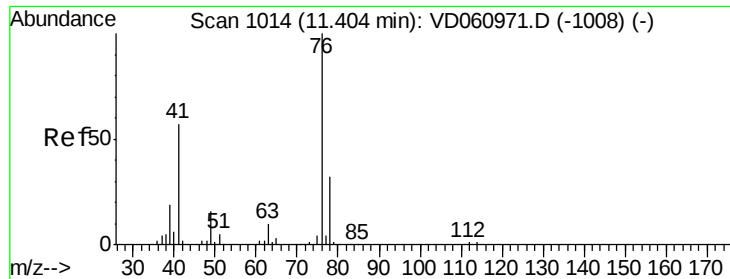
Tot Ion: 97 Resp: 254574
Ion Ratio Lower Upper
97 100
83 85.4 66.6 100.0
85 57.1 46.4 69.6
99 66.3 52.4 78.6



#56
Ethyl methacrylate
Concen: 49.421 ug/l
RT: 11.06 min Scan# 979
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 69 Resp: 271056
Ion Ratio Lower Upper
69 100
41 71.5 55.5 83.3
39 37.4 26.2 39.2

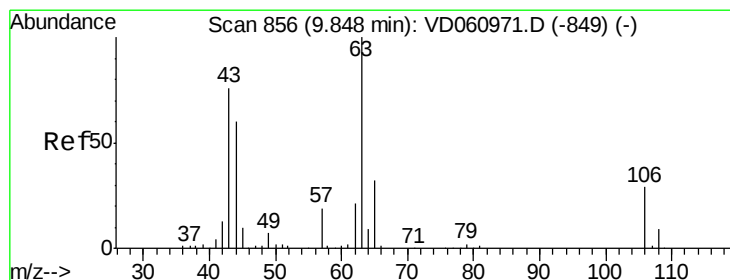
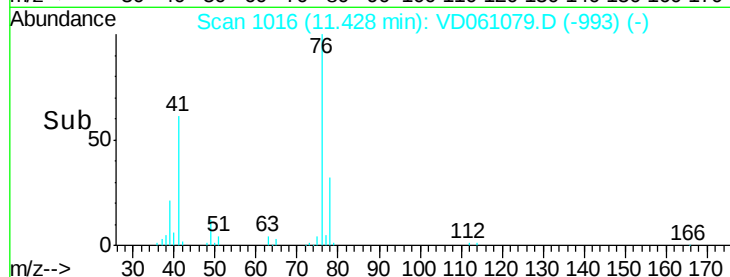
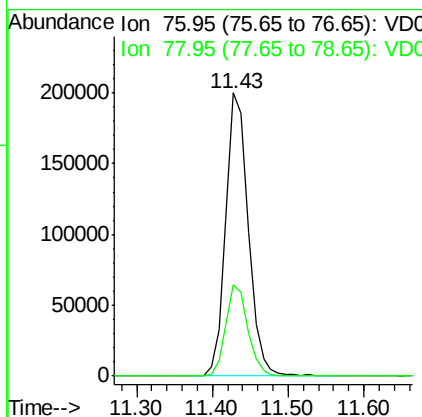
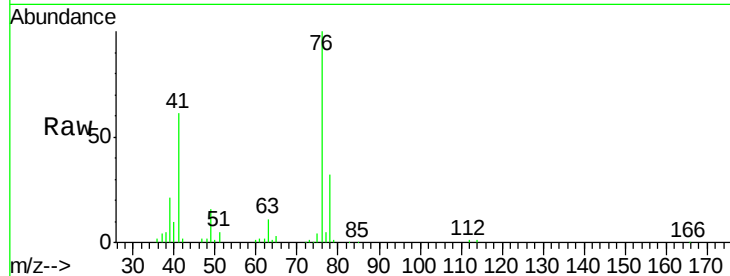




#57
 1,3-Dichloropropane
 Concen: 52.555 ug/l
 RT: 11.43 min Scan# 1016
 Delta R.T. 0.02 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

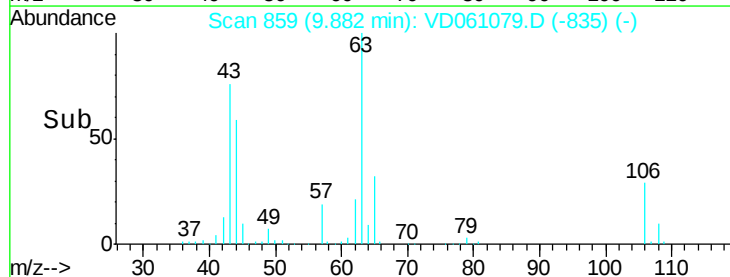
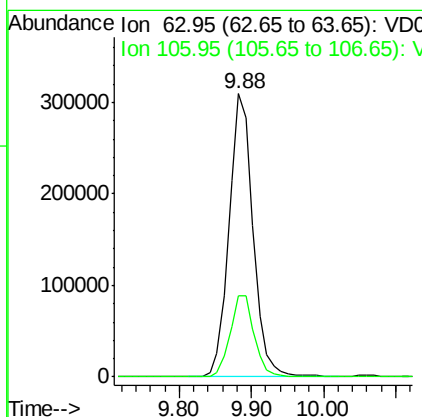
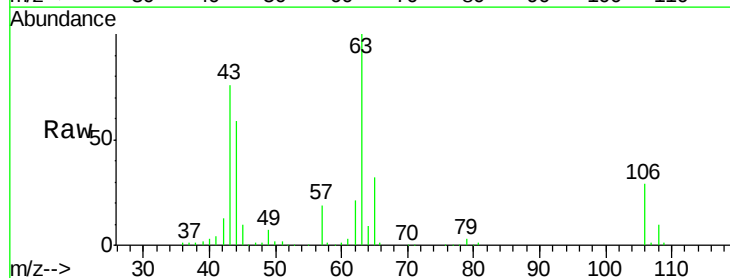
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

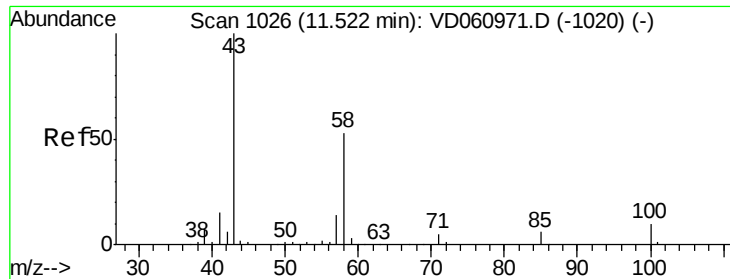
Tot Ion: 76 Resp: 411529
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.906 ug/l
 RT: 9.88 min Scan# 859
 Delta R.T. 0.03 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Tgt Ion: 63 Resp: 716809
 Ion Ratio Lower Upper
 63 100
 106 28.8 22.8 34.2

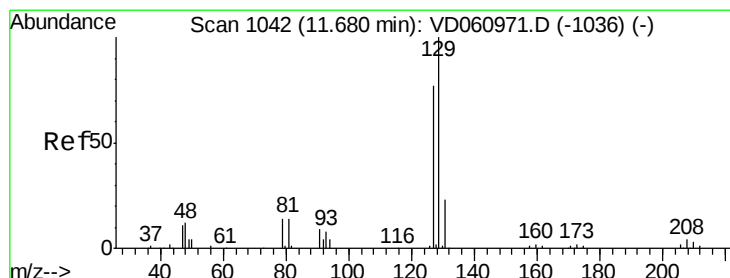
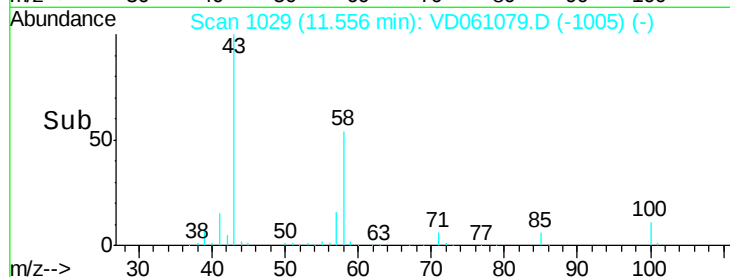
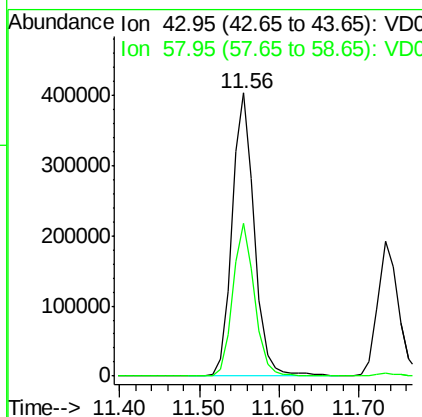
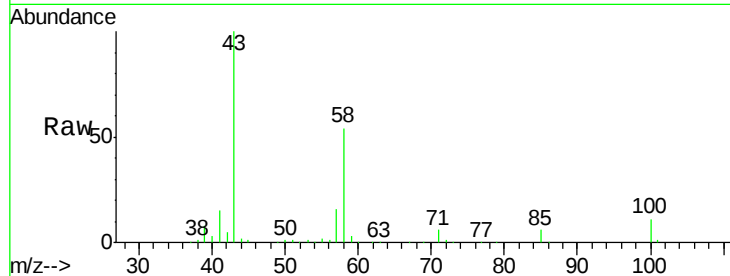




#59
2-Hexanone
Concen: 265.763 ug/l
RT: 11.56 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

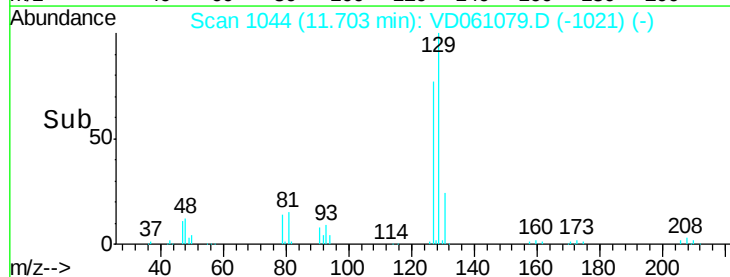
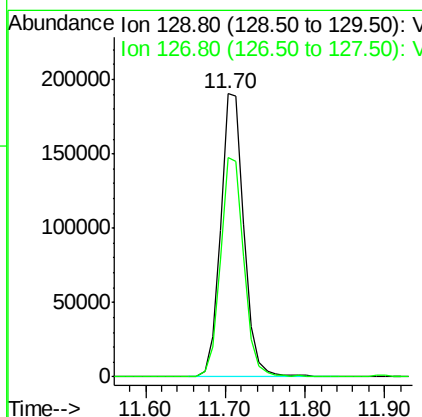
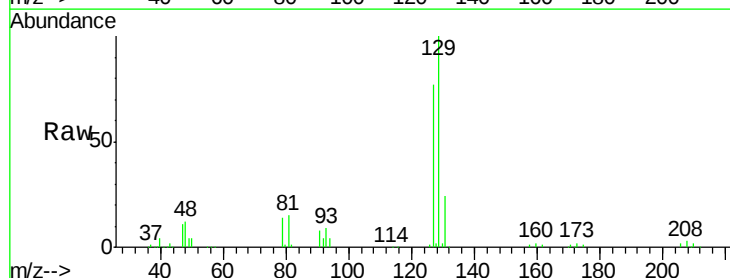
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

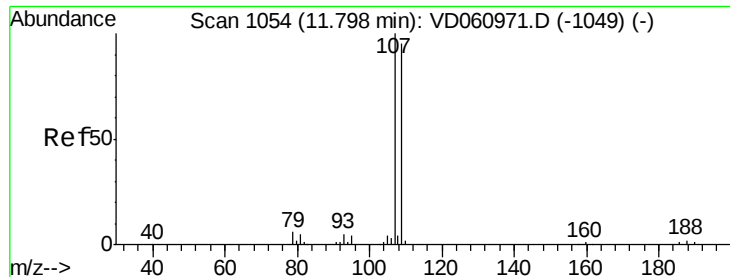
Tot Ion: 43 Resp: 783848
Ion Ratio Lower Upper
43 100
58 54.1 26.5 79.5



#60
Dibromochloromethane
Concen: 51.103 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 129 Resp: 394089
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.9

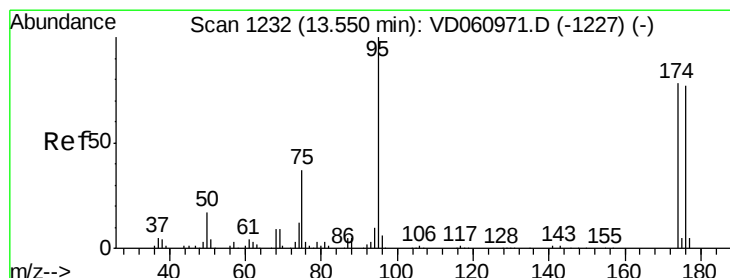
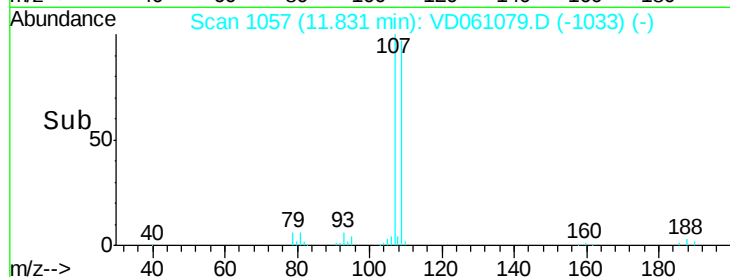
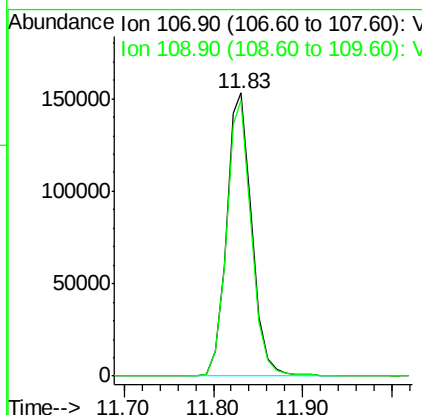
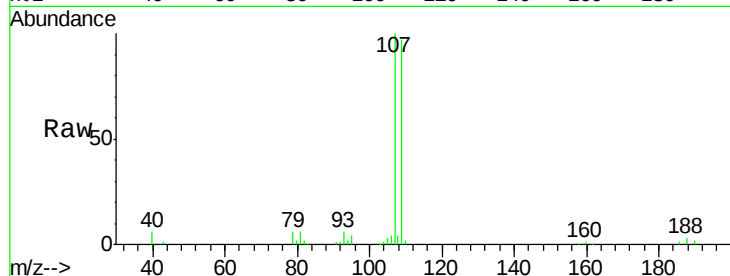




#61
 1,2-Dibromoethane
 Concen: 49.879 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.03 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

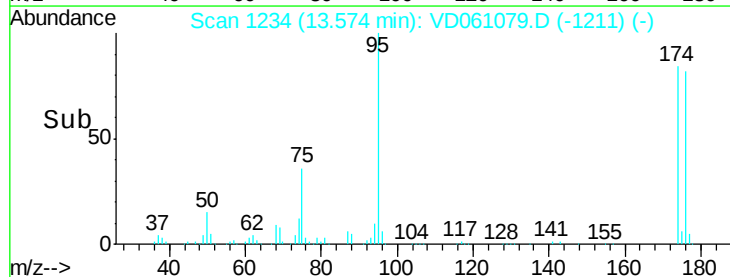
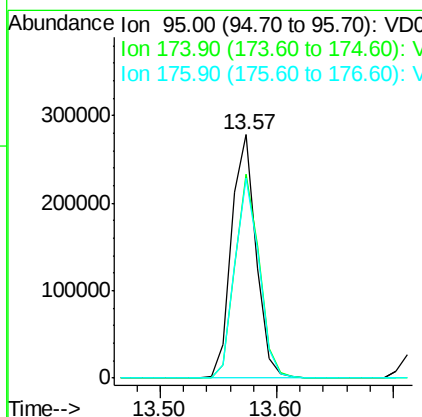
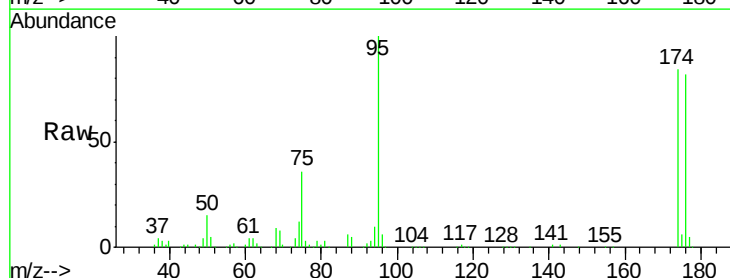
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

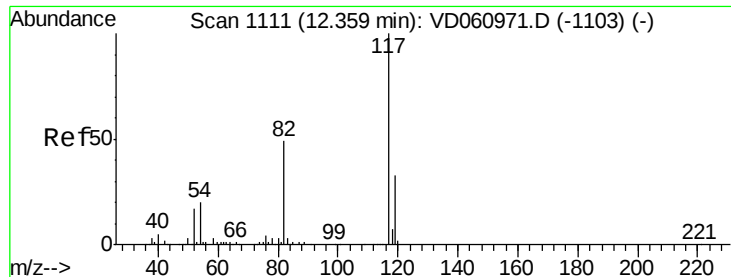
Tot Ion:107 Resp: 304037
 Ion Ratio Lower Upper
 107 100
 109 97.2 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 49.879 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Tgt Ion: 95 Resp: 404787
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 155.6
 176 82.4 0.0 153.8

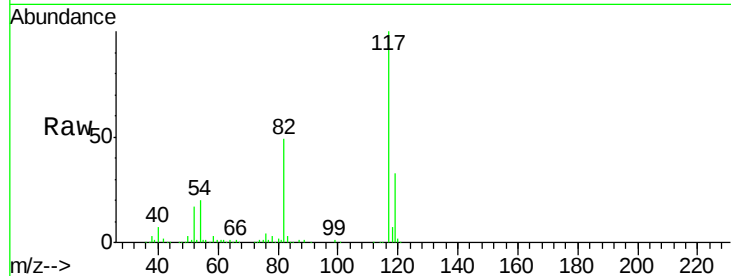




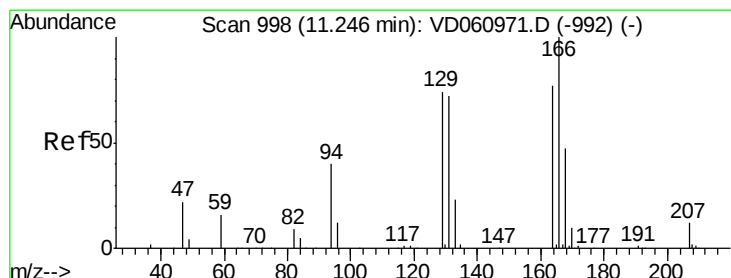
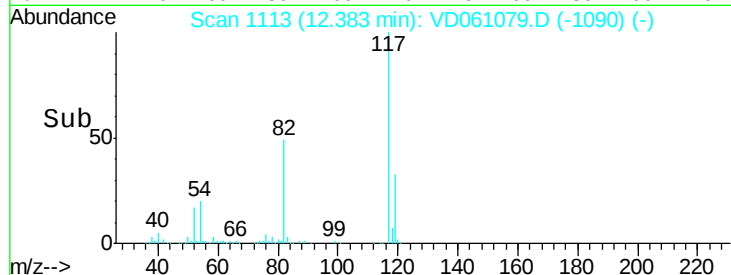
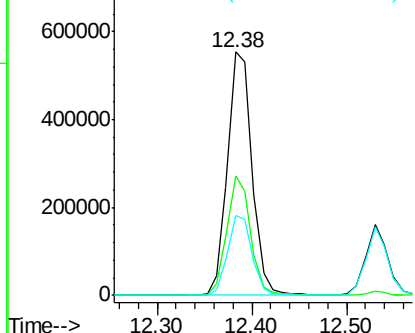
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 998602
Ion Ratio Lower Upper
117 100
82 49.0 38.9 58.3
119 32.8 26.6 39.8

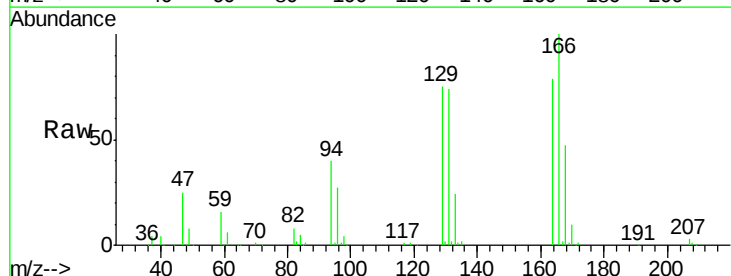


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

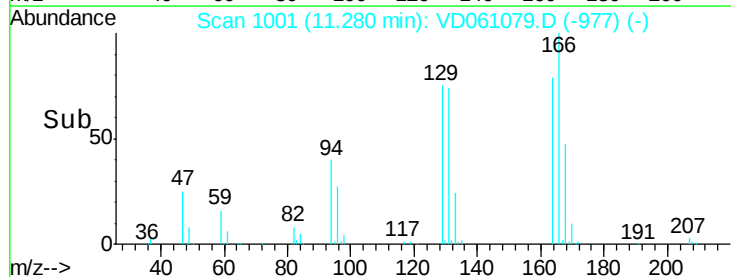
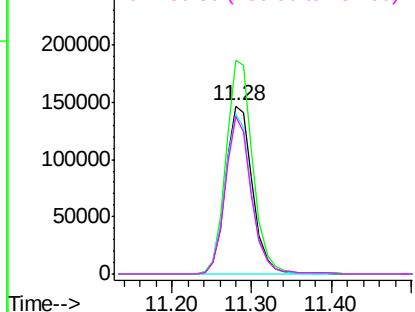


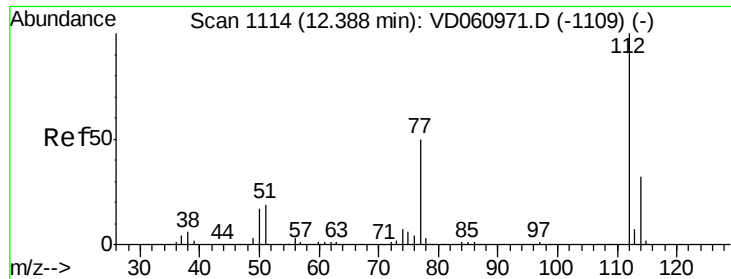
#64
Tetrachloroethene
Concen: 51.314 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion:164 Resp: 345906
Ion Ratio Lower Upper
164 100
166 127.1 103.4 155.0
129 95.5 76.9 115.3
131 93.5 74.4 111.6



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

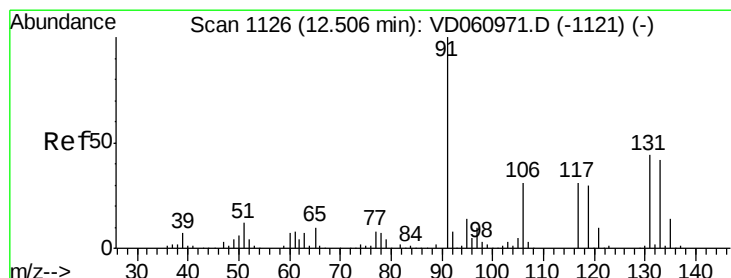
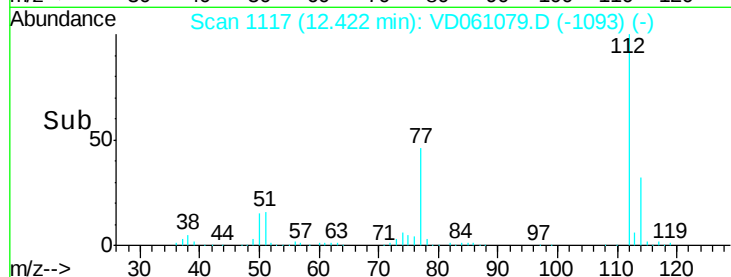
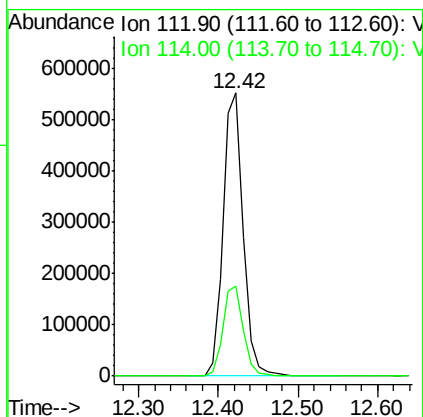
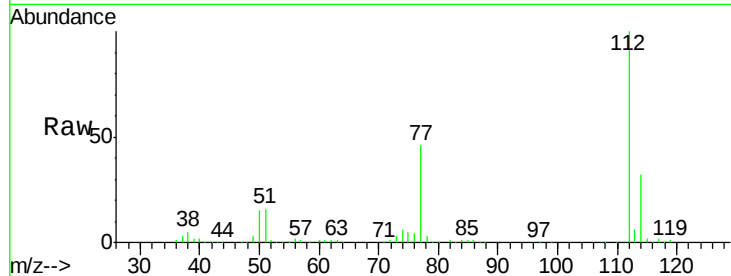




#65
Chlorobenzene
Concen: 49.886 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

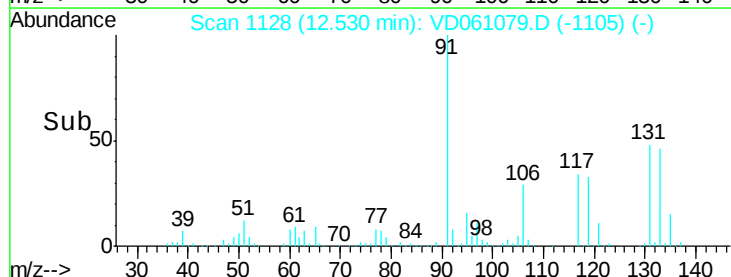
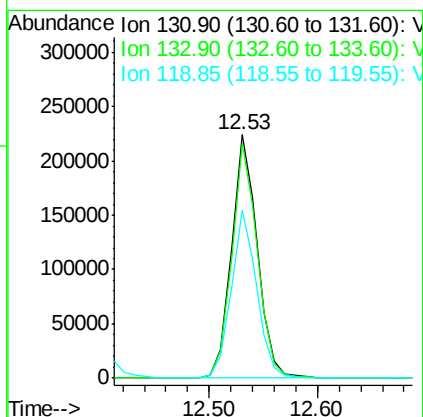
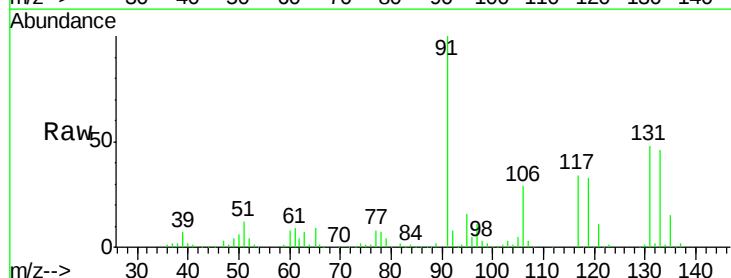
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

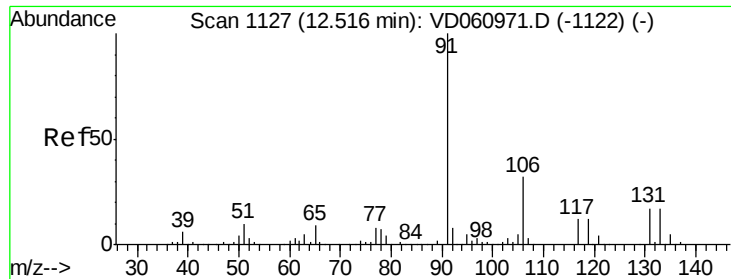
Tot Ion:112 Resp: 976603
Ion Ratio Lower Upper
112 100
114 31.7 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 52.953 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion:131 Resp: 369515
Ion Ratio Lower Upper
131 100
133 96.4 47.8 143.3
119 69.2 34.3 102.9

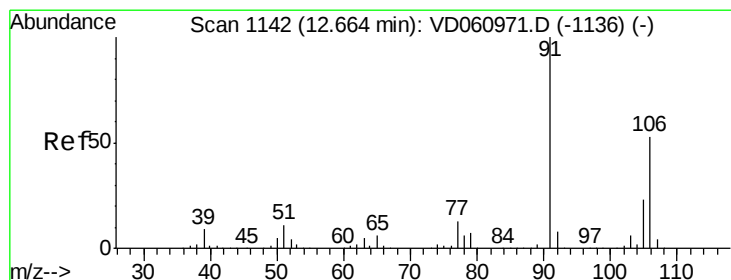
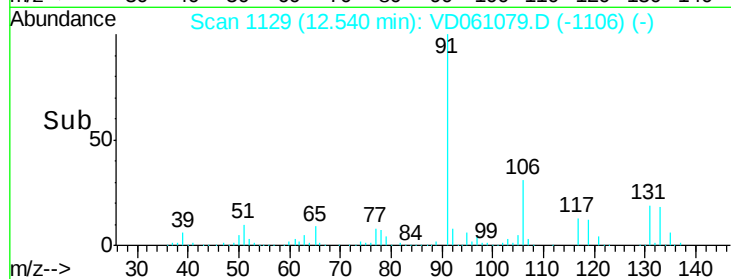
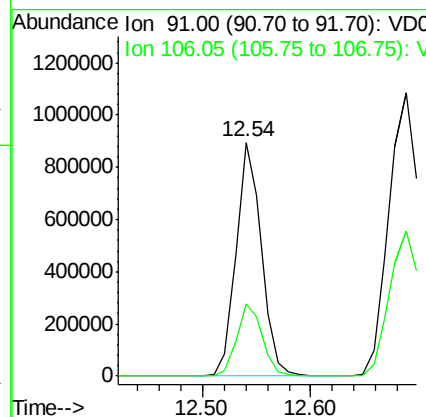
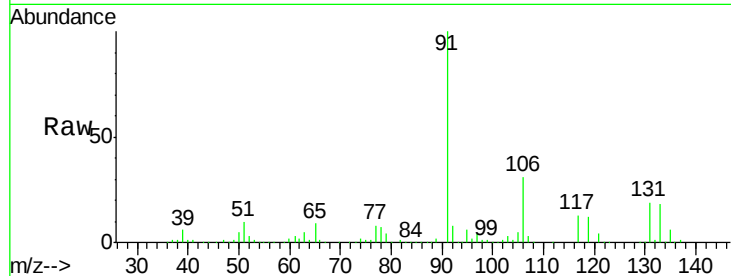




#67
Ethyl Benzene
Concen: 50.071 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

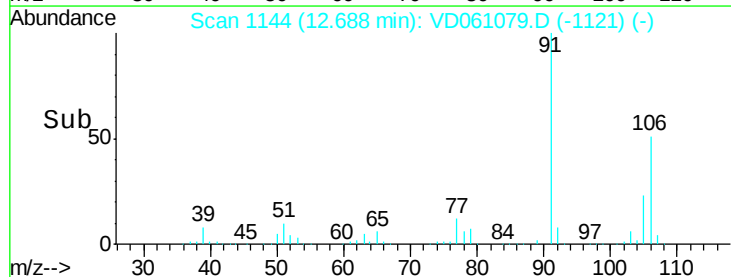
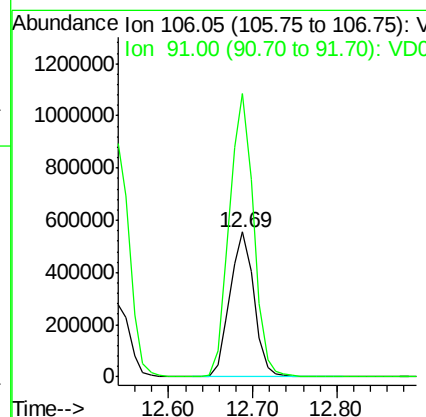
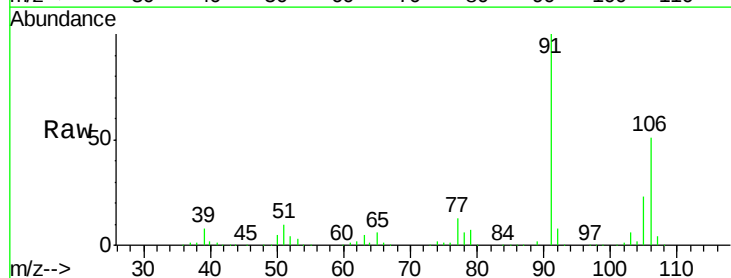
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

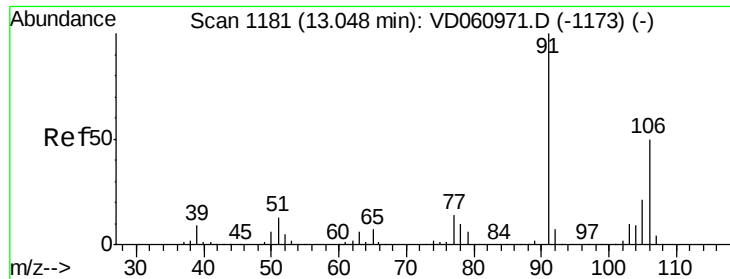
Tot Ion: 91 Resp: 1459328
Ion Ratio Lower Upper
91 100
106 31.0 25.7 38.5



#68
m/p-Xylenes
Concen: 96.177 ug/l
RT: 12.69 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 106 Resp: 1100192
Ion Ratio Lower Upper
106 100
91 195.5 152.0 228.0

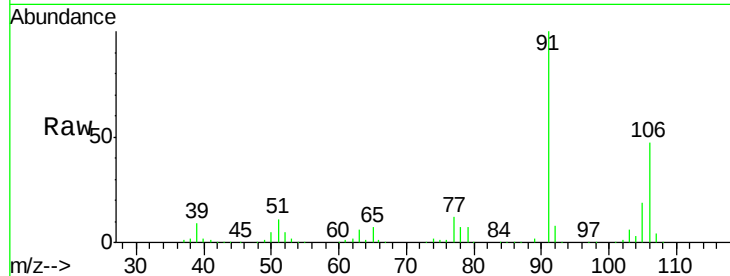




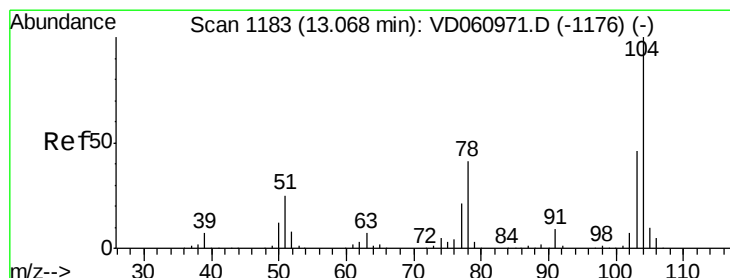
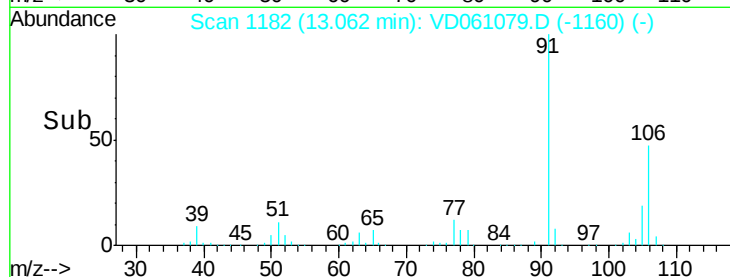
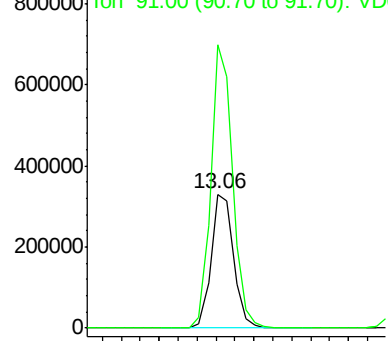
#69
o-Xylene
Concen: 48.036 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 540138
Ion Ratio Lower Upper
106 100
91 211.4 99.8 299.3

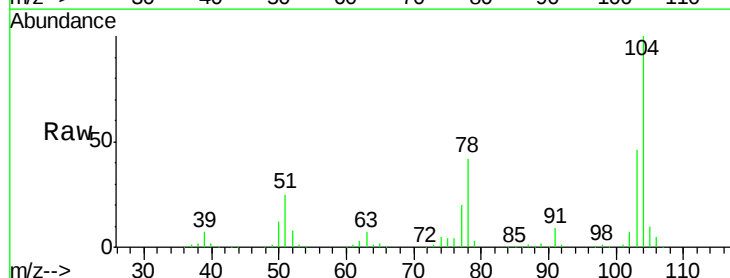


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

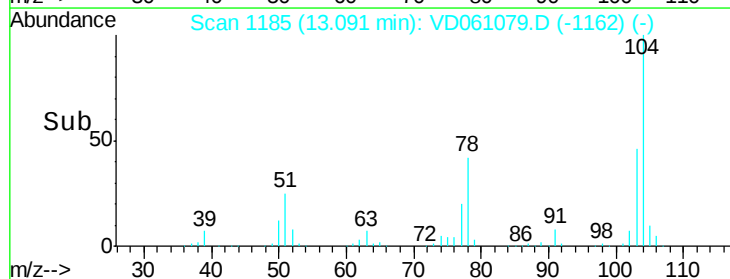
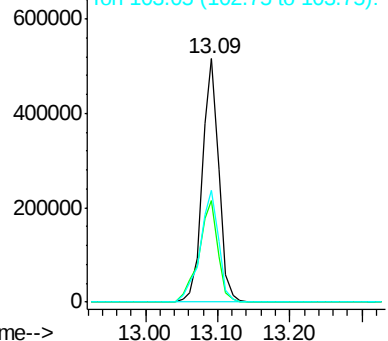


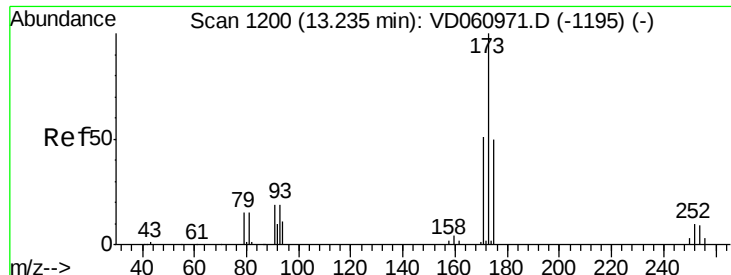
#70
Styrene
Concen: 44.264 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion:104 Resp: 812727
Ion Ratio Lower Upper
104 100
78 41.7 33.0 49.4
103 46.0 37.1 55.7



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: 51.815 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

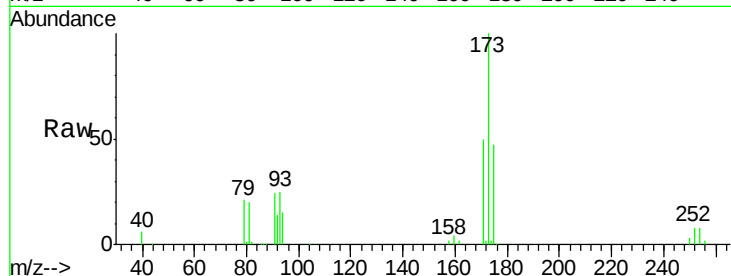
Tot Ion:173 Resp: 233256

Ion Ratio Lower Upper

173 100

175 47.1 24.9 74.8

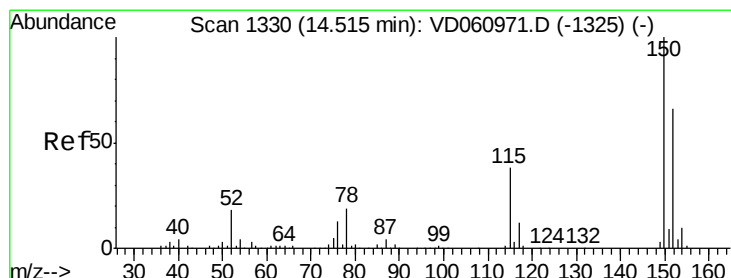
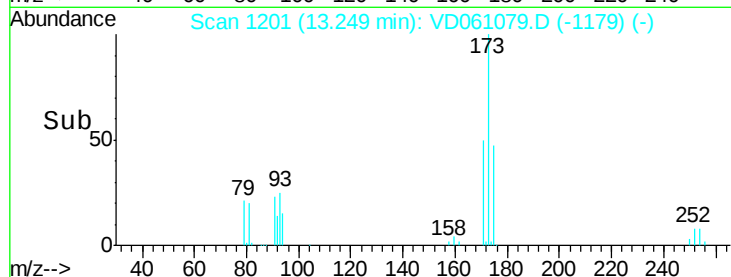
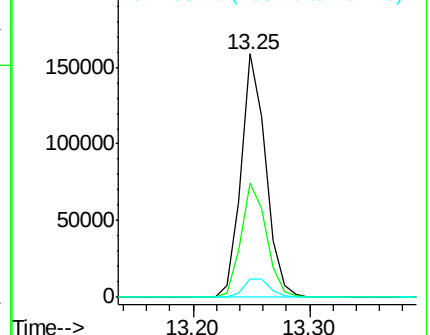
254 7.8 7.3 10.9



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: 14.54 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

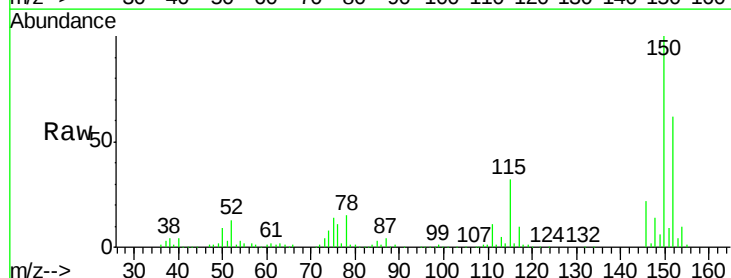
Tgt Ion:152 Resp: 460977

Ion Ratio Lower Upper

152 100

115 51.7 28.6 85.9

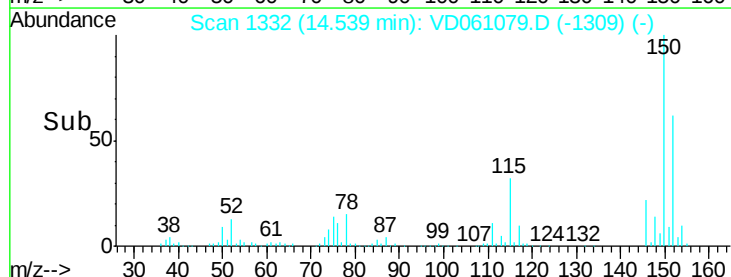
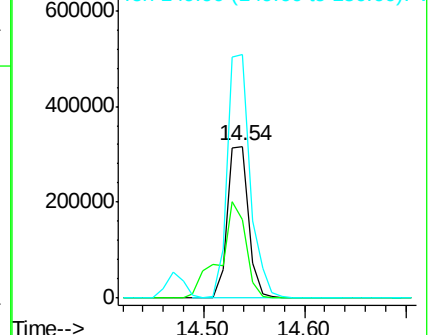
150 160.2 0.0 310.6

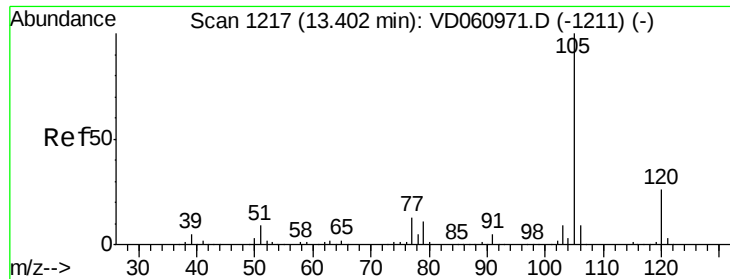


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 42.631 ug/l

RT: 13.42 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

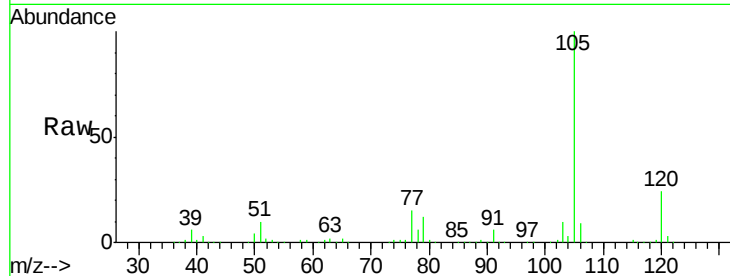
VSTDCCC050

Tot Ion:105 Resp: 1416263

Ion Ratio Lower Upper

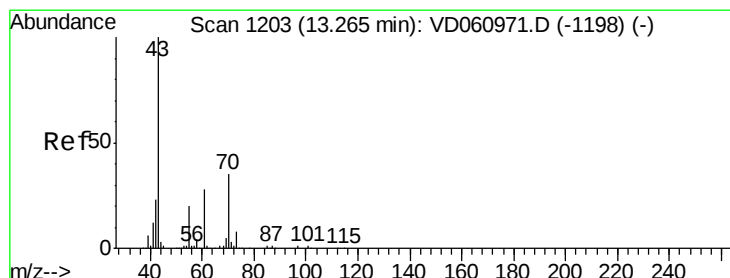
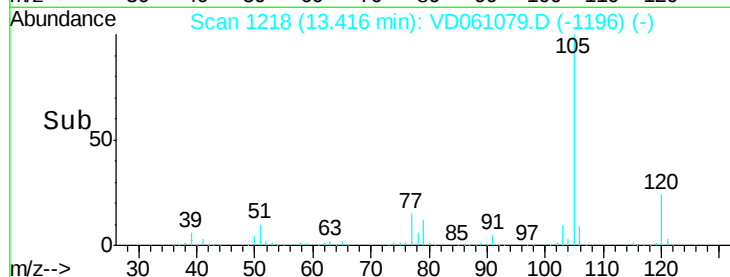
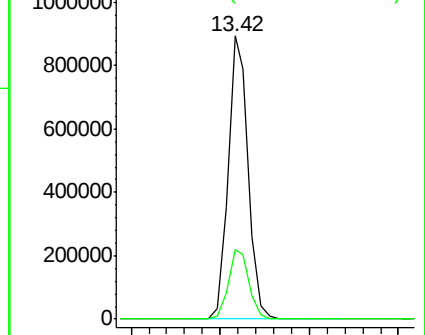
105 100

120 24.4 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 44.165 ug/l

RT: 13.28 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Tgt Ion: 43 Resp: 413137

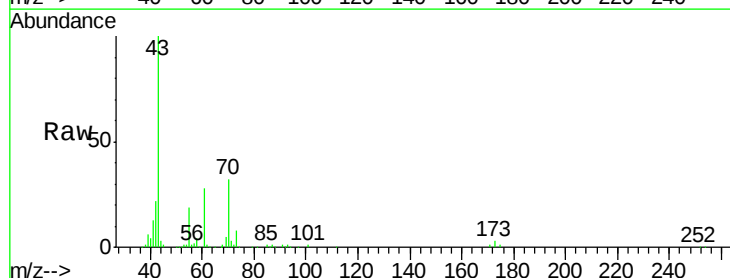
Ion Ratio Lower Upper

43 100

70 31.7 27.7 41.5

55 18.6 16.2 24.2

61 27.9 22.3 33.5

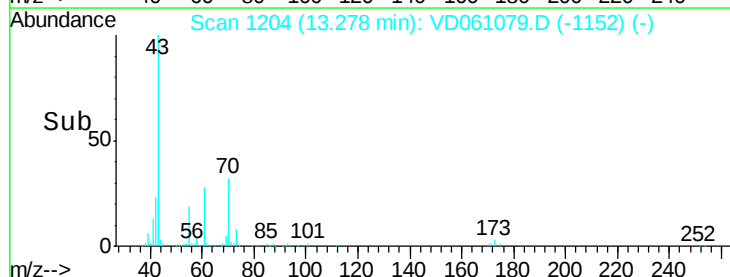
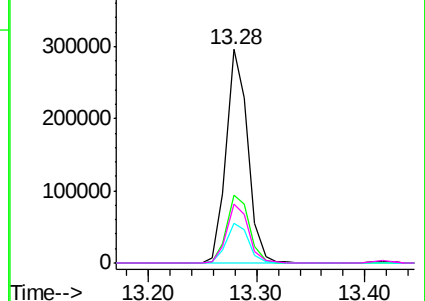


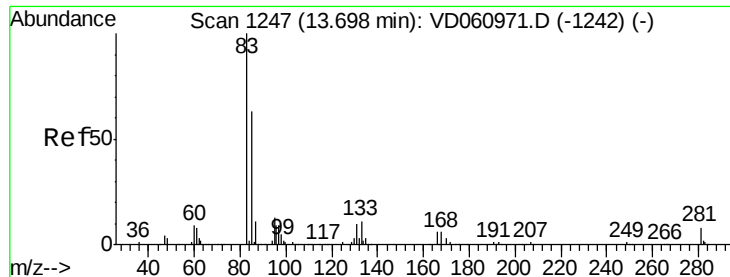
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 45.124 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

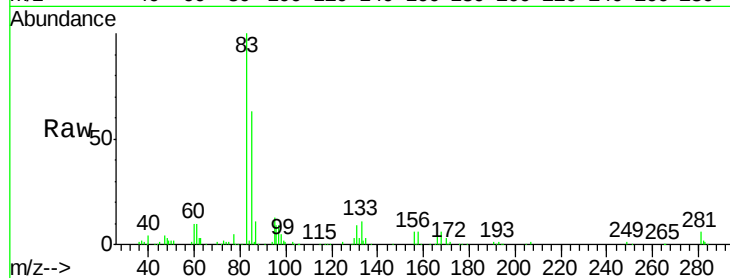
Tot Ion: 83 Resp: 292479

Ion Ratio Lower Upper

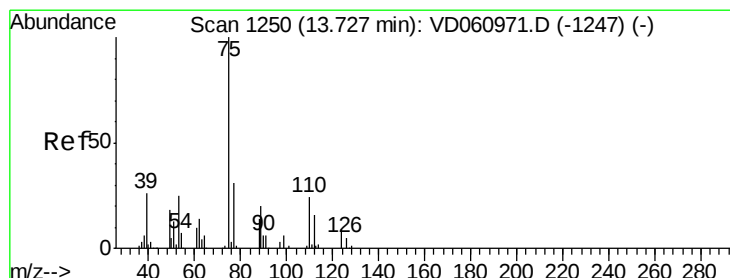
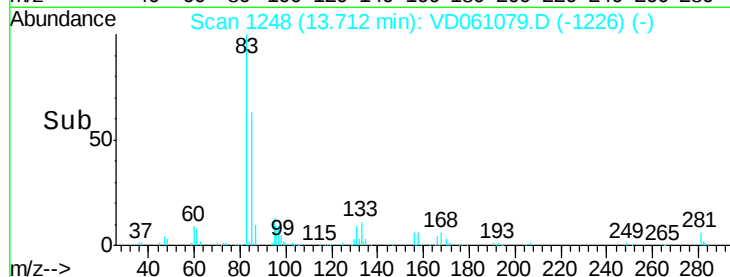
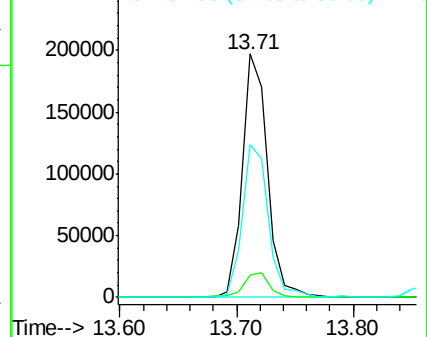
83 100

131 8.9 5.1 15.3

85 62.6 31.5 94.5



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: 46.806 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD061079.D

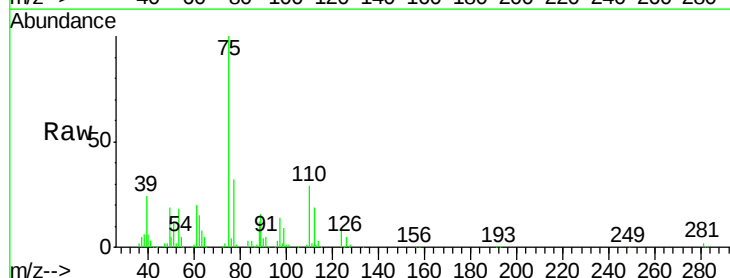
Acq: 15 Mar 2019 11:10

Tgt Ion: 75 Resp: 310418

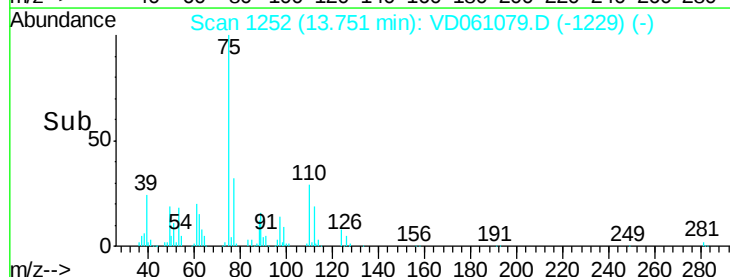
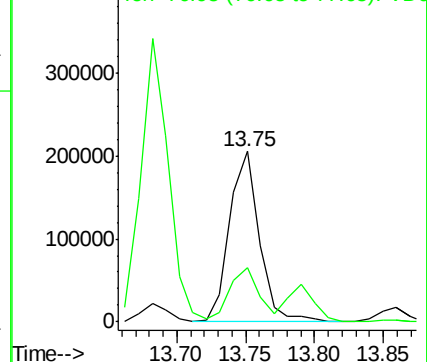
Ion Ratio Lower Upper

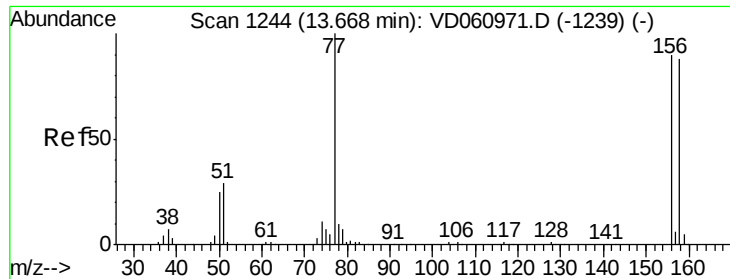
75 100

77 32.0 16.6 49.7



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





#77

Bromobenzene

Concen: 44.402 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

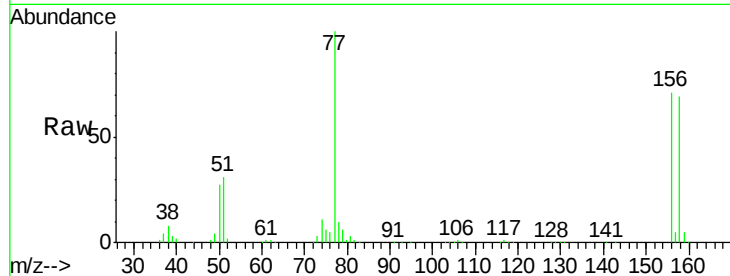
Tot Ion:156 Resp: 376554

Ion Ratio Lower Upper

156 100

77 140.0 55.5 166.7

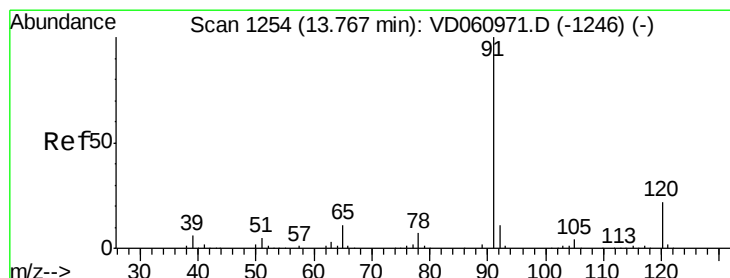
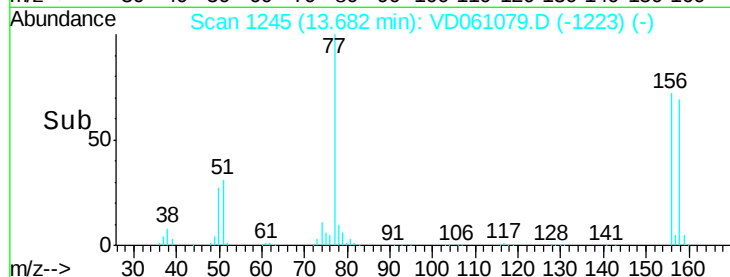
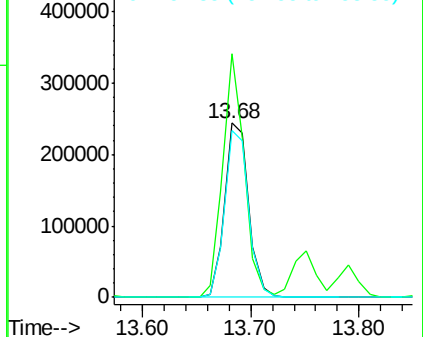
158 96.3 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 44.427 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061079.D

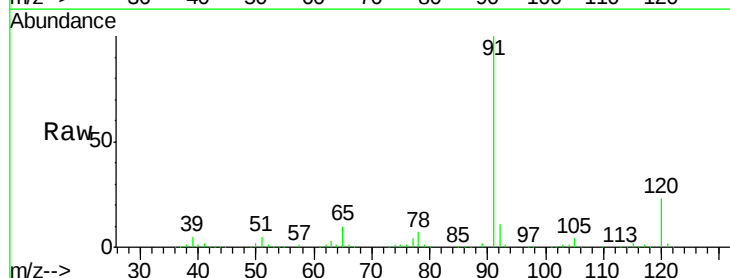
Acq: 15 Mar 2019 11:10

Tgt Ion: 91 Resp: 1727870

Ion Ratio Lower Upper

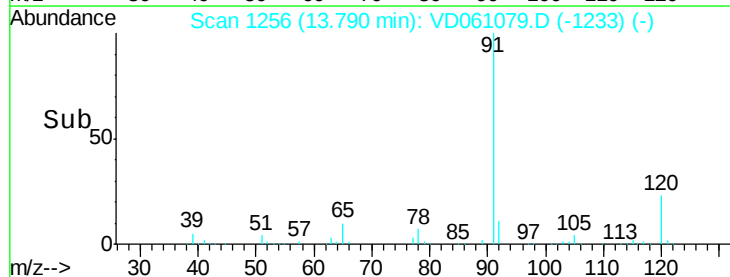
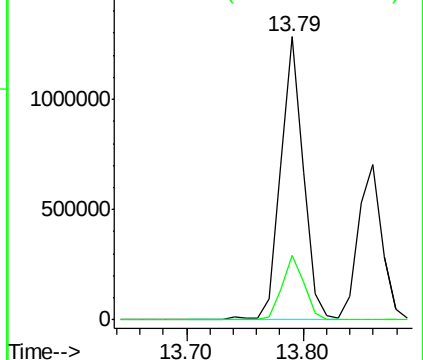
91 100

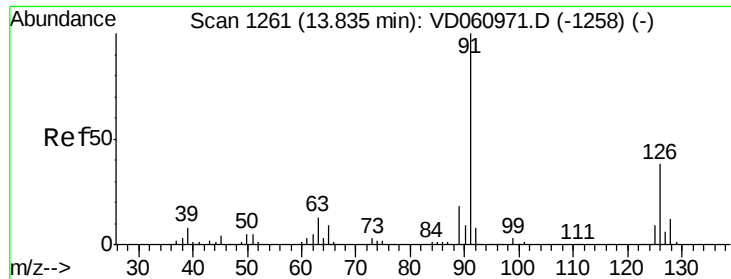
120 22.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V

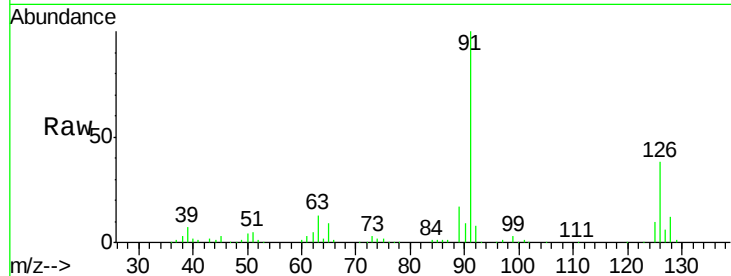




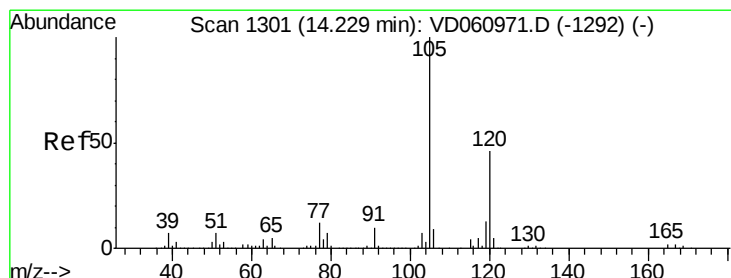
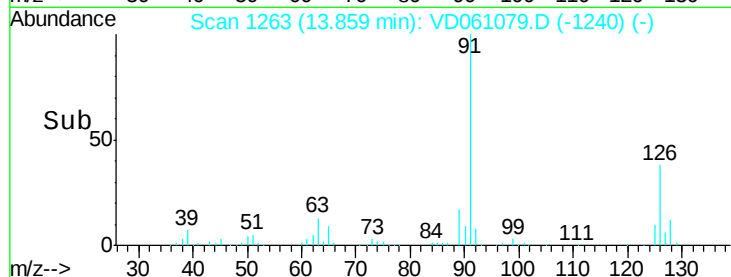
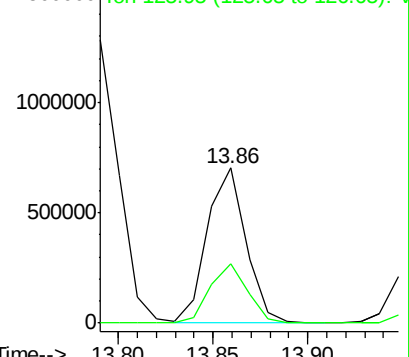
#79
2-Chlorotoluene
Concen: 45.751 ug/l
RT: 13.86 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 979617
Ion Ratio Lower Upper
91 100
126 38.5 18.6 55.6

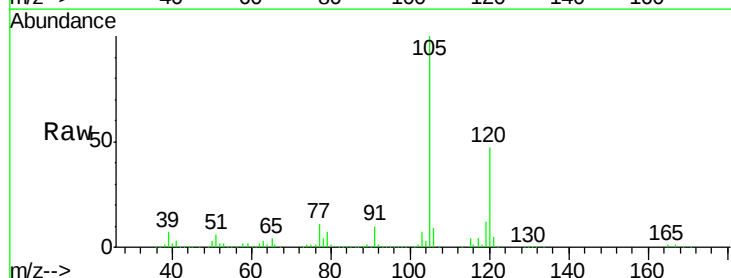


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.95 (125.65 to 126.65): V

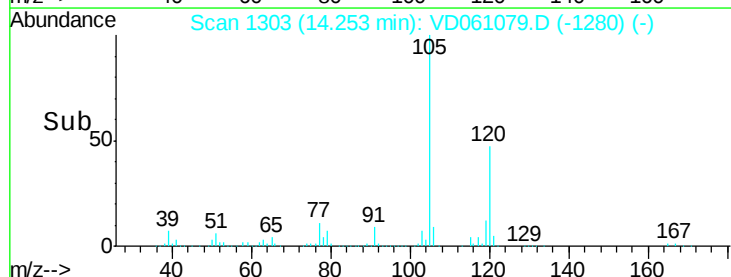
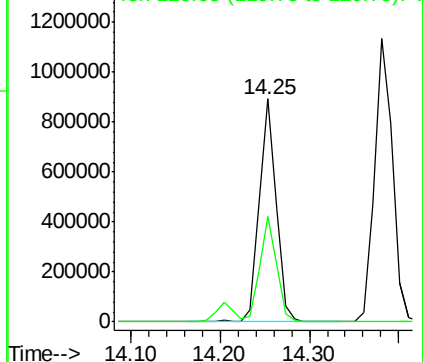


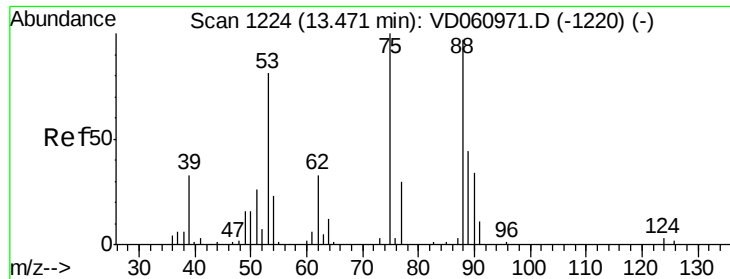
#80
1,3,5-Trimethylbenzene
Concen: 45.796 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion: 105 Resp: 1154996
Ion Ratio Lower Upper
105 100
120 47.2 22.9 68.5



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





#81

trans-1,4-Dichloro-2-butene

Concen: 45.609 ug/l

RT: 13.49 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

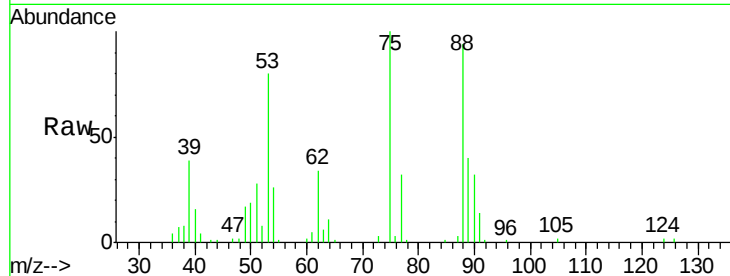
Tot Ion: 75 Resp: 89177

Ion Ratio Lower Upper

75 100

53 80.5 64.4 96.6

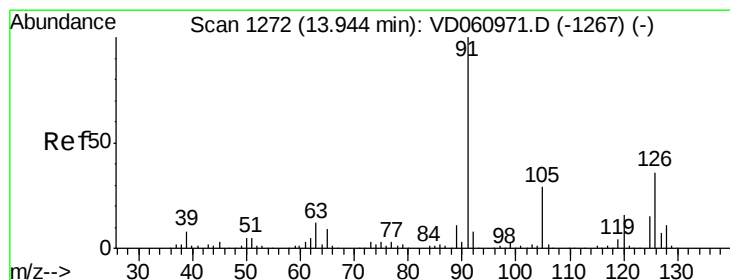
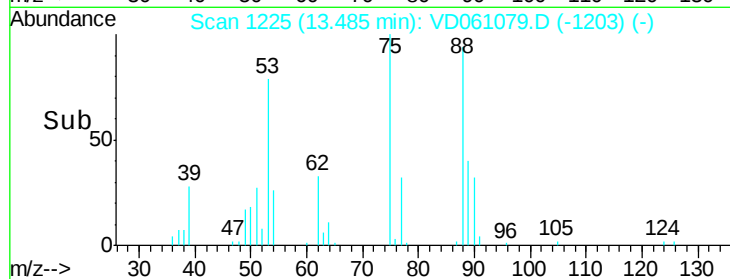
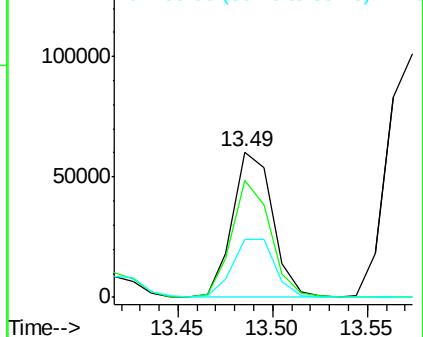
89 39.8 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 42.522 ug/l

RT: 13.97 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD061079.D

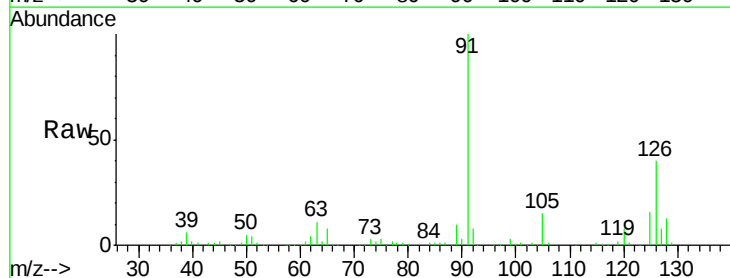
Acq: 15 Mar 2019 11:10

Tgt Ion: 91 Resp: 1076362

Ion Ratio Lower Upper

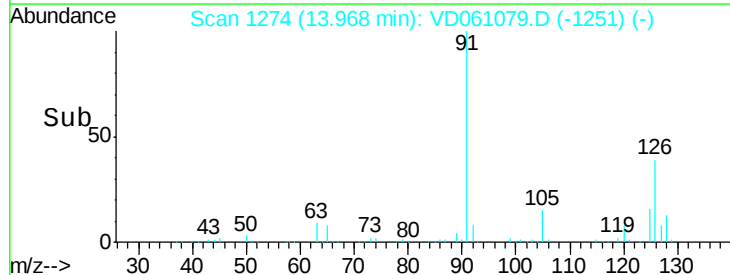
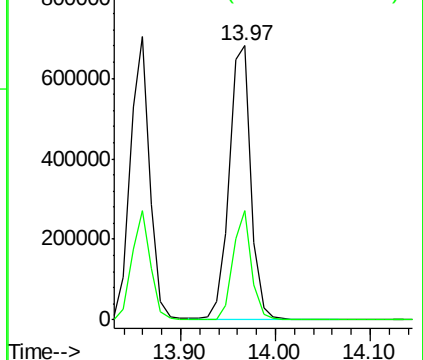
91 100

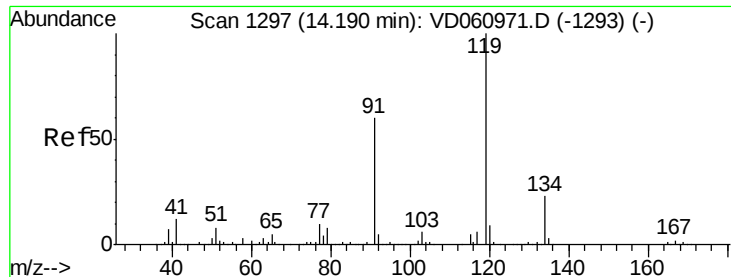
126 39.6 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

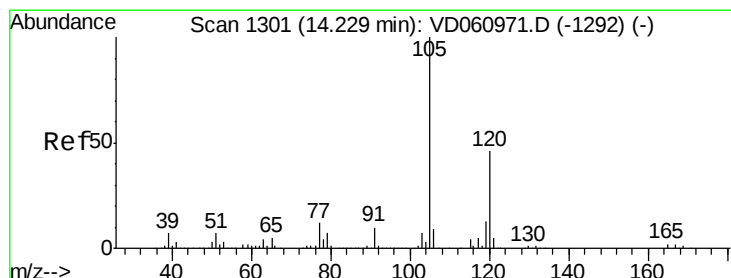
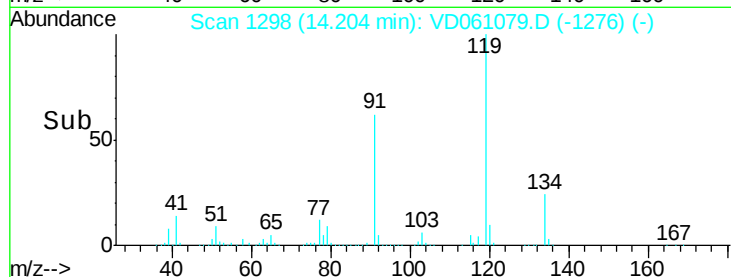
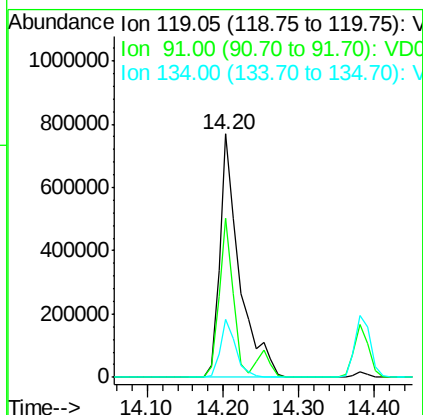
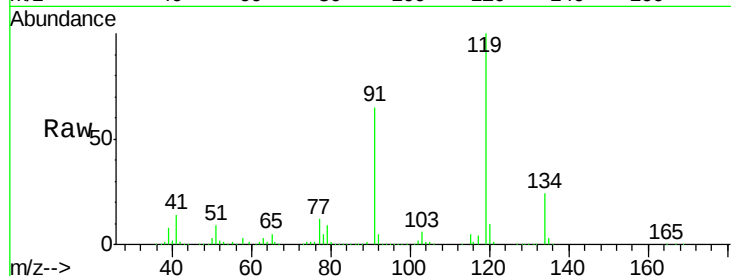




#83
tert-Butylbenzene
Concen: 50.750 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

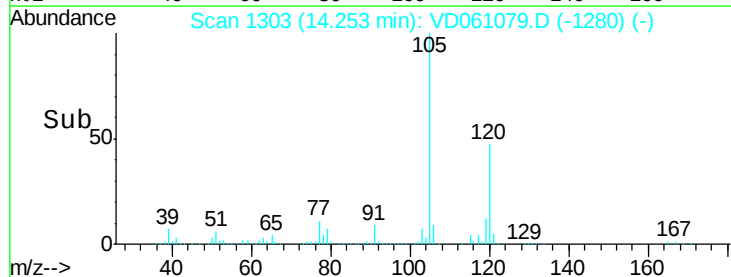
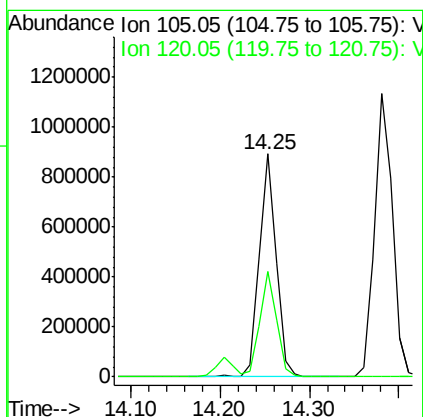
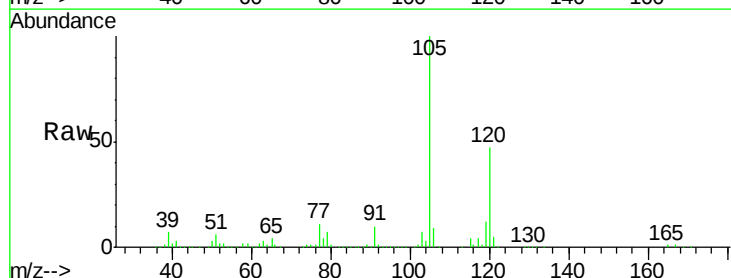
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

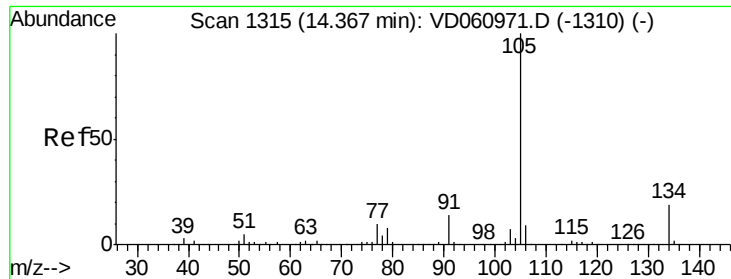
Tot Ion:119 Resp: 1400758
Ion Ratio Lower Upper
119 100
91 65.4 30.1 90.3
134 23.7 11.6 34.7



#84
1,2,4-Trimethylbenzene
Concen: 45.796 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion:105 Resp: 1154996
Ion Ratio Lower Upper
105 100
120 47.2 22.9 68.5

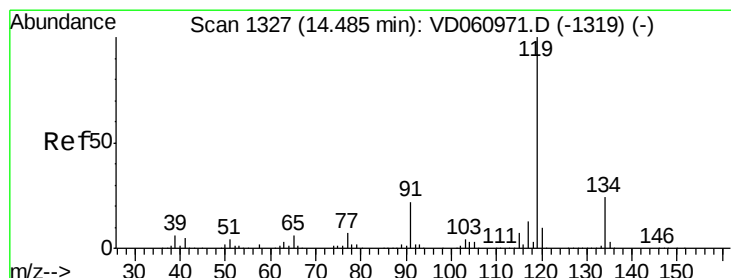
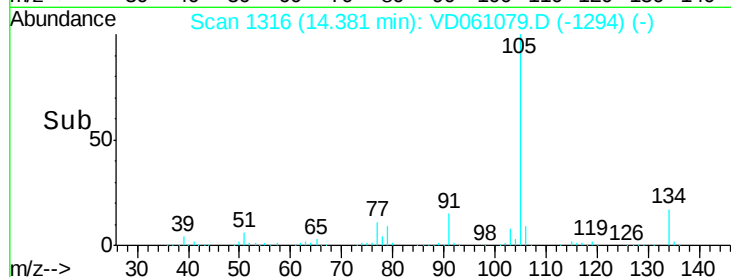
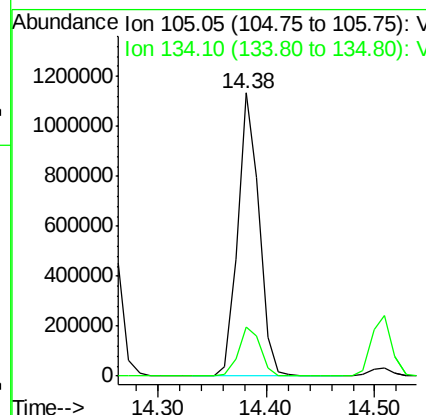
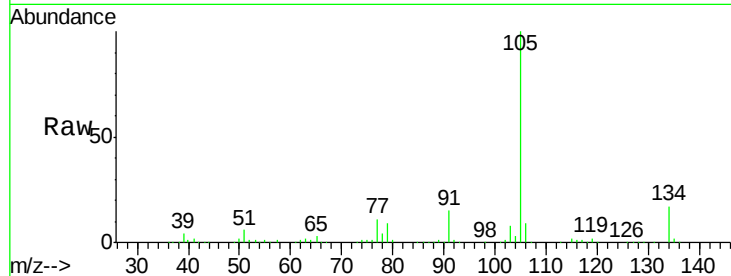




#85
 sec-Butylbenzene
 Concen: 45.849 ug/l
 RT: 14.38 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

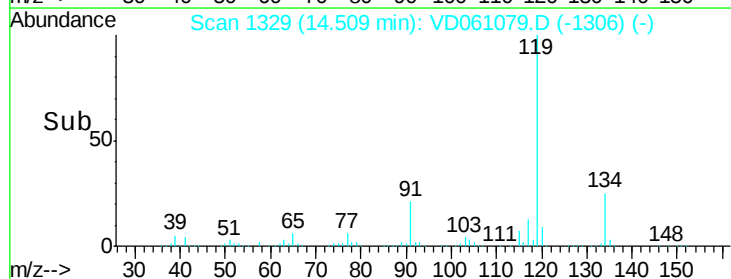
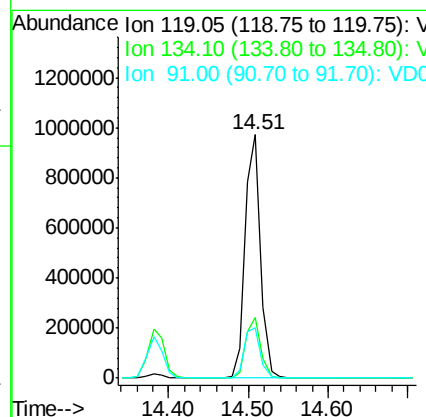
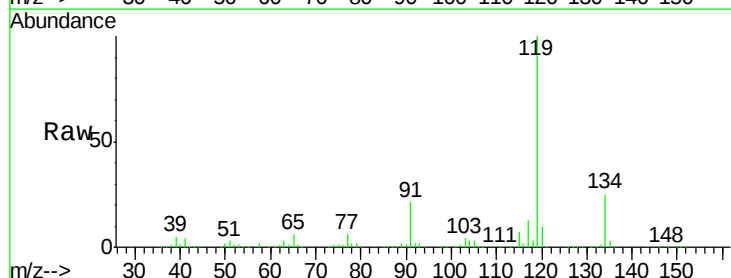
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

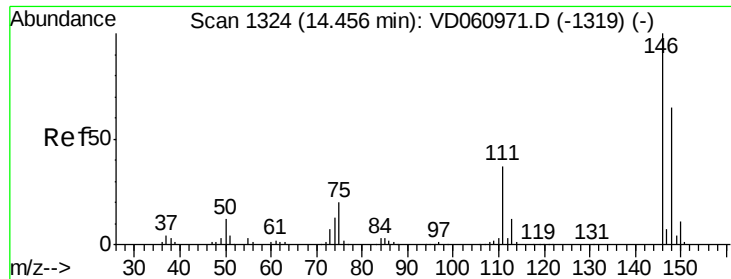
Tot Ion:105 Resp: 1544926
 Ion Ratio Lower Upper
 105 100
 134 17.3 9.4 28.2



#86
 p-Isopropyltoluene
 Concen: 47.244 ug/l
 RT: 14.51 min Scan# 1329
 Delta R.T. 0.02 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Tgt Ion:119 Resp: 1301219
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.0 36.1
 91 20.9 11.2 33.6

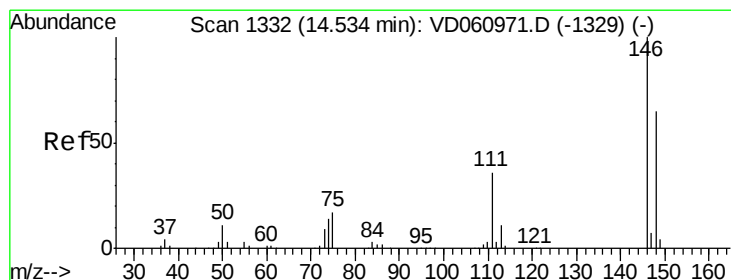
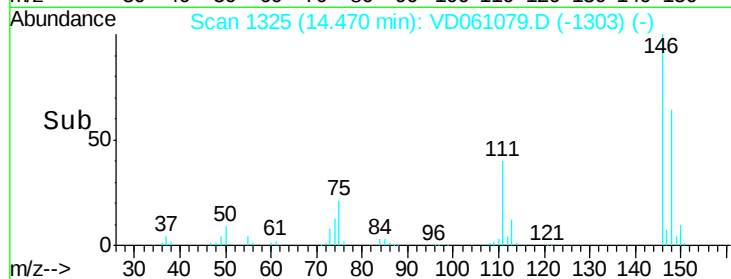
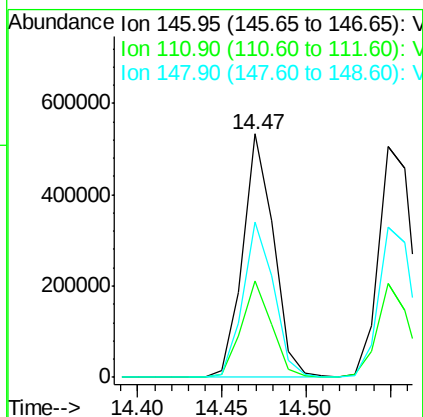
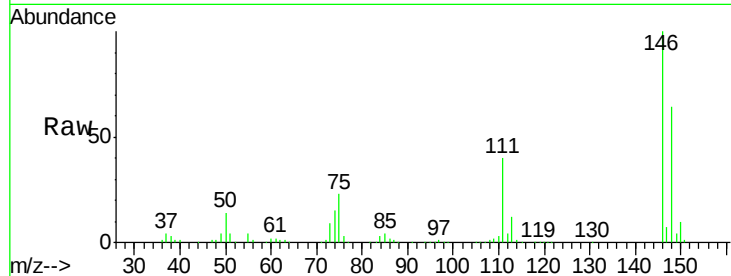




#87
 1,3-Dichlorobenzene
 Concen: 44.796 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

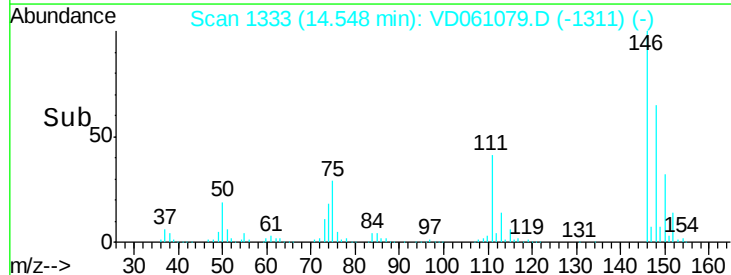
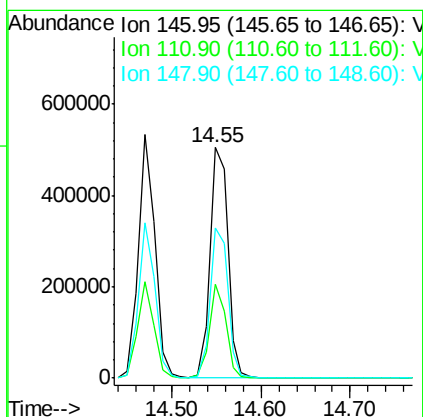
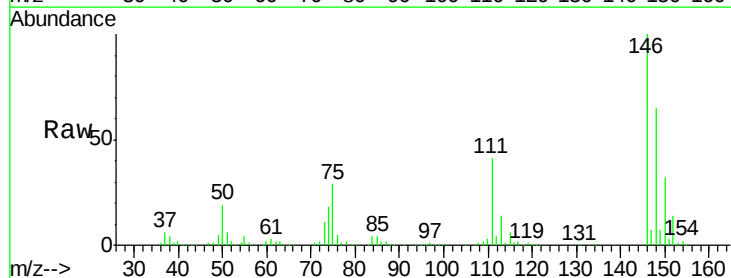
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

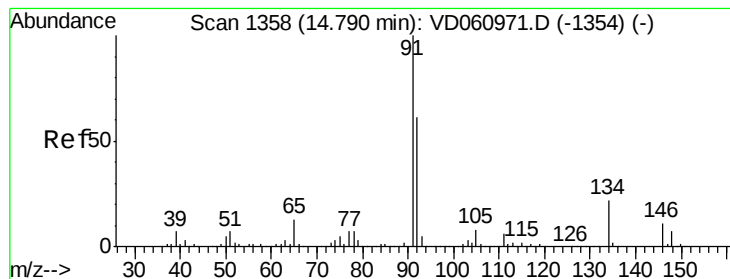
Tot Ion:146 Resp: 678354
 Ion Ratio Lower Upper
 146 100
 111 39.6 18.4 55.4
 148 64.0 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 47.081 ug/l
 RT: 14.55 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Tgt Ion:146 Resp: 700607
 Ion Ratio Lower Upper
 146 100
 111 40.8 18.4 55.2
 148 65.4 32.5 97.5





#89

n-Butylbenzene

Concen: 43.759 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.02 min

Lab File: VD061079.D

Acq: 15 Mar 2019 11:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

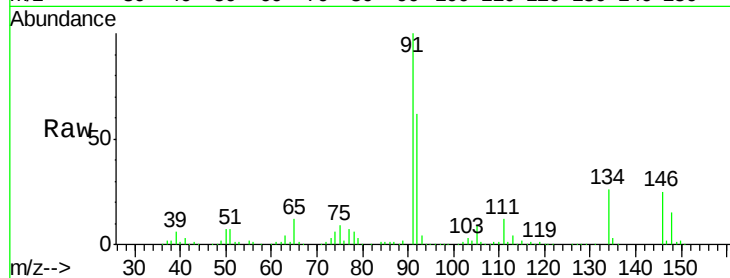
Tot Ion: 91 Resp: 1157413

Ion Ratio Lower Upper

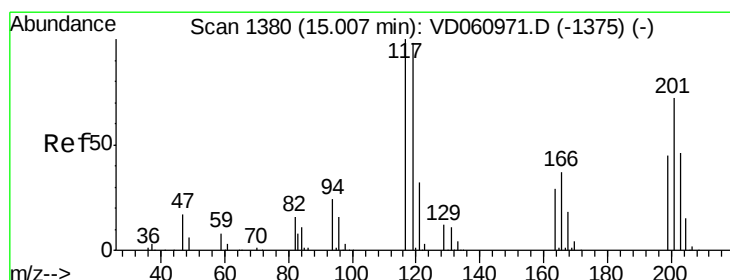
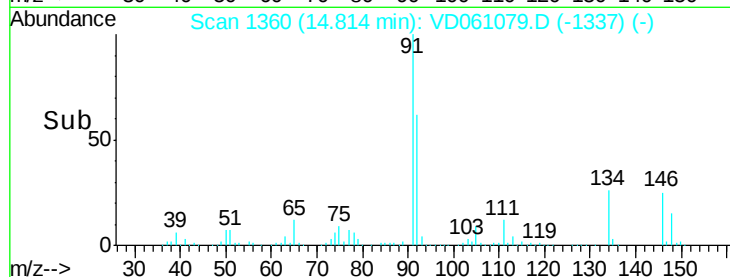
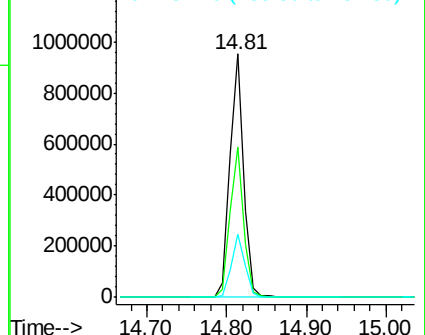
91 100

92 61.6 30.6 91.8

134 26.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 44.520 ug/l

RT: 15.02 min Scan# 1381

Delta R.T. 0.01 min

Lab File: VD061079.D

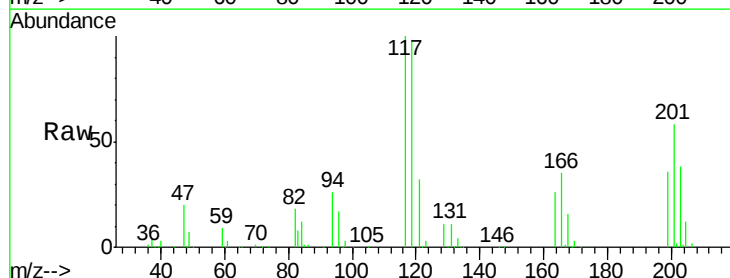
Acq: 15 Mar 2019 11:10

Tgt Ion: 117 Resp: 346247

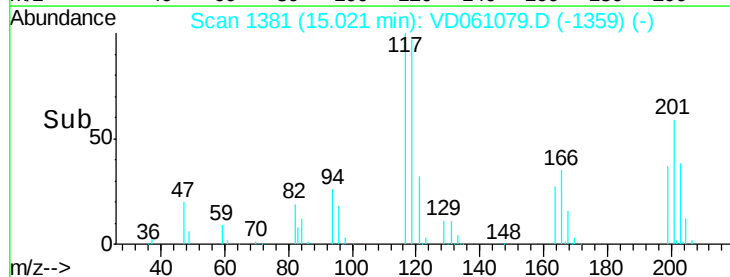
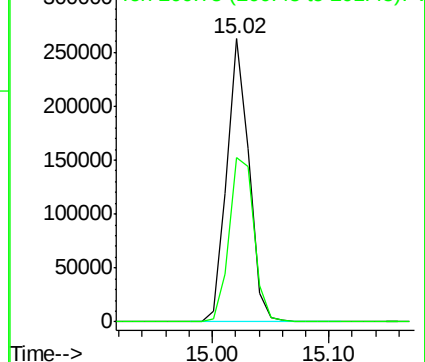
Ion Ratio Lower Upper

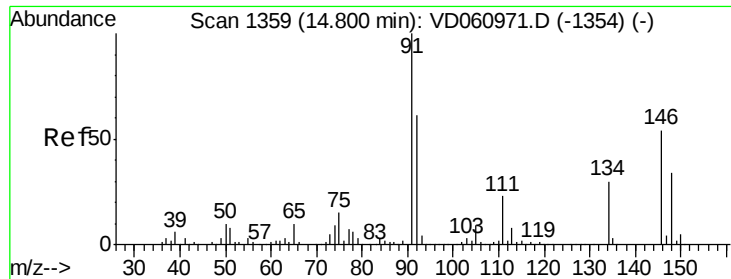
117 100

201 58.0 36.2 108.6



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V

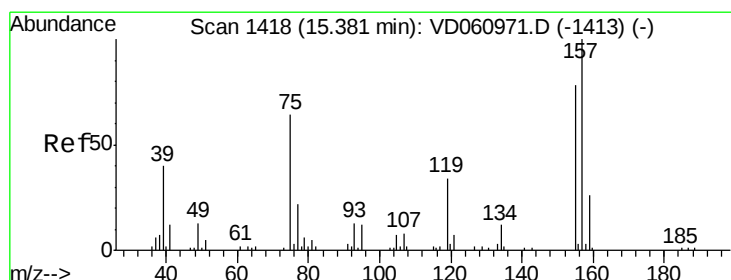
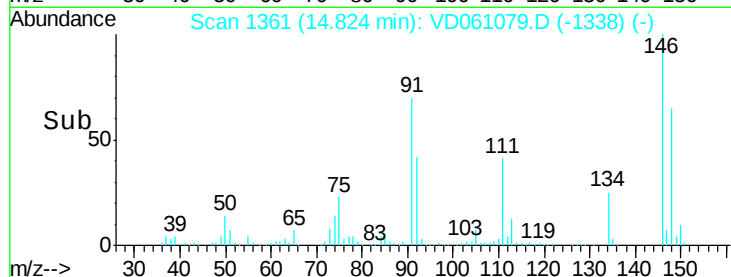
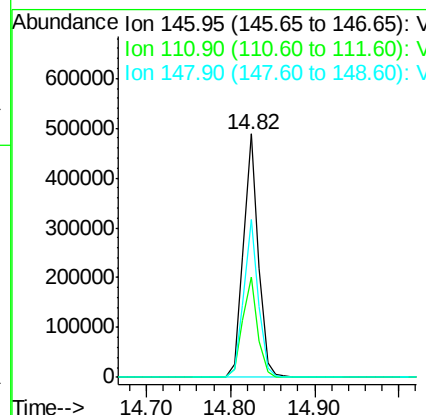
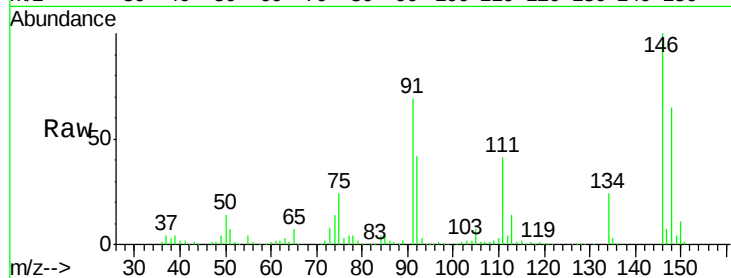




#91
 1,2-Dichlorobenzene
 Concen: 47.443 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

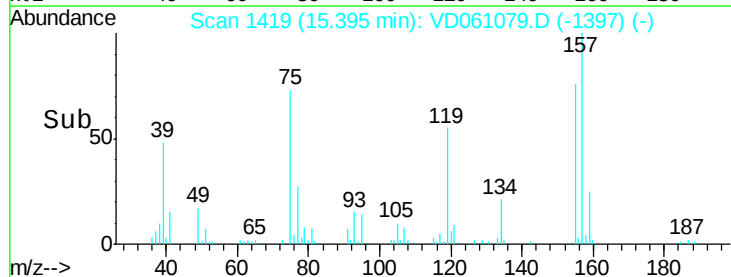
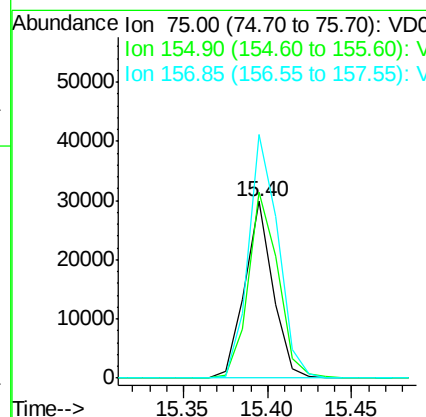
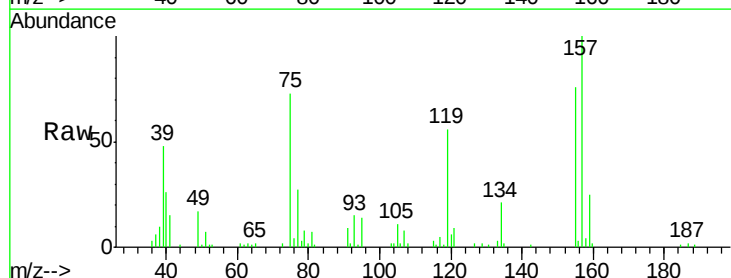
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

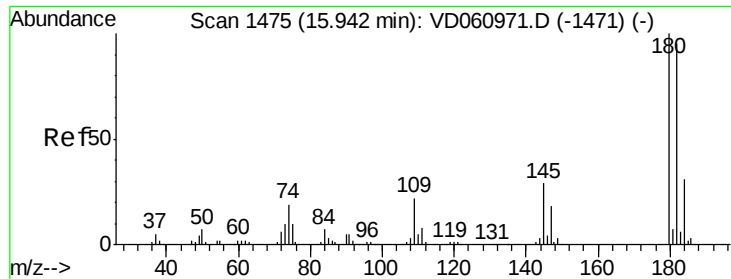
Tot Ion:146 Resp: 598932
 Ion Ratio Lower Upper
 146 100
 111 41.4 21.5 64.5
 148 64.9 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.321 ug/l
 RT: 15.40 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Tgt Ion: 75 Resp: 34618
 Ion Ratio Lower Upper
 75 100
 155 105.4 61.2 183.5
 157 137.9 78.3 234.8

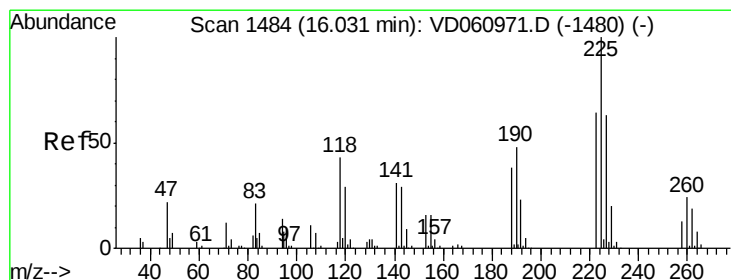
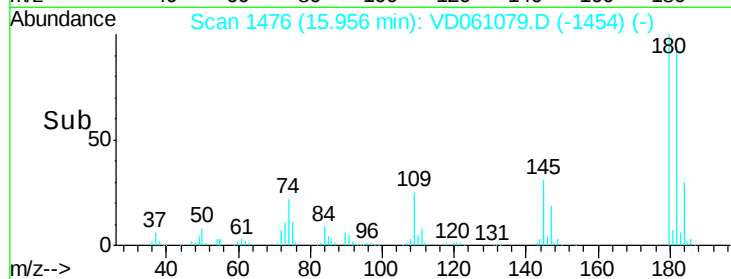
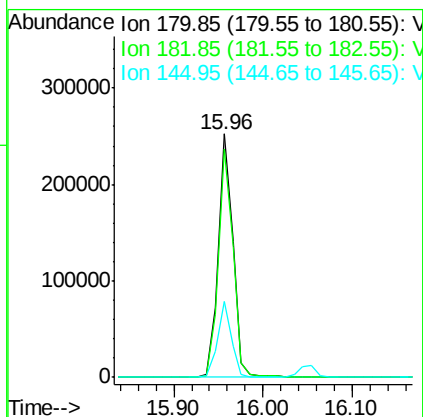
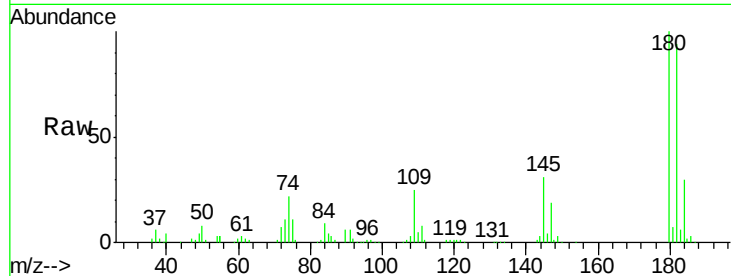




#93
 1,2,4-Trichlorobenzene
 Concen: 49.884 ug/l
 RT: 15.96 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

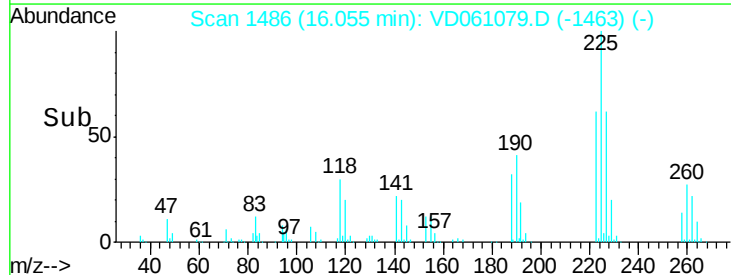
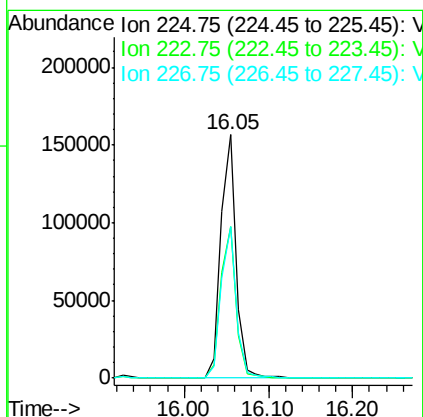
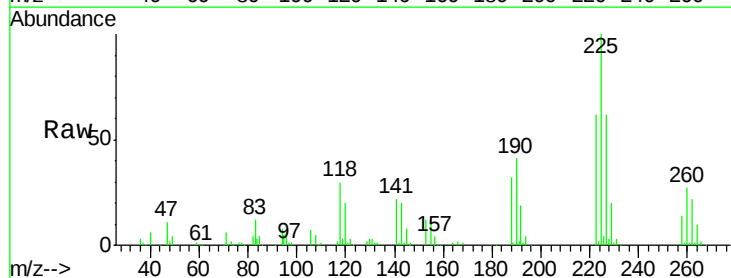
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

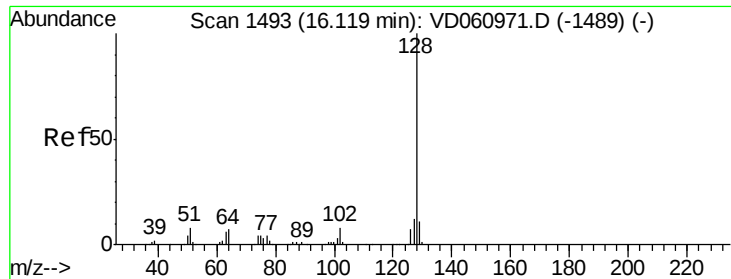
Tot Ion:180 Resp: 292137
 Ion Ratio Lower Upper
 180 100
 182 93.8 47.3 142.0
 145 31.4 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 44.629 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061079.D
 Acq: 15 Mar 2019 11:10

Tgt Ion:225 Resp: 197691
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.8 95.3
 227 62.4 31.4 94.0

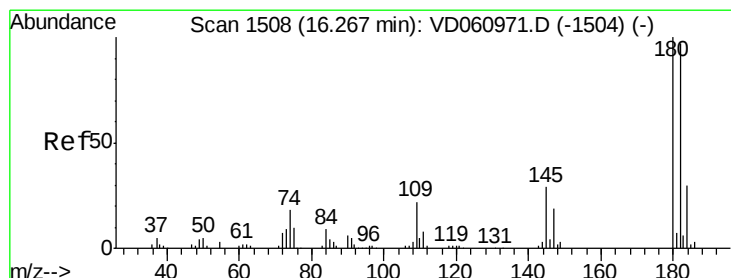
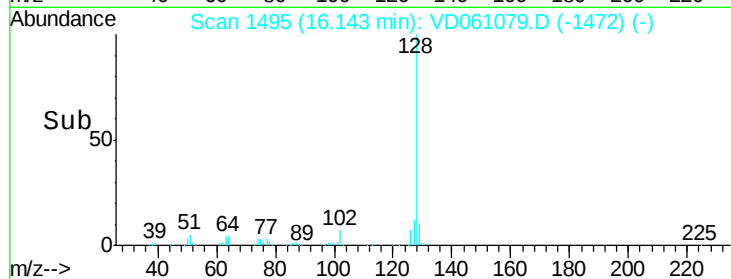
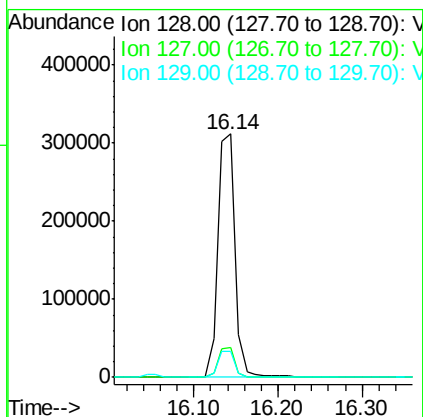
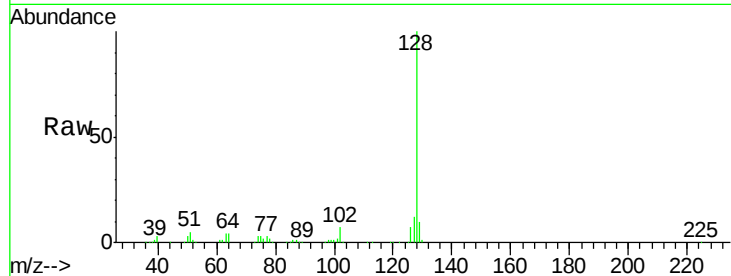




#95
Naphthalene
Concen: 49.219 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 438026
Ion Ratio Lower Upper
128 100
127 12.1 9.8 14.8
129 10.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 46.957 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD061079.D
Acq: 15 Mar 2019 11:10

Tgt Ion:180 Resp: 135822
Ion Ratio Lower Upper
180 100
182 97.3 48.6 145.8
145 33.9 14.3 42.9

