

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
 Data File : VD060812.D
 Acq On : 1 Feb 2019 11:23
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Feb 02 00:21:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	615782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	914259	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	671133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.31	152	339864	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.22	65	470590	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	6.68	113	403202	45.99	ug/l	0.01
Spiked Amount			Recovery	=	91.98%	
50) Toluene-d8	10.18	98	915115	44.69	ug/l	0.00
Spiked Amount			Recovery	=	89.38%	
62) 4-Bromofluorobenzene	13.35	95	448935	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	455086	60.784	ug/l	100
3) Chloromethane	1.77	50	228798	51.042	ug/l	95
4) Vinyl Chloride	1.87	62	260911	54.836	ug/l	93
5) Bromomethane	2.17	94	91836	61.100	ug/l	100
6) Chloroethane	2.26	64	128297	80.592	ug/l	91
7) Trichlorofluoromethane	2.51	101	607586	64.870	ug/l	98
8) Diethyl Ether	2.83	74	70448	51.044	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.08	101	300375	63.281	ug/l	95
10) Methyl Iodide	3.23	142	302376	60.845	ug/l	94
11) Tert butyl alcohol	3.93	59	101174	224.258	ug/l #	87
12) 1,1-Dichloroethene	3.07	96	200783	61.900	ug/l	91
13) Acrolein	2.97	56	39679	260.983	ug/l	90
14) Allyl chloride	3.51	41	438501	58.091	ug/l	98
15) Acrylonitrile	4.05	53	221653	219.272	ug/l	98
16) Acetone	3.14	43	397559	291.569	ug/l	98
17) Carbon Disulfide	3.30	76	650807	56.642	ug/l	96
18) Methyl Acetate	3.53	43	132999	49.204	ug/l	95
19) Methyl tert-butyl Ether	4.09	73	730018	49.296	ug/l	97
20) Methylene Chloride	3.69	84	282091	46.745	ug/l	99
21) trans-1,2-Dichloroethene	4.08	96	291954	51.058	ug/l	98
22) Diisopropyl ether	4.90	45	956428	49.169	ug/l	94
23) Vinyl Acetate	4.83	43	2697462	240.808	ug/l	100
24) 1,1-Dichloroethane	4.78	63	681838	53.545	ug/l	99
25) 2-Butanone	5.84	43	402020	230.353	ug/l	96
26) 2,2-Dichloropropane	5.80	77	800303	59.647	ug/l	99
27) cis-1,2-Dichloroethene	5.80	96	315511	48.447	ug/l	90
28) Bromochloromethane	6.20	49	241415	48.598	ug/l	93
29) Tetrahydrofuran	6.23	42	186133	222.089	ug/l	98
30) Chloroform	6.43	83	789395	52.449	ug/l	96
31) Cyclohexane	6.72	56	473984	54.707	ug/l	96
32) 1,1,1-Trichloroethane	6.64	97	845311	58.322	ug/l	99
36) 1,1-Dichloropropene	6.91	75	551394	50.512	ug/l	99
37) Ethyl Acetate	5.94	43	199747	40.992	ug/l	97
38) Carbon Tetrachloride	6.87	117	746298	54.520	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.62	83	474938	51.953	ug/l	92
40) Benzene	7.22	78	970938	45.066	ug/l	97
41) Methacrylonitrile	6.22	41	266203	86.020	ug/l #	91
42) 1,2-Dichloroethane	7.34	62	626483	50.054	ug/l	98
43) Isopropyl Acetate	9.00	43	272740	42.914	ug/l #	97
44) Trichloroethene	8.30	130	366046	50.118	ug/l	98
45) 1,2-Dichloropropane	8.70	63	280525	48.100	ug/l	100
46) Dibromomethane	8.83	93	221537	48.932	ug/l	94
47) Bromodichloromethane	9.14	83	612122	50.090	ug/l	98
48) Methyl methacrylate	8.88	41	192580	43.941	ug/l	94
49) 1,4-Dioxane	8.85	88	28953	769.952	ug/l	99
51) 4-Methyl-2-Pentanone	10.07	43	885299	215.100	ug/l	99
52) Toluene	10.28	92	626738	45.860	ug/l	98
53) t-1,3-Dichloropropene	10.68	75	506382	47.108	ug/l	95
54) cis-1,3-Dichloropropene	9.80	75	529715	48.055	ug/l	96
55) 1,1,2-Trichloroethane	10.96	97	210827	45.247	ug/l	99
56) Ethyl methacrylate	10.81	69	234844	41.606	ug/l	93
57) 1,3-Dichloropropane	11.18	76	358502	45.020	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.62	63	640747	216.353	ug/l	97
59) 2-Hexanone	11.31	43	669204	216.246	ug/l	97
60) Dibromochloromethane	11.46	129	385417	46.011	ug/l	100
61) 1,2-Dibromoethane	11.59	107	241719	44.050	ug/l	99
64) Tetrachloroethene	11.03	164	302114	49.049	ug/l	96
65) Chlorobenzene	12.18	112	730371	47.622	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	341941	51.894	ug/l	99
67) Ethyl Benzene	12.31	91	1466795	53.186	ug/l	99
68) m/p-Xylenes	12.45	106	904643	100.824	ug/l	96
69) o-Xylene	12.84	106	403179	45.401	ug/l	90
70) Styrene	12.86	104	700802	47.059	ug/l	95
71) Bromoform	13.02	173	216583	43.626	ug/l	96
73) Isopropylbenzene	13.19	105	1426585	52.646	ug/l	99
74) N-amyl acetate	13.05	43	336669	40.414	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.50	83	213884	43.349	ug/l	98
76) 1,2,3-Trichloropropane	13.53	75	280912	45.074	ug/l	99
77) Bromobenzene	13.46	156	334451	48.014	ug/l	86
78) n-propylbenzene	13.57	91	1792627	52.698	ug/l	97
79) 2-Chlorotoluene	13.63	91	1084546	52.272	ug/l	95
80) 1,3,5-Trimethylbenzene	14.03	105	1240783	53.189	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.26	75	68517	42.169	ug/l	86
82) 4-Chlorotoluene	13.74	91	1185440	51.407	ug/l	95
83) tert-Butylbenzene	13.98	119	1272262	52.128	ug/l	97
84) 1,2,4-Trimethylbenzene	14.03	105	1240783	53.189	ug/l	98
85) sec-Butylbenzene	14.16	105	1495104	53.815	ug/l	99
86) p-Isopropyltoluene	14.28	119	1275704	56.557	ug/l	98
87) 1,3-Dichlorobenzene	14.25	146	607757	48.781	ug/l	96
88) 1,4-Dichlorobenzene	14.33	146	578798	47.813	ug/l	98
89) n-Butylbenzene	14.59	91	1169078	49.676	ug/l	98
90) Hexachloroethane	14.81	117	357336	53.236	ug/l	95
91) 1,2-Dichlorobenzene	14.61	146	453765	43.879	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.18	75	57842	49.345	ug/l	83

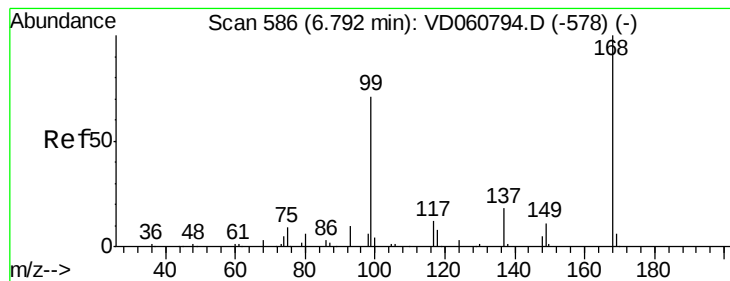
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020119\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.74	180	425900	47.563	ug/l	99
94) Hexachlorobutadiene	15.84	225	350429	52.159	ug/l	99
95) Naphthalene	15.92	128	588723	42.791	ug/l	99
96) 1,2,3-Trichlorobenzene	16.07	180	327351	42.042	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 586

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

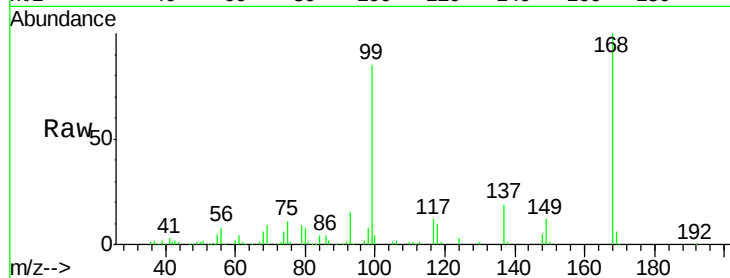
VSTDCCC050

Tot Ion:168 Resp: 615782

Ion Ratio Lower Upper

168 100

99 85.2 59.2 88.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.79

200000

150000

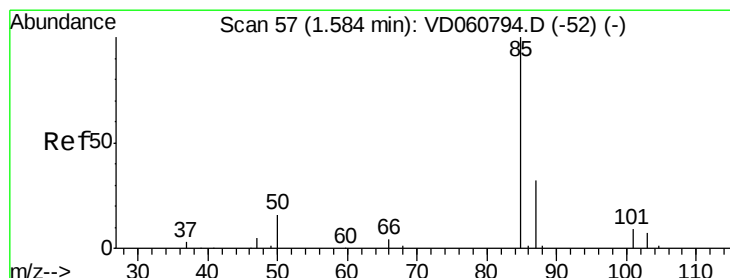
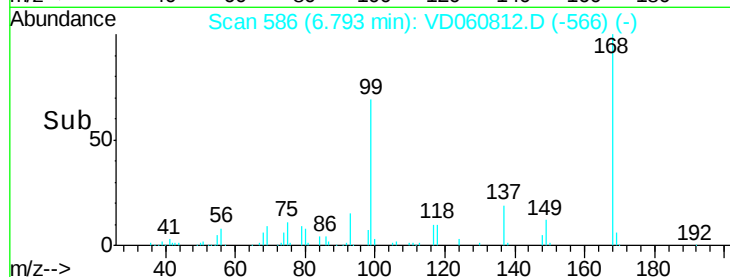
100000

50000

0

6.60 6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 60.784 ug/l

RT: 1.60 min Scan# 59

Delta R.T. 0.02 min

Lab File: VD060812.D

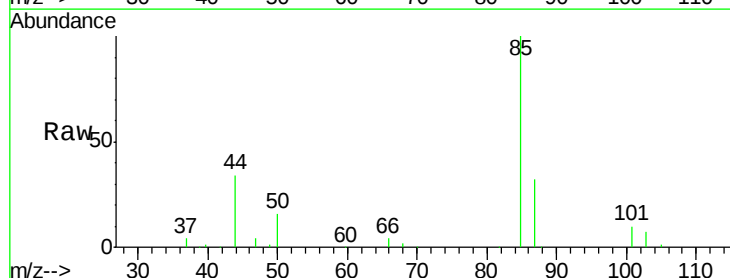
Acq: 1 Feb 2019 11:23

Tgt Ion: 85 Resp: 455086

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

150000

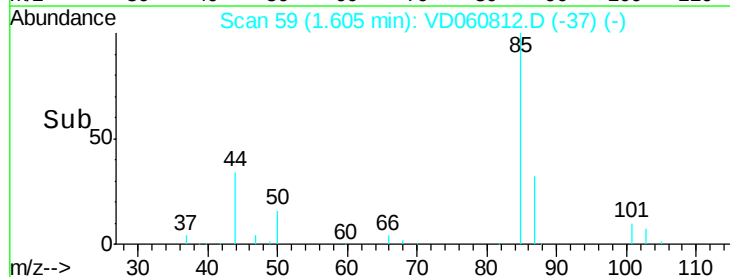
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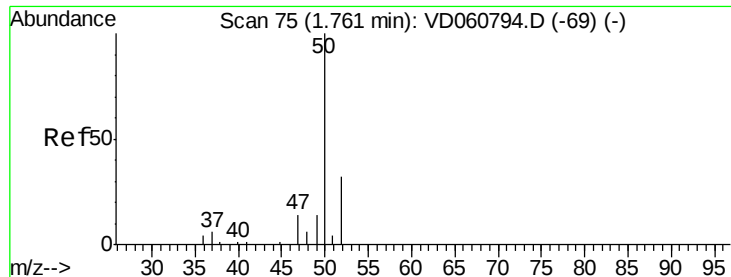
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 51.042 ug/l

RT: 1.77 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

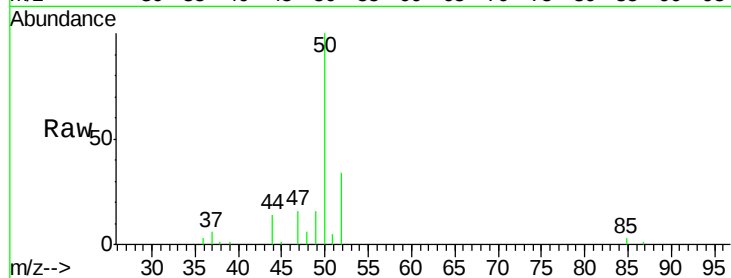
VSTDCCC050

Tot Ion: 50 Resp: 228798

Ion Ratio Lower Upper

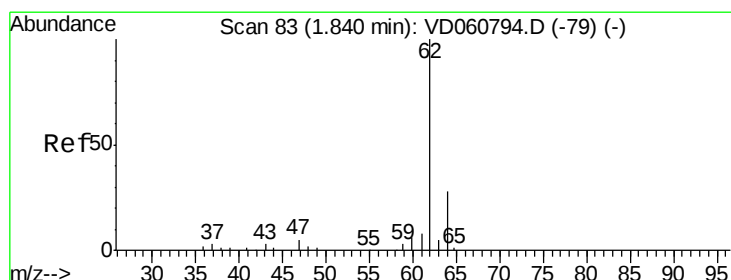
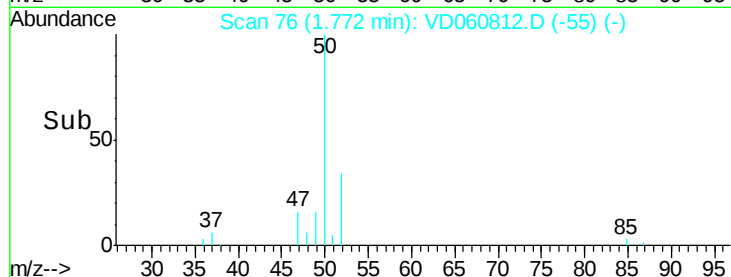
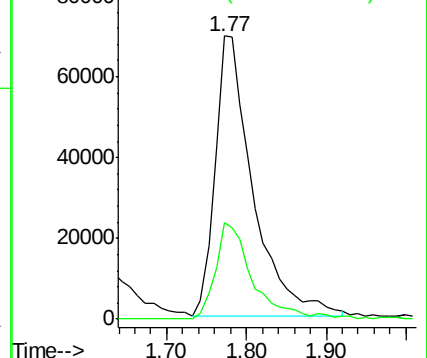
50 100

52 34.1 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.836 ug/l

RT: 1.87 min Scan# 86

Delta R.T. 0.03 min

Lab File: VD060812.D

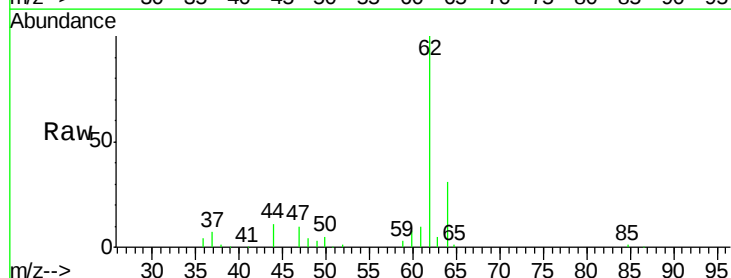
Acq: 1 Feb 2019 11:23

Tgt Ion: 62 Resp: 260911

Ion Ratio Lower Upper

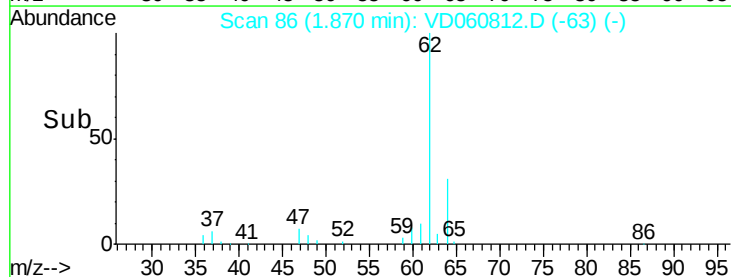
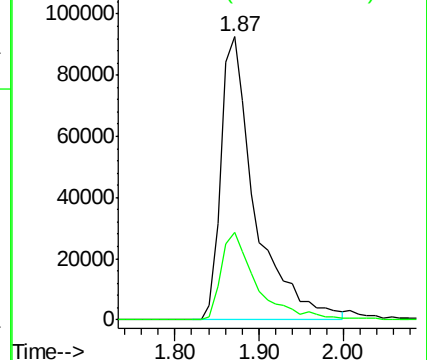
62 100

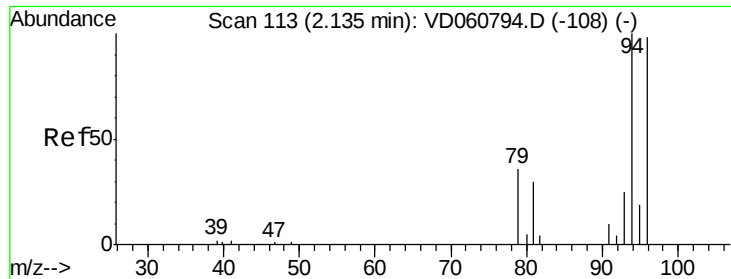
64 31.1 22.1 33.1



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 61.100 ug/l

RT: 2.17 min Scan# 116

Delta R.T. 0.03 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

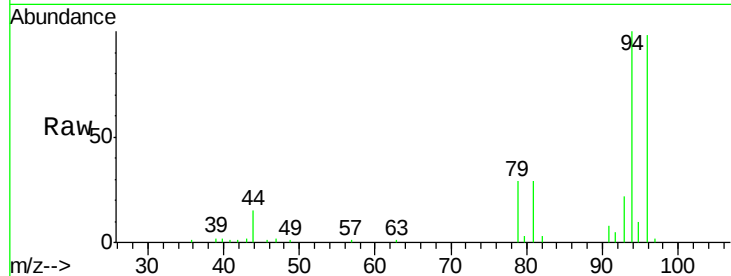
VSTDCCC050

Tot Ion: 94 Resp: 91836

Ion Ratio Lower Upper

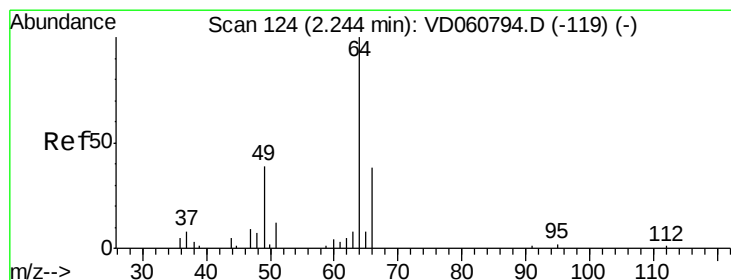
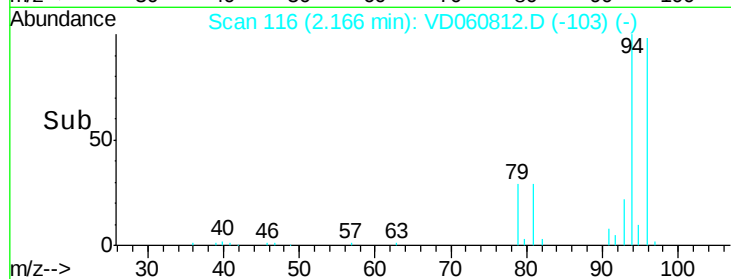
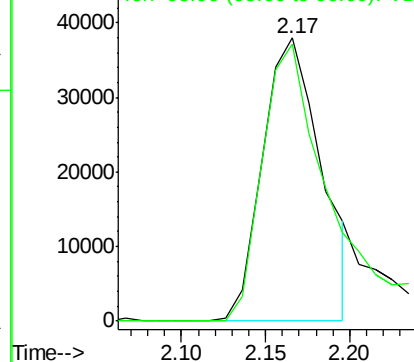
94 100

96 97.9 78.0 117.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 80.592 ug/l

RT: 2.26 min Scan# 126

Delta R.T. 0.02 min

Lab File: VD060812.D

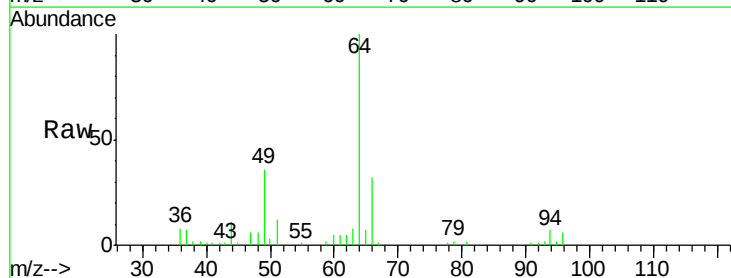
Acq: 1 Feb 2019 11:23

Tgt Ion: 64 Resp: 128297

Ion Ratio Lower Upper

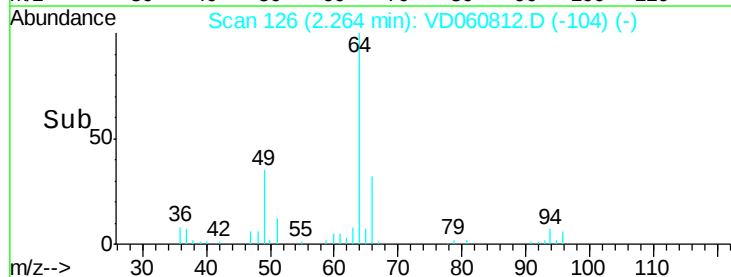
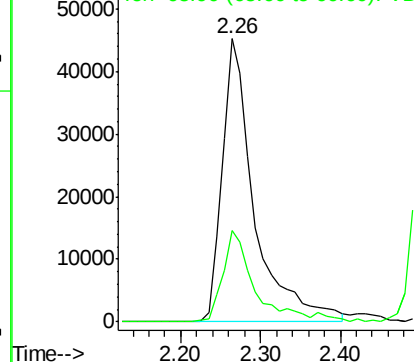
64 100

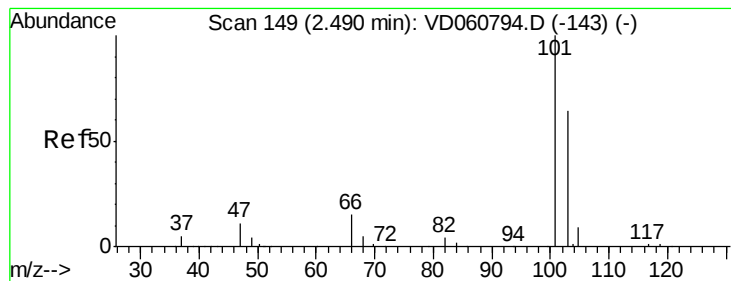
66 32.4 30.2 45.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



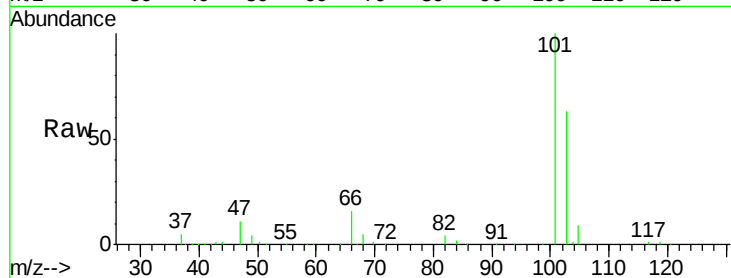


#7

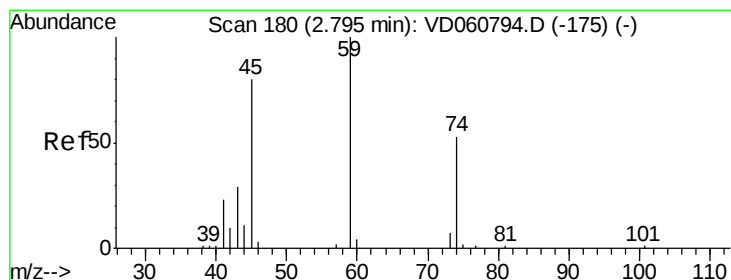
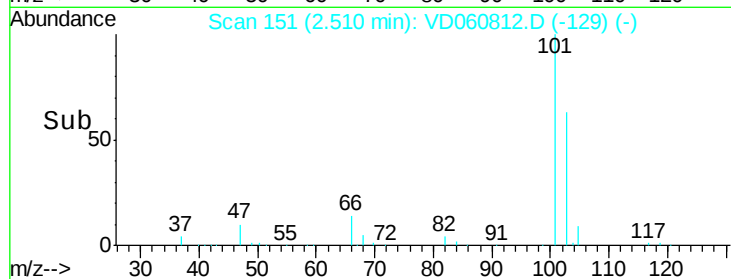
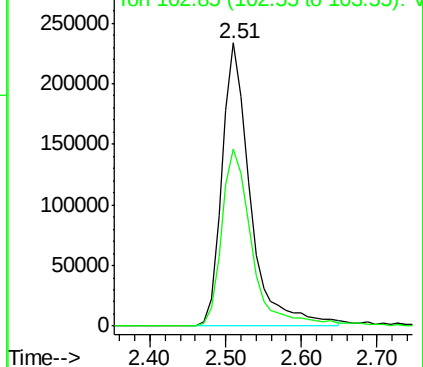
Trichlorofluoromethane
Concen: 64.870 ug/l
RT: 2.51 min Scan# 151
Delta R.T. 0.02 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:101 Resp: 607586
Ion Ratio Lower Upper
101 100
103 62.6 51.3 76.9



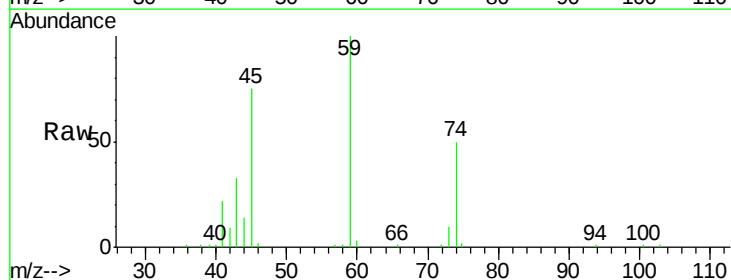
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



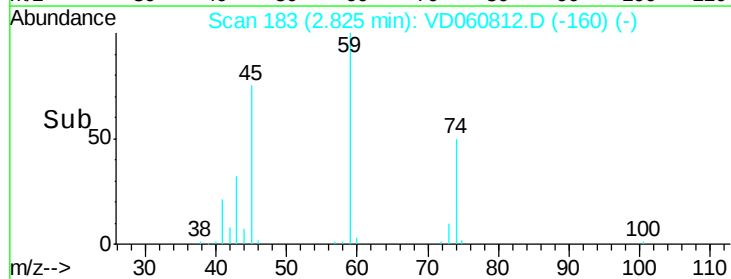
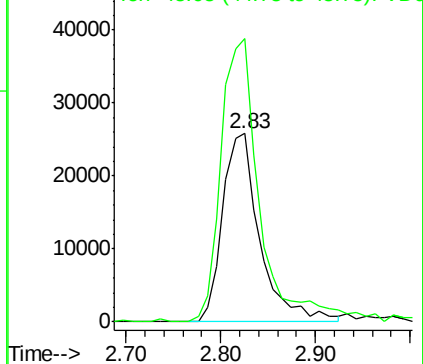
#8

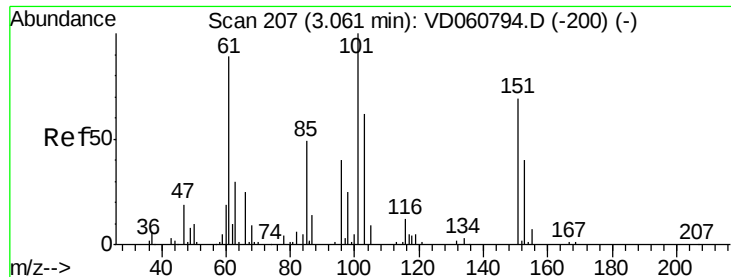
Diethyl Ether
Concen: 51.044 ug/l
RT: 2.83 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 74 Resp: 70448
Ion Ratio Lower Upper
74 100
45 150.1 75.6 226.8



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 63.281 ug/l

RT: 3.08 min Scan# 209

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

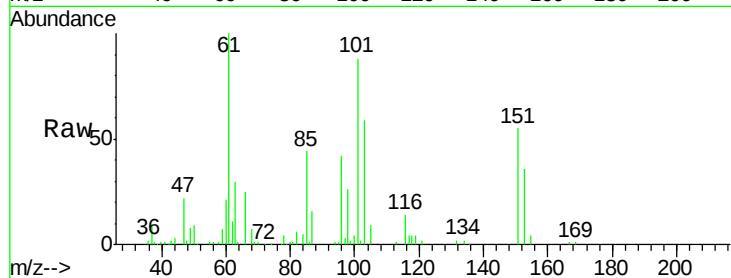
Tot Ion:101 Resp: 300375

Ion Ratio Lower Upper

101 100

85 49.9 39.3 58.9

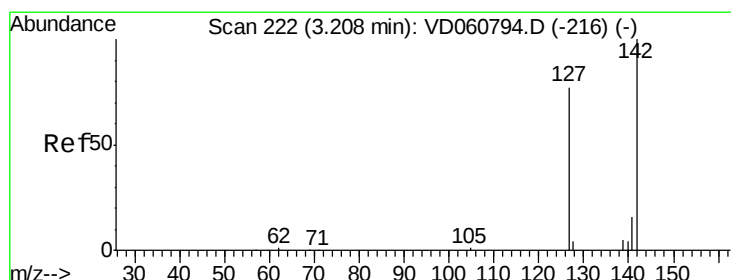
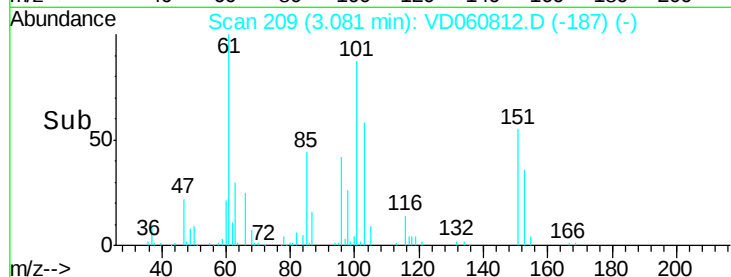
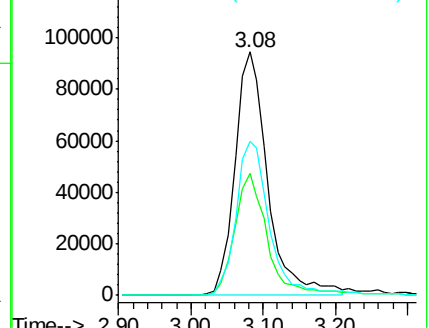
151 63.3 55.1 82.7



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: 60.845 ug/l

RT: 3.23 min Scan# 224

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

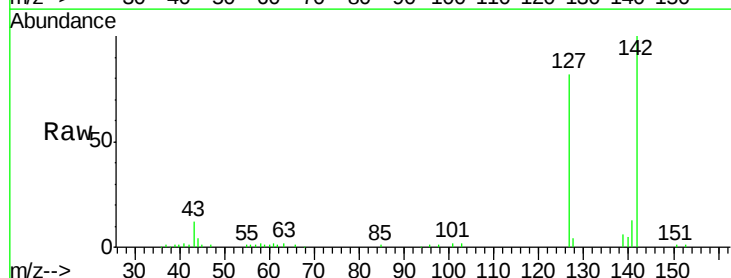
Tgt Ion:142 Resp: 302376

Ion Ratio Lower Upper

142 100

127 82.5 61.6 92.4

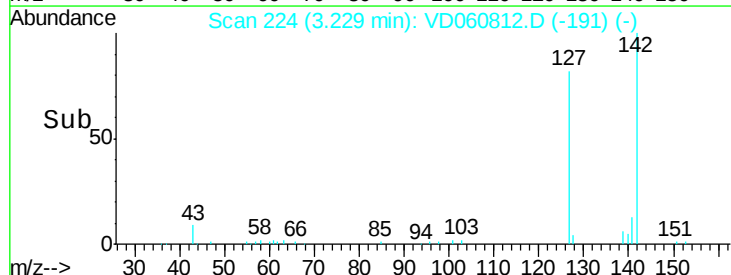
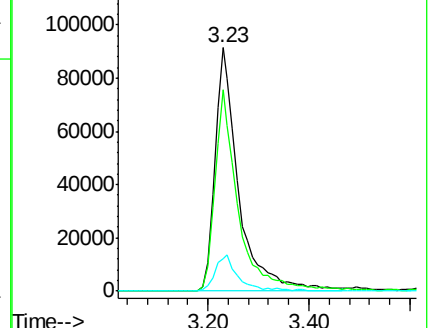
141 13.1 12.5 18.7

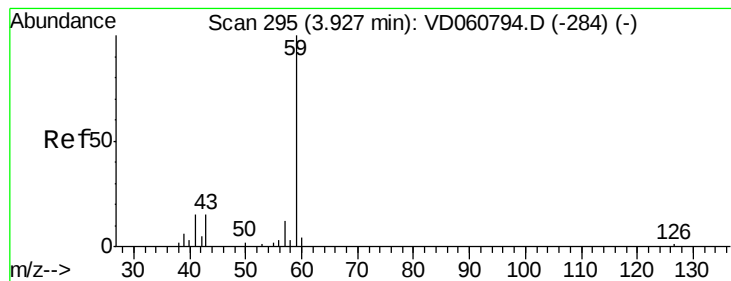


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



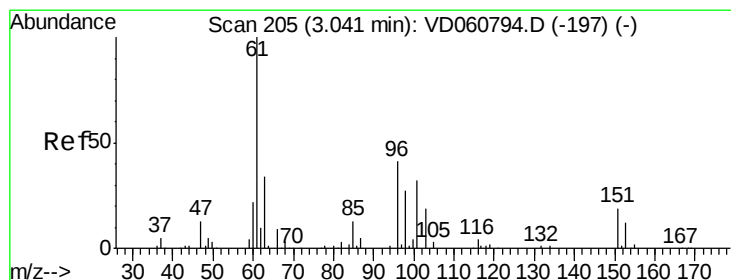
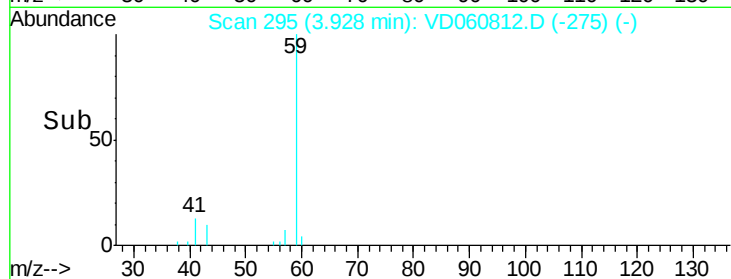
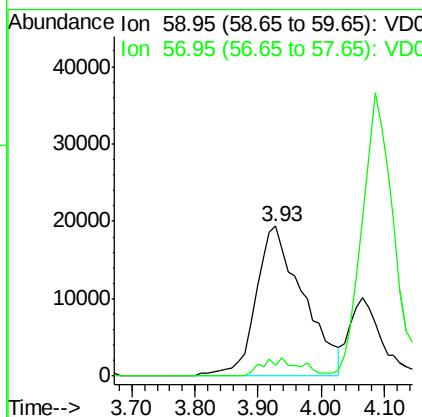
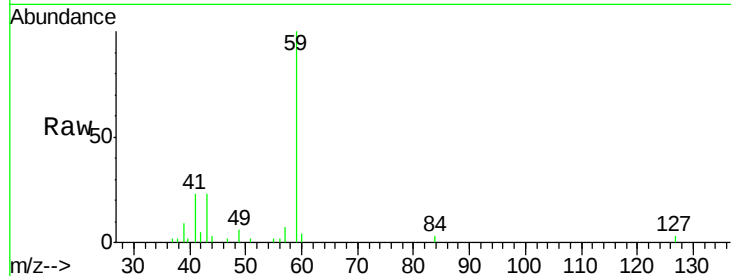


#11

Tert butyl alcohol
Concen: 224.258 ug/l
RT: 3.93 min Scan# 295
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

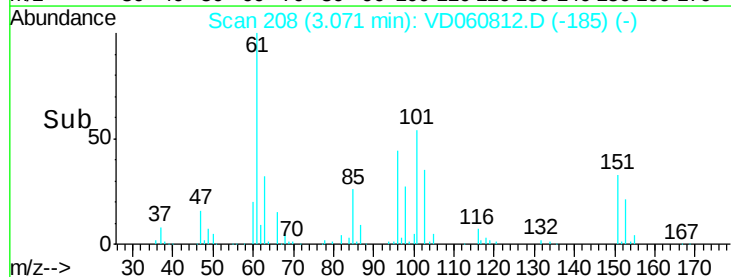
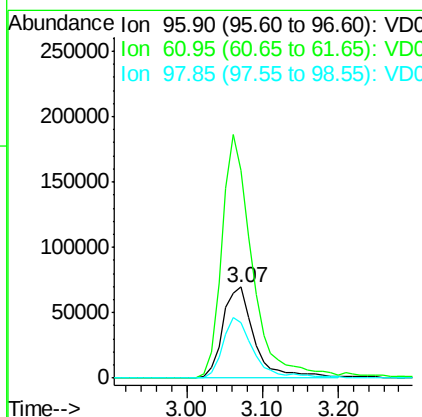
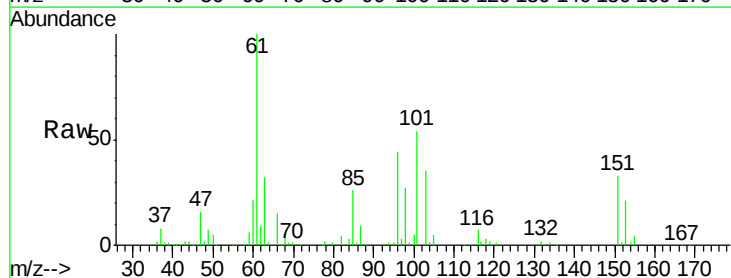
Tot Ion: 59 Resp: 101174
Ion Ratio Lower Upper
59 100
57 7.3 9.8 14.6#

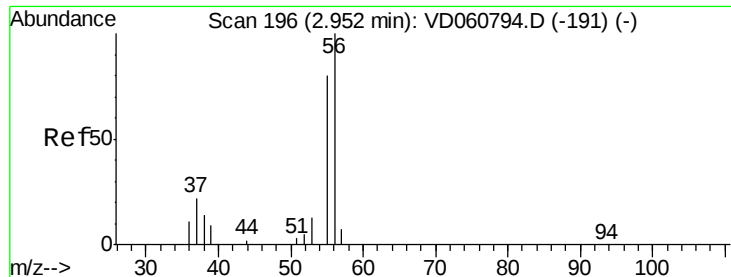


#12

1,1-Dichloroethene
Concen: 61.900 ug/l
RT: 3.07 min Scan# 208
Delta R.T. 0.03 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 96 Resp: 200783
Ion Ratio Lower Upper
96 100
61 227.7 195.1 292.7
98 61.3 52.5 78.7





#13

Acrolein

Concen: 260.983 ug/l

RT: 2.97 min Scan# 198

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

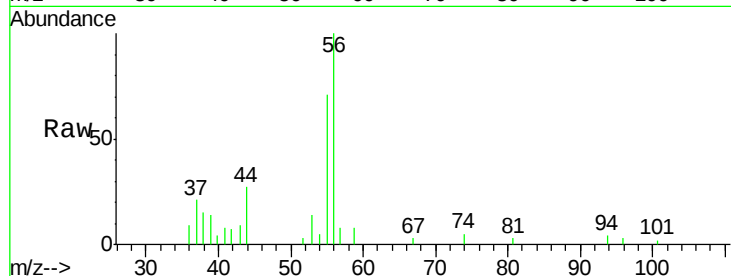
VSTDCCC050

Tot Ion: 56 Resp: 39679

Ion Ratio Lower Upper

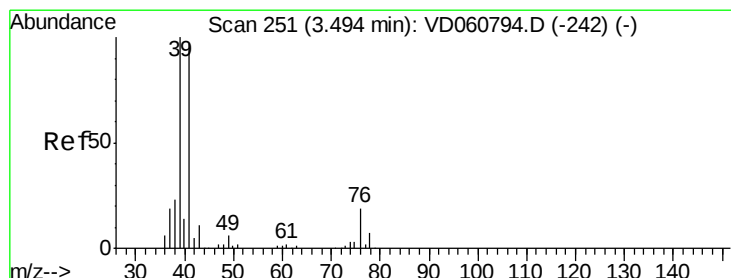
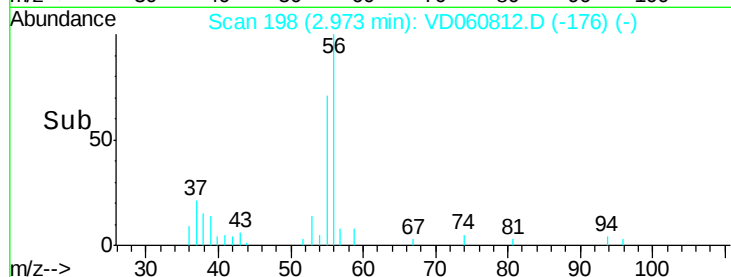
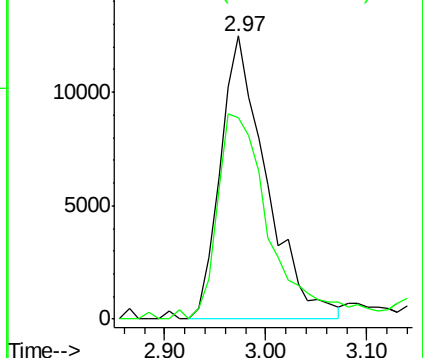
56 100

55 71.1 64.2 96.2



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 58.091 ug/l

RT: 3.51 min Scan# 253

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

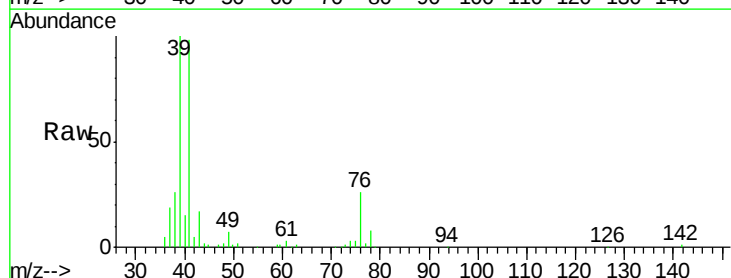
Tgt Ion: 41 Resp: 438501

Ion Ratio Lower Upper

41 100

39 102.4 82.6 123.8

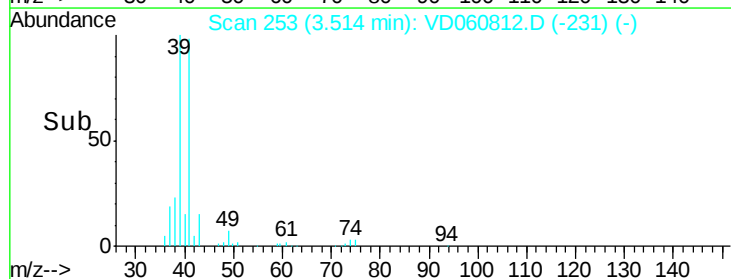
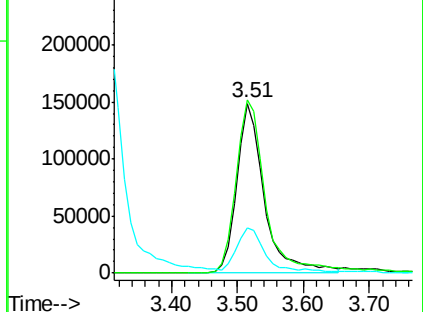
76 26.7 18.9 28.3

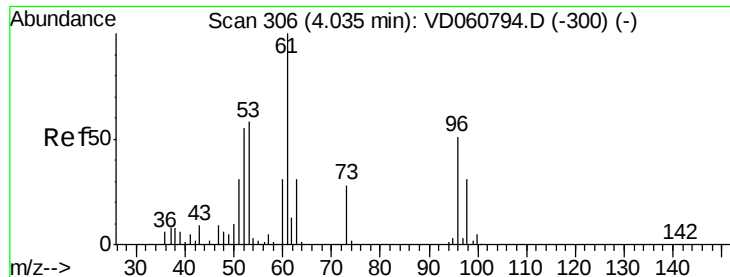


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 219.272 ug/l

RT: 4.05 min Scan# 307

Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

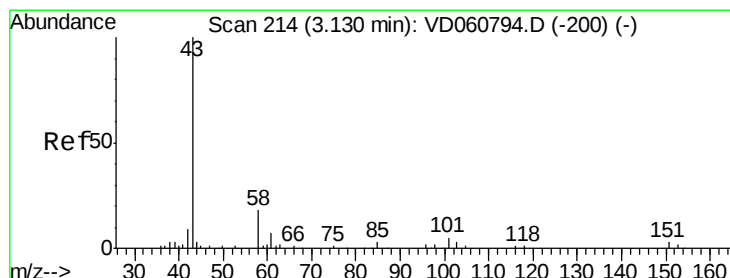
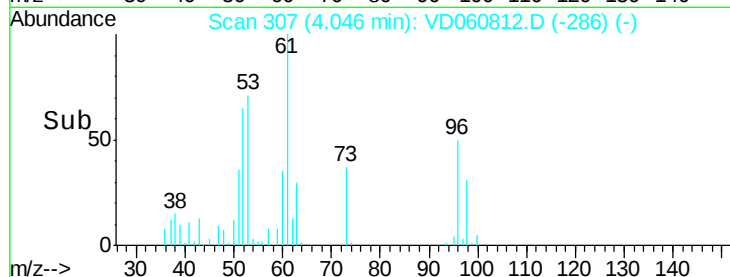
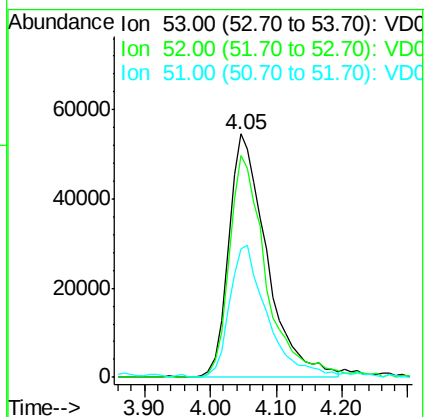
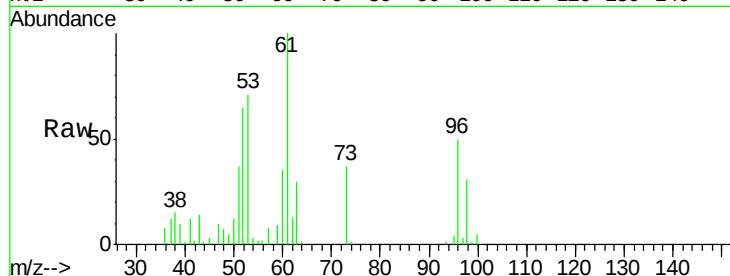
Tot Ion: 53 Resp: 221653

Ion Ratio Lower Upper

53 100

52 91.4 75.4 113.2

51 52.7 42.5 63.7



#16

Acetone

Concen: 291.569 ug/l

RT: 3.14 min Scan# 215

Delta R.T. 0.01 min

Lab File: VD060812.D

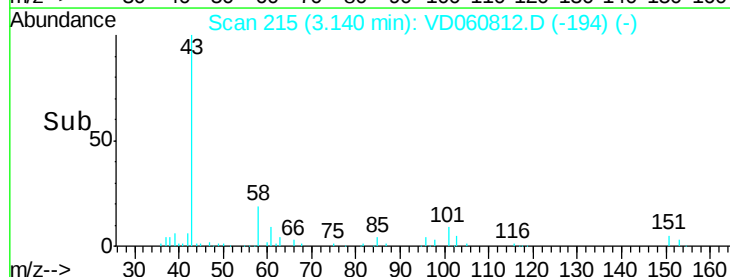
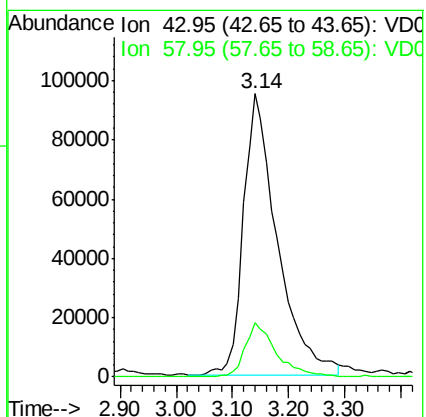
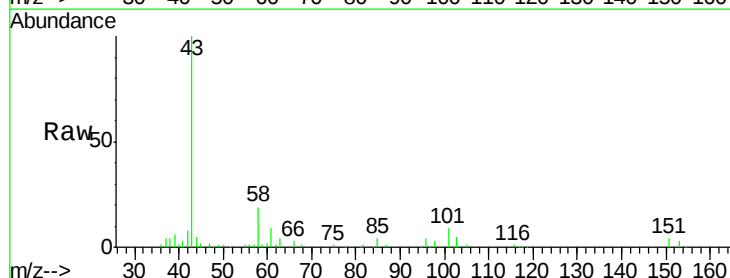
Acq: 1 Feb 2019 11:23

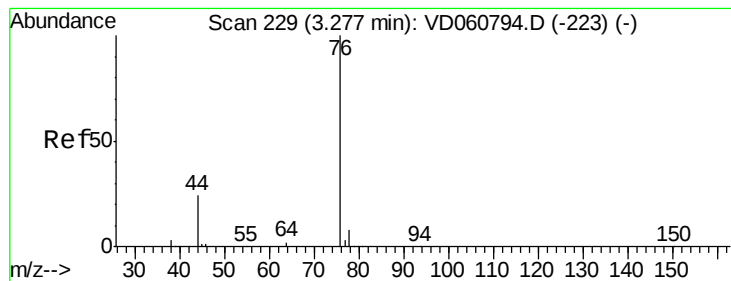
Tgt Ion: 43 Resp: 397559

Ion Ratio Lower Upper

43 100

58 19.1 14.5 21.7





#17

Carbon Disulfide

Concen: 56.642 ug/l

RT: 3.30 min Scan# 231

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

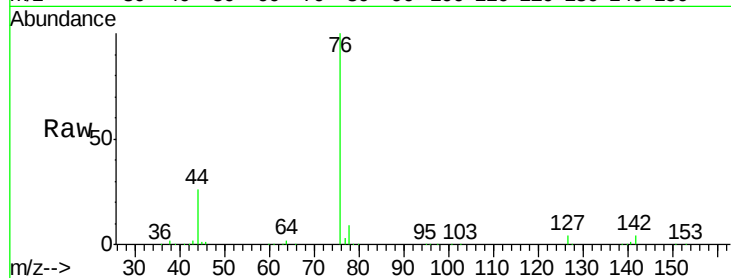
VSTDCCC050

Tot Ion: 76 Resp: 650807

Ion Ratio Lower Upper

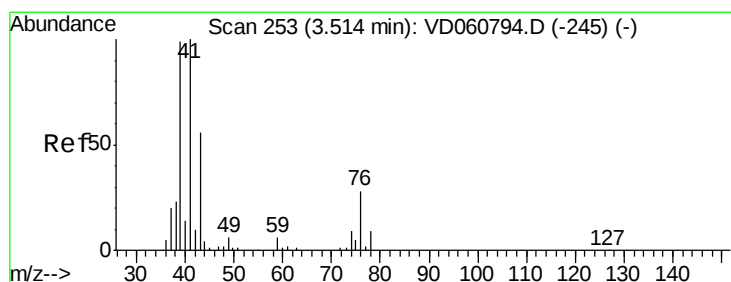
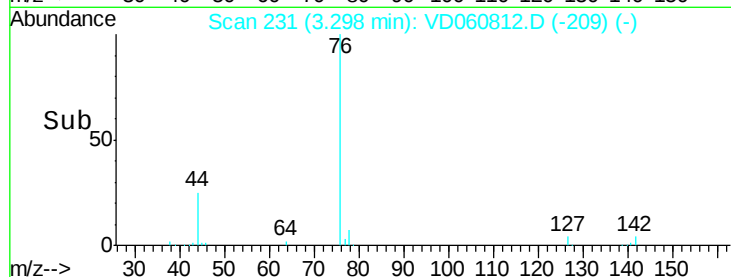
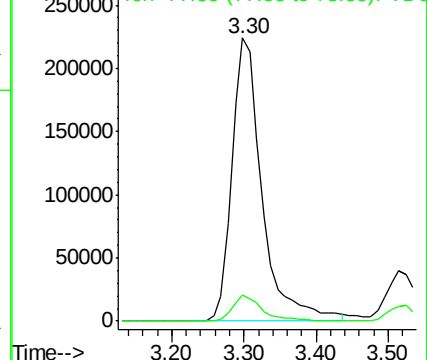
76 100

78 9.4 6.5 9.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 49.204 ug/l

RT: 3.53 min Scan# 255

Delta R.T. 0.02 min

Lab File: VD060812.D

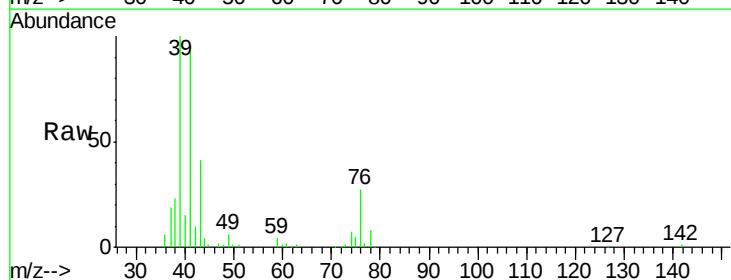
Acq: 1 Feb 2019 11:23

Tgt Ion: 43 Resp: 132999

Ion Ratio Lower Upper

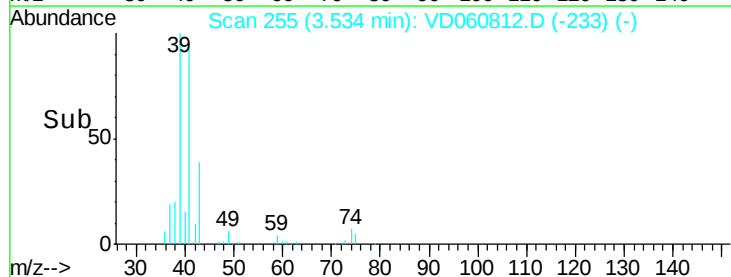
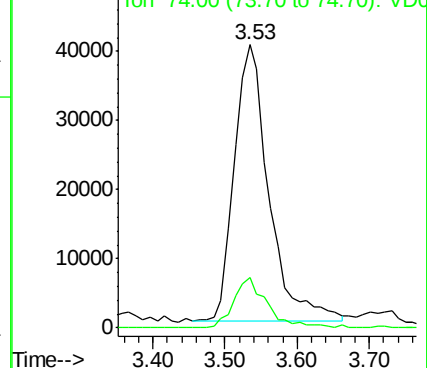
43 100

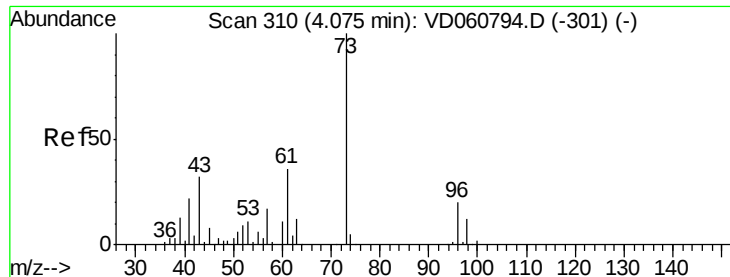
74 17.7 12.5 18.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

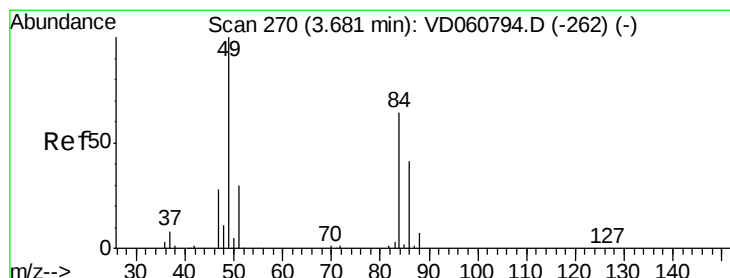
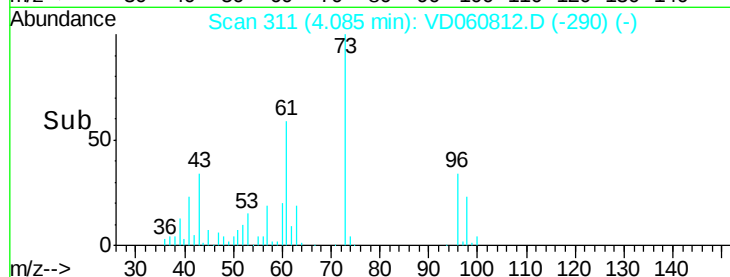
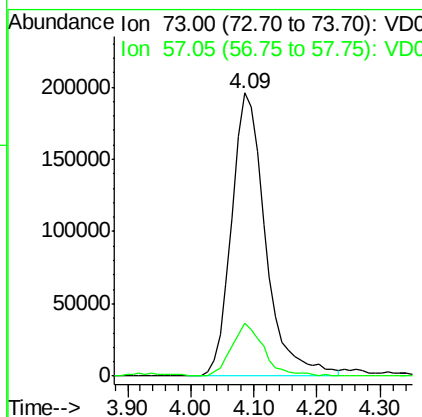
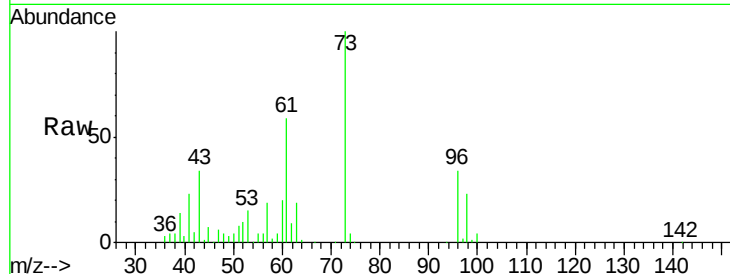




#19
Methyl tert-butyl Ether
Concen: 49.296 ug/l
RT: 4.09 min Scan# 311
Delta R.T. 0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

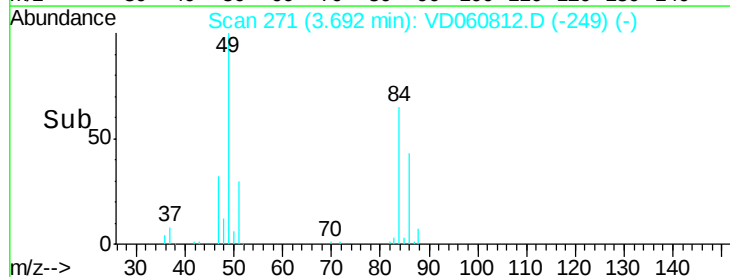
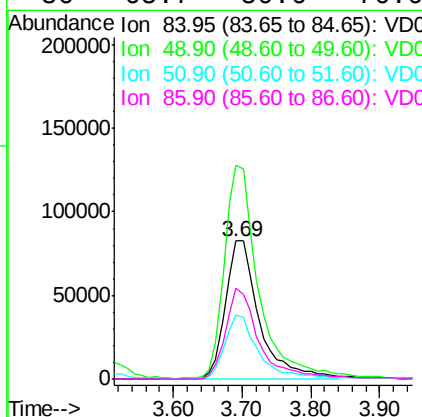
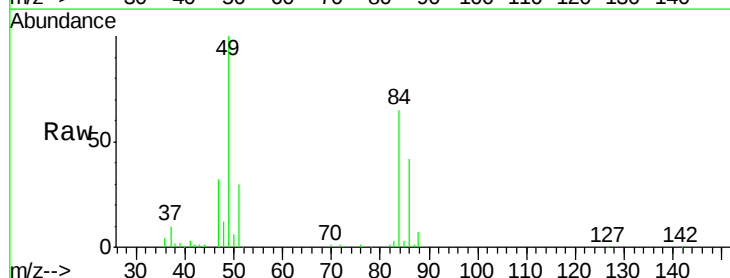
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

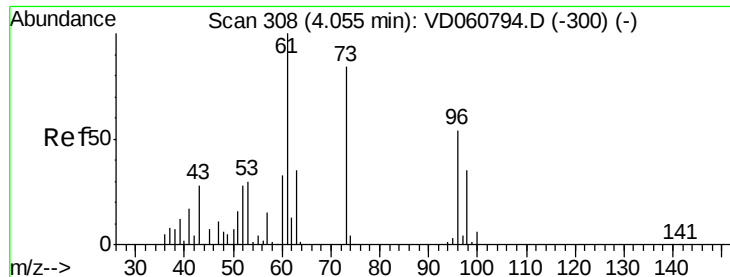
Tot Ion: 73 Resp: 730018
Ion Ratio Lower Upper
73 100
57 18.7 14.0 21.0



#20
Methylene Chloride
Concen: 46.745 ug/l
RT: 3.69 min Scan# 271
Delta R.T. 0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 84 Resp: 282091
Ion Ratio Lower Upper
84 100
49 154.8 124.2 186.2
51 46.5 38.1 57.1
86 65.7 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 51.058 ug/l

RT: 4.08 min Scan# 310

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

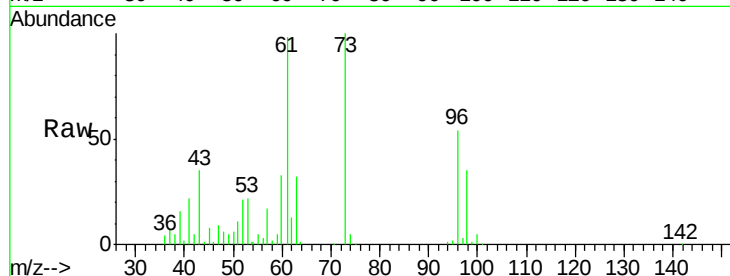
Tot Ion: 96 Resp: 291954

Ion Ratio Lower Upper

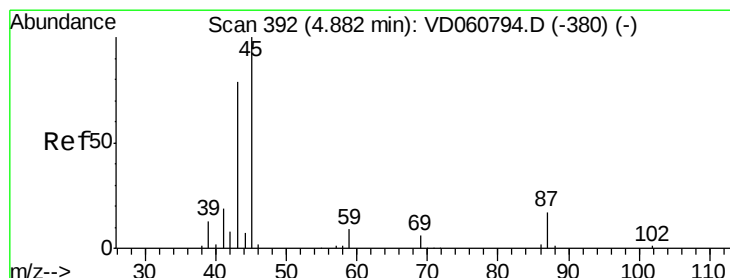
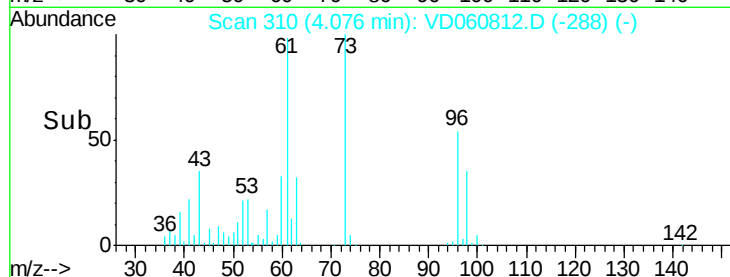
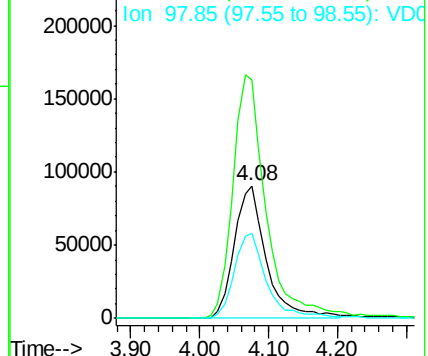
96 100

61 179.9 147.4 221.2

98 64.1 51.5 77.3



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: 49.169 ug/l

RT: 4.90 min Scan# 394

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion: 45 Resp: 956428

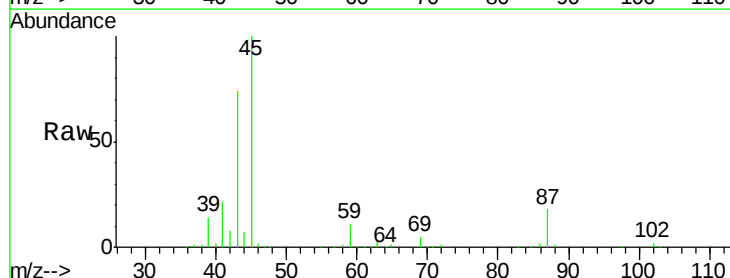
Ion Ratio Lower Upper

45 100

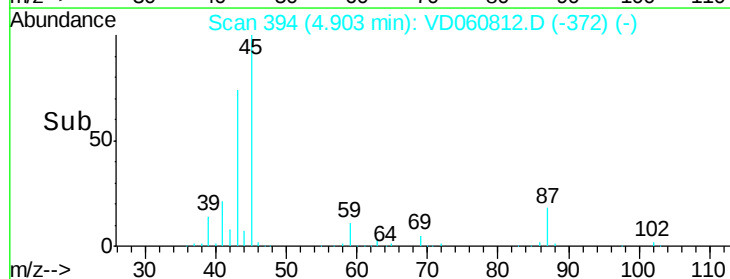
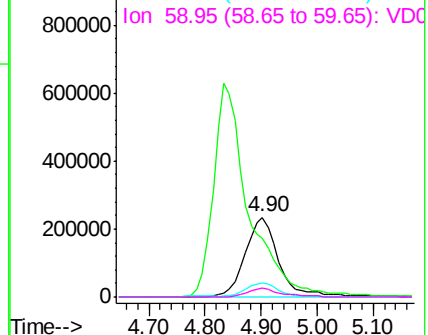
43 73.5 64.3 96.5

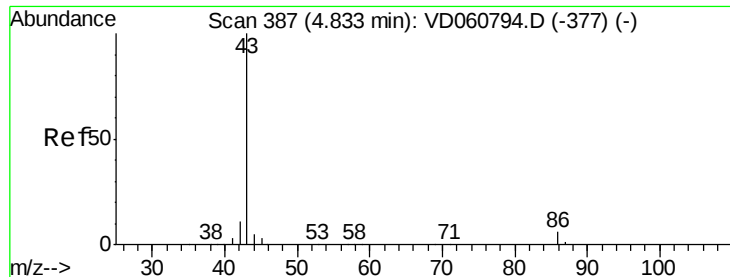
87 17.7 14.3 21.5

59 10.7 7.8 11.8



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: 240.808 ug/l

RT: 4.83 min Scan# 387

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

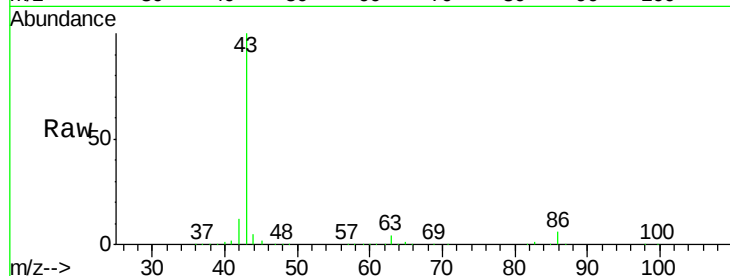
VSTDCCC050

Tot Ion: 43 Resp: 2697462

Ion Ratio Lower Upper

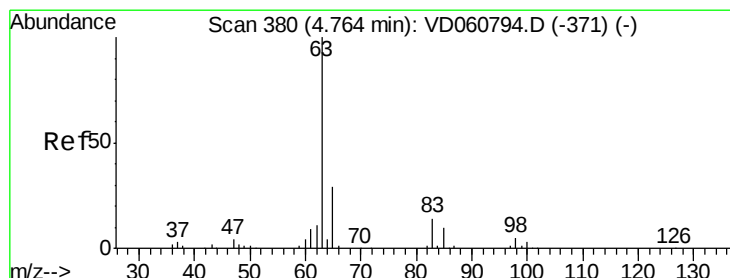
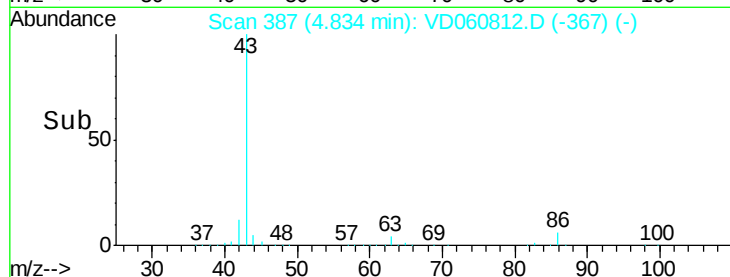
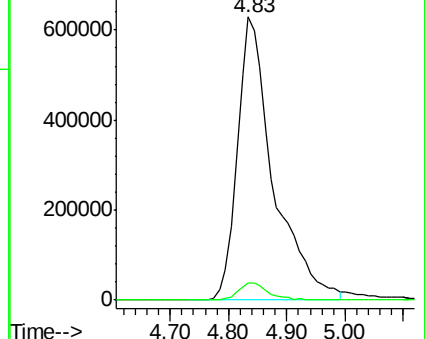
43 100

86 5.9 4.7 7.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.545 ug/l

RT: 4.78 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

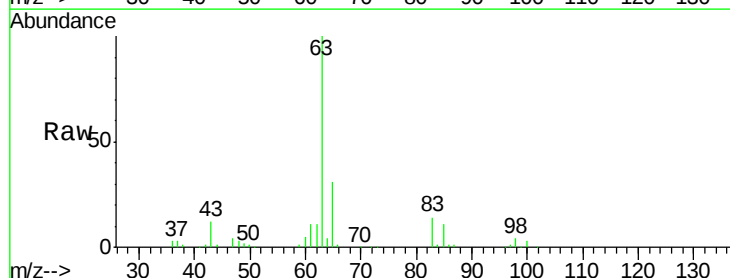
Tgt Ion: 63 Resp: 681838

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

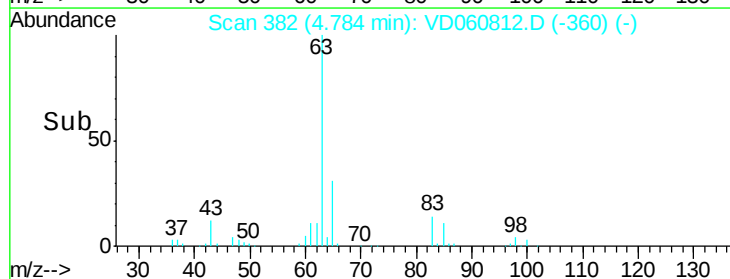
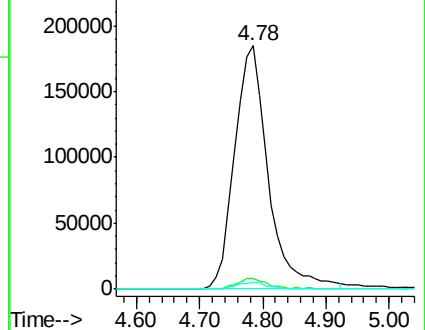
100 2.7 1.3 3.8

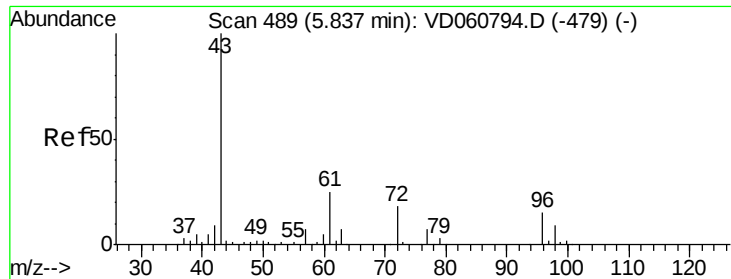


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 230.353 ug/l

RT: 5.84 min Scan# 489

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

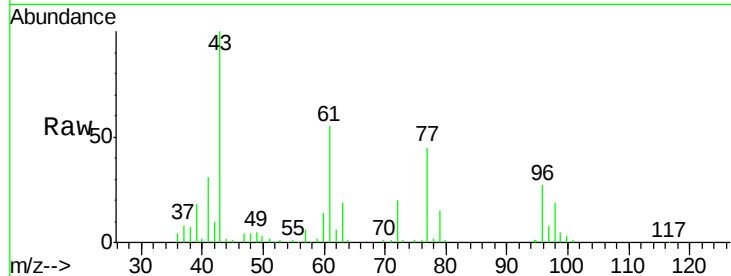
VSTDCCC050

Tot Ion: 43 Resp: 402020

Ion Ratio Lower Upper

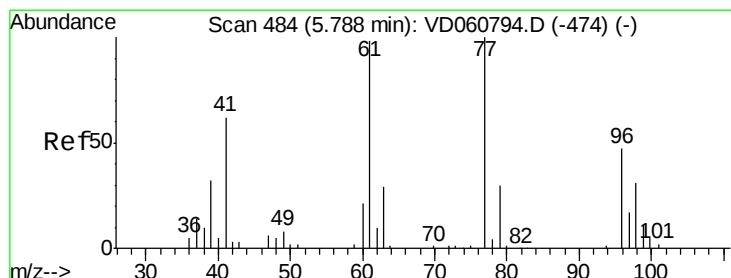
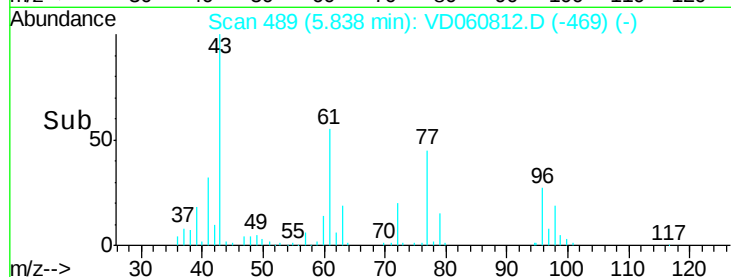
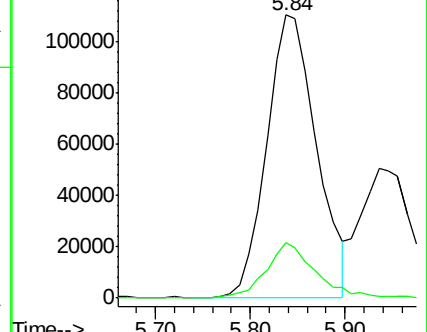
43 100

72 19.6 14.4 21.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 59.647 ug/l

RT: 5.80 min Scan# 485

Delta R.T. 0.01 min

Lab File: VD060812.D

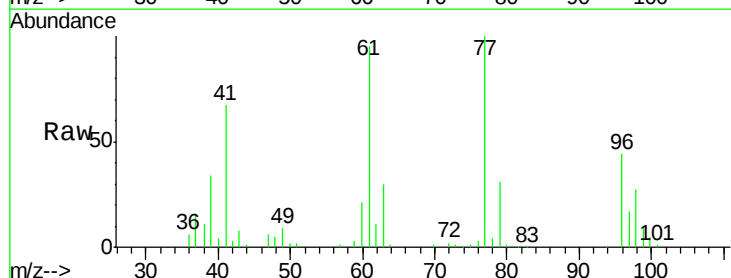
Acq: 1 Feb 2019 11:23

Tgt Ion: 77 Resp: 800303

Ion Ratio Lower Upper

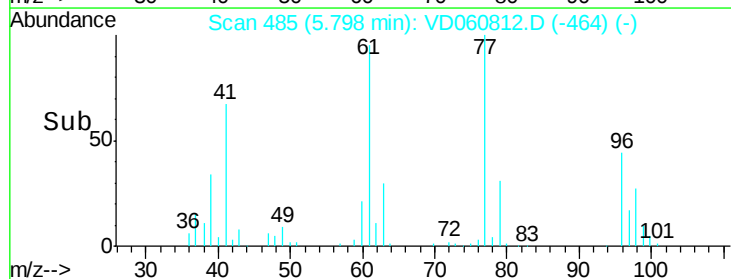
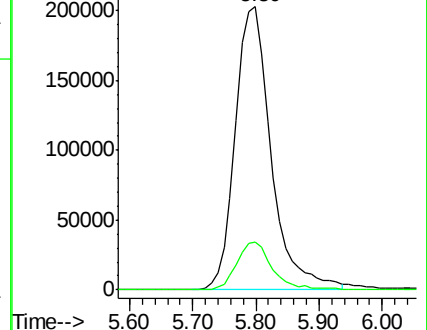
77 100

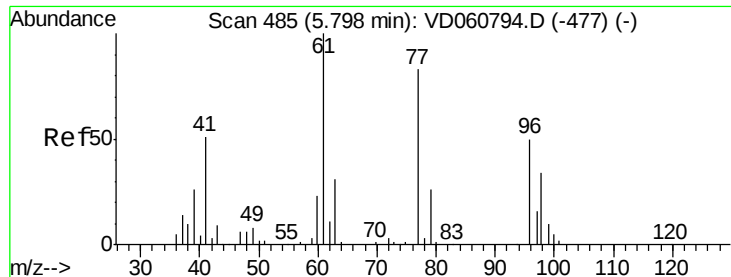
97 16.8 8.3 24.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



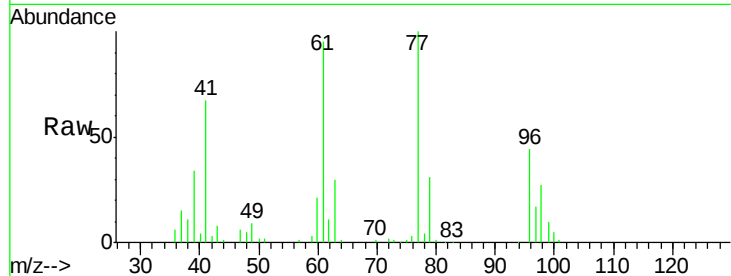


#27

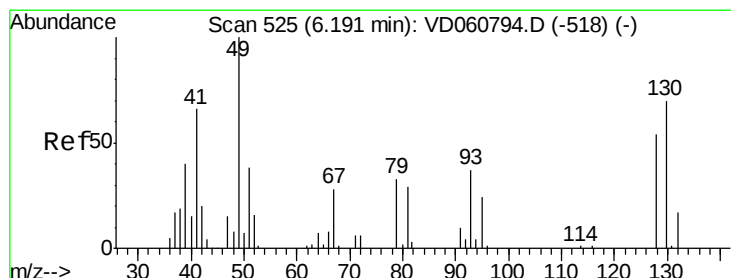
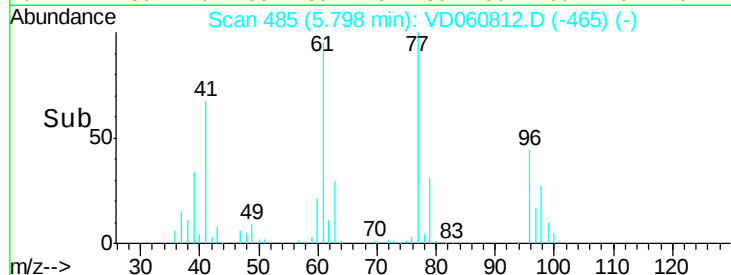
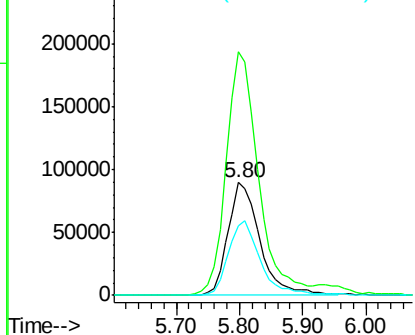
cis-1,2-Dichloroethene
Concen: 48.447 ug/l
RT: 5.80 min Scan# 485
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 315511
Ion Ratio Lower Upper
96 100
61 216.0 0.0 400.0
98 61.8 0.0 136.4



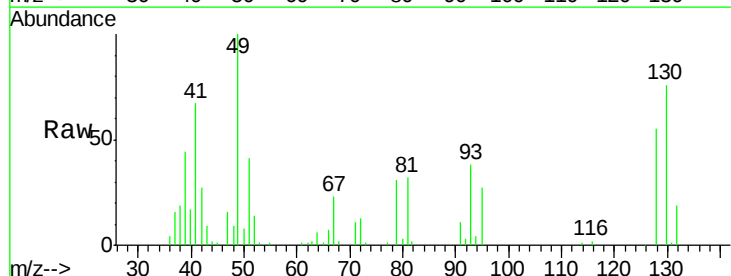
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



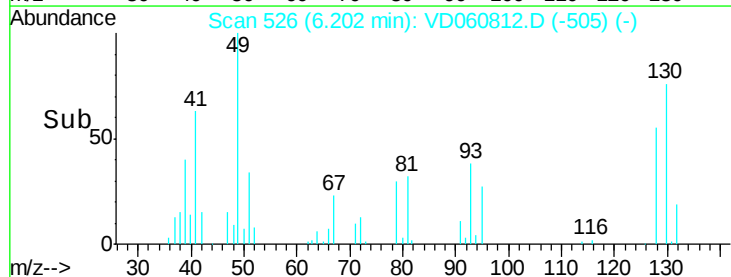
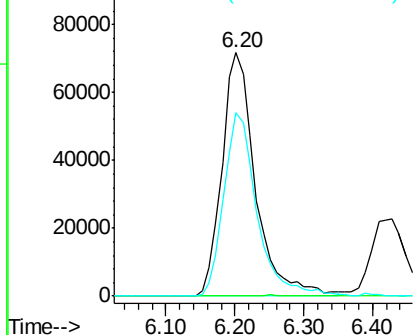
#28

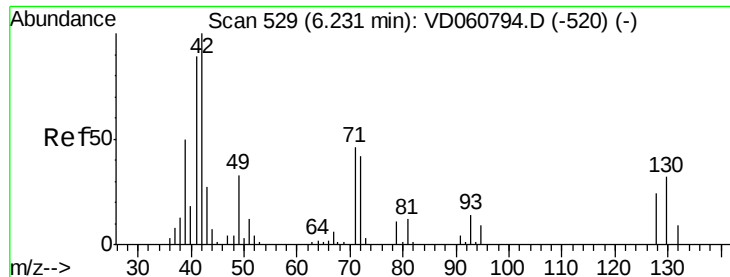
Bromochloromethane
Concen: 48.598 ug/l
RT: 6.20 min Scan# 526
Delta R.T. 0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 49 Resp: 241415
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 75.5 56.1 84.1



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

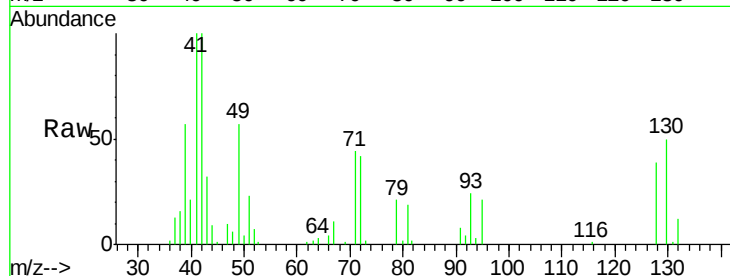




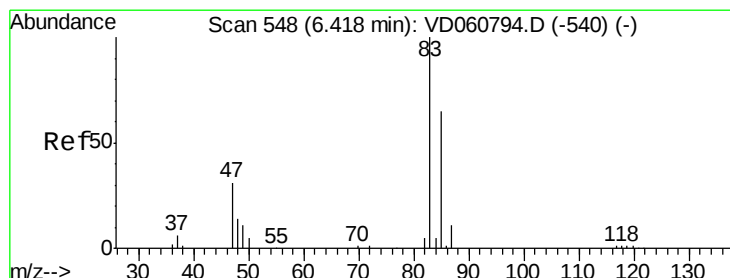
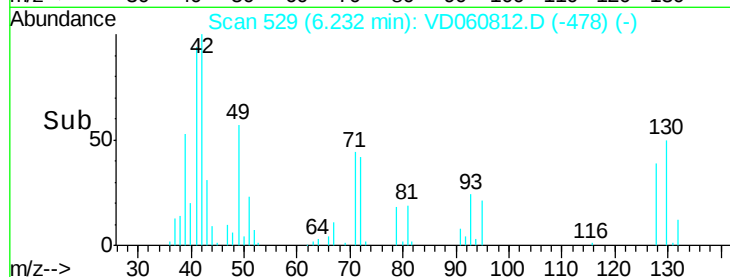
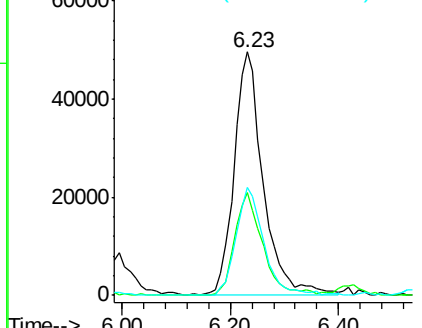
#29
Tetrahydrofuran
Concen: 222.089 ug/l
RT: 6.23 min Scan# 529
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 186133
Ion Ratio Lower Upper
42 100
72 40.4 32.8 49.2
71 41.8 34.6 52.0

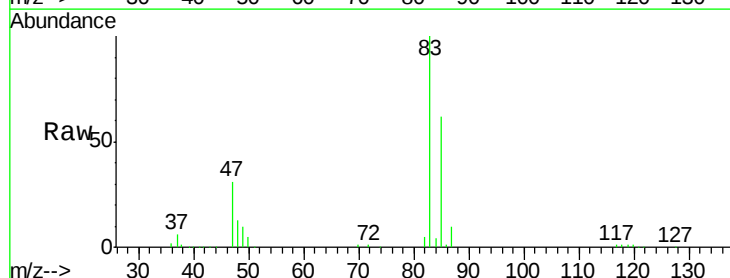


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

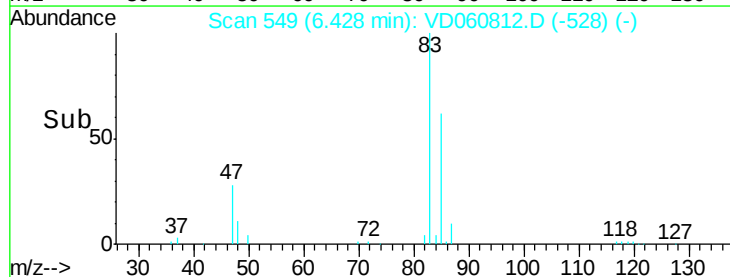
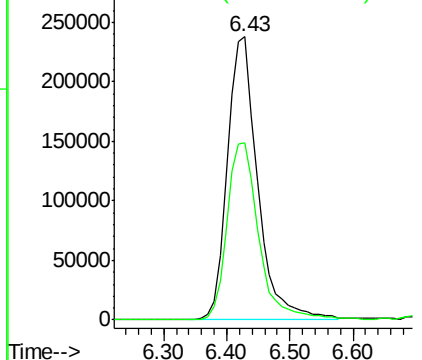


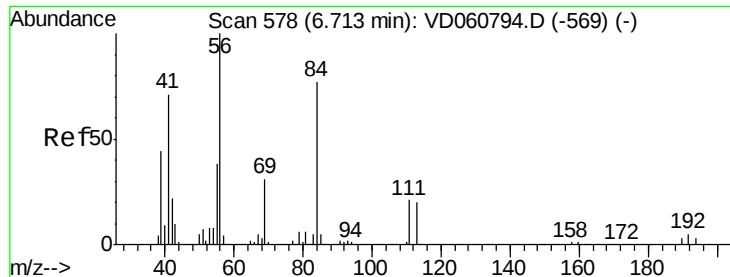
#30
Chloroform
Concen: 52.449 ug/l
RT: 6.43 min Scan# 549
Delta R.T. 0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 83 Resp: 789395
Ion Ratio Lower Upper
83 100
85 62.5 52.3 78.5



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

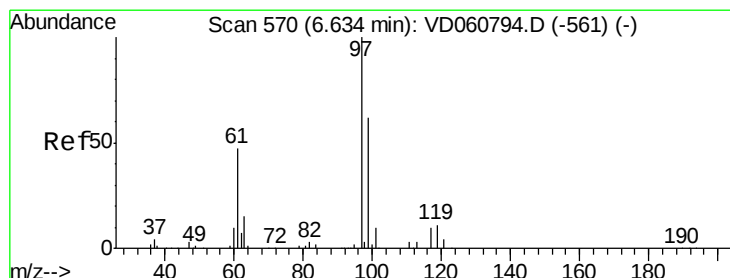
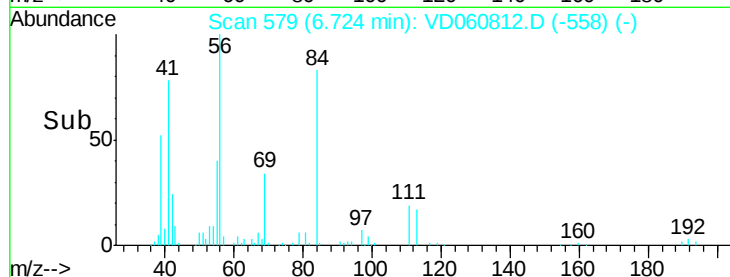
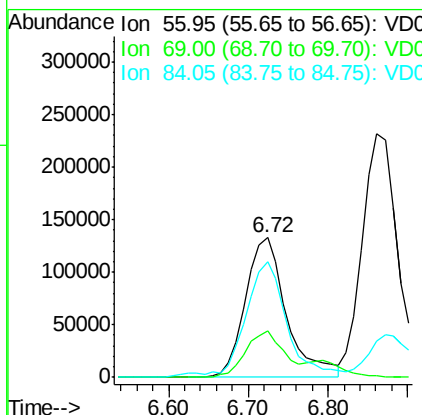
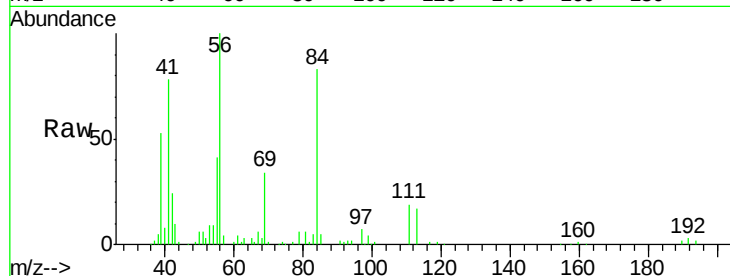




#31
Cyclohexane
Concen: 54.707 ug/l
RT: 6.72 min Scan# 579
Delta R.T. 0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

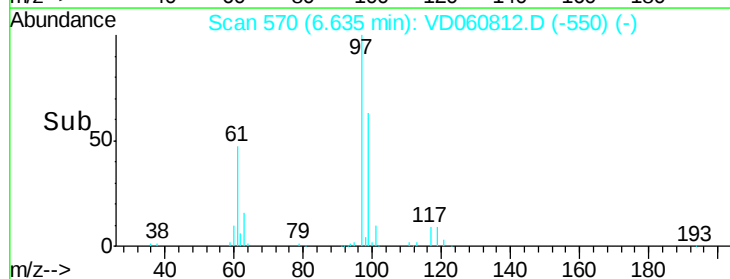
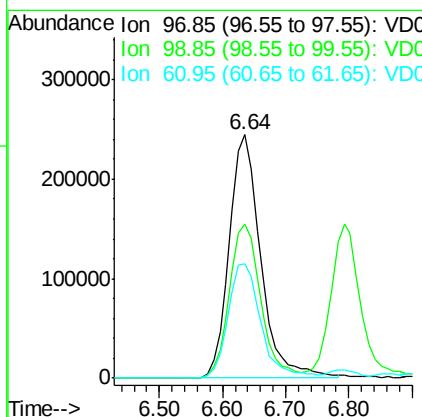
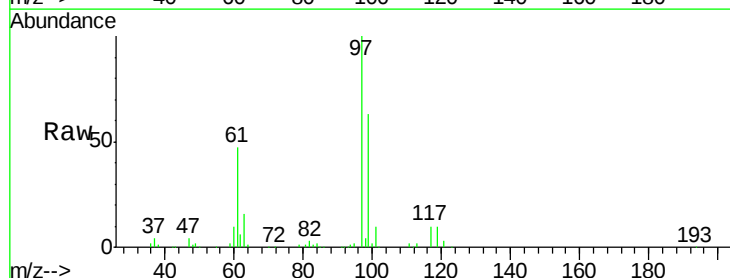
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

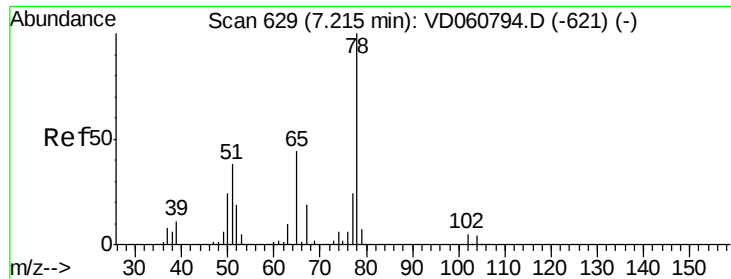
Tot Ion	56	Resp	473984
Ion Ratio	Lower	Upper	
56	100		
69	33.8	25.1	37.7
84	82.9	63.9	95.9



#32
1,1,1-Trichloroethane
Concen: 58.322 ug/l
RT: 6.64 min Scan# 570
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion	97	Resp	845311
Ion Ratio	Lower	Upper	
97	100		
99	63.5	49.6	74.4
61	46.8	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 58.322 ug/l

RT: 7.22 min Scan# 629

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

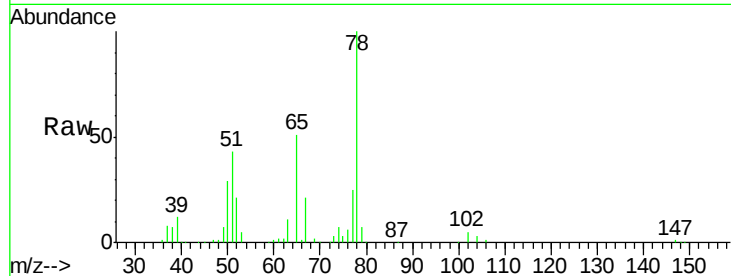
VSTDCCC050

Tot Ion: 65 Resp: 470590

Ion Ratio Lower Upper

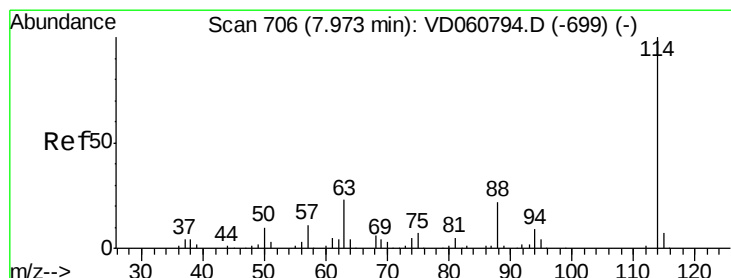
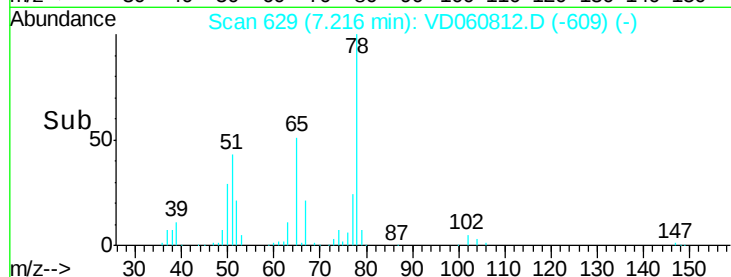
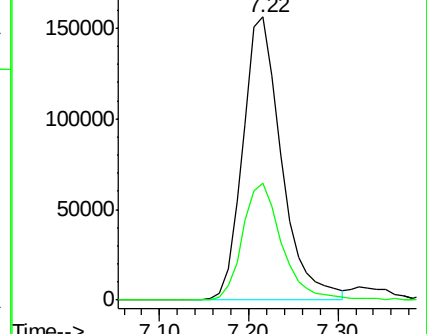
65 100

67 41.4 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

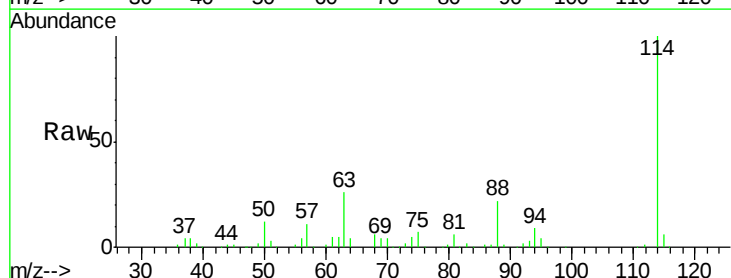
Tgt Ion: 114 Resp: 914259

Ion Ratio Lower Upper

114 100

63 26.4 0.0 46.6

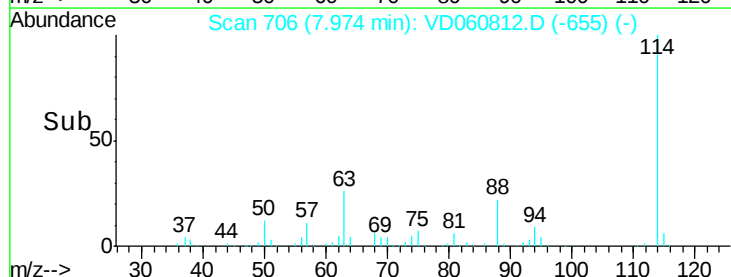
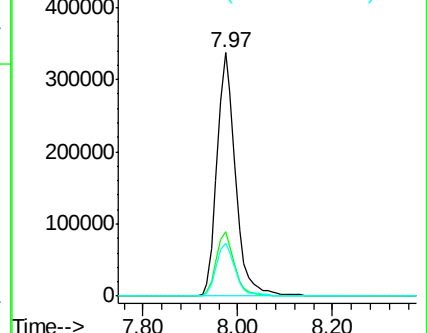
88 21.8 0.0 44.0

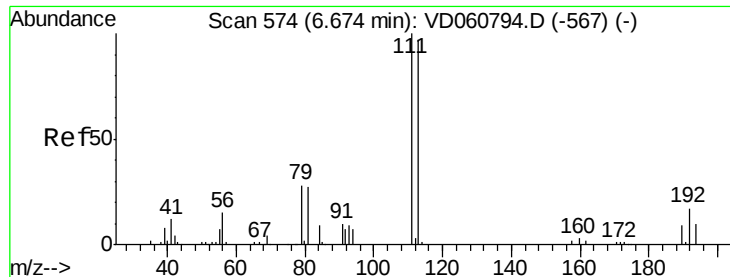


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.68 min Scan# 575

Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

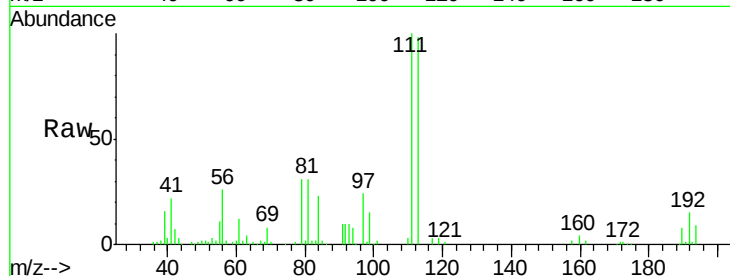
Tot Ion:113 Resp: 403202

Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

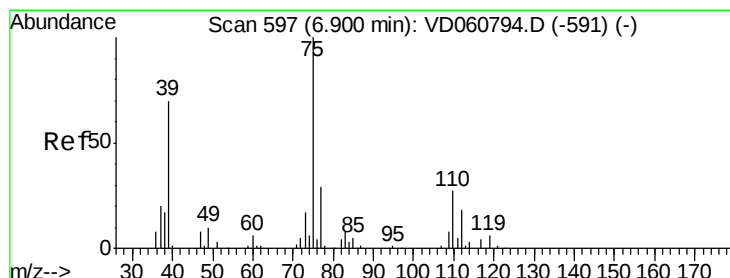
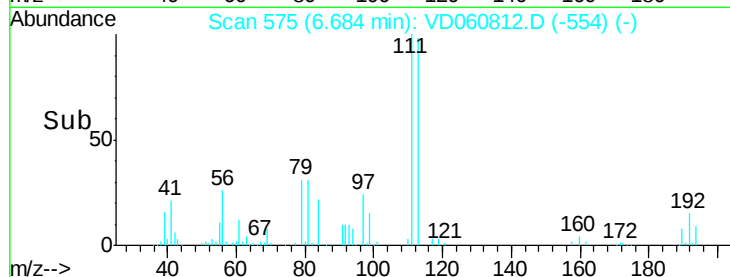
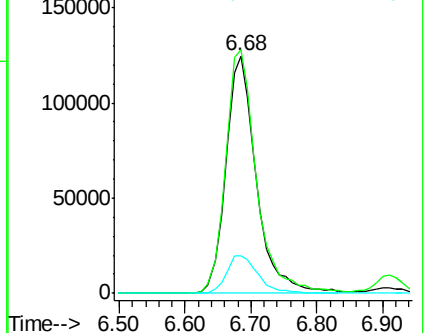
192 15.7 14.4 21.6



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: 50.512 ug/l

RT: 6.91 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

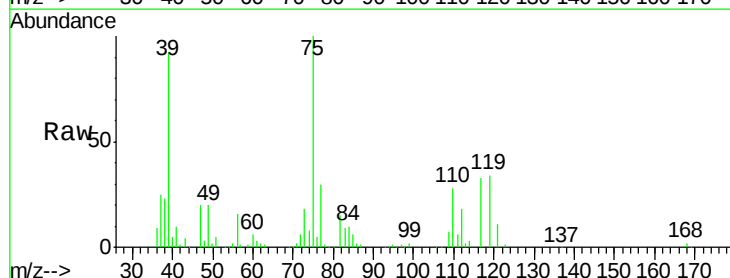
Tgt Ion: 75 Resp: 551394

Ion Ratio Lower Upper

75 100

110 27.9 13.5 40.4

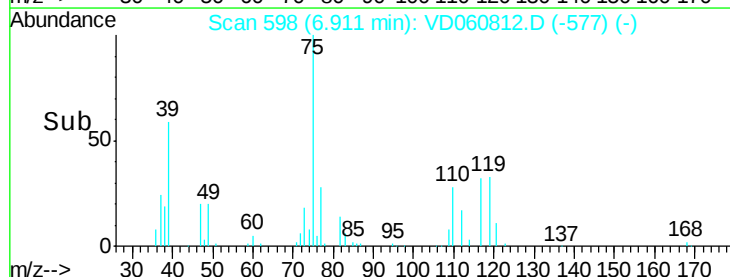
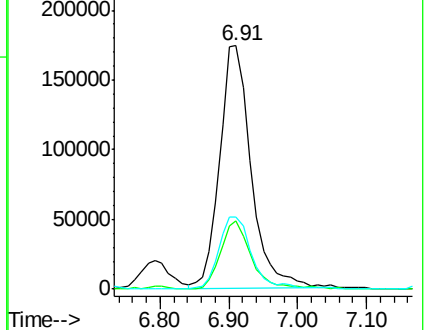
77 29.6 23.4 35.2

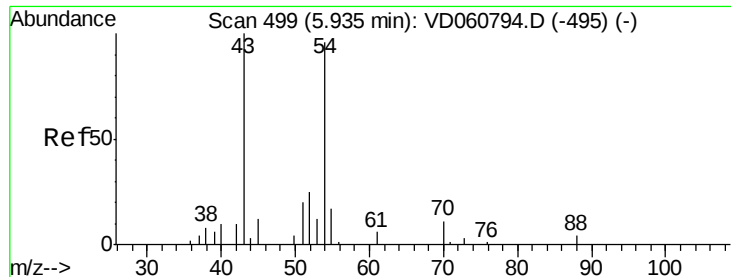


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

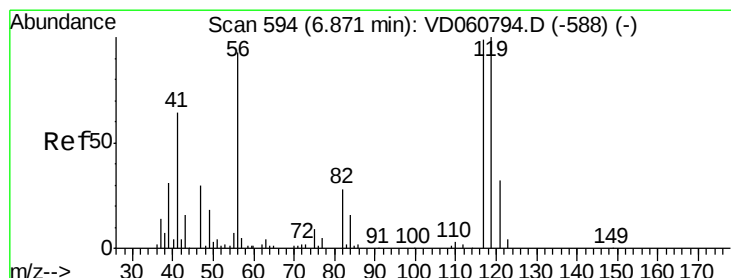
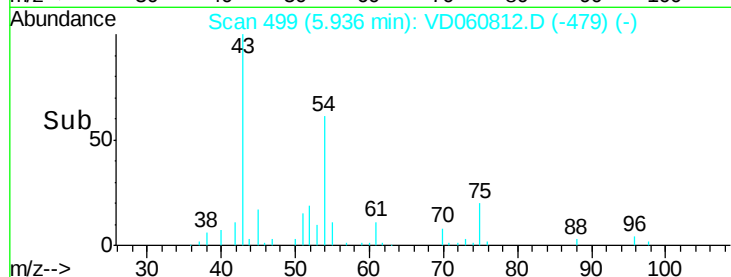
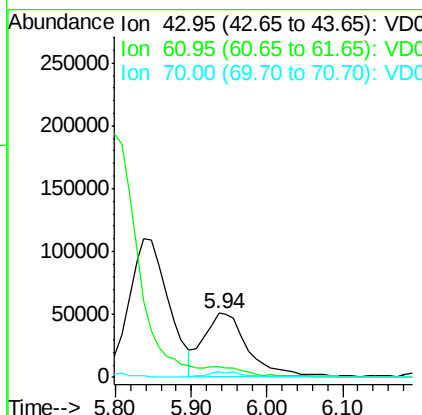
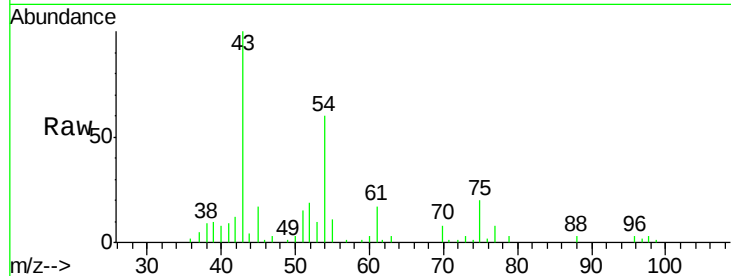




#37
Ethyl Acetate
Concen: 40.992 ug/l
RT: 5.94 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

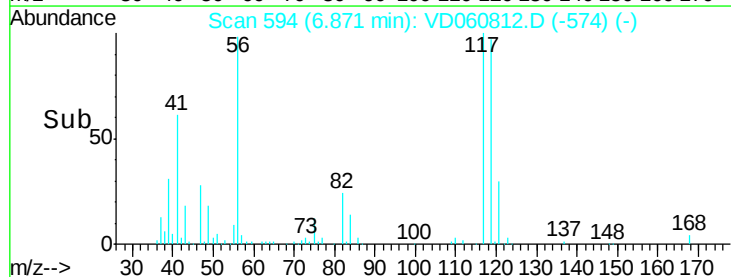
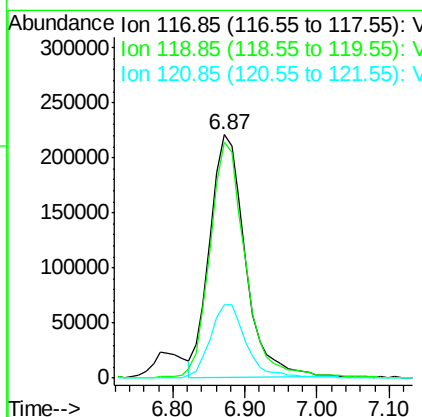
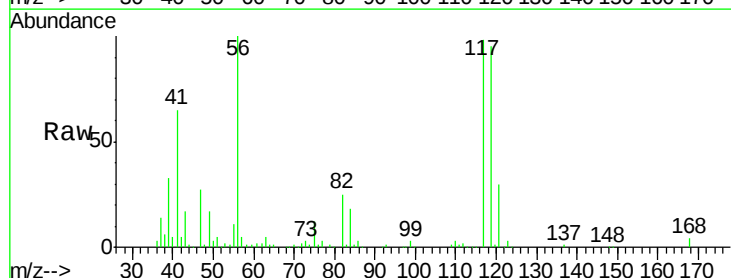
Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

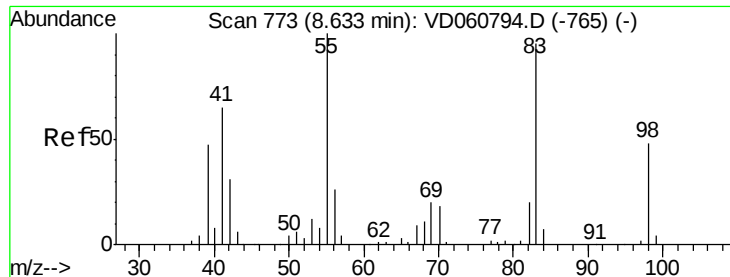
Tot Ion: 43 Resp: 199747
Ion Ratio Lower Upper
43 100
61 16.8 12.3 18.5
70 8.2 7.4 11.0



#38
Carbon Tetrachloride
Concen: 54.520 ug/l
RT: 6.87 min Scan# 594
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 117 Resp: 746298
Ion Ratio Lower Upper
117 100
119 97.0 75.6 113.4
121 30.3 23.4 35.2

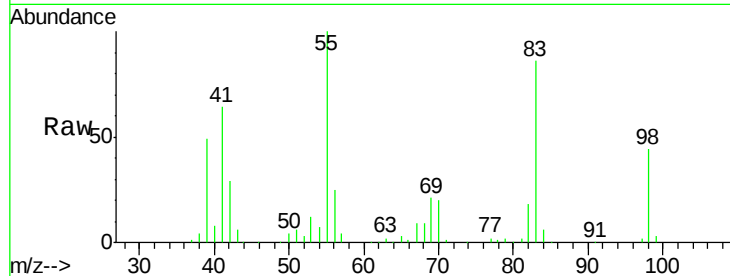




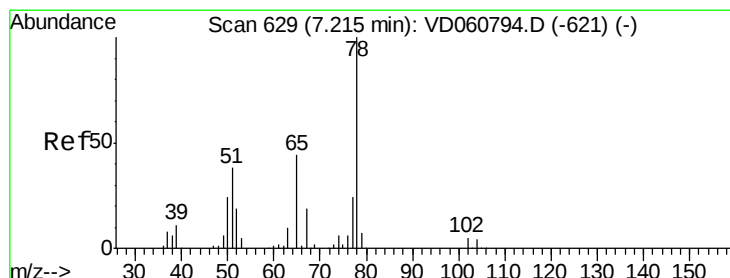
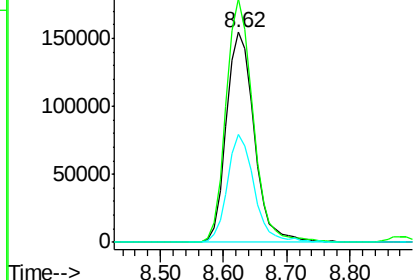
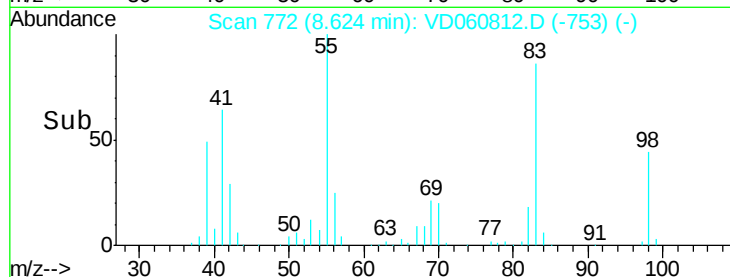
#39
Methvlcvclohexane
Concen: 51.953 ug/l
RT: 8.62 min Scan# 772
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 474938
Ion Ratio Lower Upper
83 100
55 116.1 83.8 125.8
98 51.7 39.8 59.8

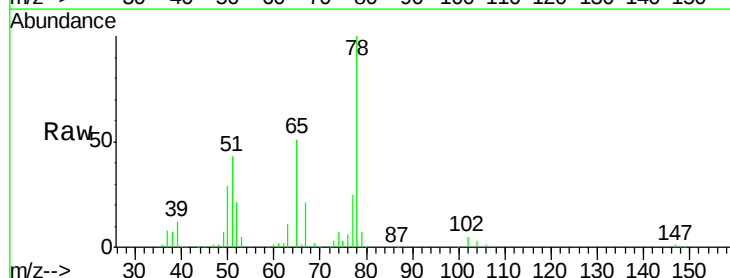


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

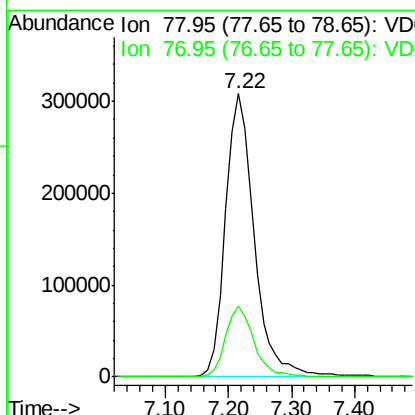
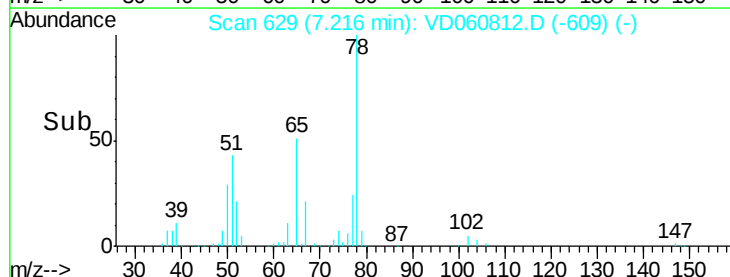


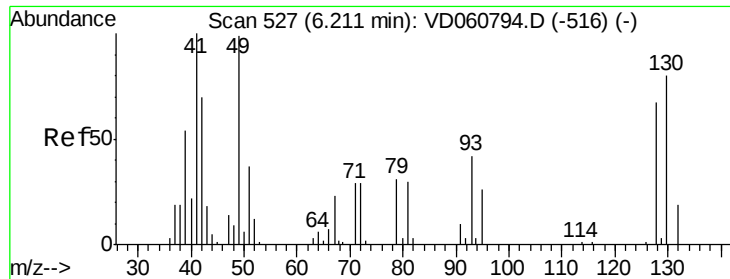
#40
Benzene
Concen: 45.066 ug/l
RT: 7.22 min Scan# 629
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 78 Resp: 970938
Ion Ratio Lower Upper
78 100
77 24.8 18.9 28.3



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





#41

Methacrylonitrile

Concen: 86.020 ug/l

RT: 6.22 min Scan# 528

Delta R.T. 0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 266203

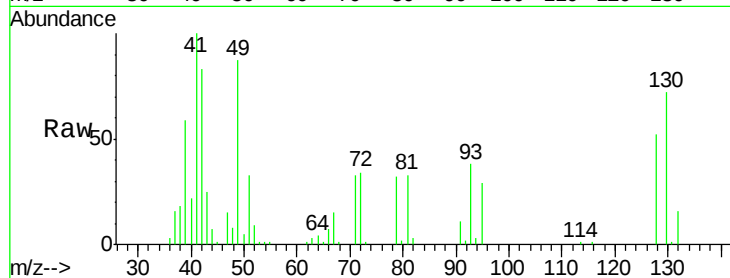
Ion Ratio Lower Upper

41 100

39 59.2 43.6 65.4

67 15.2 18.5 27.7#

52 8.8 10.2 15.2#

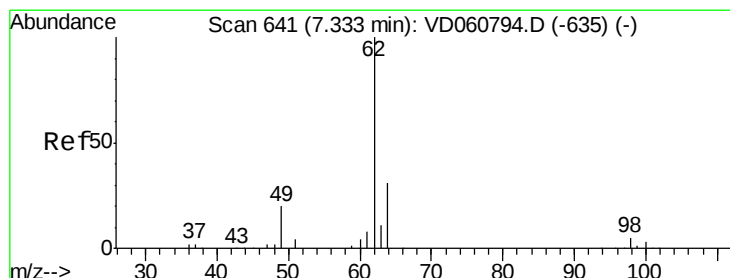
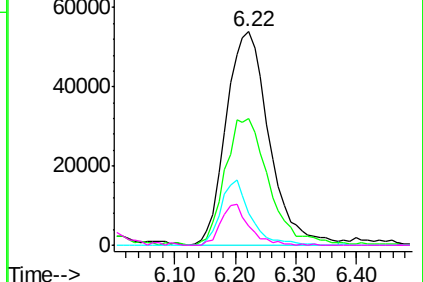
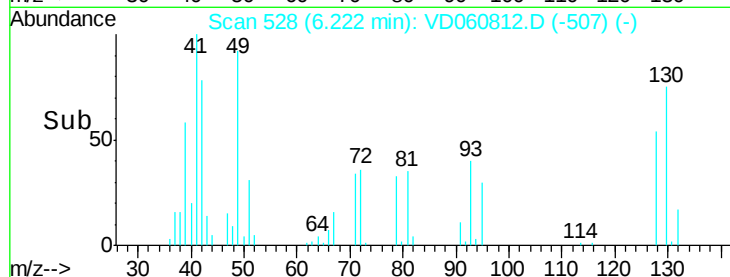


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 50.054 ug/l

RT: 7.34 min Scan# 642

Delta R.T. 0.01 min

Lab File: VD060812.D

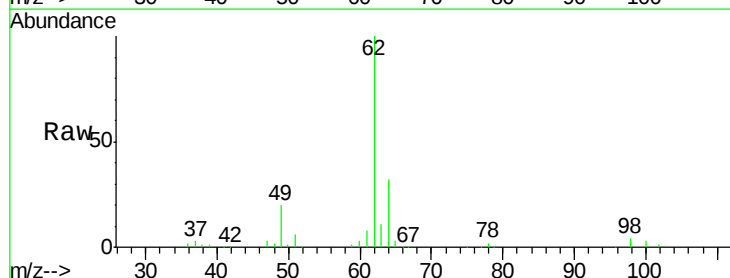
Acq: 1 Feb 2019 11:23

Tgt Ion: 62 Resp: 626483

Ion Ratio Lower Upper

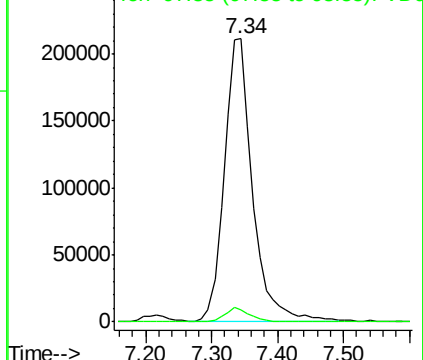
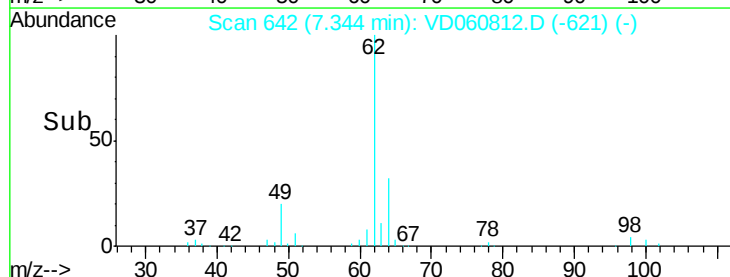
62 100

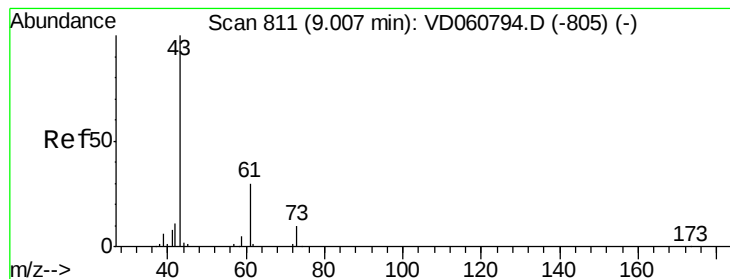
98 4.4 0.0 10.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 42.914 ug/l

RT: 9.00 min Scan# 810

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

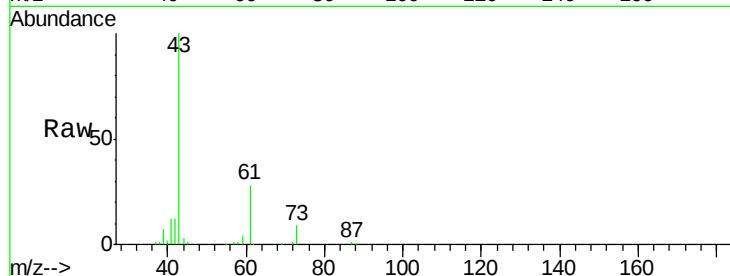
Tot Ion: 43 Resp: 272740

Ion Ratio Lower Upper

43 100

61 28.4 24.1 36.1

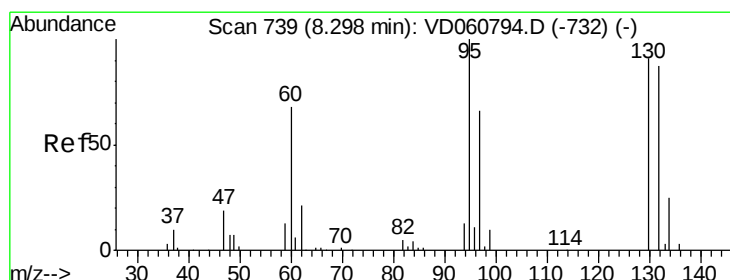
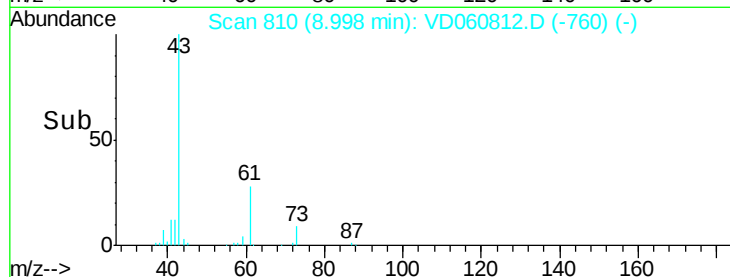
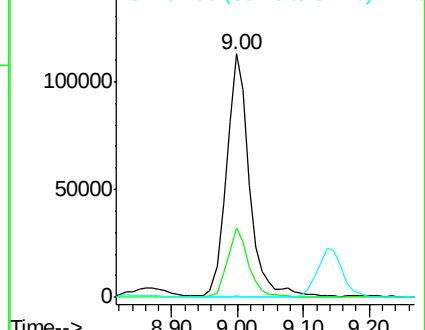
87 0.6 0.0 0.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 50.118 ug/l

RT: 8.30 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD060812.D

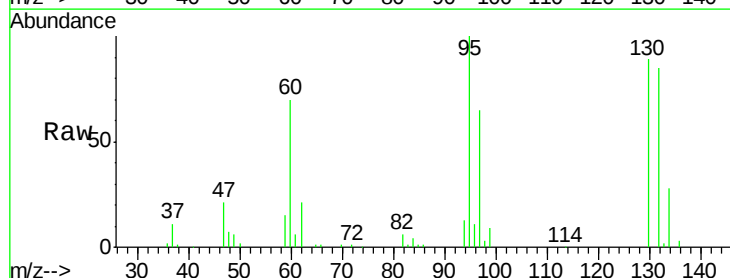
Acq: 1 Feb 2019 11:23

Tgt Ion:130 Resp: 366046

Ion Ratio Lower Upper

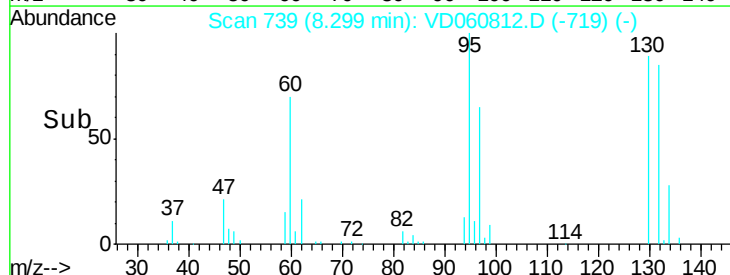
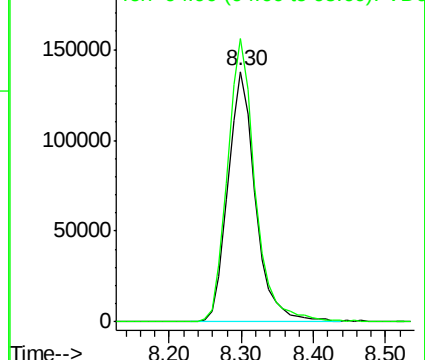
130 100

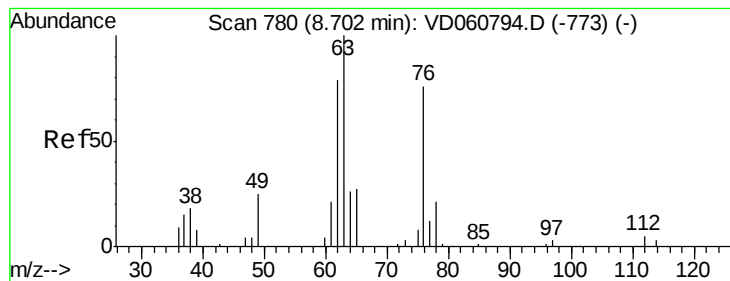
95 112.9 0.0 221.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 48.100 ug/l

RT: 8.70 min Scan# 780

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

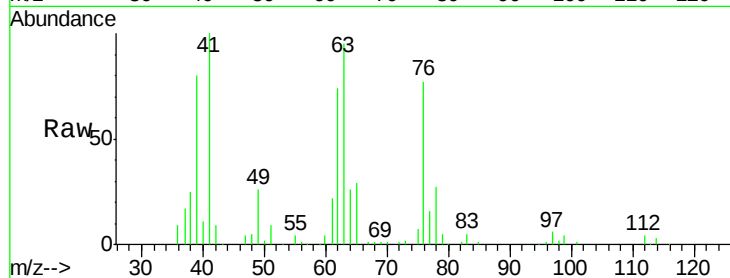
VSTDCCC050

Tot Ion: 63 Resp: 280525

Ion Ratio Lower Upper

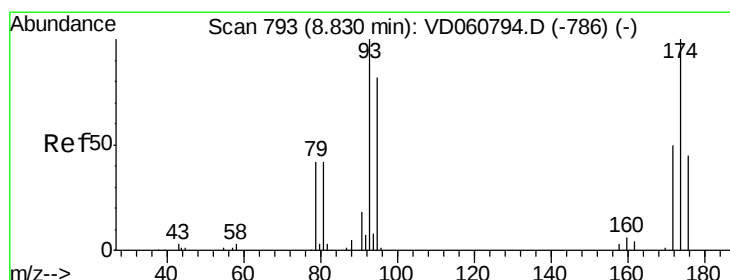
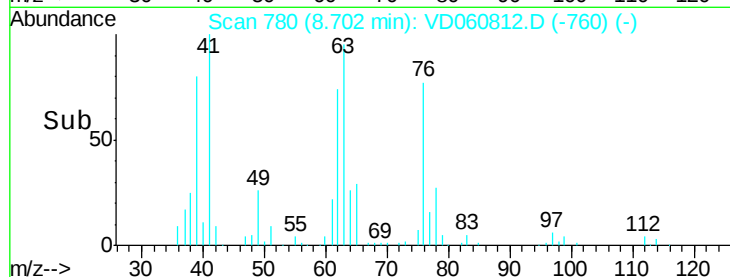
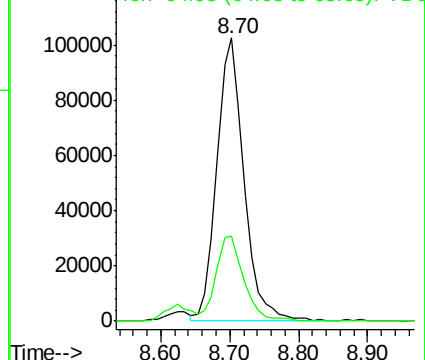
63 100

65 30.1 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 48.932 ug/l

RT: 8.83 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

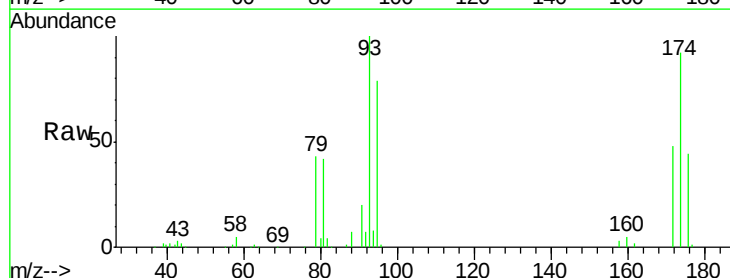
Tgt Ion: 93 Resp: 221537

Ion Ratio Lower Upper

93 100

95 78.8 65.8 98.8

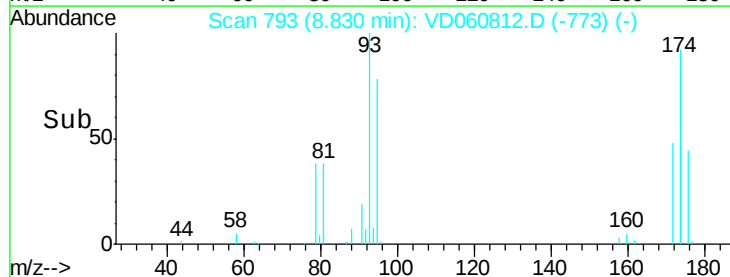
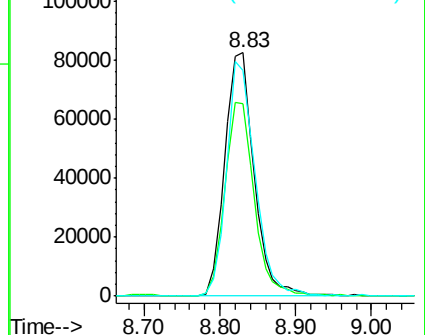
174 92.4 79.8 119.6

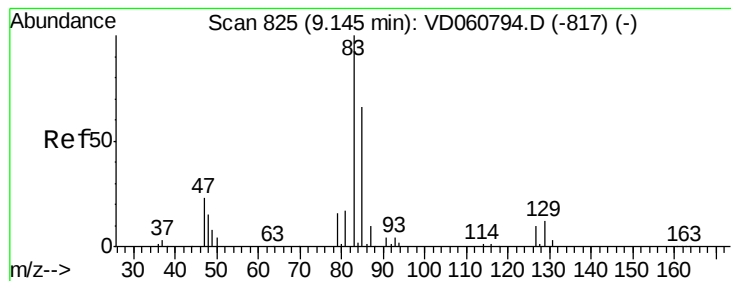


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 50.090 ug/l

RT: 9.14 min Scan# 824

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

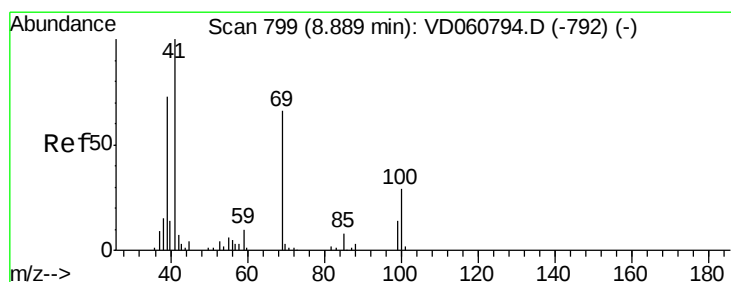
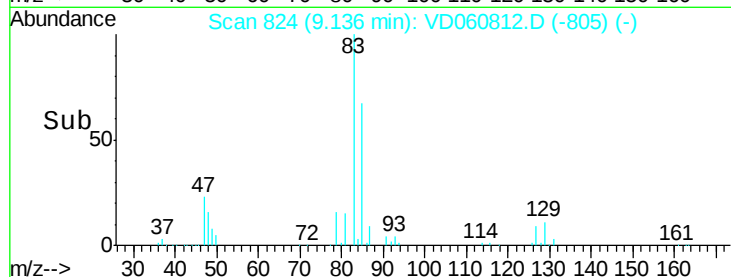
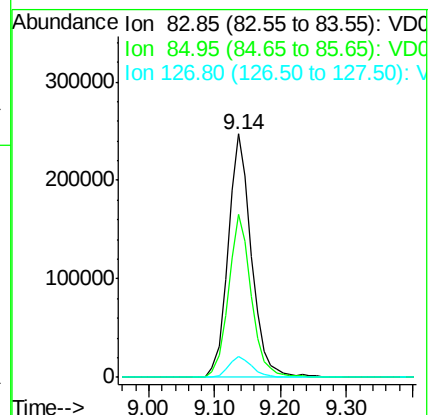
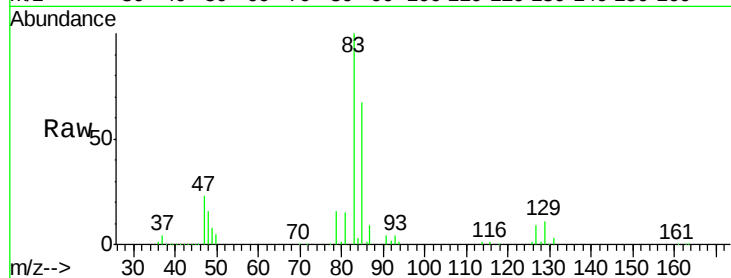
Tot Ion: 83 Resp: 612122

Ion Ratio Lower Upper

83 100

85 67.1 52.6 79.0

127 8.6 7.7 11.5



#48

Methyl methacrylate

Concen: 43.941 ug/l

RT: 8.88 min Scan# 798

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

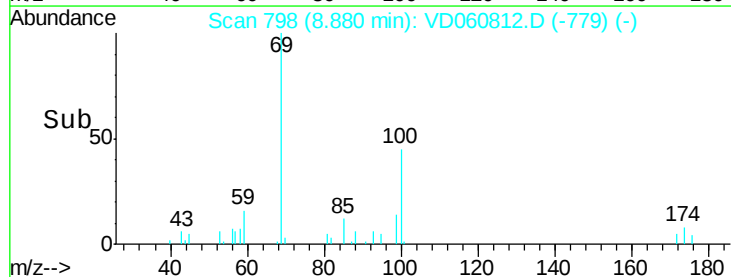
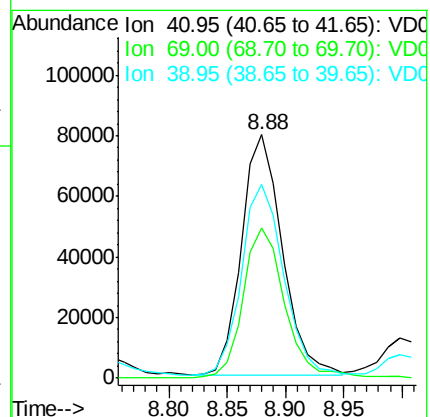
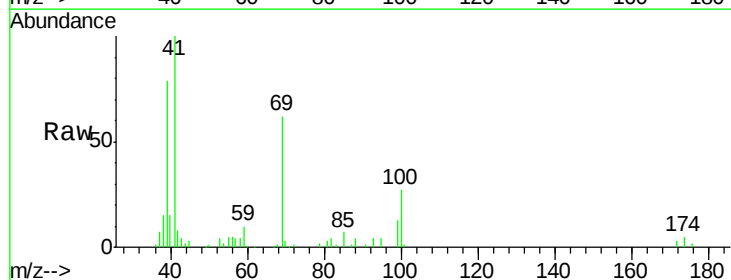
Tgt Ion: 41 Resp: 192580

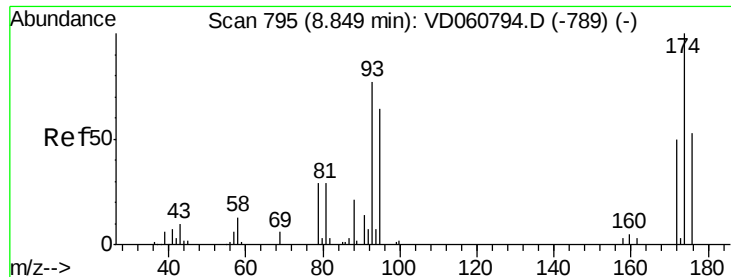
Ion Ratio Lower Upper

41 100

69 61.5 52.5 78.7

39 79.3 59.0 88.6

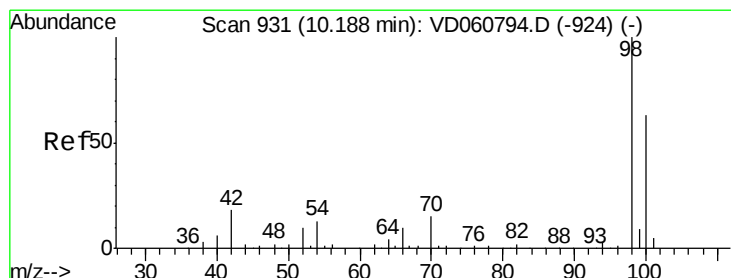
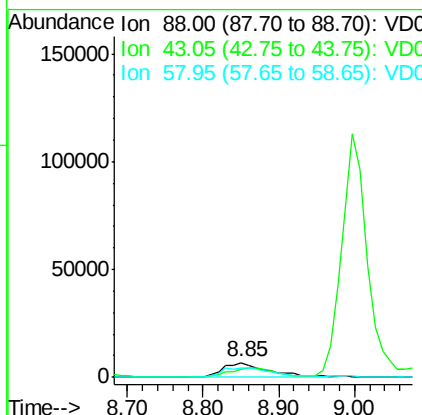
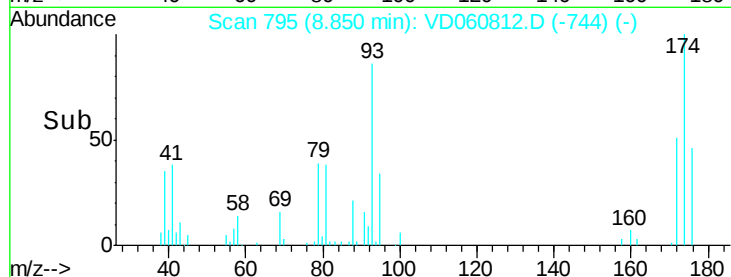
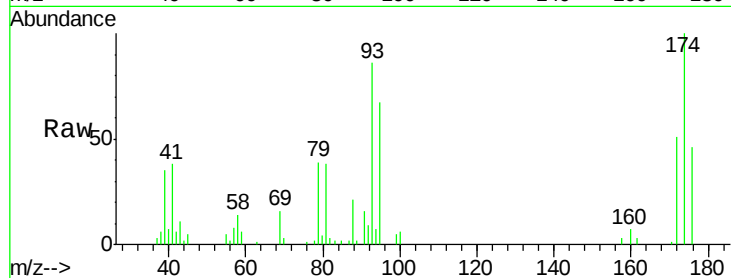




#49
1,4-Dioxane
Concen: 769.952 ug/l
RT: 8.85 min Scan# 795
Delta R.T. 0.00 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

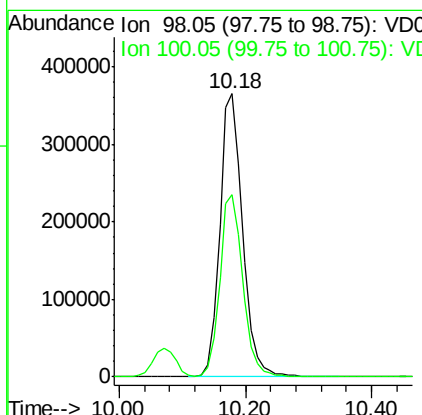
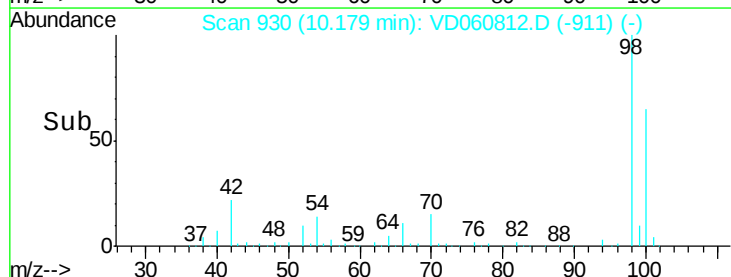
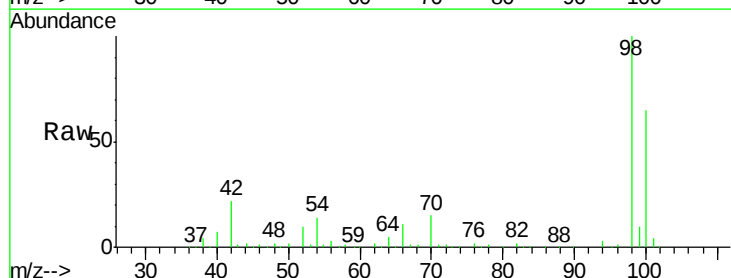
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

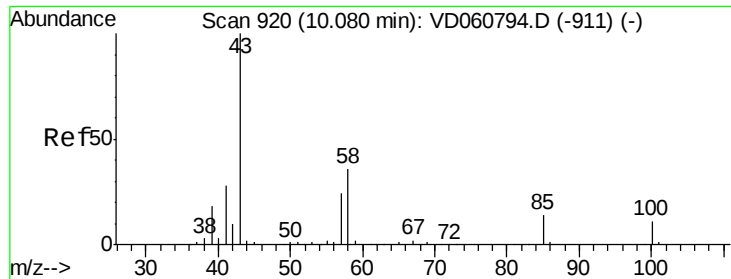
Tot Ion: 88 Resp: 28953
Ion Ratio Lower Upper
88 100
43 52.1 40.9 61.3
58 65.7 52.2 78.4



#50
Toluene-d8
Concen: 769.952 ug/l
RT: 10.18 min Scan# 930
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 98 Resp: 915115
Ion Ratio Lower Upper
98 100
100 64.6 51.0 76.6

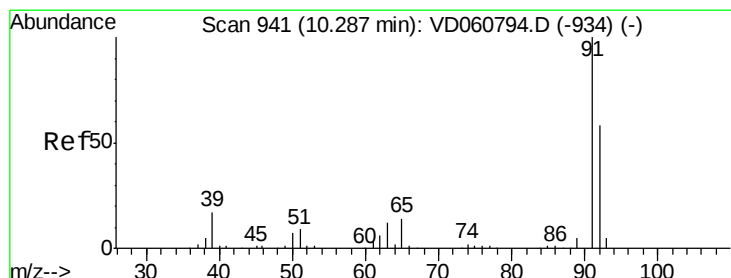
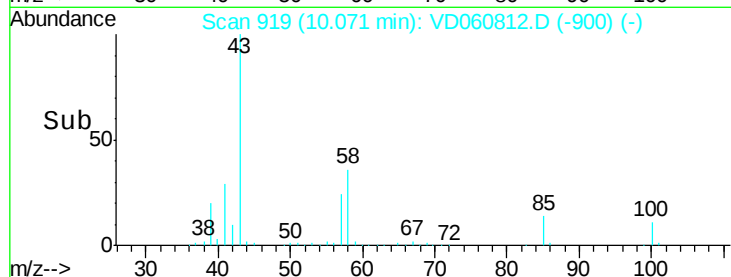
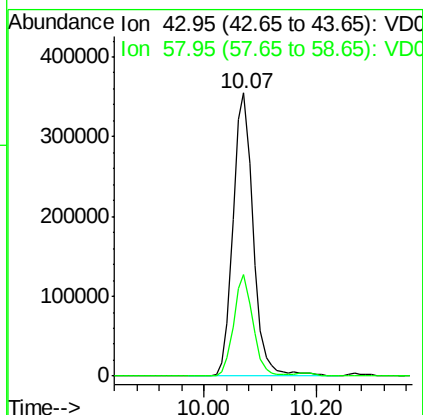
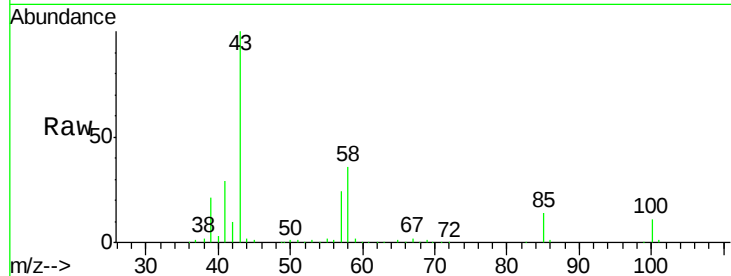




#51
4-Methyl-2-Pentanone
Concen: 215.100 ug/l
RT: 10.07 min Scan# 919
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

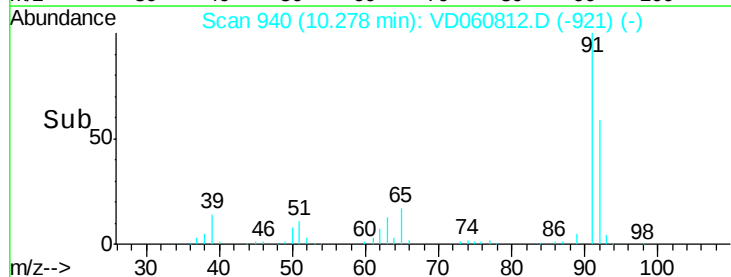
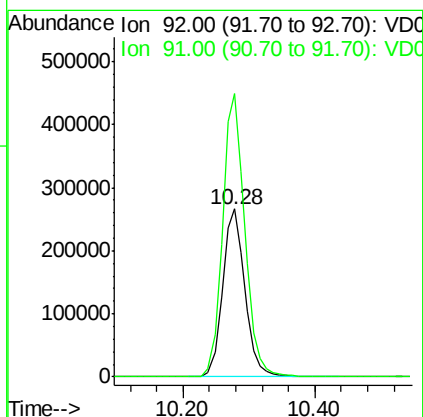
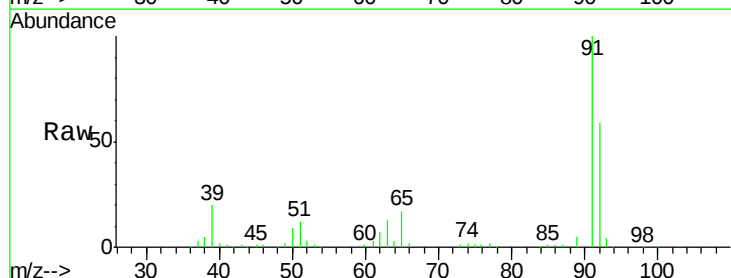
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

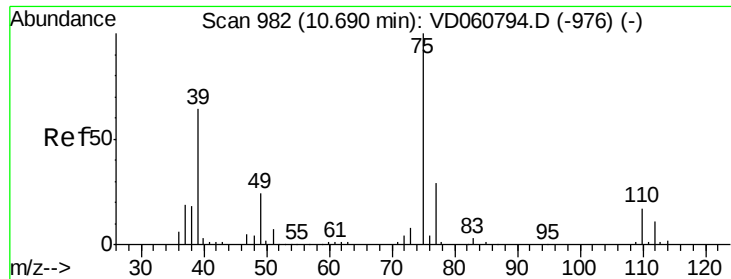
Tot Ion: 43 Resp: 885299
Ion Ratio Lower Upper
43 100
58 35.9 28.4 42.6



#52
Toluene
Concen: 45.860 ug/l
RT: 10.28 min Scan# 940
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 92 Resp: 626738
Ion Ratio Lower Upper
92 100
91 168.8 137.7 206.5

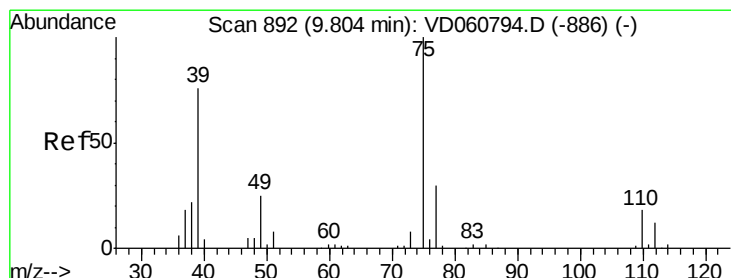
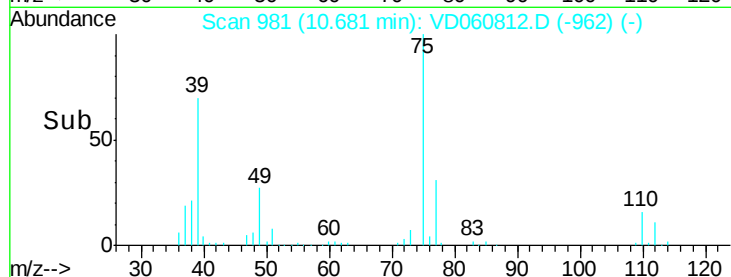
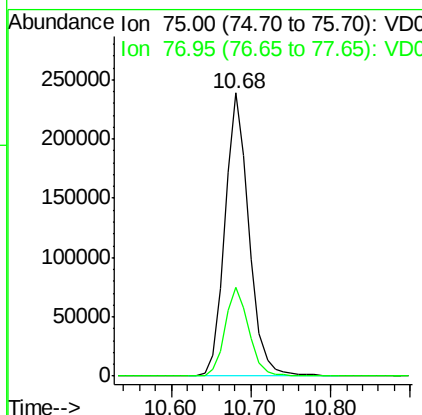
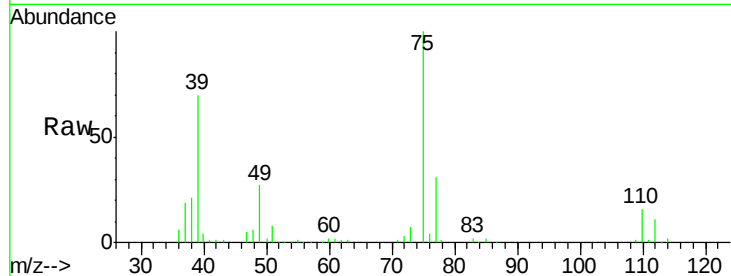




#53
 t-1,3-Dichloropropene
 Concen: 47.108 ug/l
 RT: 10.68 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

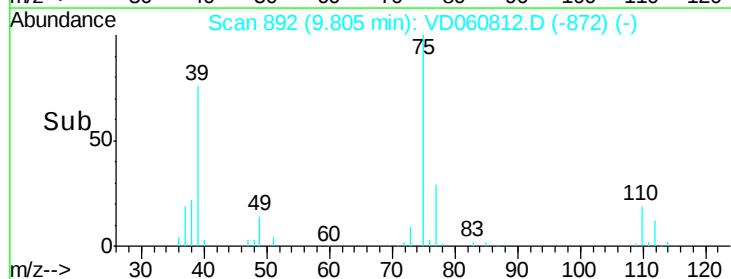
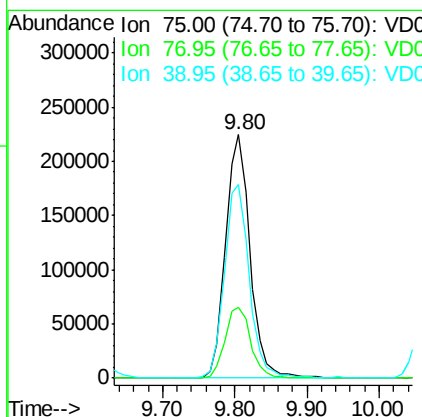
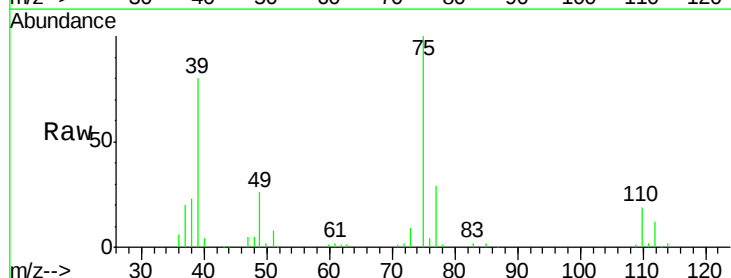
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

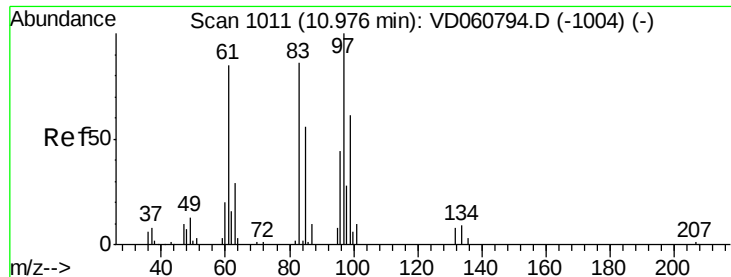
Tot Ion: 75 Resp: 506382
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.0 34.6



#54
 cis-1,3-Dichloropropene
 Concen: 48.055 ug/l
 RT: 9.80 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion: 75 Resp: 529715
 Ion Ratio Lower Upper
 75 100
 77 29.1 23.9 35.9
 39 79.6 60.4 90.6





#55

1,1,2-Trichloroethane

Concen: 45.247 ug/l

RT: 10.96 min Scan# 1009

Delta R.T. -0.02 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 210827

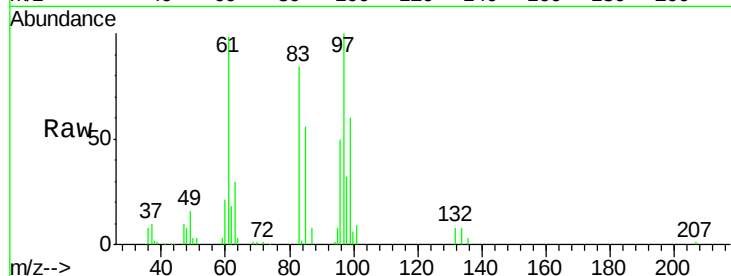
Ion Ratio Lower Upper

97 100

83 84.4 68.5 102.7

85 55.7 45.0 67.6

99 60.1 49.0 73.4

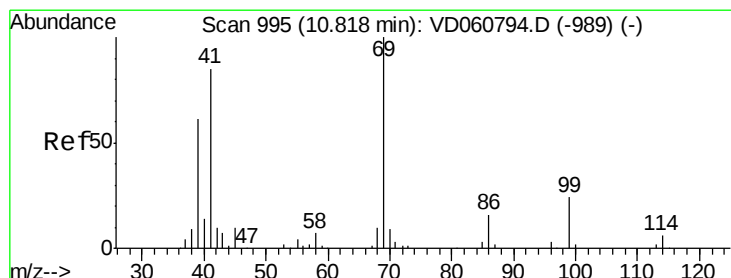
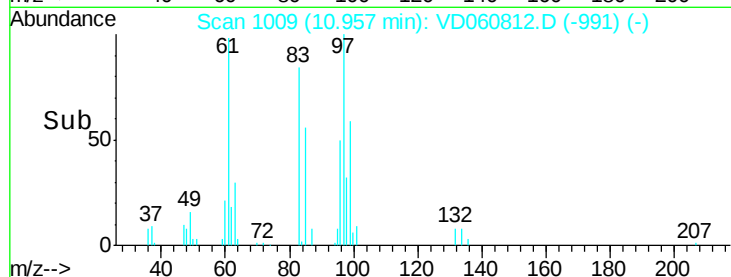
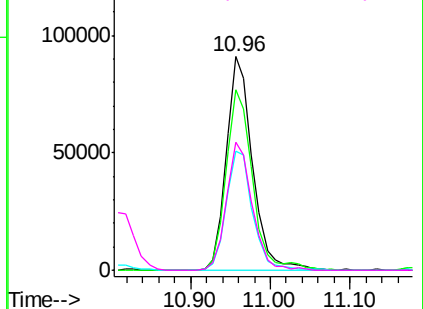


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 41.606 ug/l

RT: 10.81 min Scan# 994

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

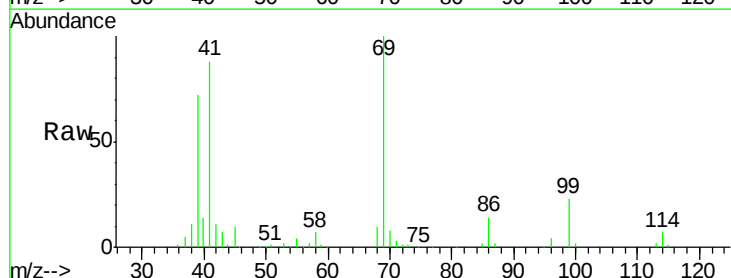
Tgt Ion: 69 Resp: 234844

Ion Ratio Lower Upper

69 100

41 87.6 68.2 102.2

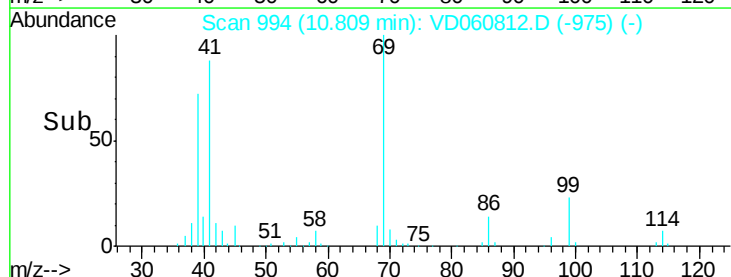
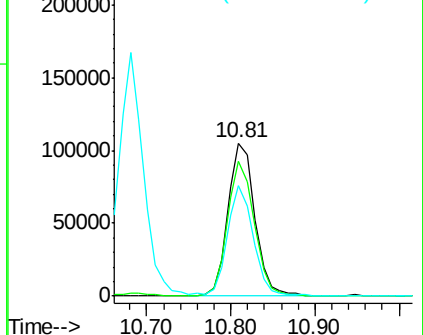
39 72.1 49.4 74.0

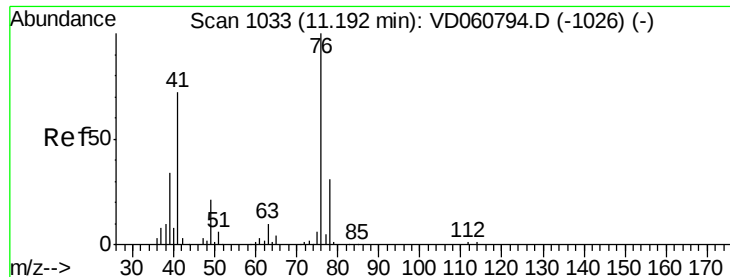


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 45.020 ug/l

RT: 11.18 min Scan# 1032

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

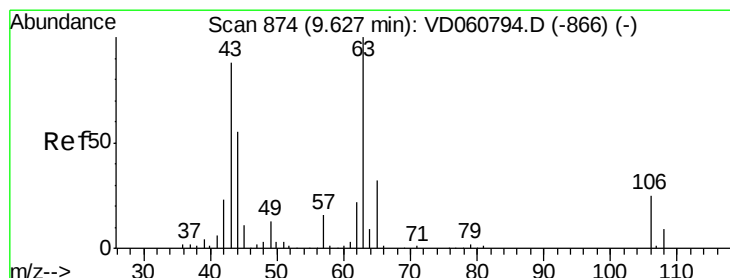
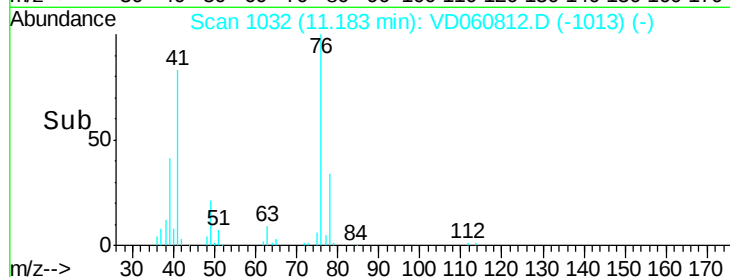
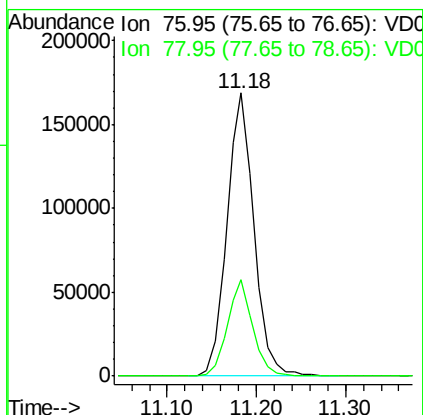
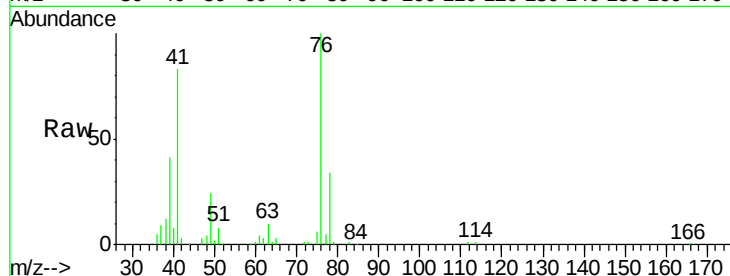
VSTDCCC050

Tot Ion: 76 Resp: 358502

Ion Ratio Lower Upper

76 100

78 34.0 24.5 36.7



#58

2-Chloroethyl Vinyl ether

Concen: 216.353 ug/l

RT: 9.62 min Scan# 873

Delta R.T. -0.01 min

Lab File: VD060812.D

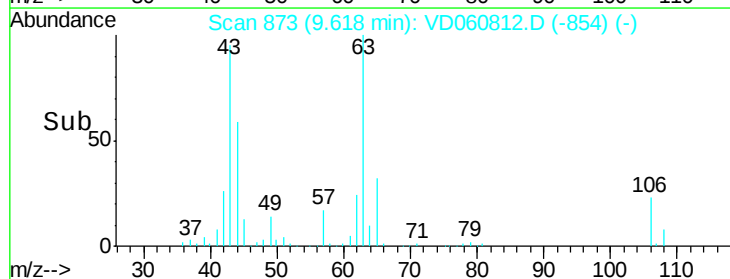
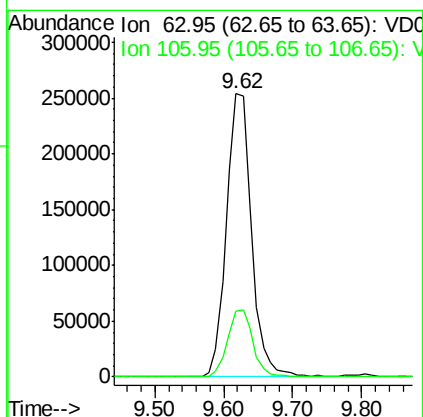
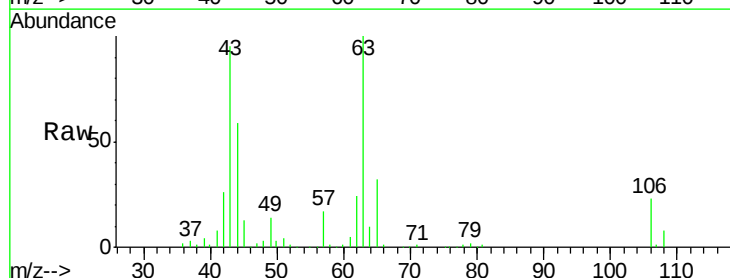
Acq: 1 Feb 2019 11:23

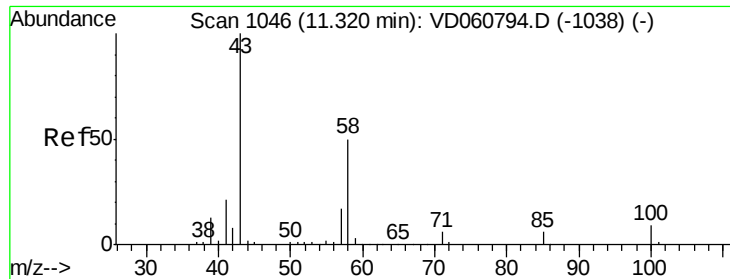
Tgt Ion: 63 Resp: 640747

Ion Ratio Lower Upper

63 100

106 23.2 19.9 29.9





#59

2-Hexanone

Concen: 216.246 ug/l

RT: 11.31 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

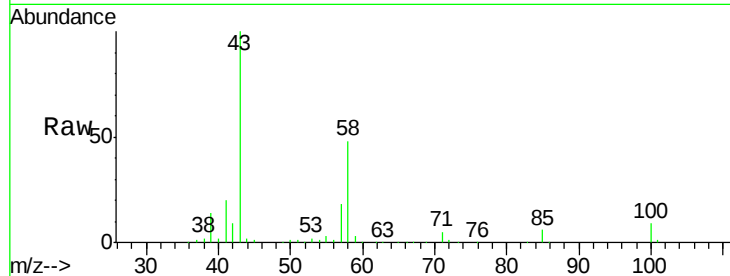
VSTDCCC050

Tot Ion: 43 Resp: 669204

Ion Ratio Lower Upper

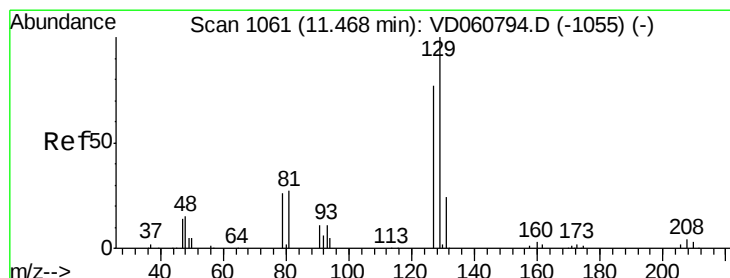
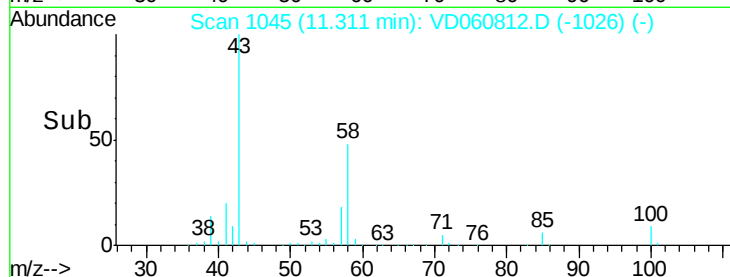
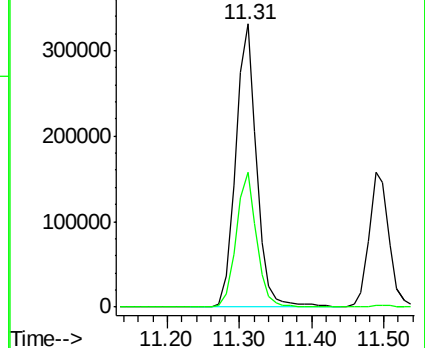
43 100

58 47.8 25.0 75.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 46.011 ug/l

RT: 11.46 min Scan# 1060

Delta R.T. -0.01 min

Lab File: VD060812.D

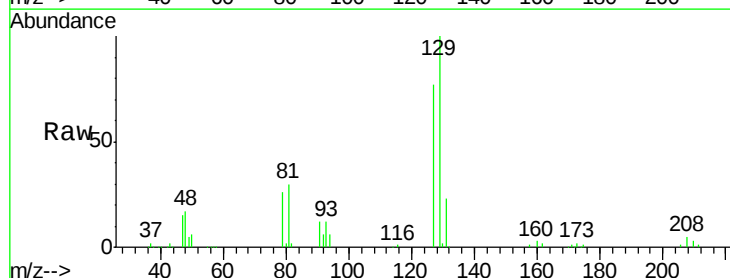
Acq: 1 Feb 2019 11:23

Tgt Ion:129 Resp: 385417

Ion Ratio Lower Upper

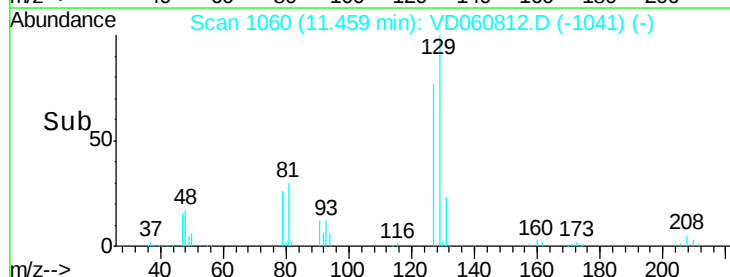
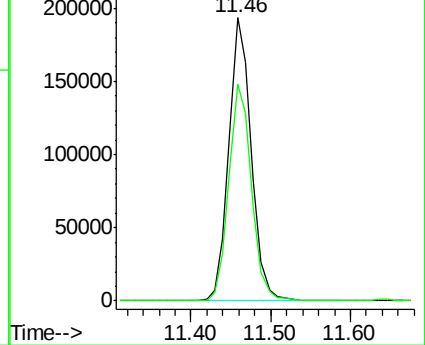
129 100

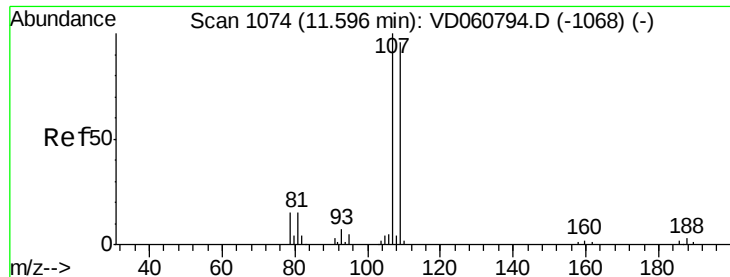
127 76.7 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

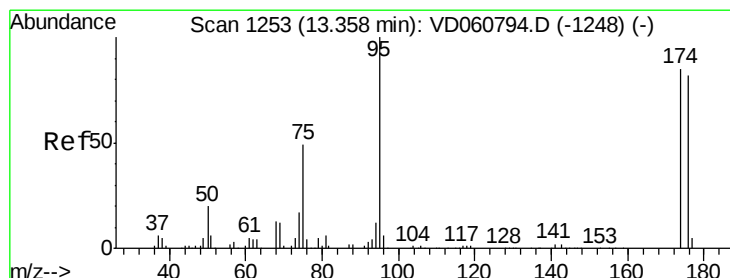
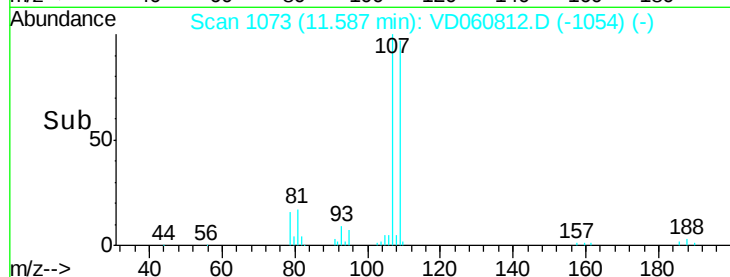
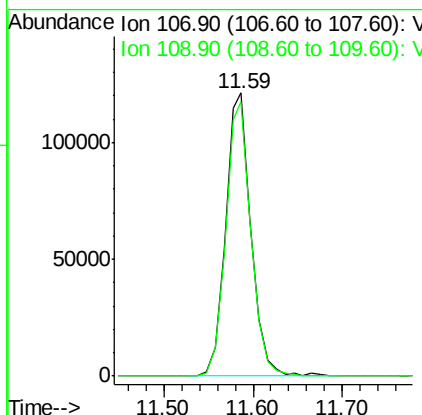
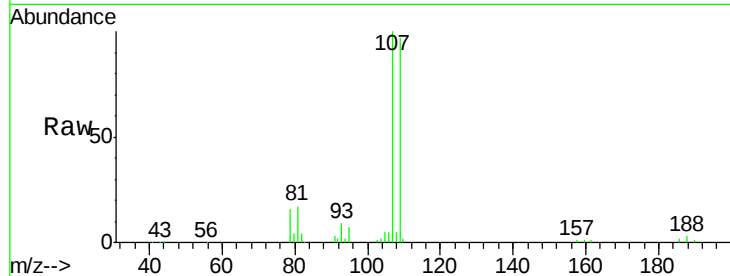




#61
 1,2-Dibromoethane
 Concen: 44.050 ug/l
 RT: 11.59 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

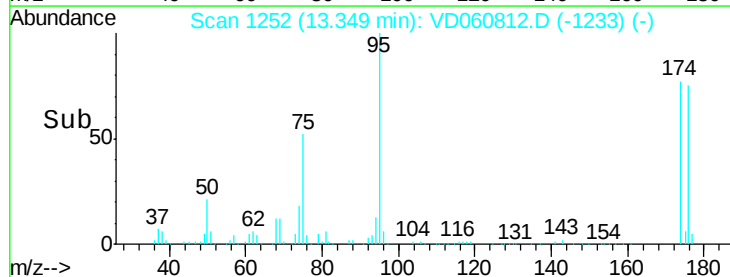
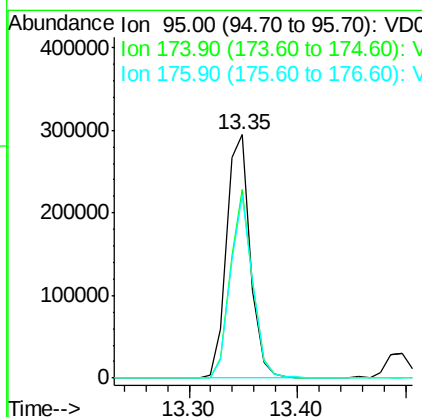
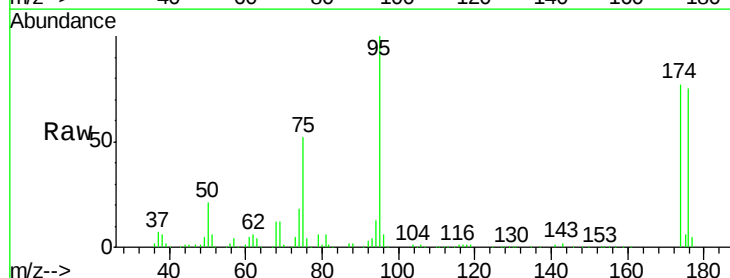
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

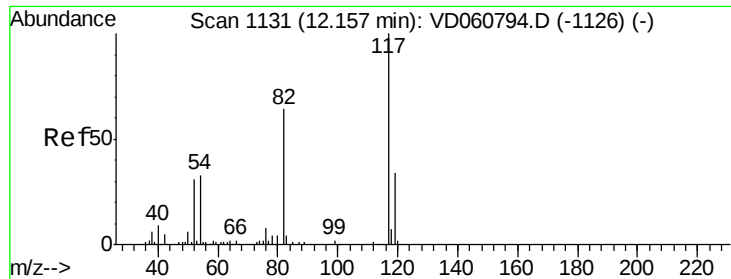
Tot Ion:107 Resp: 241719
 Ion Ratio Lower Upper
 107 100
 109 96.7 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 44.050 ug/l
 RT: 13.35 min Scan# 1252
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion: 95 Resp: 448935
 Ion Ratio Lower Upper
 95 100
 174 77.4 0.0 169.6
 176 75.2 0.0 163.8

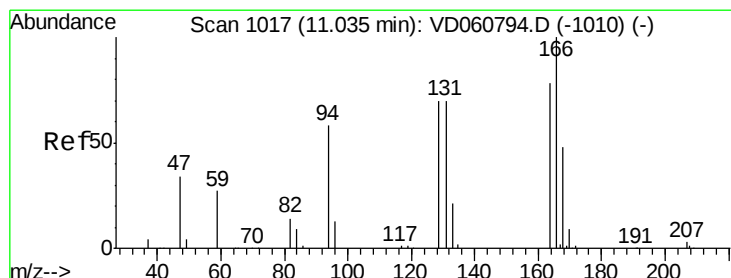
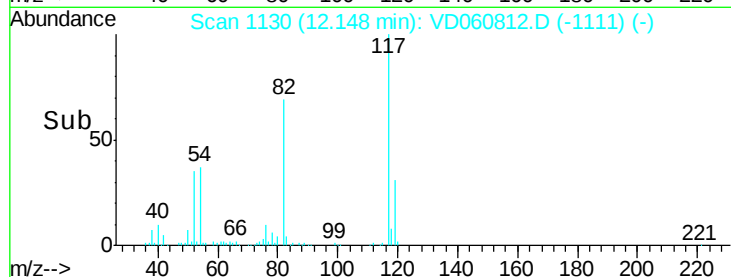
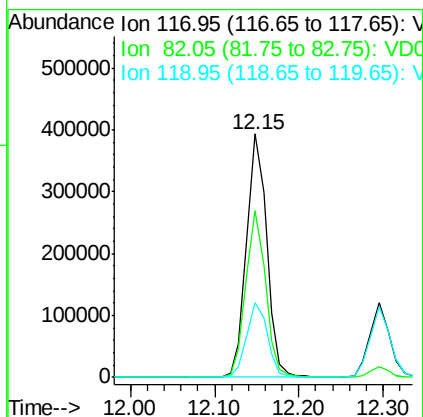
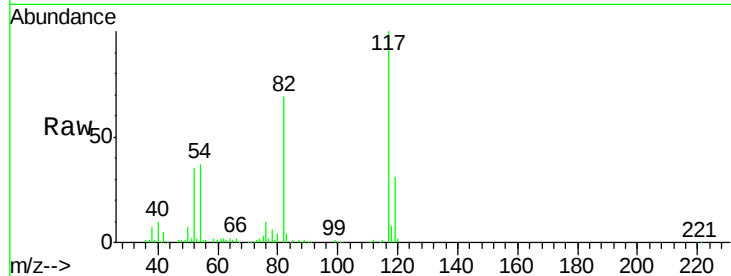




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

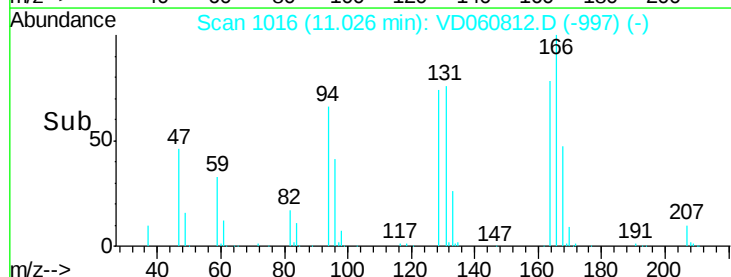
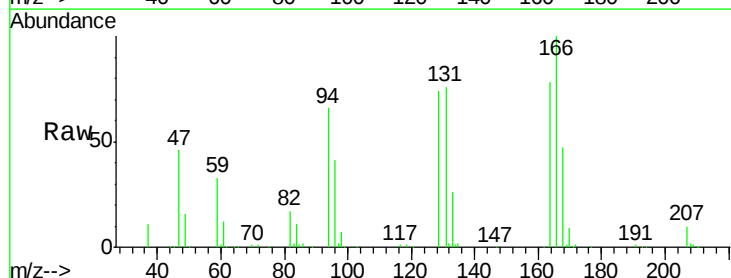
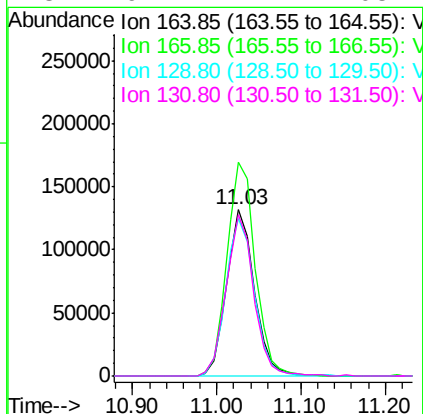
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

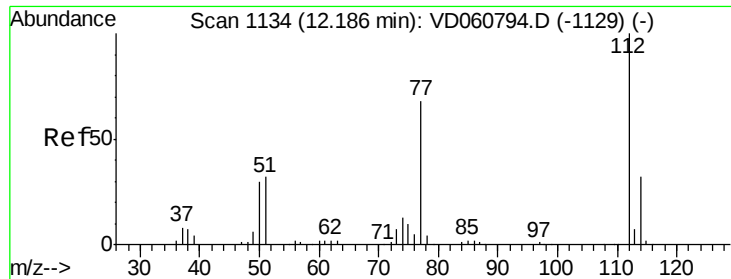
Tot Ion:117 Resp: 671133
Ion Ratio Lower Upper
117 100
82 68.6 51.5 77.3
119 30.6 27.1 40.7



#64
Tetrachloroethene
Concen: 49.049 ug/l
RT: 11.03 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion:164 Resp: 302114
Ion Ratio Lower Upper
164 100
166 128.7 102.6 154.0
129 95.0 72.3 108.5
131 97.4 72.1 108.1





#65

Chlorobenzene

Concen: 47.622 ug/l

RT: 12.18 min Scan# 1133

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

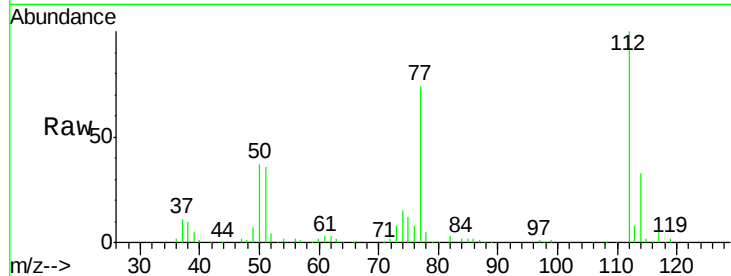
VSTDCCC050

Tot Ion:112 Resp: 730371

Ion Ratio Lower Upper

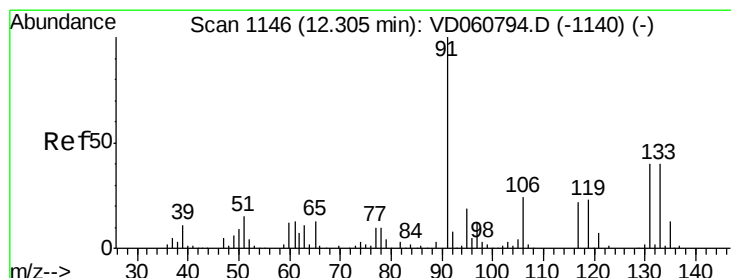
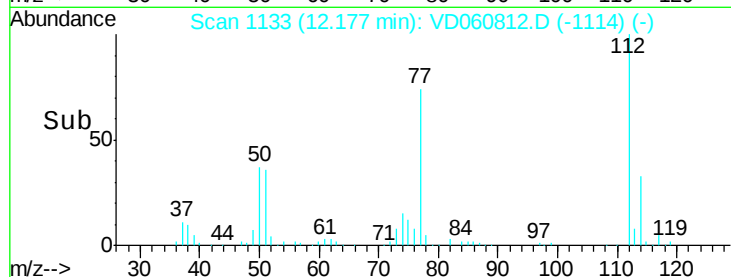
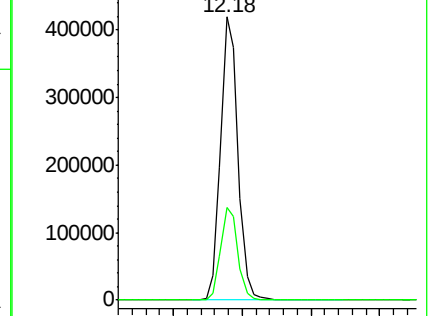
112 100

114 32.6 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 51.894 ug/l

RT: 12.30 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

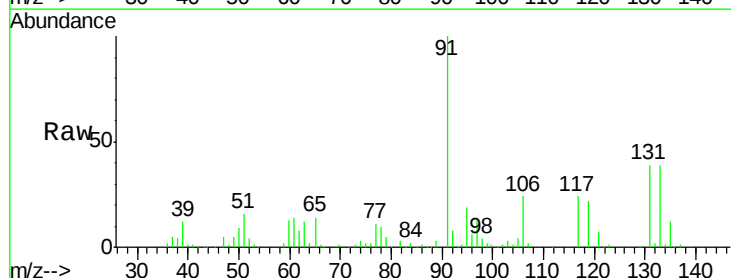
Tgt Ion:131 Resp: 341941

Ion Ratio Lower Upper

131 100

133 99.0 49.9 149.7

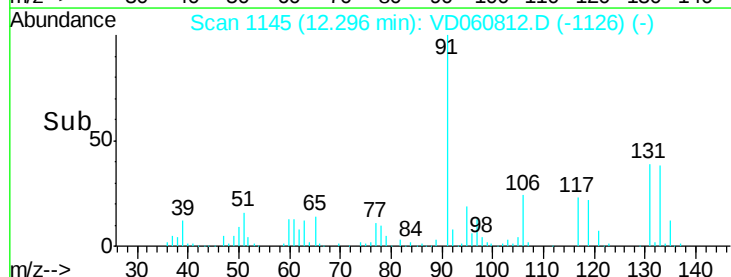
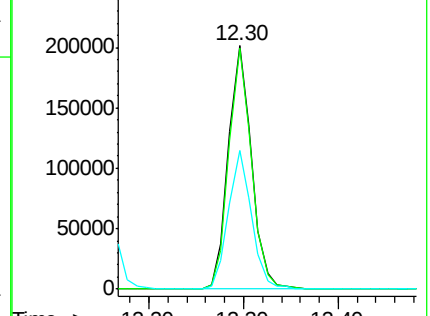
119 56.7 28.5 85.5

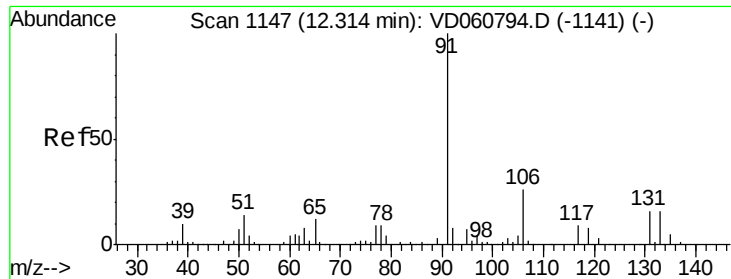


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

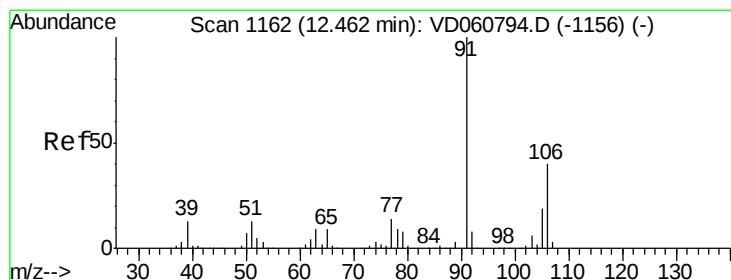
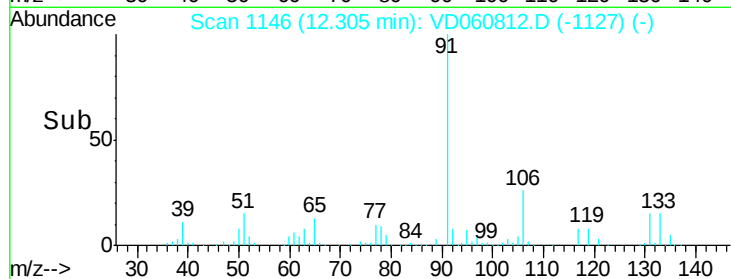
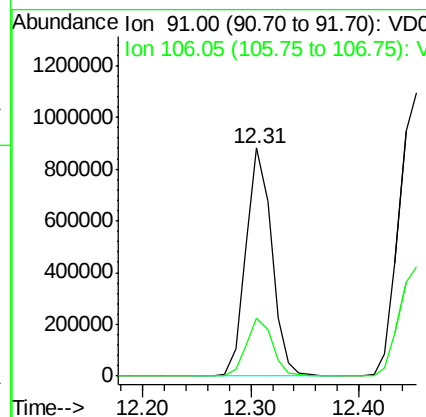
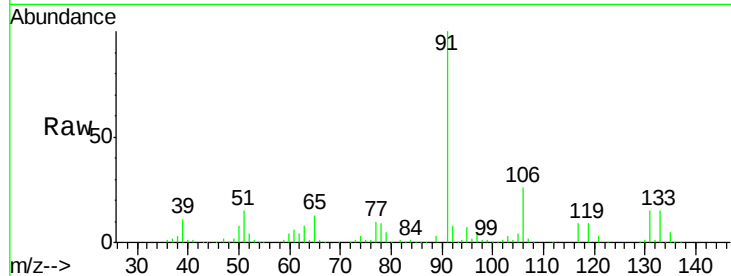




#67
Ethyl Benzene
Concen: 53.186 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

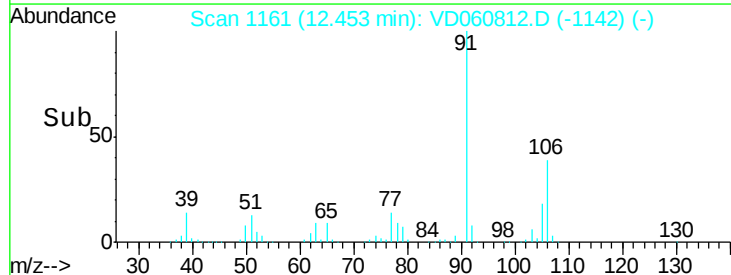
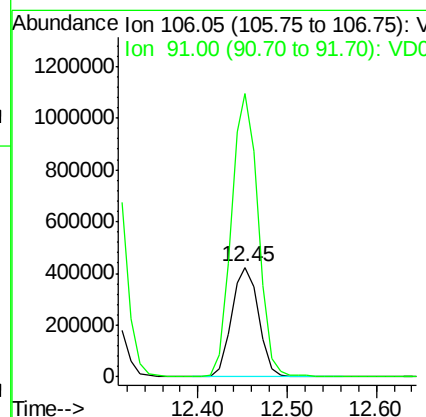
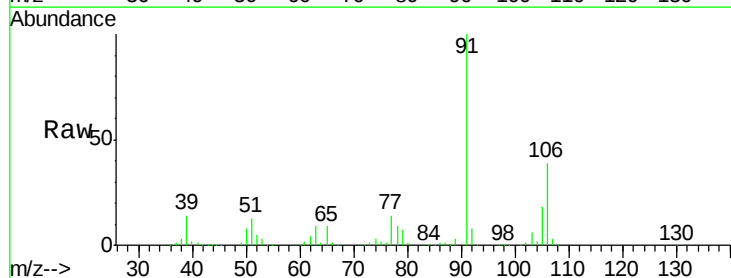
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

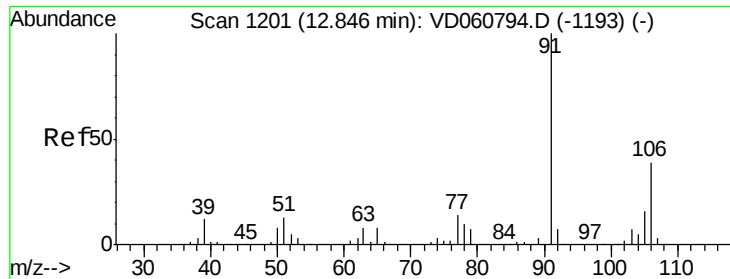
Tot Ion: 91 Resp: 1466795
Ion Ratio Lower Upper
91 100
106 25.7 21.0 31.6



#68
m/p-Xylenes
Concen: 100.824 ug/l
RT: 12.45 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 106 Resp: 904643
Ion Ratio Lower Upper
106 100
91 257.5 200.5 300.7

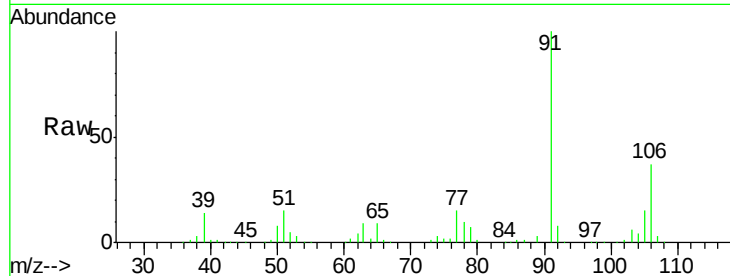




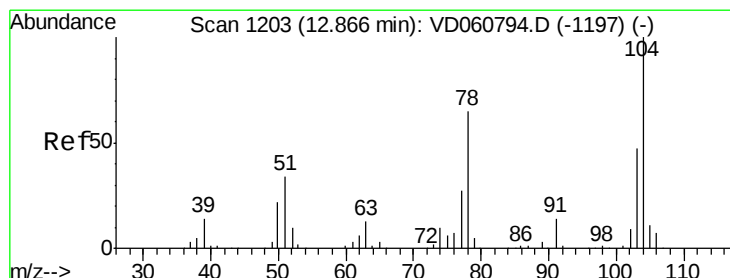
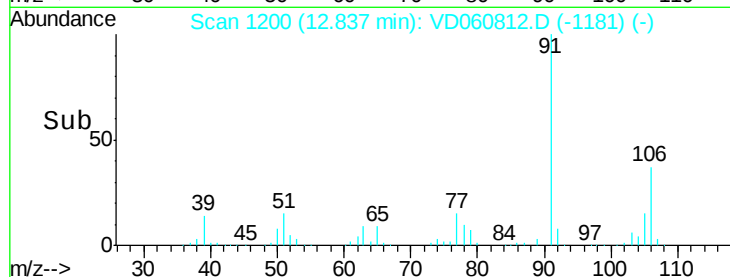
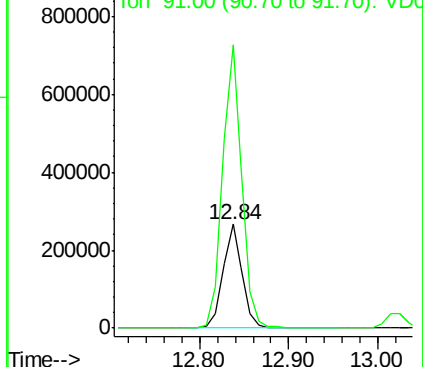
#69
o-Xylene
Concen: 45.401 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion:106 Resp: 403179
Ion Ratio Lower Upper
106 100
91 272.8 127.6 382.7

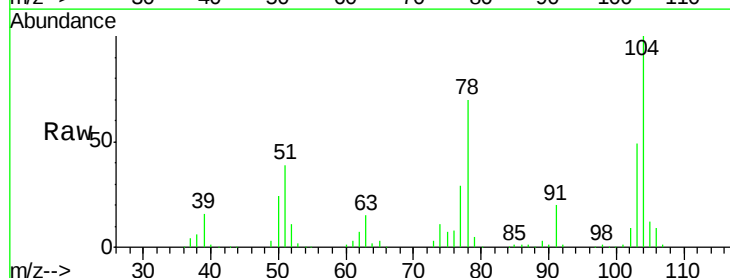


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

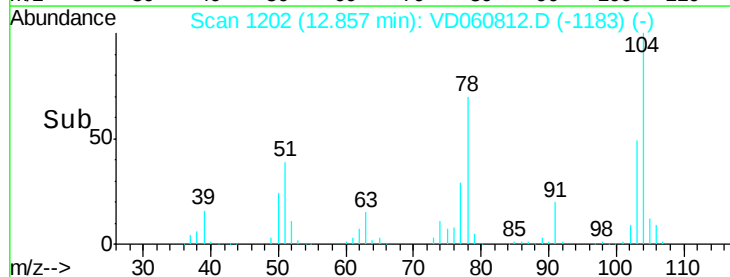
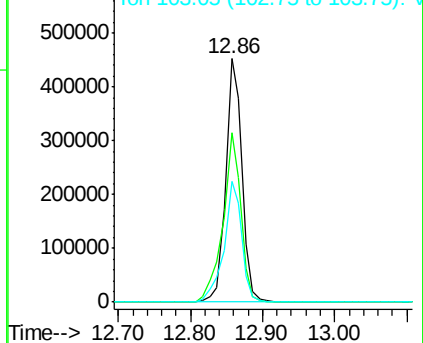


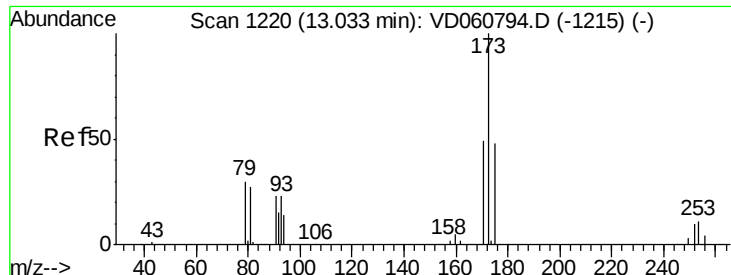
#70
Styrene
Concen: 47.059 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion:104 Resp: 700802
Ion Ratio Lower Upper
104 100
78 69.7 52.0 78.0
103 49.4 37.7 56.5



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

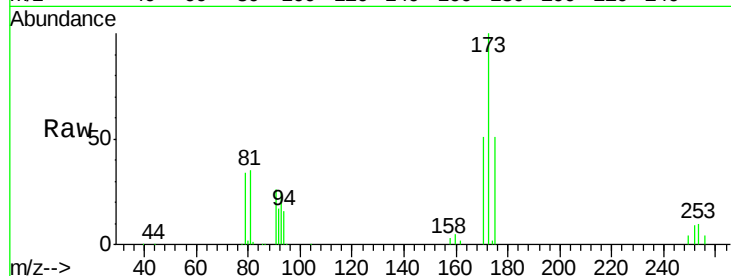




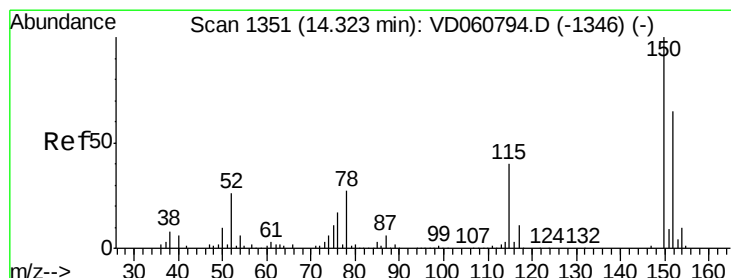
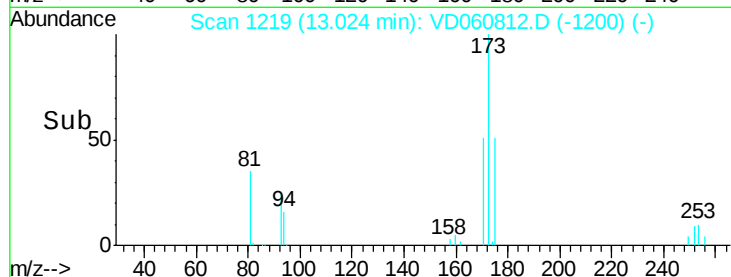
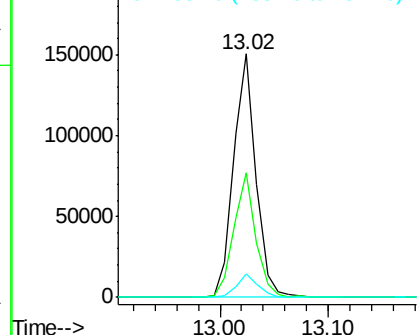
#71
Bromoform
Concen: 43.626 ug/l
RT: 13.02 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 216583
Ion Ratio Lower Upper
173 100
175 51.3 24.1 72.4
254 9.7 9.1 13.7

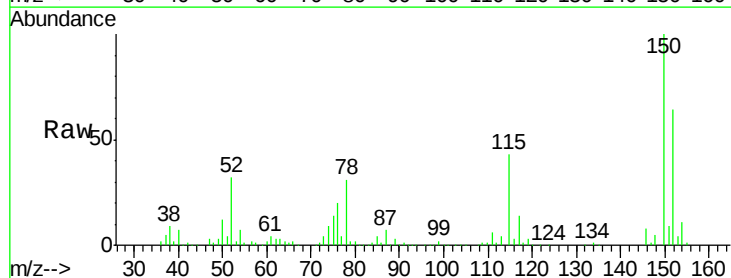


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

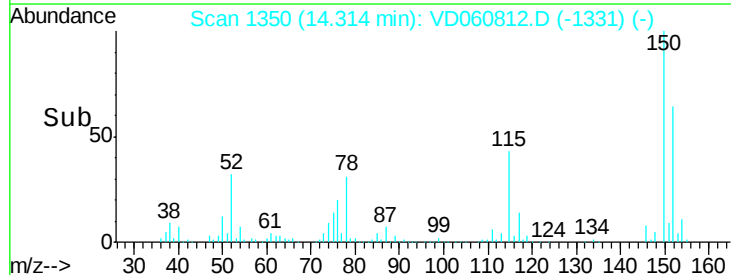
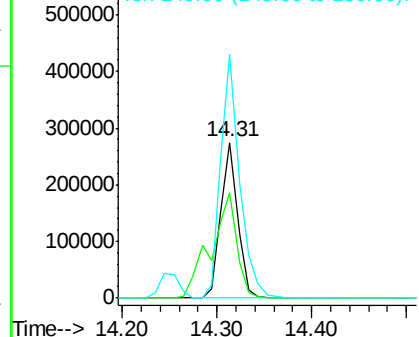


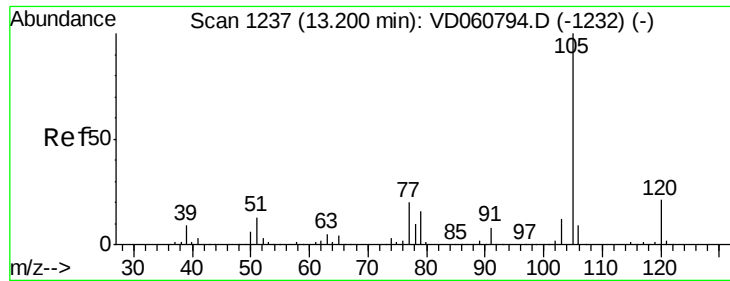
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.31 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion:152 Resp: 339864
Ion Ratio Lower Upper
152 100
115 67.8 31.6 95.0
150 156.5 0.0 317.6



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: 52.646 ug/l

RT: 13.19 min Scan# 1236

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

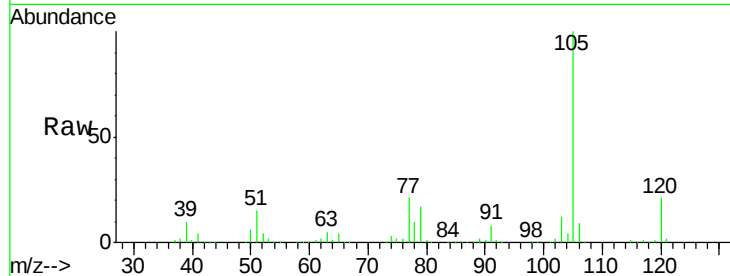
VSTDCCC050

Tot Ion:105 Resp: 1426585

Ion Ratio Lower Upper

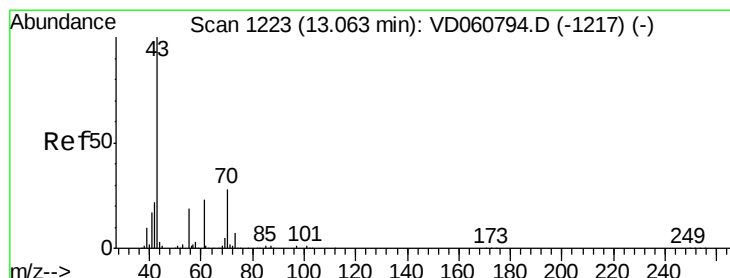
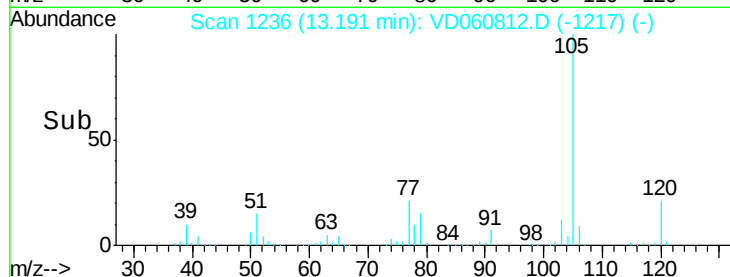
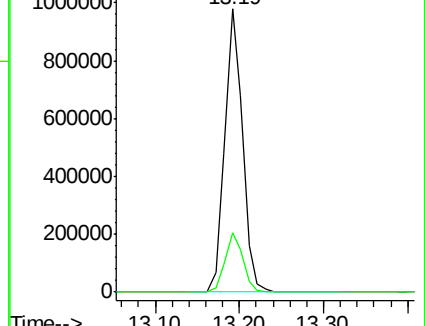
105 100

120 21.0 10.7 32.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 40.414 ug/l

RT: 13.05 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Tgt Ion: 43 Resp: 336669

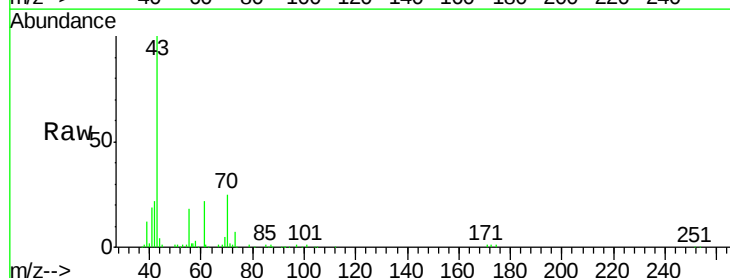
Ion Ratio Lower Upper

43 100

70 24.9 22.2 33.4

55 18.5 15.5 23.3

61 21.9 18.4 27.6

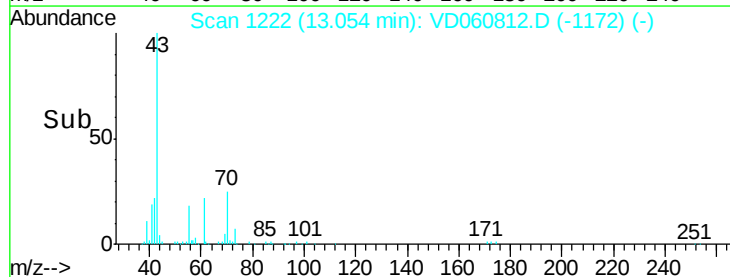
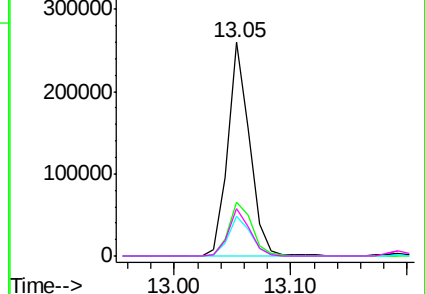


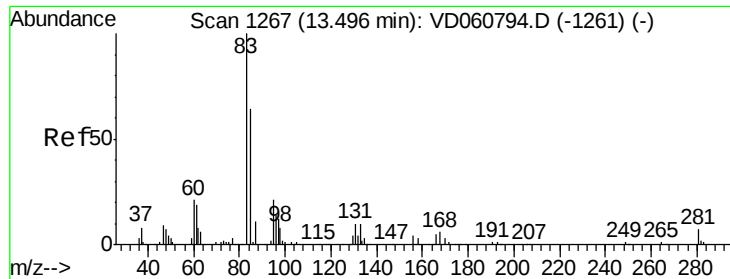
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 43.349 ug/l

RT: 13.50 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

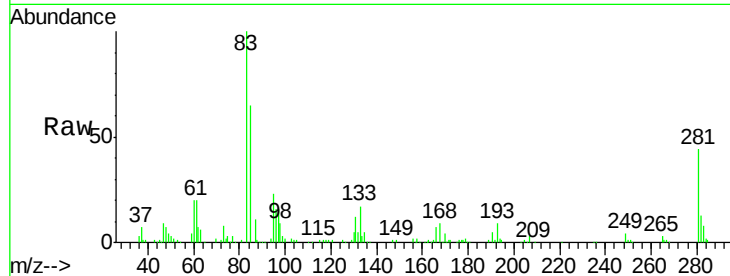
Tot Ion: 83 Resp: 213884

Ion Ratio Lower Upper

83 100

131 11.9 5.0 15.0

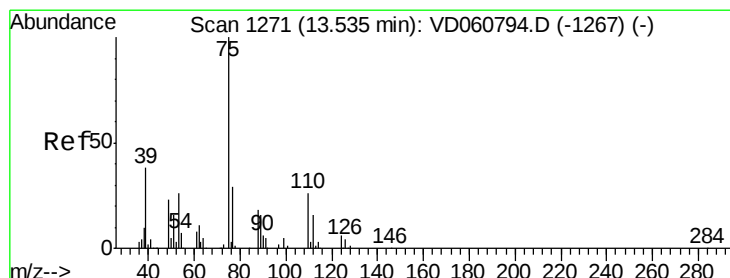
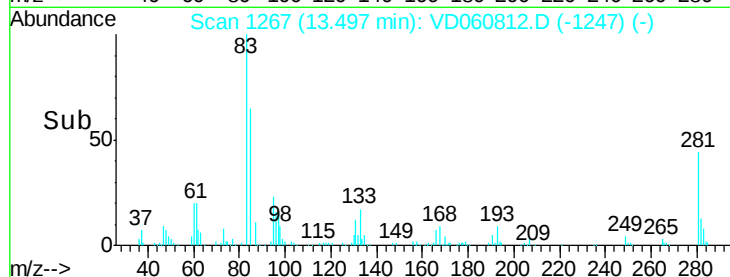
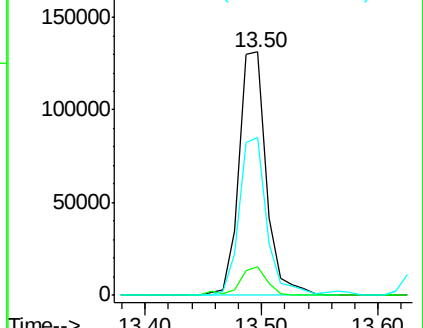
85 64.9 31.8 95.4



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: 45.074 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD060812.D

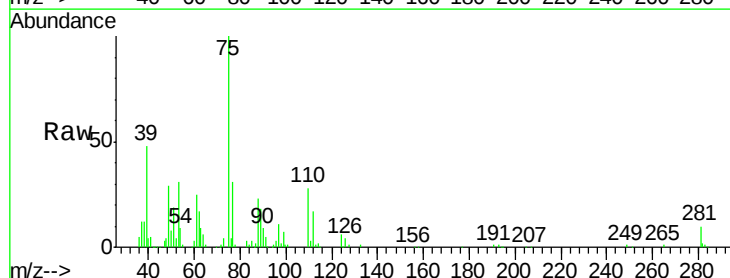
Acq: 1 Feb 2019 11:23

Tgt Ion: 75 Resp: 280912

Ion Ratio Lower Upper

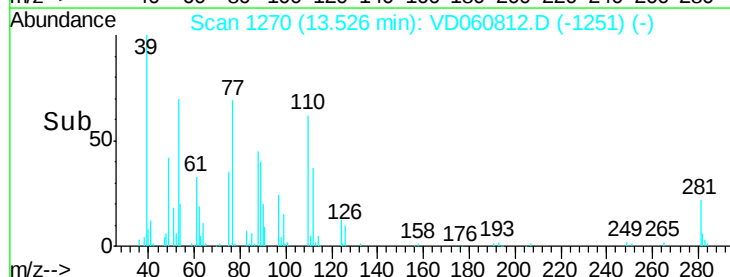
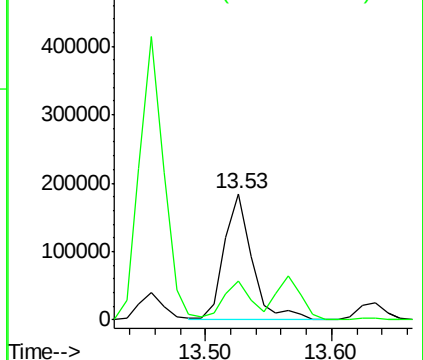
75 100

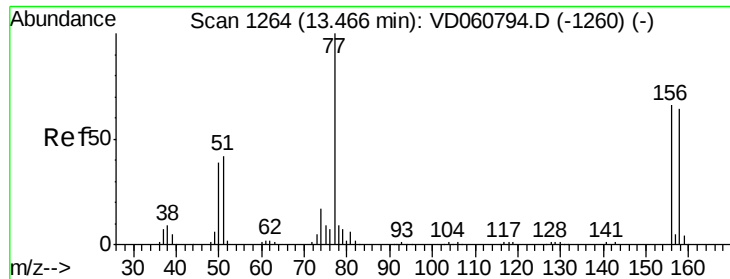
77 31.3 15.9 47.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 48.014 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

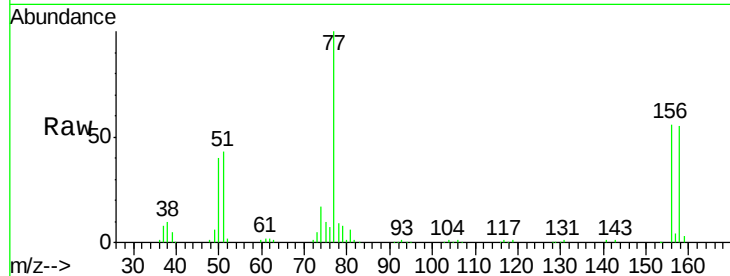
Tot Ion:156 Resp: 334451

Ion Ratio Lower Upper

156 100

77 179.7 76.0 228.0

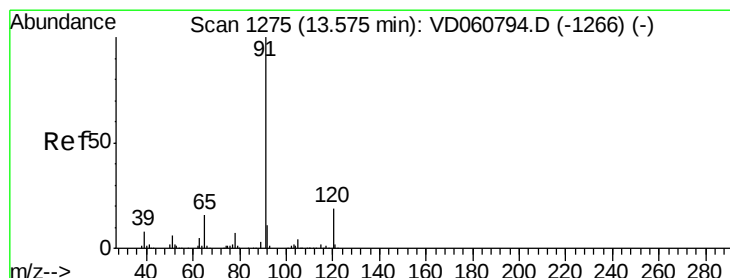
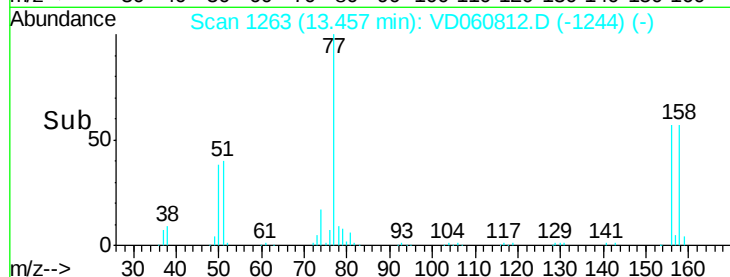
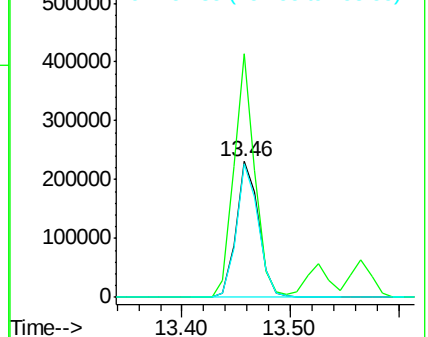
158 98.5 48.4 145.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.698 ug/l

RT: 13.57 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VD060812.D

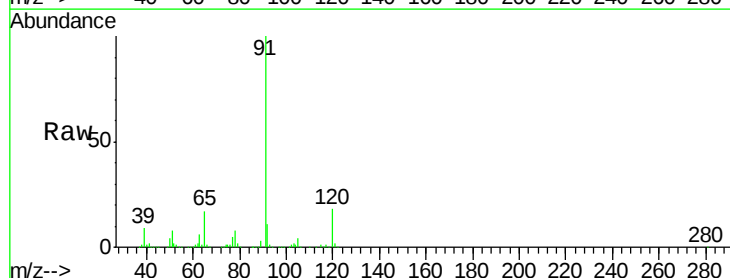
Acq: 1 Feb 2019 11:23

Tgt Ion: 91 Resp: 1792627

Ion Ratio Lower Upper

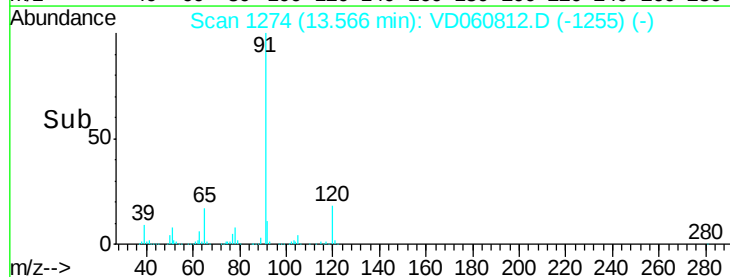
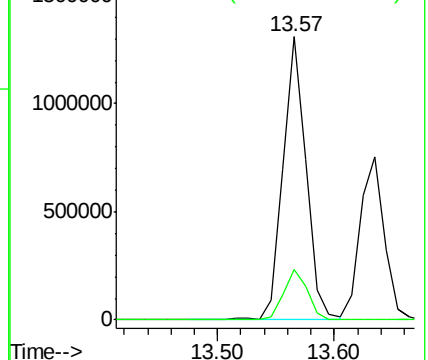
91 100

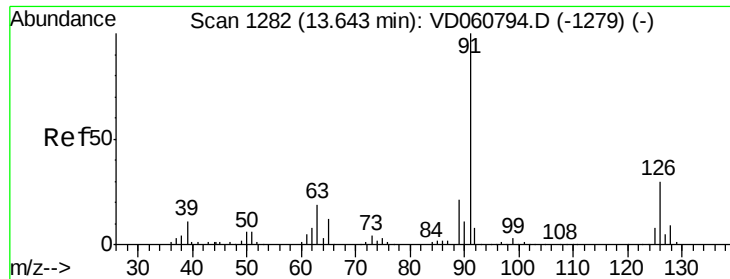
120 17.9 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.272 ug/l

RT: 13.63 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

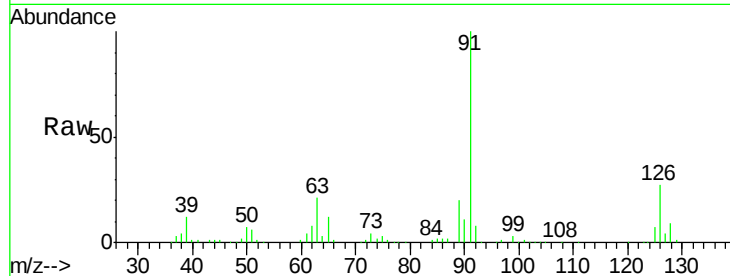
VSTDCCC050

Tot Ion: 91 Resp: 1084546

Ion Ratio Lower Upper

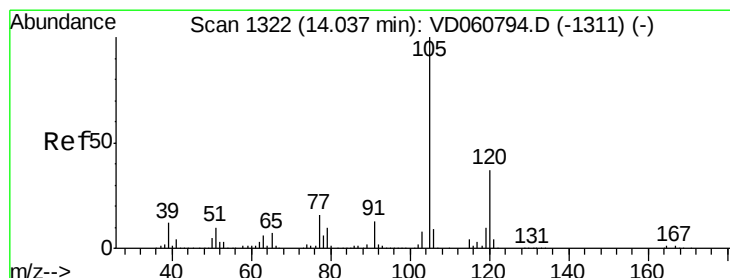
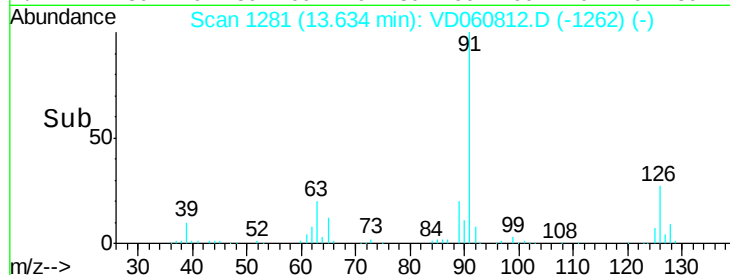
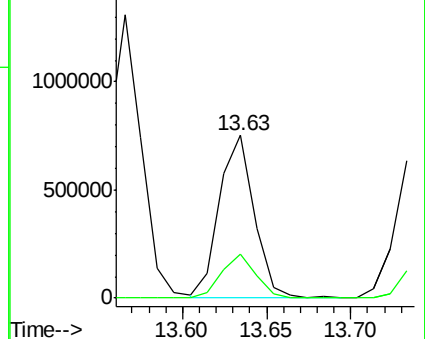
91 100

126 26.7 14.7 44.1



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: 53.189 ug/l

RT: 14.03 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VD060812.D

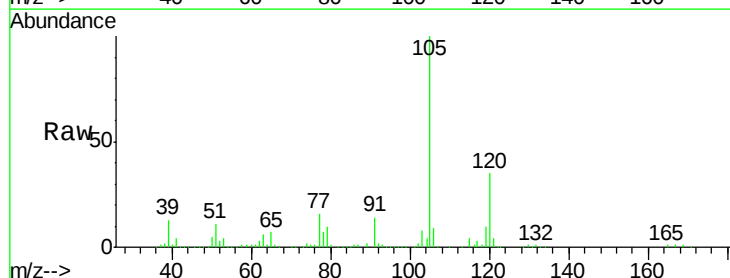
Acq: 1 Feb 2019 11:23

Tgt Ion:105 Resp: 1240783

Ion Ratio Lower Upper

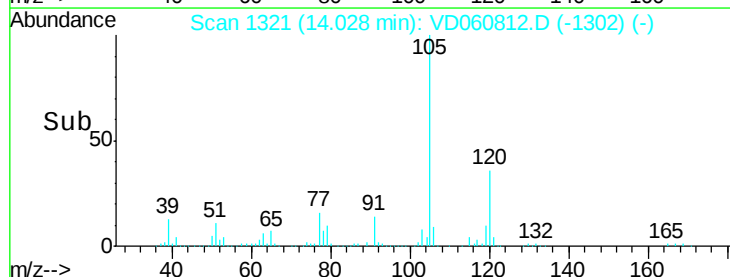
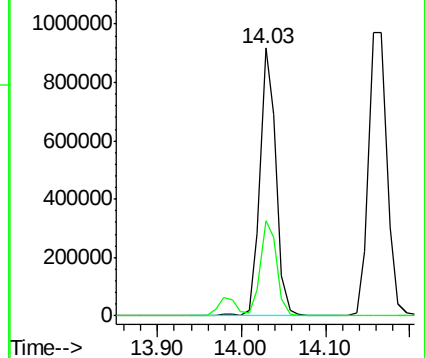
105 100

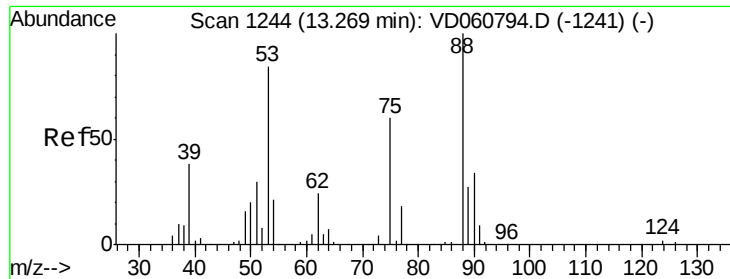
120 35.5 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

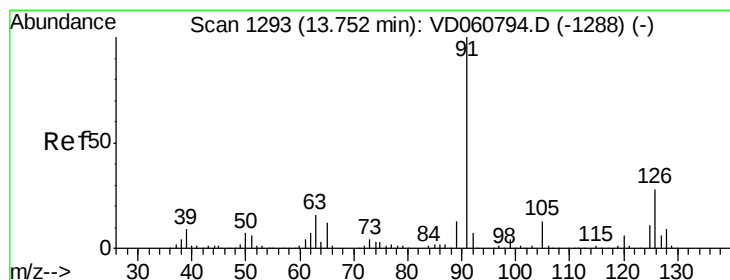
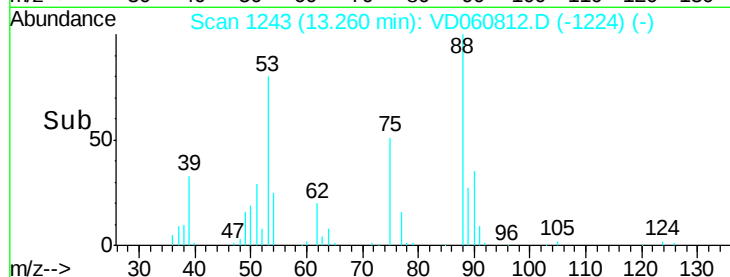
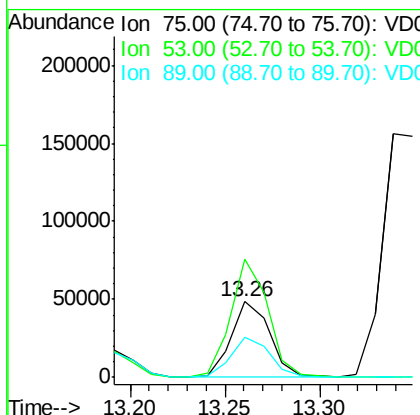
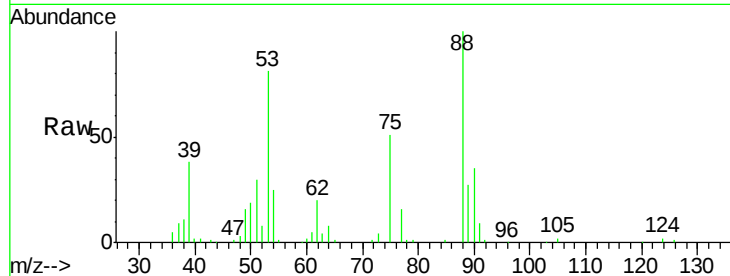




#81
trans-1,4-Dichloro-2-butene
Concen: 42.169 ug/l
RT: 13.26 min Scan# 1243
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

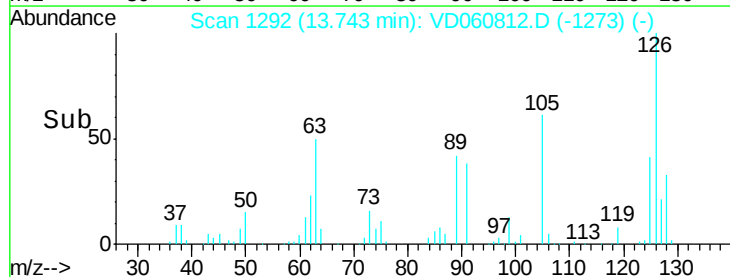
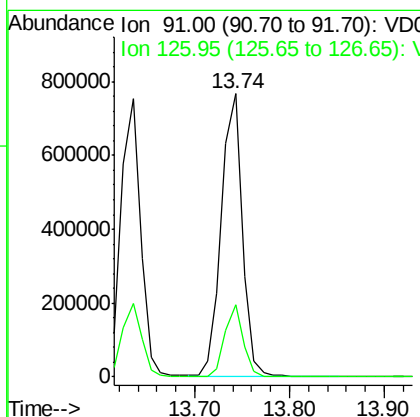
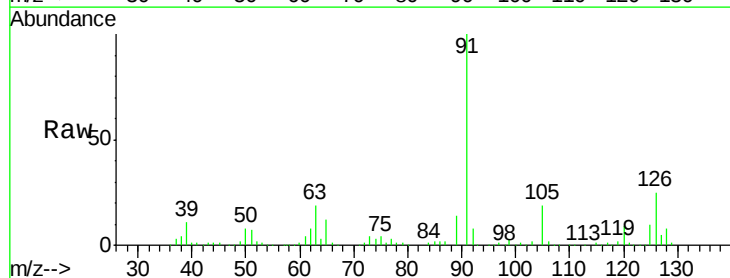
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

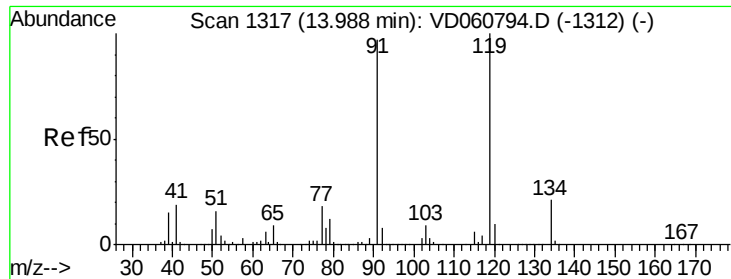
Tot Ion: 75 Resp: 68517
Ion Ratio Lower Upper
75 100
53 157.3 111.6 167.4
89 52.4 35.9 53.9



#82
4-Chlorotoluene
Concen: 51.407 ug/l
RT: 13.74 min Scan# 1292
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion: 91 Resp: 1185440
Ion Ratio Lower Upper
91 100
126 25.3 13.9 41.7

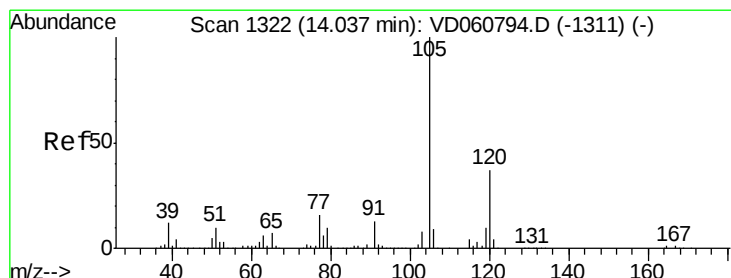
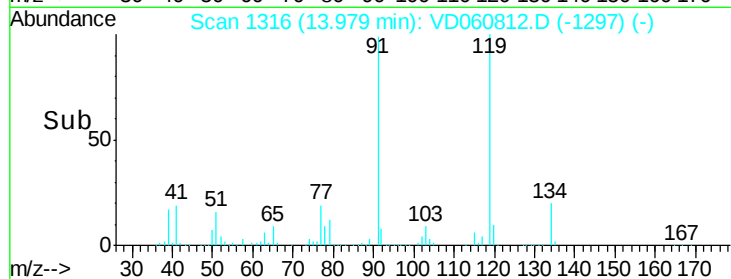
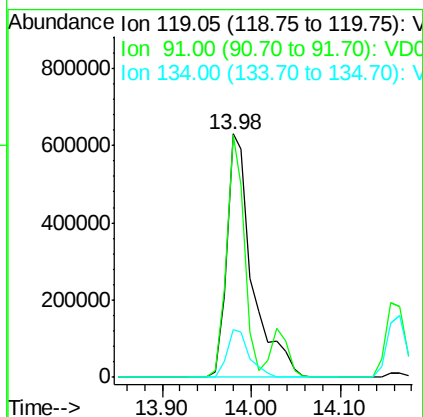
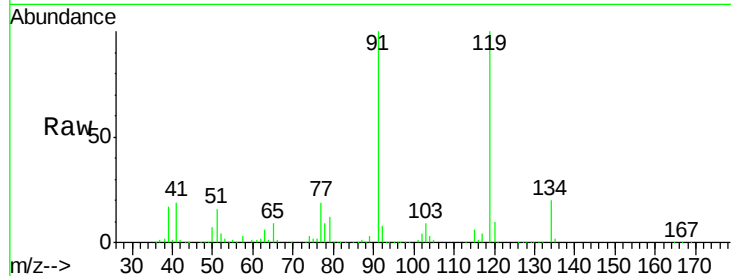




#83
tert-Butylbenzene
Concen: 52.128 ug/l
RT: 13.98 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

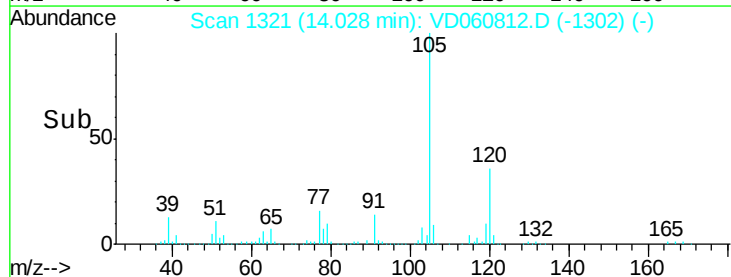
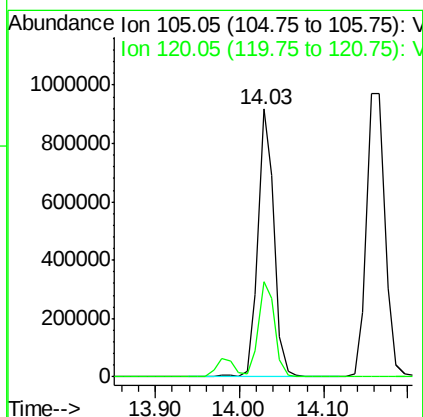
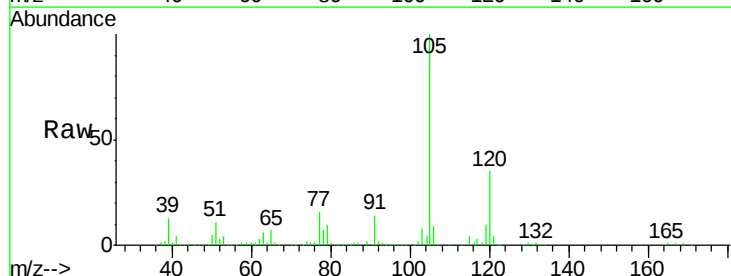
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

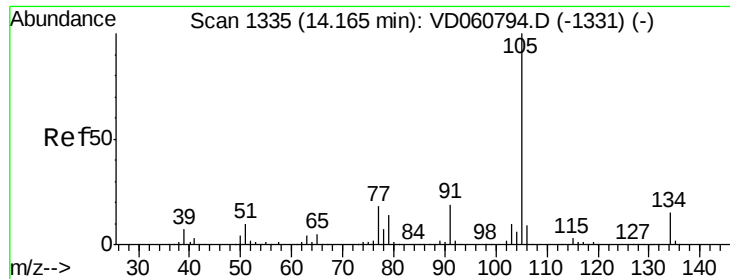
Tot Ion:119 Resp: 1272262
Ion Ratio Lower Upper
119 100
91 99.8 48.5 145.5
134 19.6 10.3 30.8



#84
1,2,4-Trimethylbenzene
Concen: 53.189 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. -0.01 min
Lab File: VD060812.D
Acq: 1 Feb 2019 11:23

Tgt Ion:105 Resp: 1240783
Ion Ratio Lower Upper
105 100
120 35.5 18.4 55.2

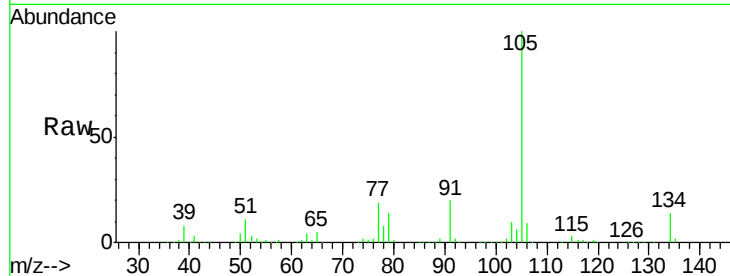




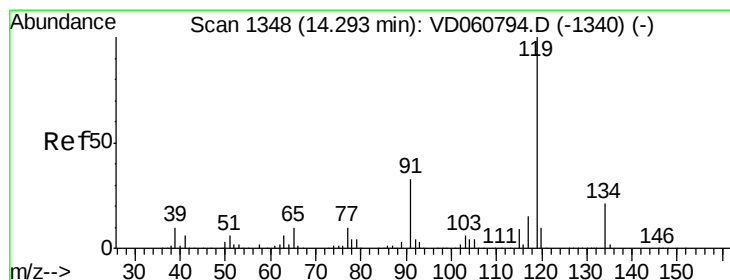
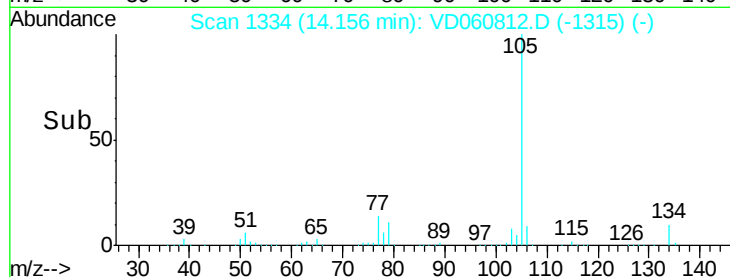
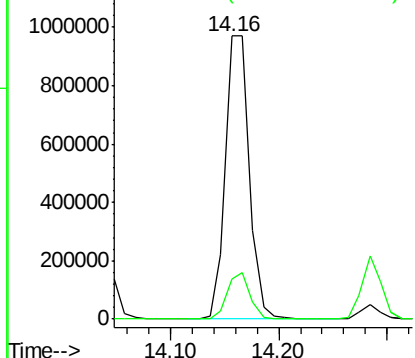
#85
 sec-Butylbenzene
 Concen: 53.815 ug/l
 RT: 14.16 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion:105 Resp: 1495104
 Ion Ratio Lower Upper
 105 100
 134 14.4 7.4 22.2

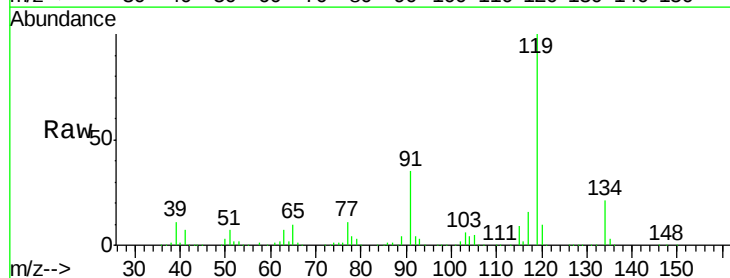


Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 134.10 (133.80 to 134.80): V

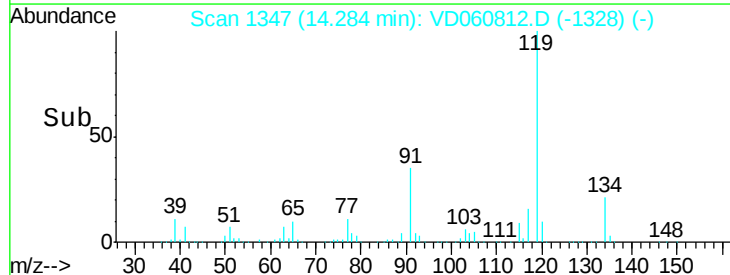
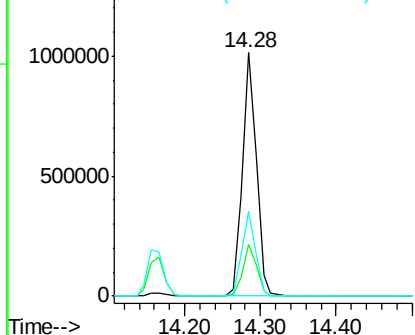


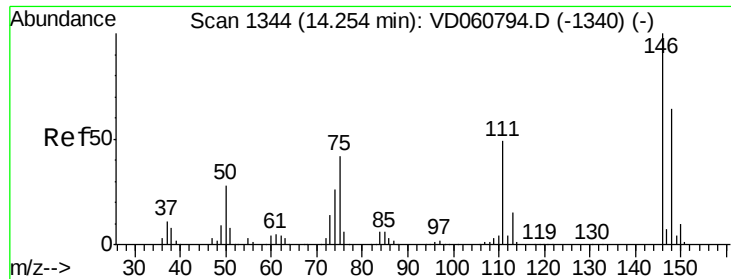
#86
 p-Isopropyltoluene
 Concen: 56.557 ug/l
 RT: 14.28 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion:119 Resp: 1275704
 Ion Ratio Lower Upper
 119 100
 134 21.4 10.8 32.3
 91 34.9 16.7 50.0



Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

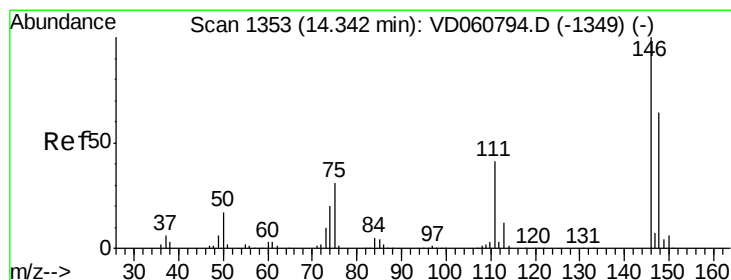
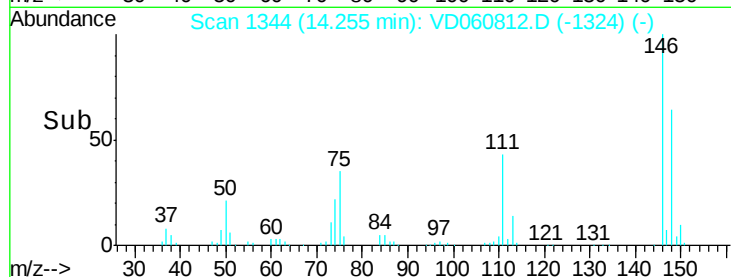
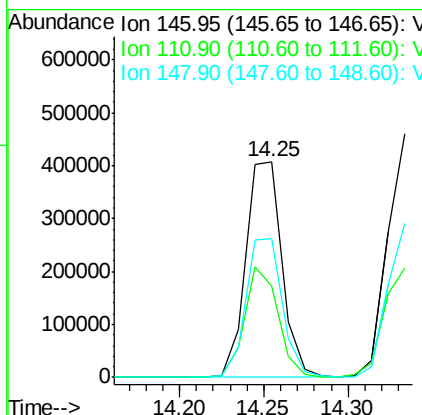
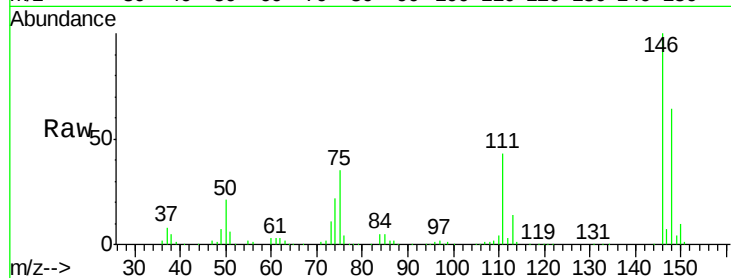




#87
 1,3-Dichlorobenzene
 Concen: 48.781 ug/l
 RT: 14.25 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

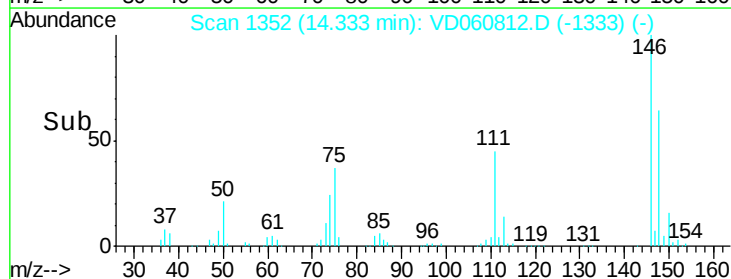
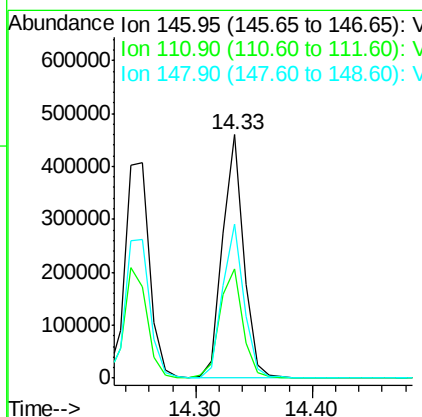
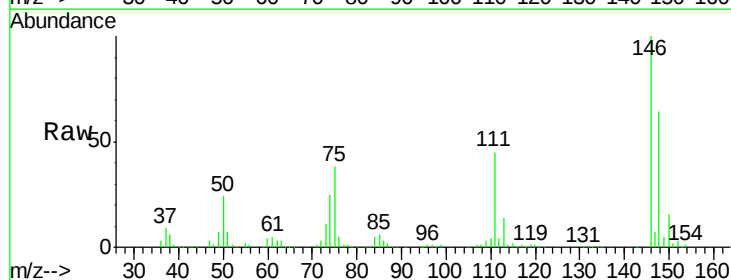
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

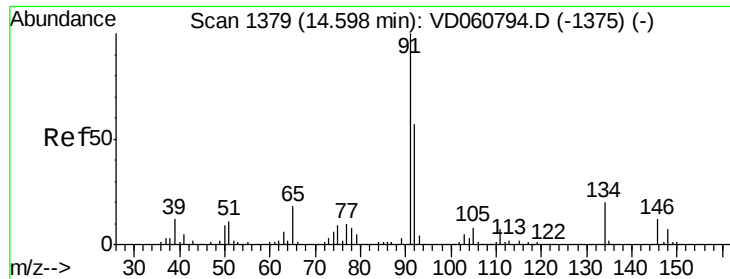
Tot Ion:146 Resp: 607757
 Ion Ratio Lower Upper
 146 100
 111 42.5 24.3 73.0
 148 64.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 47.813 ug/l
 RT: 14.33 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion:146 Resp: 578798
 Ion Ratio Lower Upper
 146 100
 111 44.7 20.6 61.8
 148 63.5 31.9 95.7





#89

n-Butylbenzene

Concen: 49.676 ug/l

RT: 14.59 min Scan# 1378

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

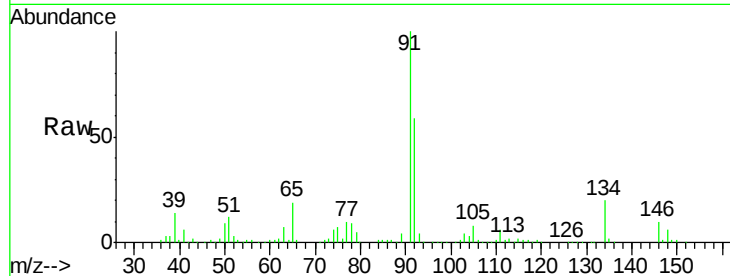
Tot Ion: 91 Resp: 1169078

Ion Ratio Lower Upper

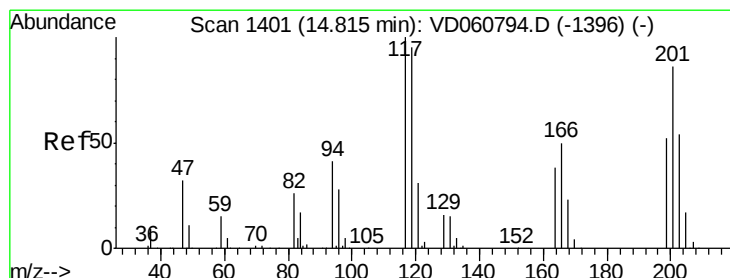
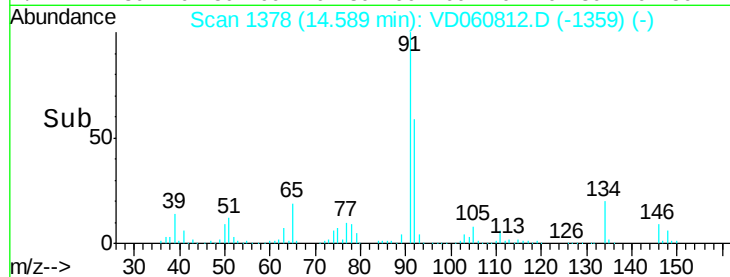
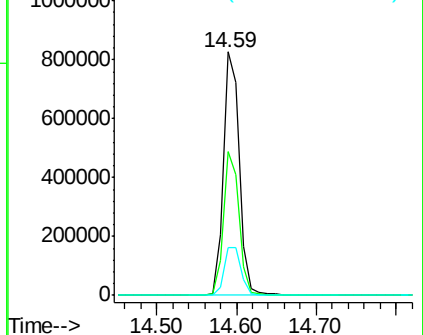
91 100

92 59.1 28.5 85.5

134 19.5 10.0 29.8



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: 53.236 ug/l

RT: 14.81 min Scan# 1400

Delta R.T. -0.01 min

Lab File: VD060812.D

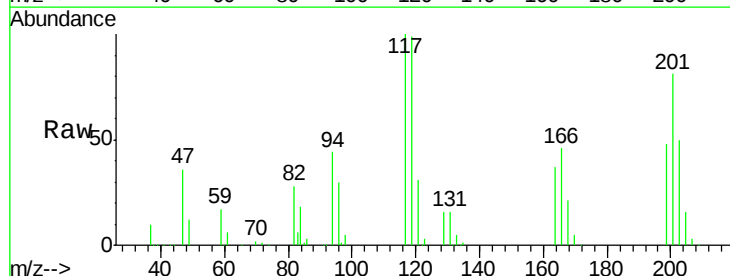
Acq: 1 Feb 2019 11:23

Tgt Ion: 117 Resp: 357336

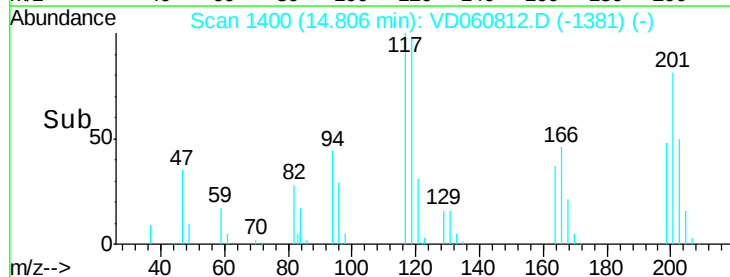
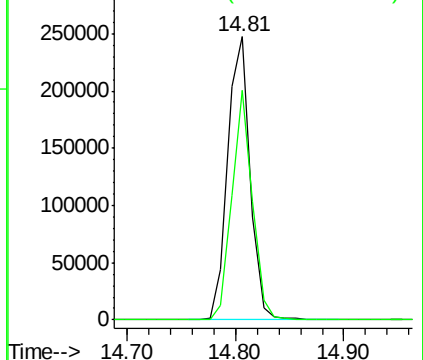
Ion Ratio Lower Upper

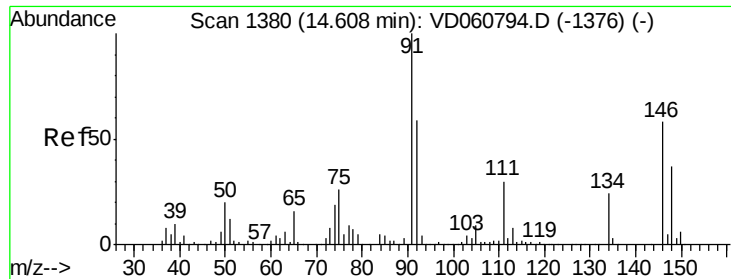
117 100

201 80.9 43.0 128.8



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

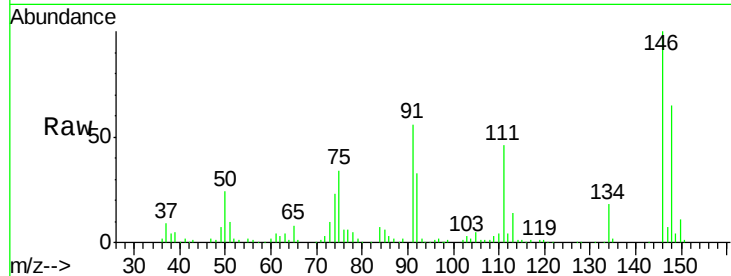




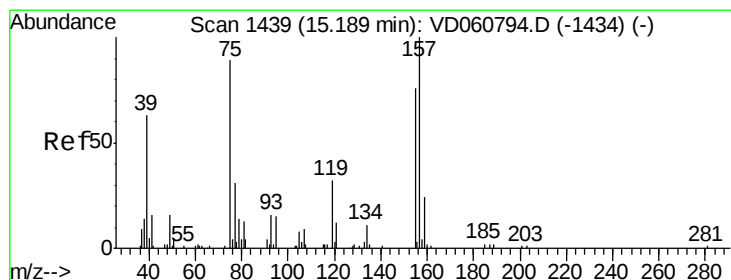
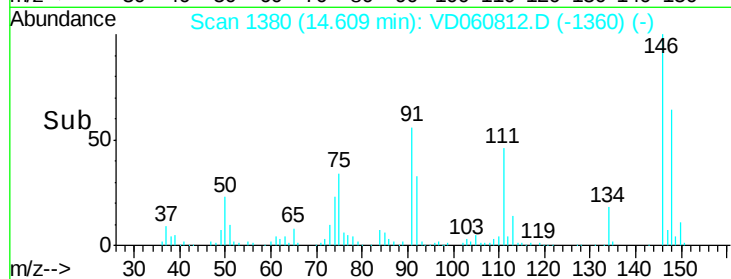
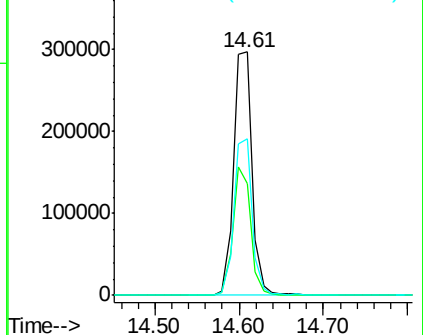
#91
 1,2-Dichlorobenzene
 Concen: 43.879 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 453765
 Ion Ratio Lower Upper
 146 100
 111 45.9 25.6 76.8
 148 64.5 31.4 94.3

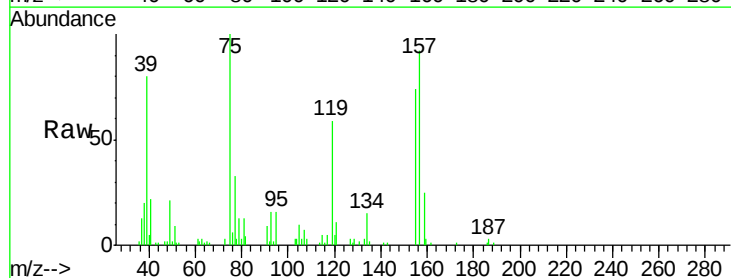


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

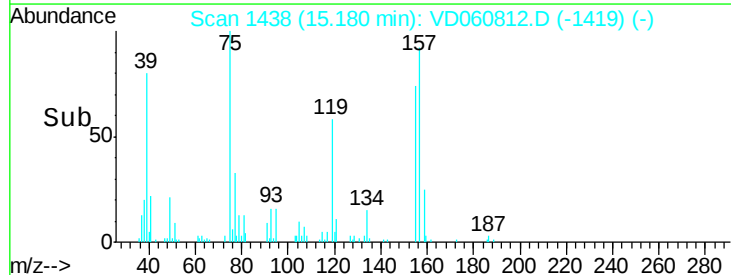
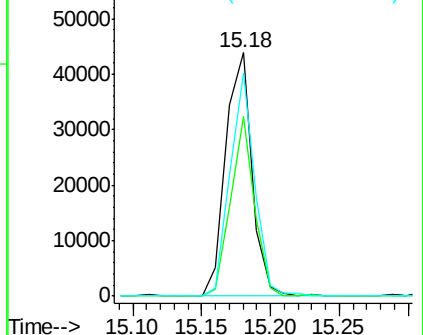


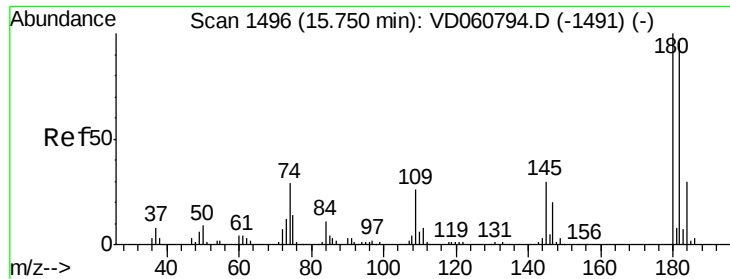
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.345 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion: 75 Resp: 57842
 Ion Ratio Lower Upper
 75 100
 155 73.8 43.0 129.0
 157 91.6 56.3 168.9



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

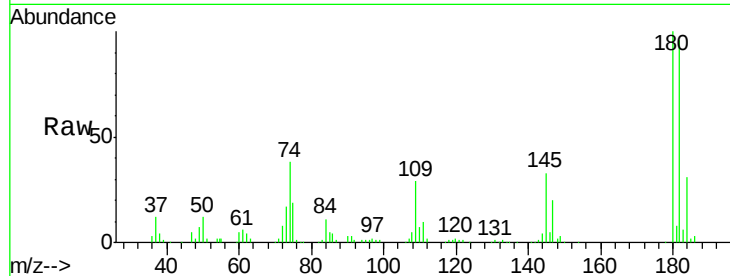




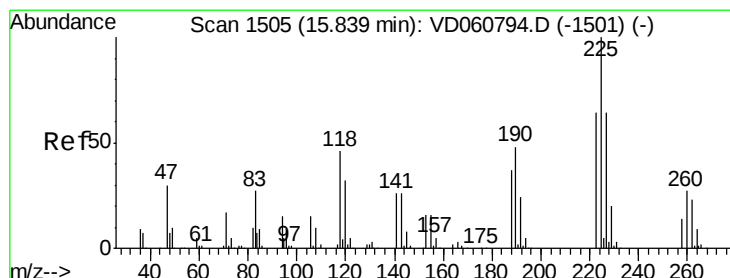
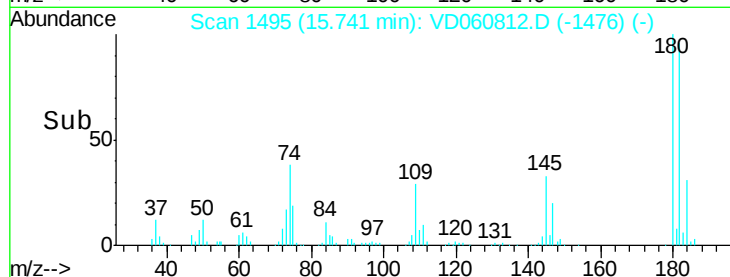
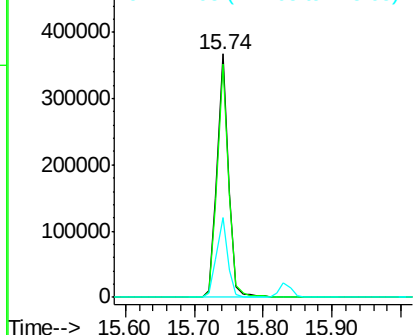
#93
 1,2,4-Trichlorobenzene
 Concen: 47.563 ug/l
 RT: 15.74 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:180 Resp: 425900
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.9 143.7
 145 32.6 15.0 45.1

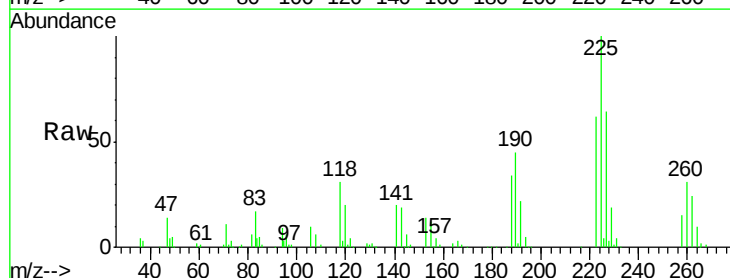


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

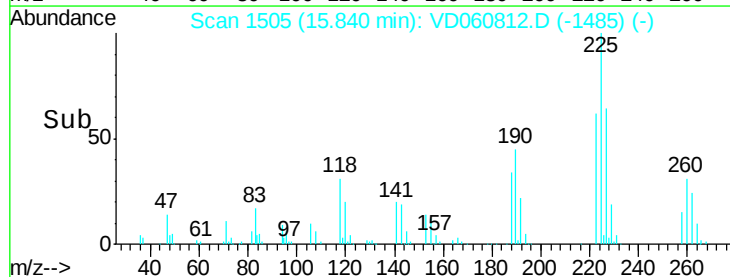
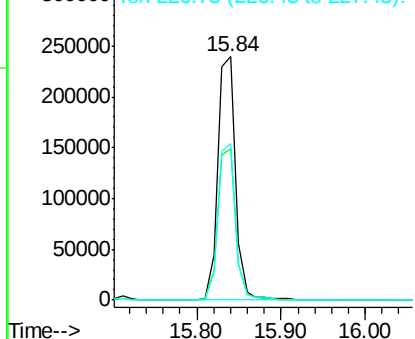


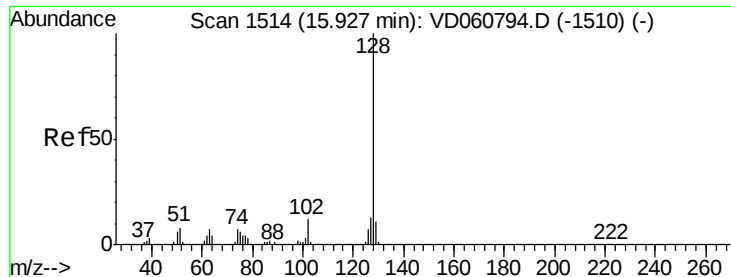
#94
 Hexachlorobutadiene
 Concen: 52.159 ug/l
 RT: 15.84 min Scan# 1505
 Delta R.T. 0.00 min
 Lab File: VD060812.D
 Acq: 1 Feb 2019 11:23

Tgt Ion:225 Resp: 350429
 Ion Ratio Lower Upper
 225 100
 223 62.2 31.8 95.4
 227 64.5 31.9 95.5



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





#95

Naphthalene

Concen: 42.791 ug/l

RT: 15.92 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

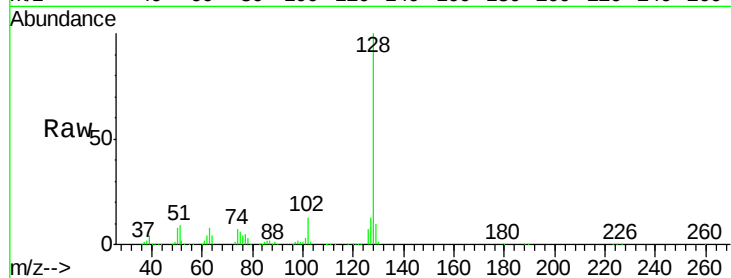
Tot Ion:128 Resp: 588723

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

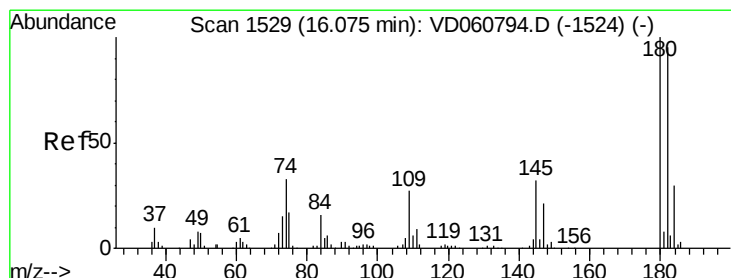
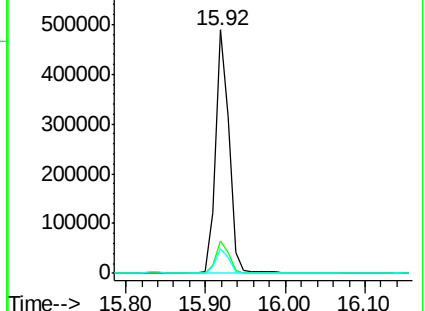
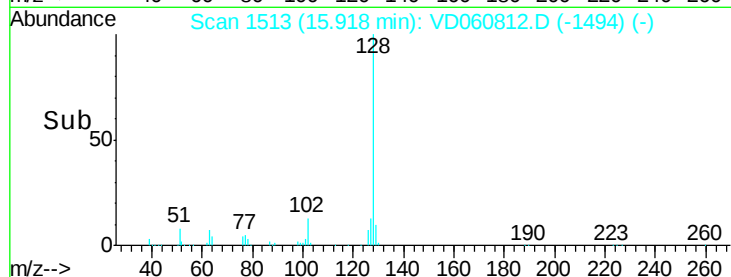
129 10.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 42.042 ug/l

RT: 16.07 min Scan# 1528

Delta R.T. -0.01 min

Lab File: VD060812.D

Acq: 1 Feb 2019 11:23

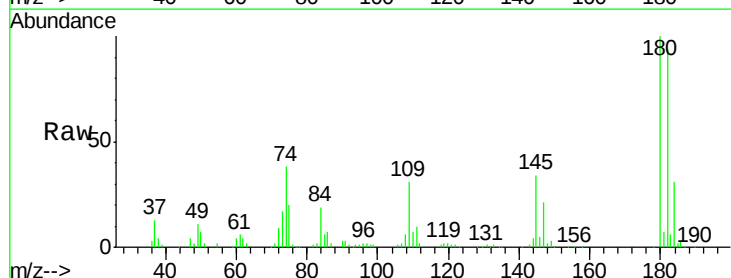
Tgt Ion:180 Resp: 327351

Ion Ratio Lower Upper

180 100

182 94.1 47.4 142.3

145 34.0 15.8 47.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

