

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD033119\
 Data File : VD061443.D
 Acq On : 31 Mar 2019 13:11
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 01 01:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	652570	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	1092485	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.39	117	891842	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	376206	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.49	65	292224	52.42	ug/l	0.05
Spiked Amount			Recovery	=	104.84%	
35) Dibromofluoromethane	6.95	113	461246	55.25	ug/l	0.05
Spiked Amount			Recovery	=	110.50%	
50) Toluene-d8	10.44	98	1138768	56.87	ug/l	0.05
Spiked Amount			Recovery	=	113.74%	
62) 4-Bromofluorobenzene	13.57	95	444710	57.92	ug/l	0.02
Spiked Amount			Recovery	=	115.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	314809	45.172	ug/l	99
3) Chloromethane	1.77	50	238712	41.999	ug/l	99
4) Vinyl Chloride	1.86	62	230349	44.139	ug/l	97
5) Bromomethane	2.17	94	43440	41.977	ug/l #	91
6) Chloroethane	2.28	64	75737	49.489	ug/l	100
7) Trichlorofluoromethane	2.54	101	331450	43.677	ug/l	95
8) Diethyl Ether	2.89	74	114205	46.742	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	375516	46.028	ug/l	97
10) Methyl Iodide	3.33	142	488677	40.135	ug/l	98
11) Tert butyl alcohol	4.08	59	94454	272.074	ug/l	99
12) 1,1-Dichloroethene	3.15	96	312263	44.581	ug/l	98
13) Acrolein	3.06	56	73476	280.587	ug/l	93
14) Allyl chloride	3.65	41	449644	46.025	ug/l	99
15) Acrylonitrile	4.22	53	306475	254.350	ug/l	95
16) Acetone	3.24	43	395967	276.316	ug/l	99
17) Carbon Disulfide	3.40	76	969230	42.589	ug/l	99
18) Methyl Acetate	3.67	43	142931	47.438	ug/l	97
19) Methyl tert-butyl Ether	4.27	73	598959	49.400	ug/l	99
20) Methylene Chloride	3.84	84	341849	42.287	ug/l	98
21) trans-1,2-Dichloroethene	4.25	96	355051	46.950	ug/l	97
22) Diisopropyl ether	5.15	45	970855	46.960	ug/l	99
23) Vinyl Acetate	5.09	43	2611486	232.546	ug/l	99
24) 1,1-Dichloroethane	5.02	63	571967	47.076	ug/l	99
25) 2-Butanone	6.10	43	460494	255.459	ug/l	99
26) 2,2-Dichloropropane	6.06	77	457995	47.419	ug/l	99
27) cis-1,2-Dichloroethene	6.07	96	381733	46.073	ug/l	94
28) Bromochloromethane	6.47	49	233531	47.616	ug/l #	93
29) Tetrahydrofuran	6.48	42	232885	266.545	ug/l	99
30) Chloroform	6.70	83	601817	47.938	ug/l	99
31) Cyclohexane	6.98	56	462778	48.200	ug/l	98
32) 1,1,1-Trichloroethane	6.90	97	529542	47.812	ug/l	99
36) 1,1-Dichloropropene	7.18	75	453417	47.553	ug/l	98
37) Ethyl Acetate	6.22	43	211398	51.840	ug/l	97
38) Carbon Tetrachloride	7.14	117	573464	52.340	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	455046	45.823	ug/l	96
40) Benzene	7.49	78	1105435	46.194	ug/l	96
41) Methacrylonitrile	6.47	41	252074	52.868	ug/l #	95
42) 1,2-Dichloroethane	7.61	62	344162	48.080	ug/l	100
43) Isopropyl Acetate	9.27	43	309781	52.211	ug/l #	97
44) Trichloroethene	8.57	130	421428	47.322	ug/l	98
45) 1,2-Dichloropropane	8.96	63	285702	47.084	ug/l	99
46) Dibromomethane	9.09	93	200481	49.087	ug/l	98
47) Bromodichloromethane	9.40	83	456380	49.786	ug/l	97
48) Methyl methacrylate	9.15	41	166111	50.729	ug/l	96
49) 1,4-Dioxane	9.10	88	38961	1078.741	ug/l	95
51) 4-Methyl-2-Pentanone	10.33	43	900047	249.340	ug/l	96
52) Toluene	10.54	92	687299	47.078	ug/l	100
53) t-1,3-Dichloropropene	10.94	75	419120	50.324	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	492566	48.570	ug/l	98
55) 1,1,2-Trichloroethane	11.22	97	237297	46.478	ug/l	98
56) Ethyl methacrylate	11.07	69	258237	47.082	ug/l	97
57) 1,3-Dichloropropane	11.43	76	358306	47.746	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.89	63	682431	255.489	ug/l	95
59) 2-Hexanone	11.55	43	693360	265.112	ug/l	98
60) Dibromochloromethane	11.71	129	392132	49.820	ug/l	99
61) 1,2-Dibromoethane	11.83	107	281156	47.556	ug/l	99
64) Tetrachloroethene	11.29	164	319745	45.682	ug/l	98
65) Chlorobenzene	12.42	112	853969	46.854	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.54	131	323429	45.831	ug/l	99
67) Ethyl Benzene	12.55	91	1259865	45.286	ug/l	98
68) m/p-Xylenes	12.68	106	897341	85.150	ug/l	95
69) o-Xylene	13.07	106	440948	43.118	ug/l	98
70) Styrene	13.09	104	749626	42.050	ug/l	96
71) Bromoform	13.25	173	225785	50.472	ug/l	99
73) Isopropylbenzene	13.42	105	1427031	54.501	ug/l	99
74) N-amyl acetate	13.28	43	388485	53.261	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.72	83	285685	51.722	ug/l	94
76) 1,2,3-Trichloropropane	13.75	75	265534	48.862	ug/l	99
77) Bromobenzene	13.69	156	382221	49.240	ug/l	88
78) n-propylbenzene	13.79	91	1588443	49.573	ug/l	96
79) 2-Chlorotoluene	13.85	91	894826	51.432	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	1119209	55.091	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.49	75	89580	54.063	ug/l	96
82) 4-Chlorotoluene	13.96	91	979647	51.784	ug/l	96
83) tert-Butylbenzene	14.20	119	1267379	49.919	ug/l	98
84) 1,2,4-Trimethylbenzene	14.25	105	1122457	51.035	ug/l	100
85) sec-Butylbenzene	14.39	105	1368424	50.736	ug/l	94
86) p-Isopropyltoluene	14.50	119	1234434	54.125	ug/l	99
87) 1,3-Dichlorobenzene	14.47	146	629863	47.918	ug/l	94
88) 1,4-Dichlorobenzene	14.55	146	636279	49.637	ug/l	99
89) n-Butylbenzene	14.81	91	1119985	53.503	ug/l	100
90) Hexachloroethane	15.03	117	330798	51.340	ug/l	95
91) 1,2-Dichlorobenzene	14.82	146	568692	52.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	38462	59.372	ug/l	97

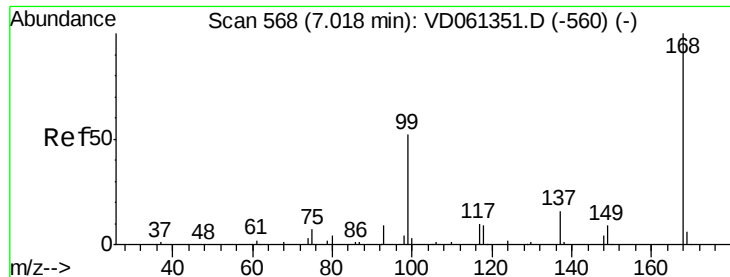
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.96	180	301087	61.302	ug/l	99
94) Hexachlorobutadiene	16.05	225	226932	59.128	ug/l	98
95) Naphthalene	16.14	128	497041	66.392	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	180427	83.481	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.07 min Scan# 574

Delta R.T. 0.05 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

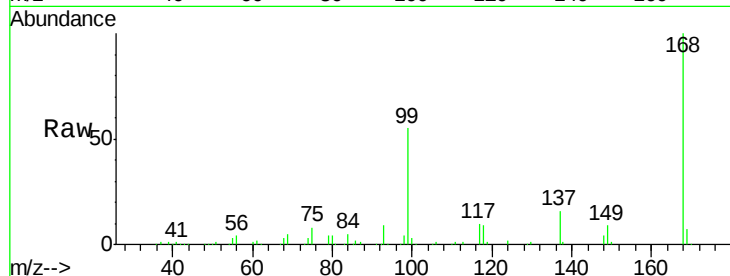
ClientSampleId :

Tot Ion:168 Resp: 652570

Ion Ratio Lower Upper

168 100

99 55.1 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.07

250000

200000

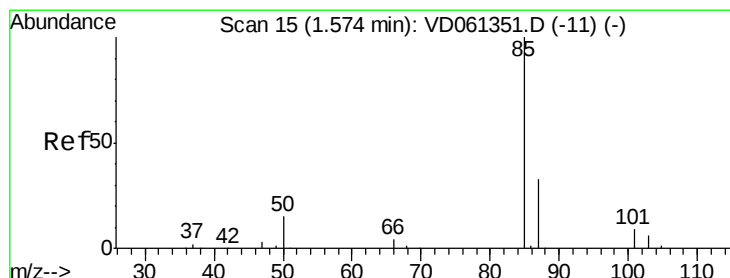
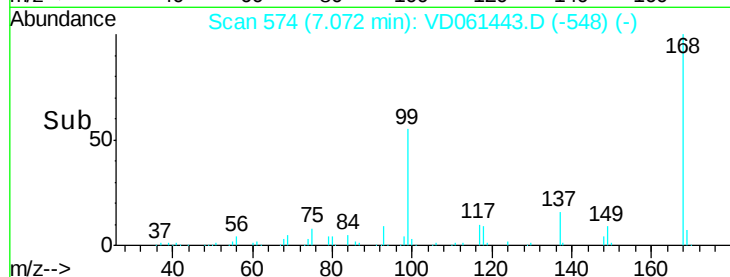
150000

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#2

Dichlorodifluoromethane

Concen: 45.172 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061443.D

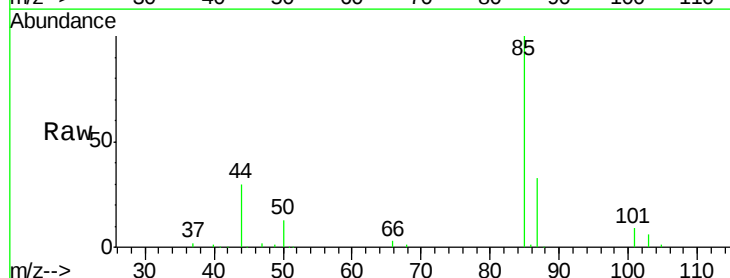
Acq: 31 Mar 2019 13:11

Tgt Ion: 85 Resp: 314809

Ion Ratio Lower Upper

85 100

87 32.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

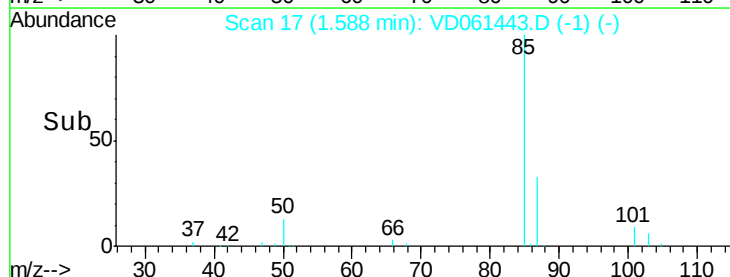
1.59

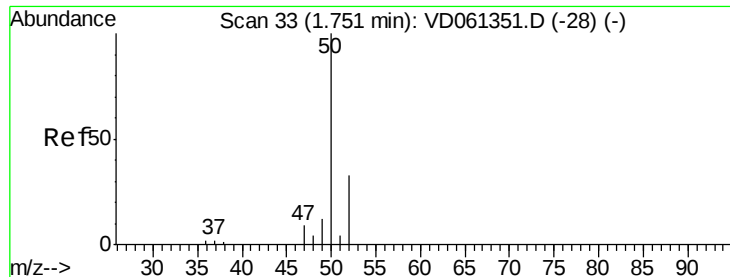
100000

50000

0

Time--> 1.50 1.60 1.70 1.80





#3

Chloromethane

Concen: 41.999 ug/l

RT: 1.77 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

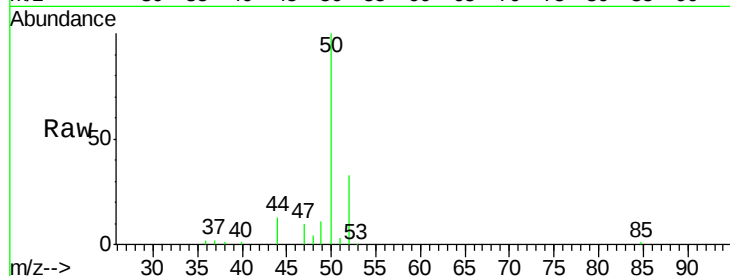
ClientSampleId :

Tot Ion: 50 Resp: 238712

Ion Ratio Lower Upper

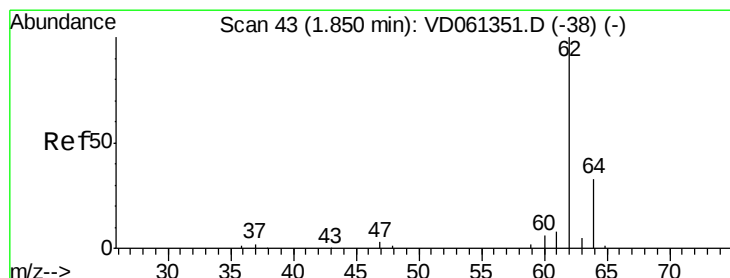
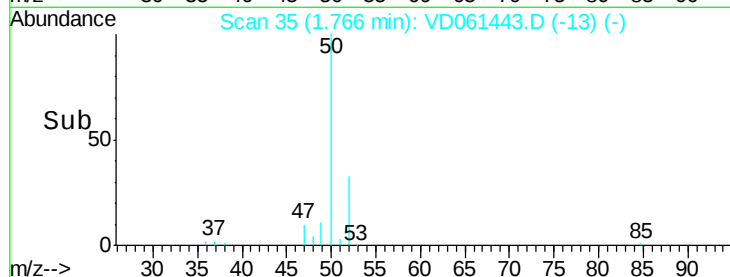
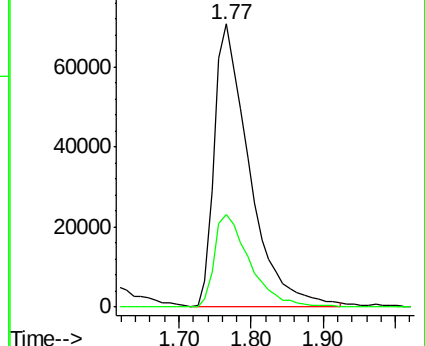
50 100

52 33.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.139 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD061443.D

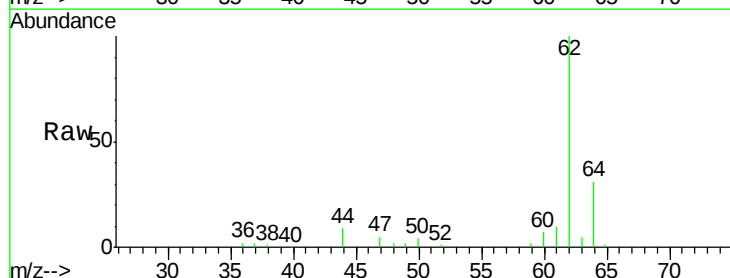
Acq: 31 Mar 2019 13:11

Tgt Ion: 62 Resp: 230349

Ion Ratio Lower Upper

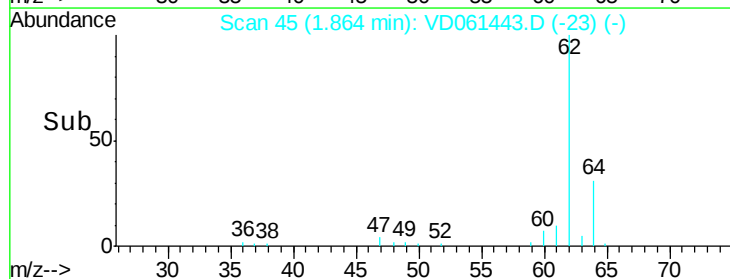
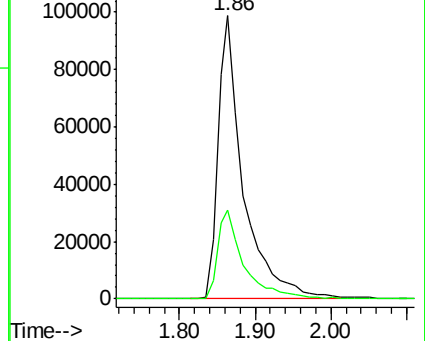
62 100

64 31.4 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 41.977 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

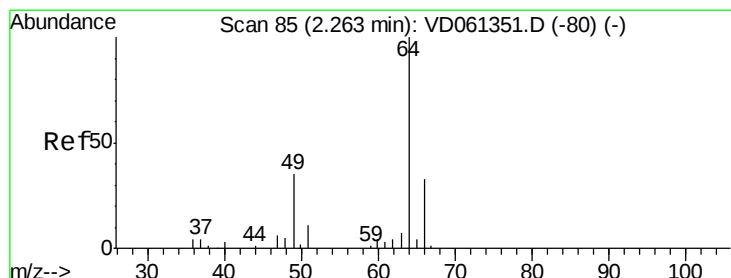
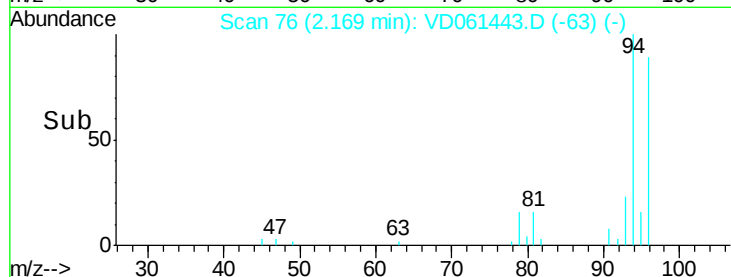
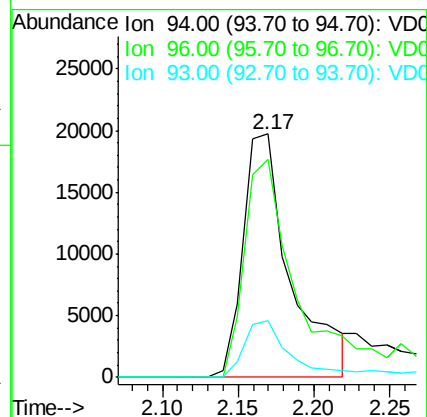
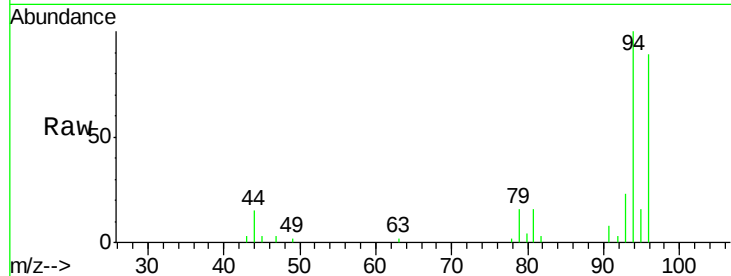
Tot Ion: 94 Resp: 43440

Ion Ratio Lower Upper

94 100

96 89.3 78.3 117.5

93 23.5 15.6 23.4#



#6

Chloroethane

Concen: 49.489 ug/l

RT: 2.28 min Scan# 87

Delta R.T. 0.01 min

Lab File: VD061443.D

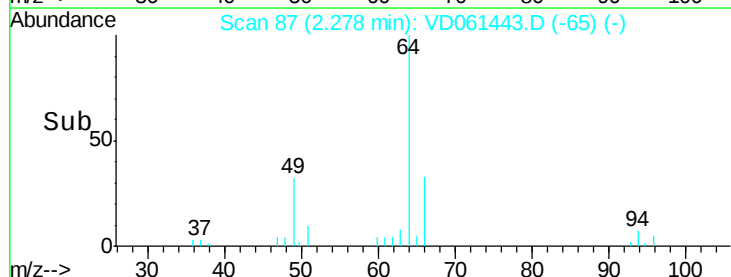
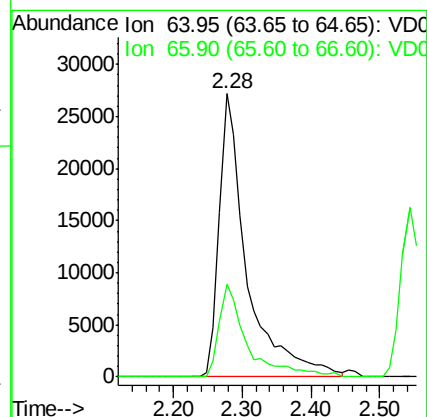
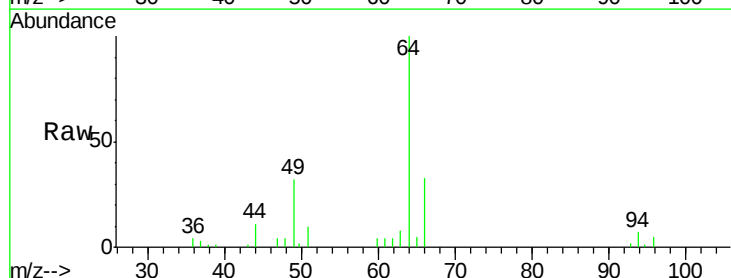
Acq: 31 Mar 2019 13:11

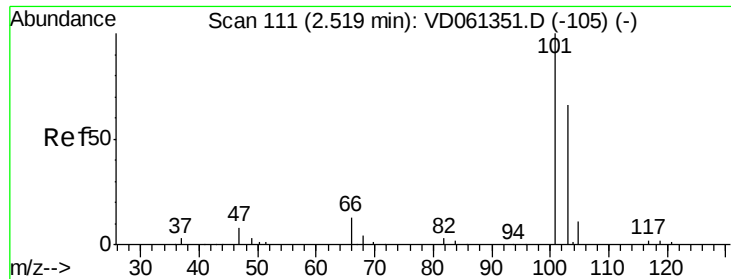
Tgt Ion: 64 Resp: 75737

Ion Ratio Lower Upper

64 100

66 32.9 26.2 39.2



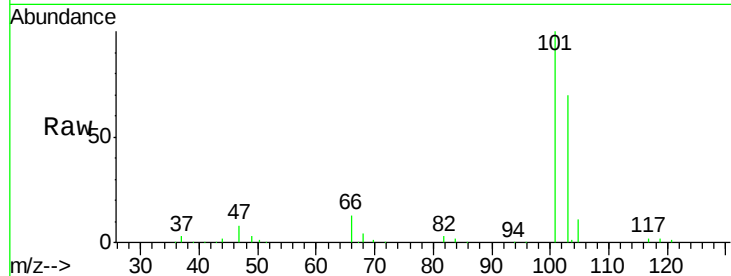


#7

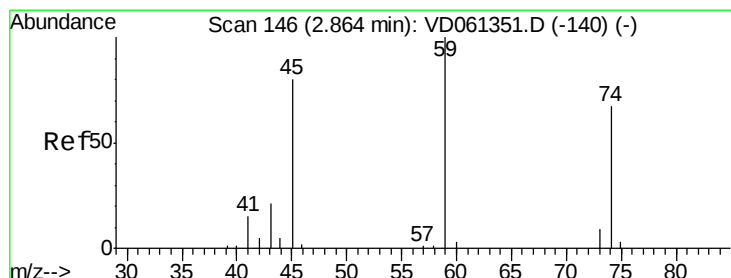
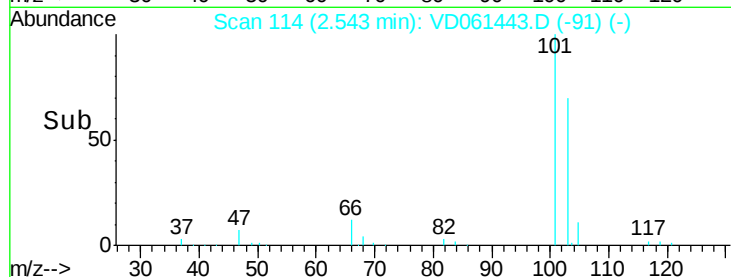
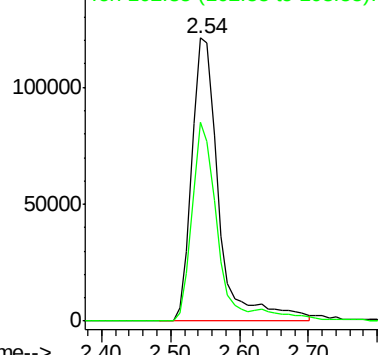
Trichlorofluoromethane
Concen: 43.677 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:101 Resp: 331450
Ion Ratio Lower Upper
101 100
103 70.1 53.1 79.7



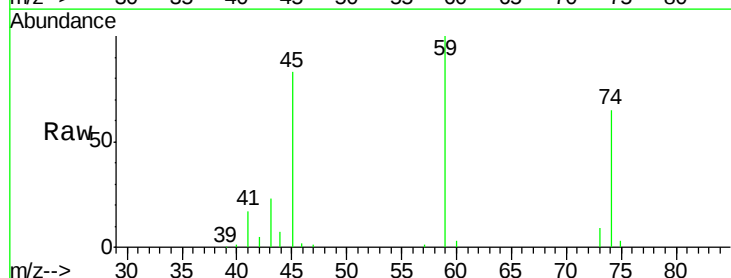
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



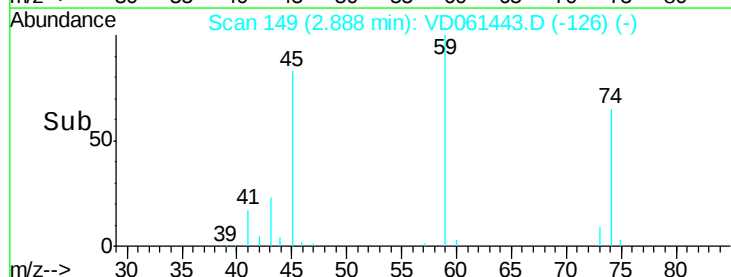
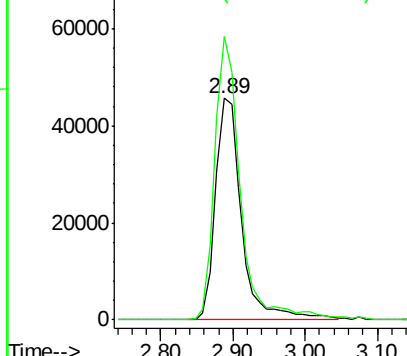
#8

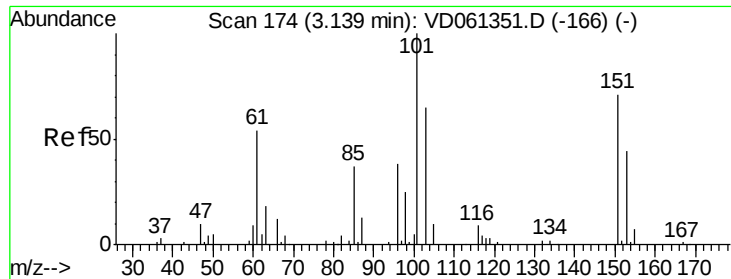
Diethyl Ether
Concen: 46.742 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 74 Resp: 114205
Ion Ratio Lower Upper
74 100
45 127.9 59.7 179.1



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: 46.028 ug/l

RT: 3.17 min Scan# 178

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

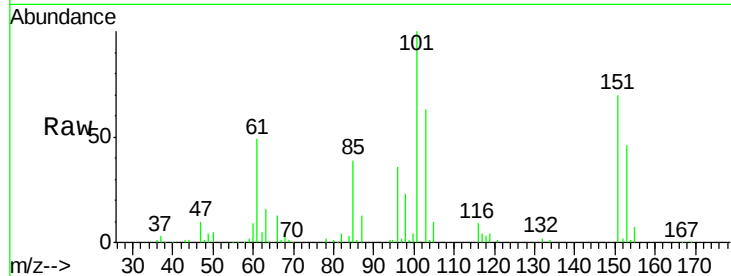
Tot Ion:101 Resp: 375516

Ion Ratio Lower Upper

101 100

85 39.3 29.4 44.0

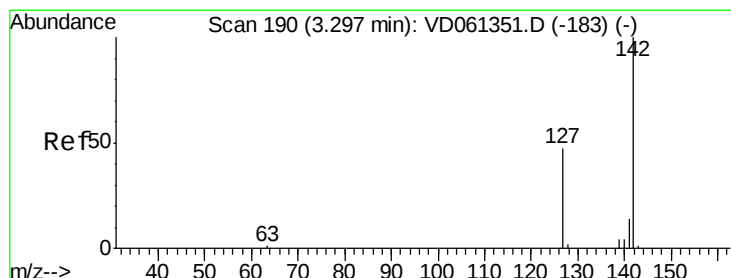
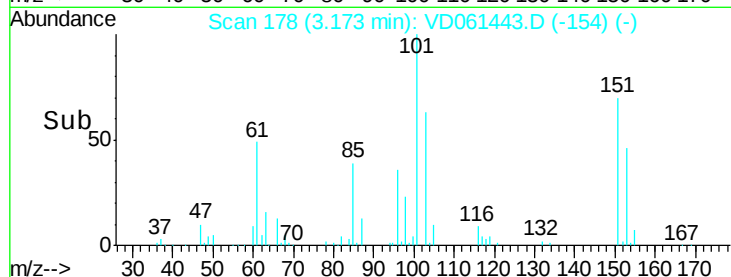
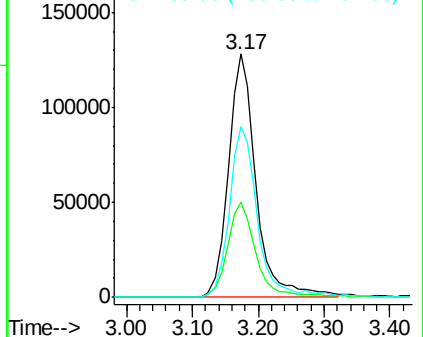
151 69.9 57.0 85.4



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: 40.135 ug/l

RT: 3.33 min Scan# 194

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

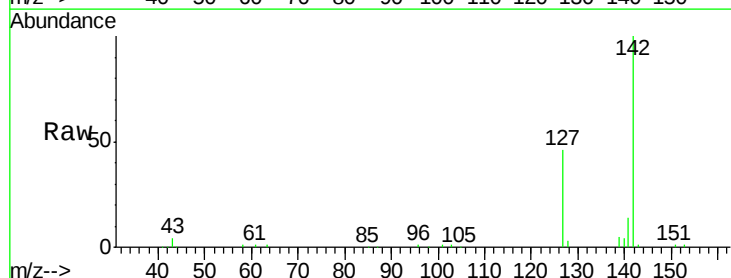
Tgt Ion:142 Resp: 488677

Ion Ratio Lower Upper

142 100

127 45.7 37.7 56.5

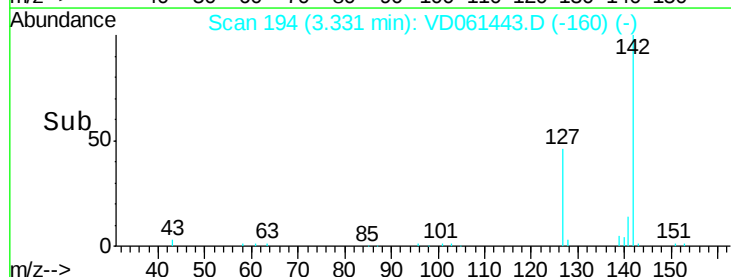
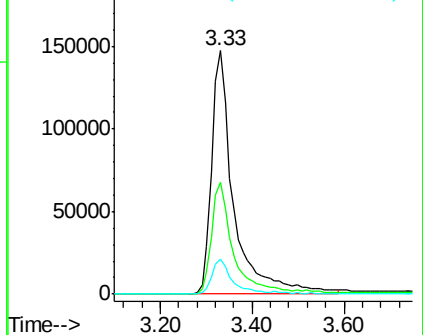
141 14.1 11.5 17.3

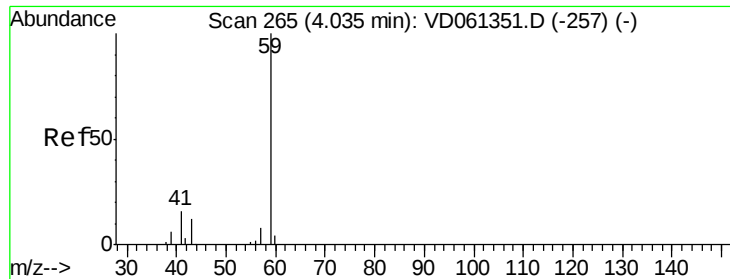


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

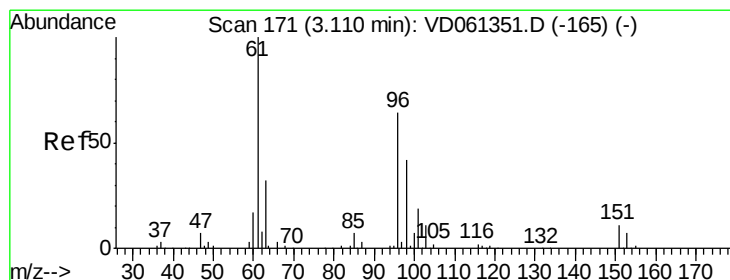
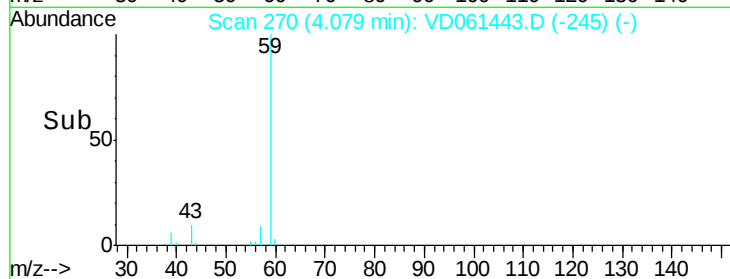
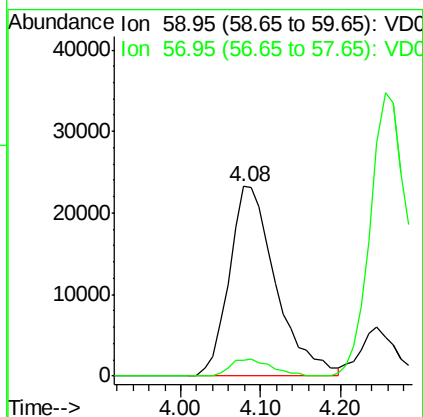
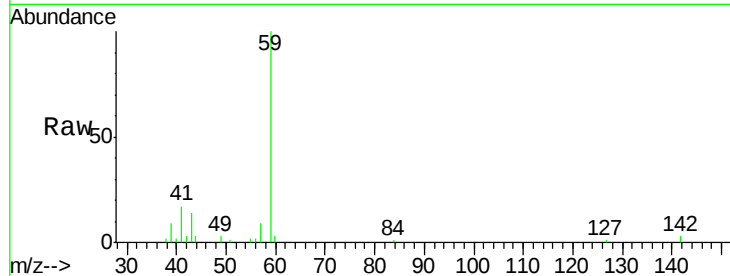




#11
Tert butyl alcohol
Concen: 272.074 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.04 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

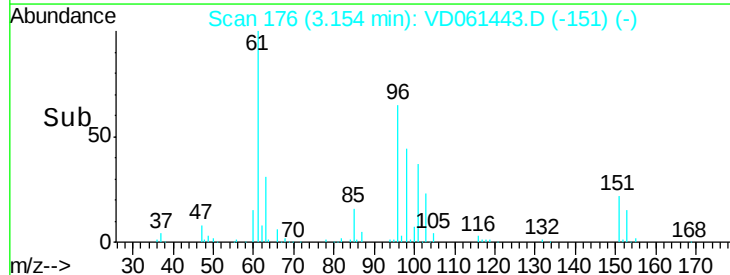
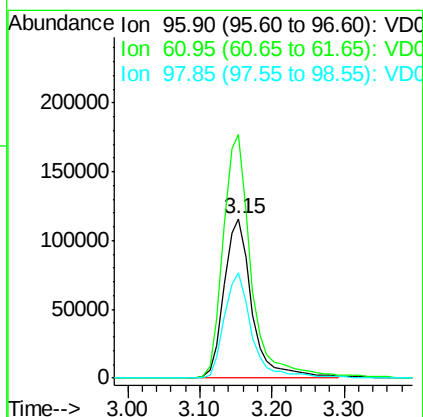
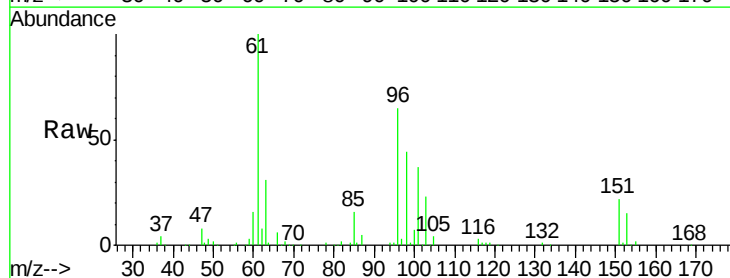
Instrument :
MSVOA_D
ClientSampleId :

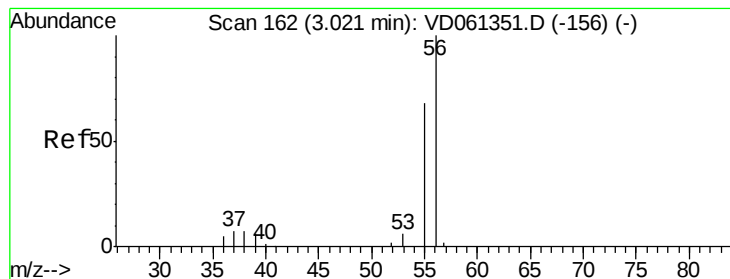
Tot Ion: 59 Resp: 94454
Ion Ratio Lower Upper
59 100
57 8.6 6.7 10.1



#12
1,1-Dichloroethene
Concen: 44.581 ug/l
RT: 3.15 min Scan# 176
Delta R.T. 0.04 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 96 Resp: 312263
Ion Ratio Lower Upper
96 100
61 152.9 124.9 187.3
98 66.5 52.5 78.7





#13

Acrolein

Concen: 280.587 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

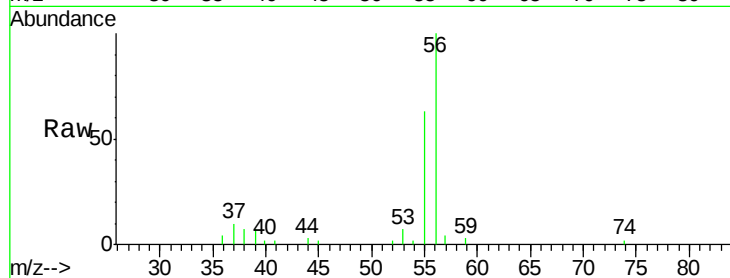
ClientSampled :

Tot Ion: 56 Resp: 73476

Ion Ratio Lower Upper

56 100

55 62.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.06

25000

20000

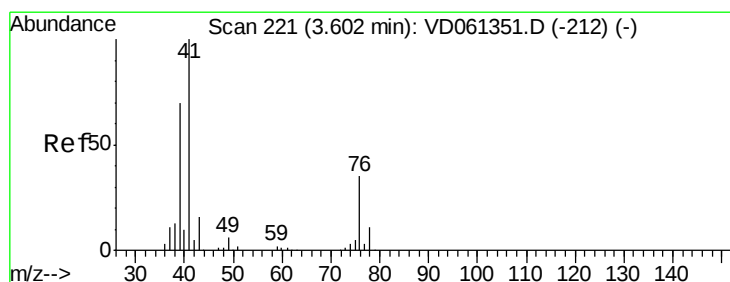
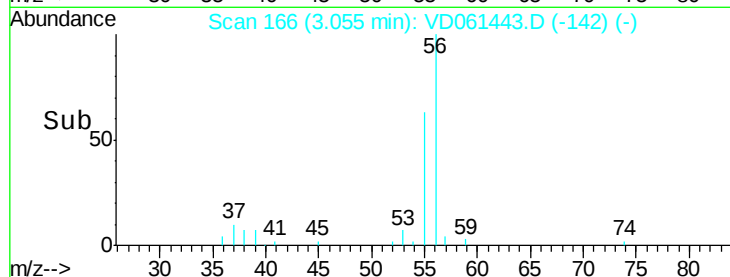
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 46.025 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.04 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

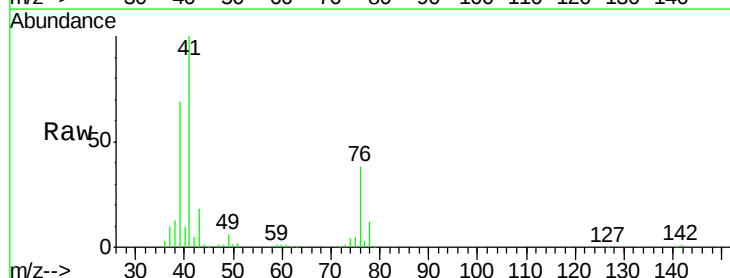
Tgt Ion: 41 Resp: 449644

Ion Ratio Lower Upper

41 100

39 68.7 55.6 83.4

76 37.8 31.0 46.6



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

200000

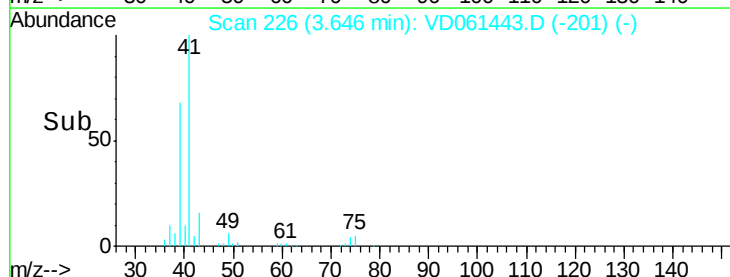
150000

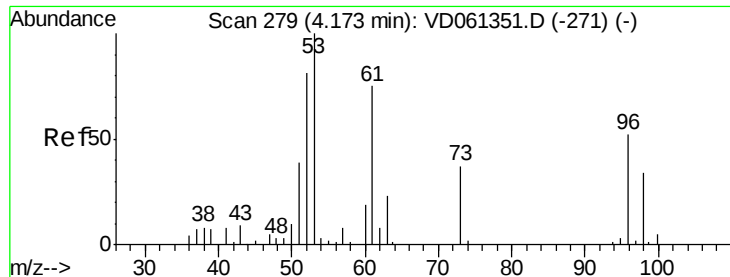
100000

50000

0

Time-->

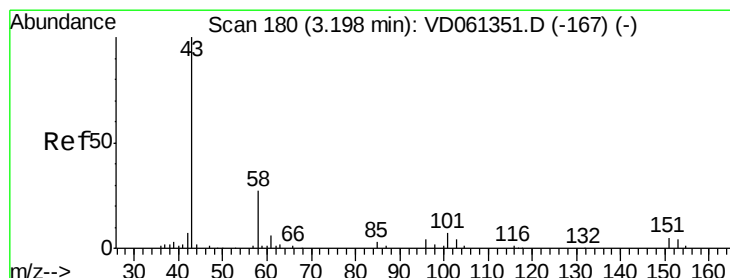
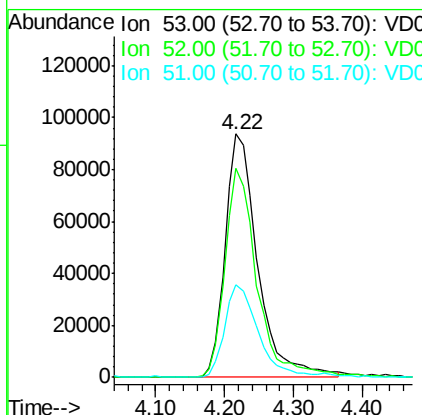
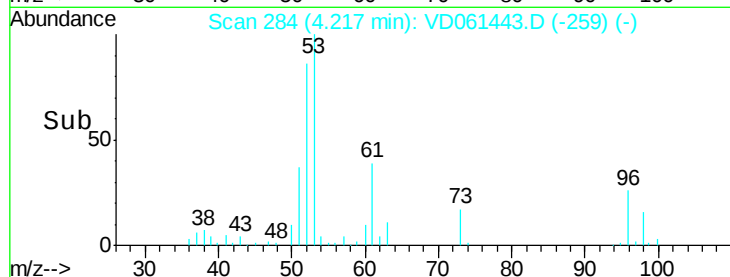
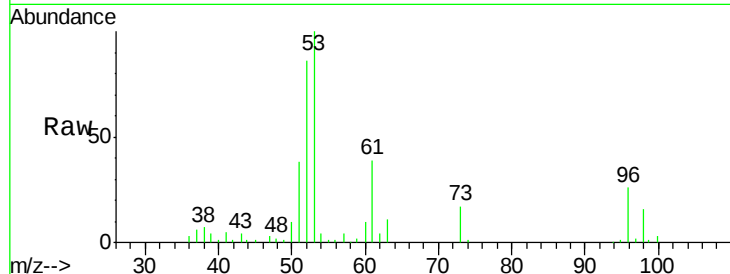




#15
 Acrylonitrile
 Concen: 254.350 ug/l
 RT: 4.22 min Scan# 284
 Delta R.T. 0.04 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

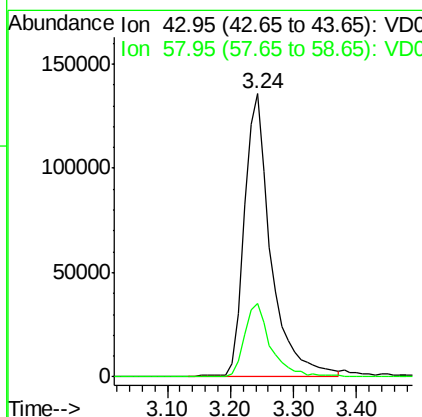
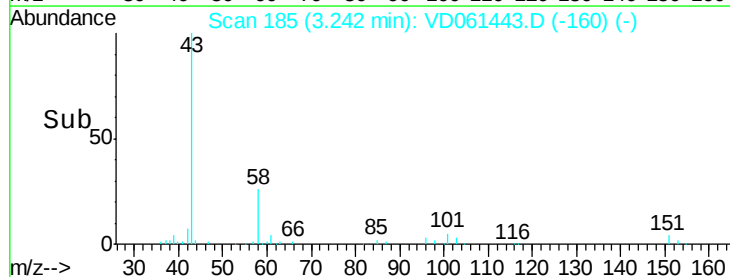
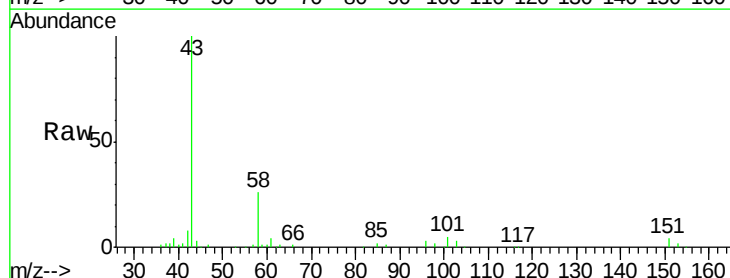
Instrument :
 MSVOA_D
 ClientSampleId :

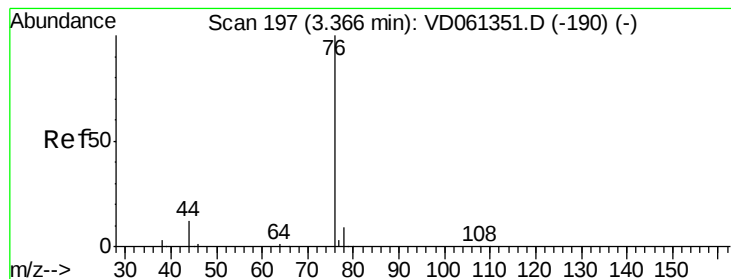
Tot Ion: 53 Resp: 306475
 Ion Ratio Lower Upper
 53 100
 52 86.1 64.8 97.2
 51 37.8 31.4 47.2



#16
 Acetone
 Concen: 276.316 ug/l
 RT: 3.24 min Scan# 185
 Delta R.T. 0.04 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Tgt Ion: 43 Resp: 395967
 Ion Ratio Lower Upper
 43 100
 58 26.1 21.5 32.3





#17

Carbon Disulfide

Concen: 42.589 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

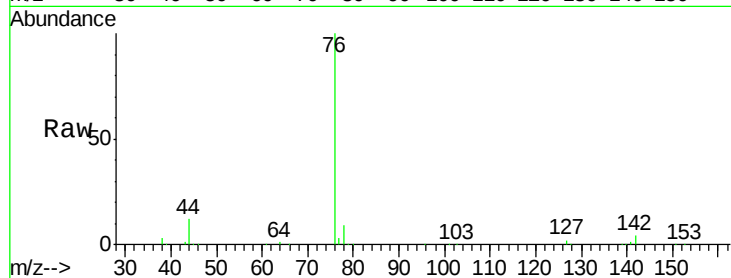
ClientSampleId :

Tot Ion: 76 Resp: 969230

Ion Ratio Lower Upper

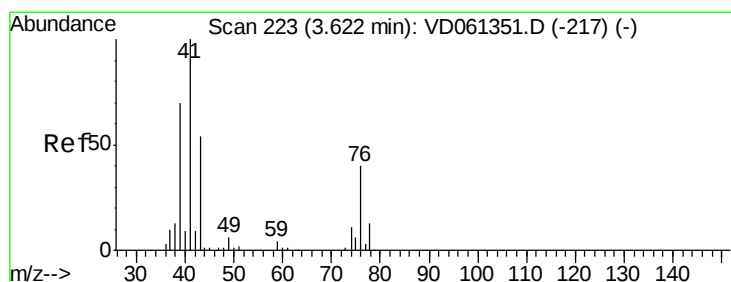
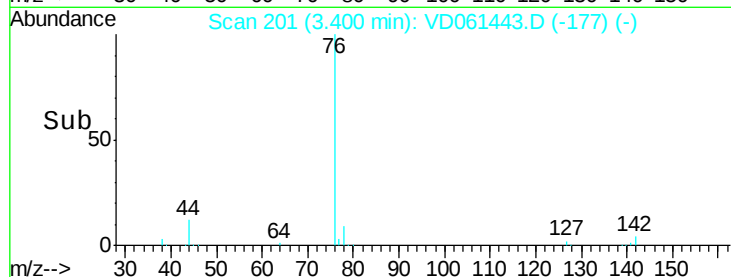
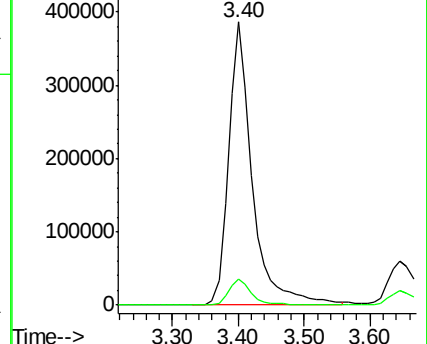
76 100

78 9.4 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.438 ug/l

RT: 3.67 min Scan# 228

Delta R.T. 0.04 min

Lab File: VD061443.D

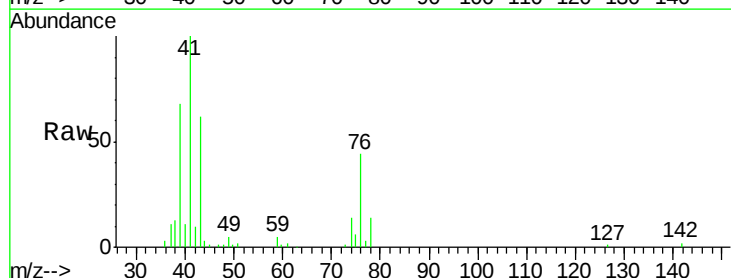
Acq: 31 Mar 2019 13:11

Tgt Ion: 43 Resp: 142931

Ion Ratio Lower Upper

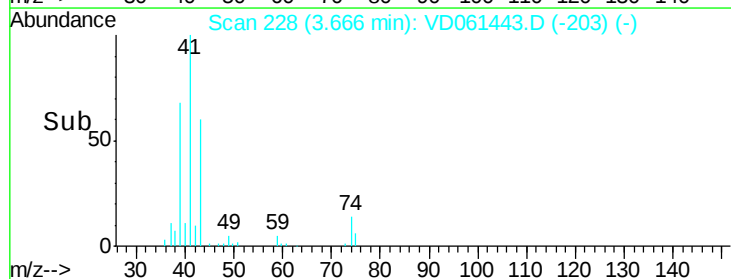
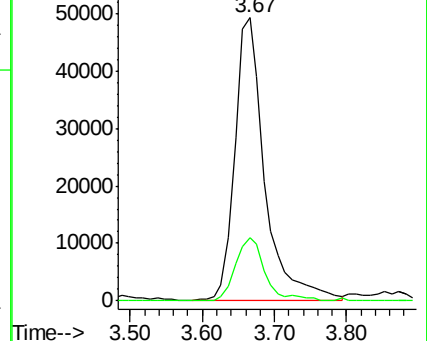
43 100

74 22.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

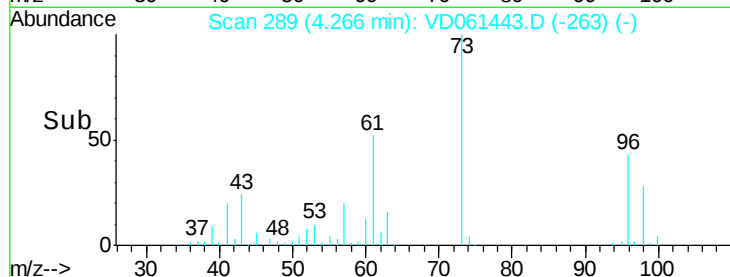
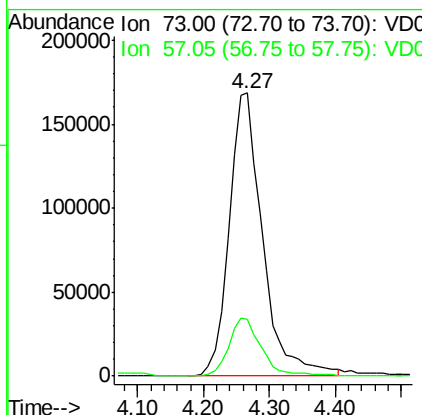
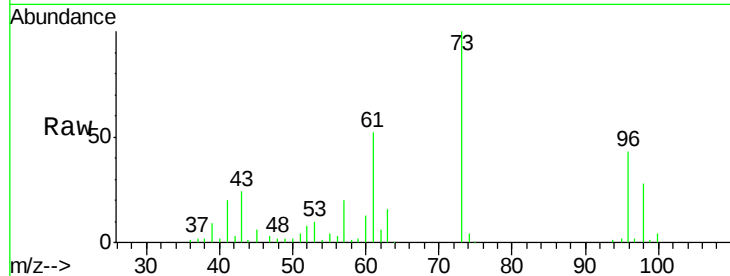




#19
Methyl tert-butyl Ether
Concen: 49.400 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.05 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

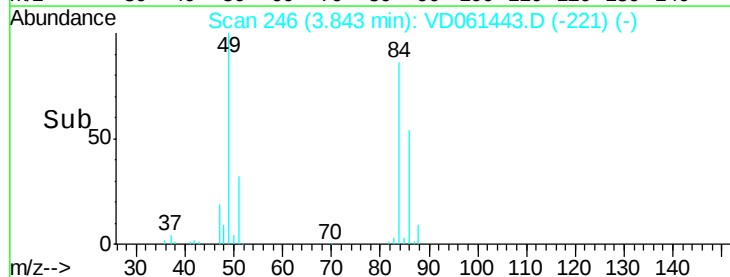
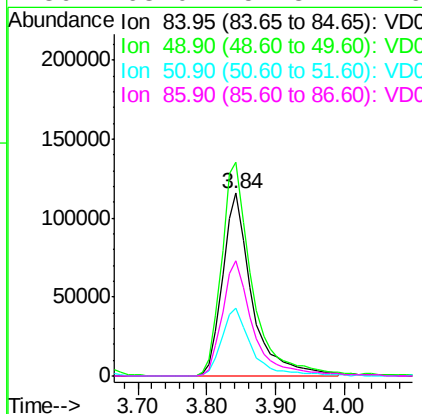
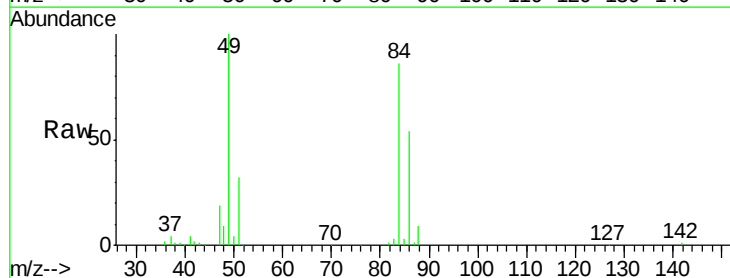
Instrument :
MSVOA_D
ClientSampleId :

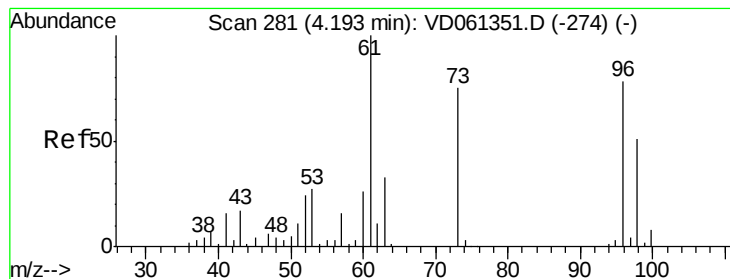
Tot Ion: 73 Resp: 598959
Ion Ratio Lower Upper
73 100
57 19.9 16.4 24.6



#20
Methylene Chloride
Concen: 42.287 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.04 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 84 Resp: 341849
Ion Ratio Lower Upper
84 100
49 116.8 91.8 137.8
51 36.9 29.8 44.8
86 63.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 46.950 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.05 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

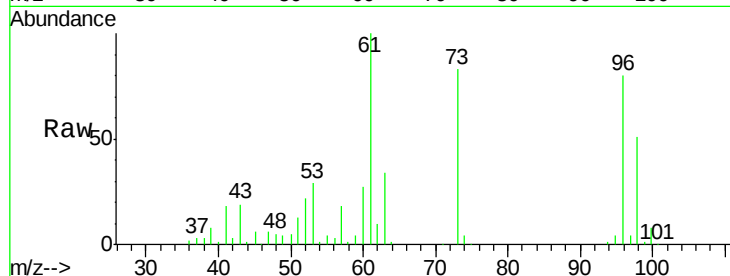
Tot Ion: 96 Resp: 355051

Ion Ratio Lower Upper

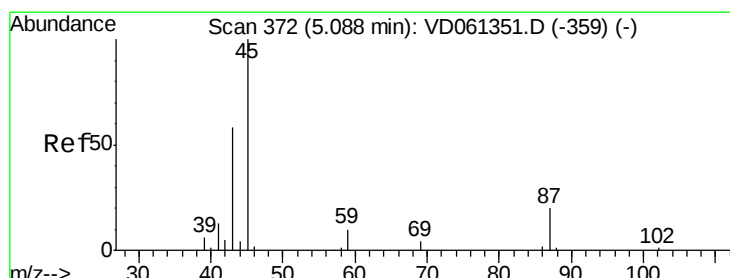
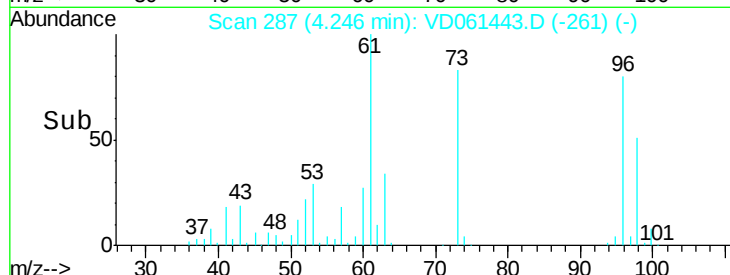
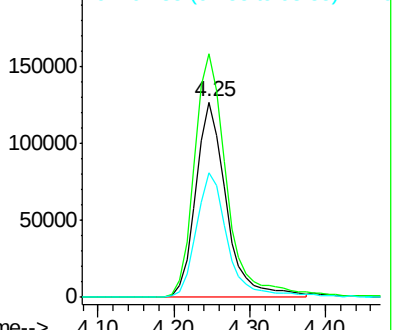
96 100

61 124.8 102.7 154.1

98 64.1 52.2 78.4



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



#22

Diisopropyl ether

Concen: 46.960 ug/l

RT: 5.15 min Scan# 379

Delta R.T. 0.06 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Tgt Ion: 45 Resp: 970855

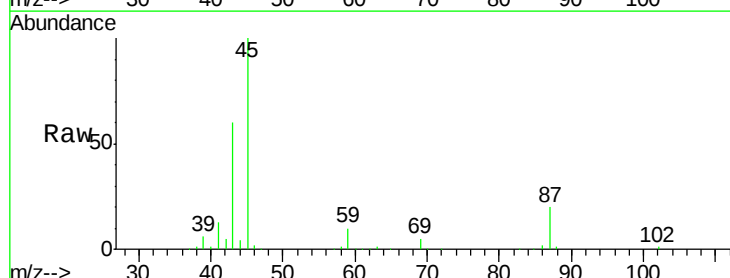
Ion Ratio Lower Upper

45 100

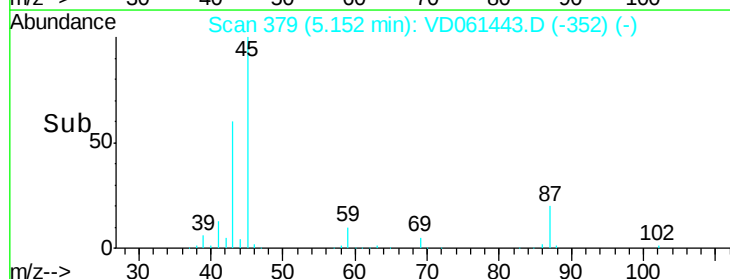
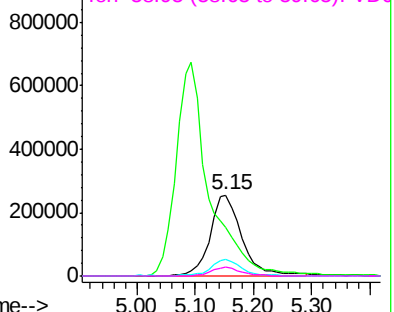
43 59.9 47.4 71.2

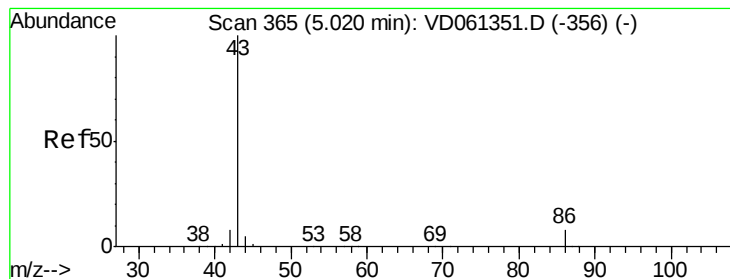
87 19.9 16.3 24.5

59 10.3 8.4 12.6



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: 232.546 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.07 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

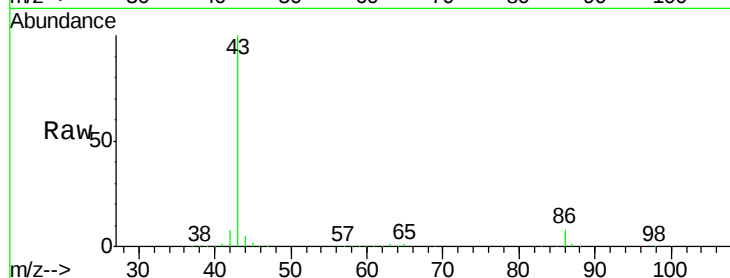
ClientSampleId :

Tot Ion: 43 Resp: 2611486

Ion Ratio Lower Upper

43 100

86 7.9 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.09

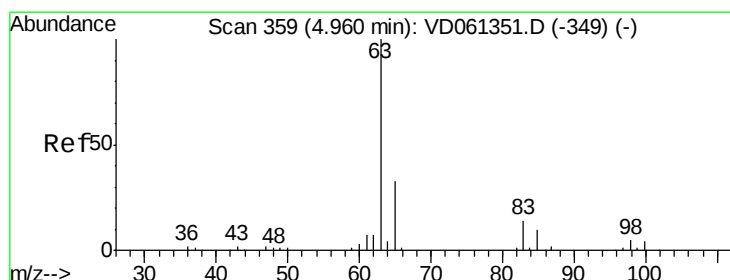
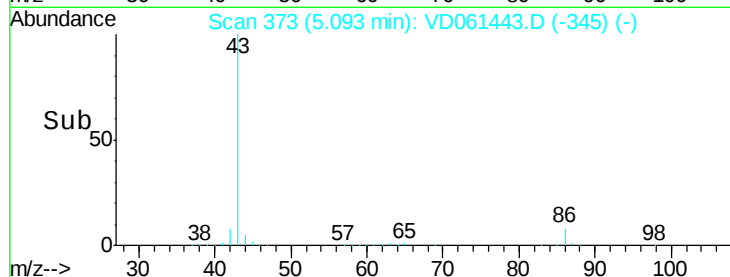
600000

400000

200000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#24

1,1-Dichloroethane

Concen: 47.076 ug/l

RT: 5.02 min Scan# 366

Delta R.T. 0.06 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

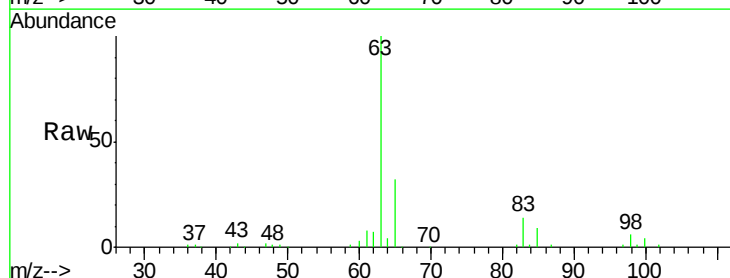
Tgt Ion: 63 Resp: 571967

Ion Ratio Lower Upper

63 100

98 5.8 2.6 8.0

100 3.7 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

5.02

200000

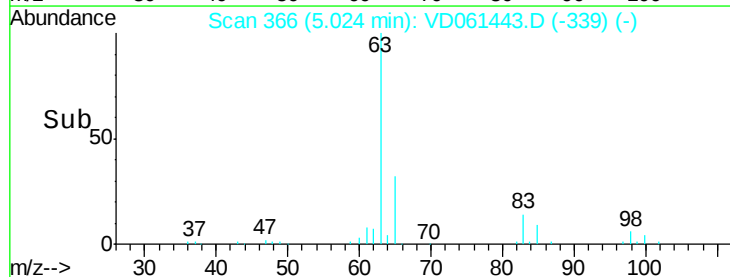
150000

100000

50000

0

Time--> 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 255.459 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.06 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

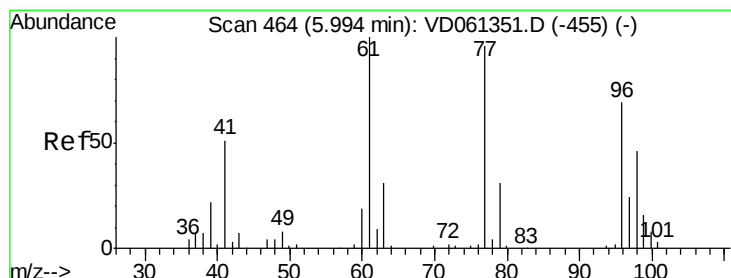
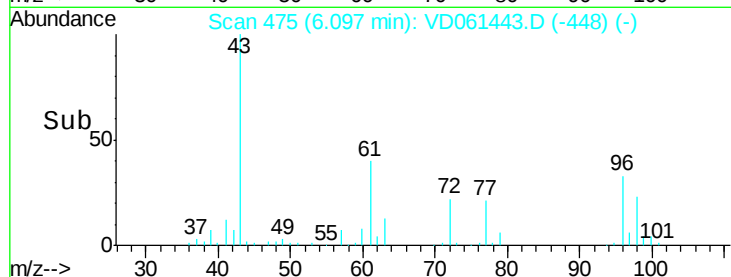
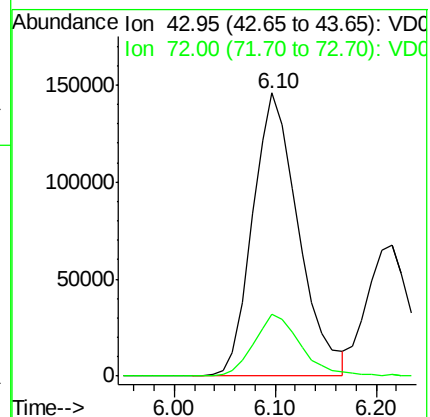
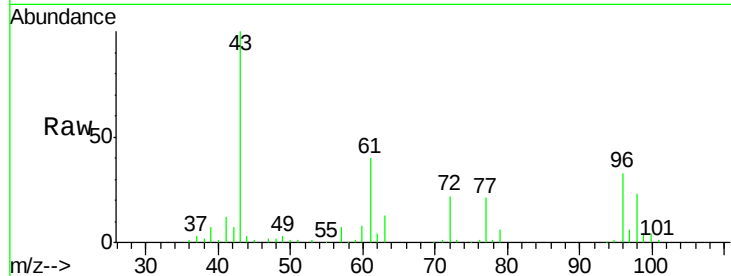
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 460494

Ion Ratio Lower Upper

43 100

72 22.1 17.2 25.8



#26

2,2-Dichloropropane

Concen: 47.419 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.06 min

Lab File: VD061443.D

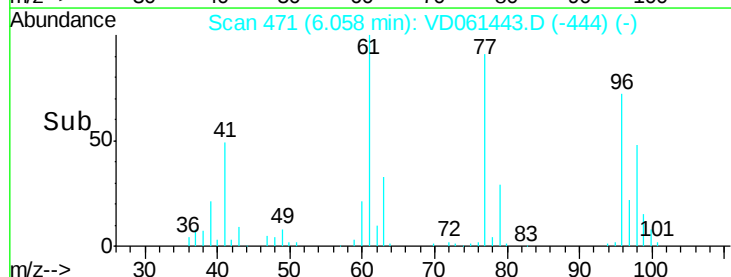
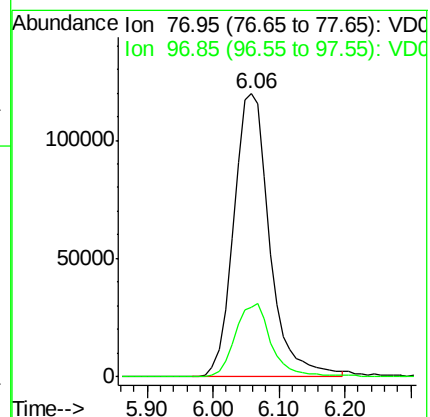
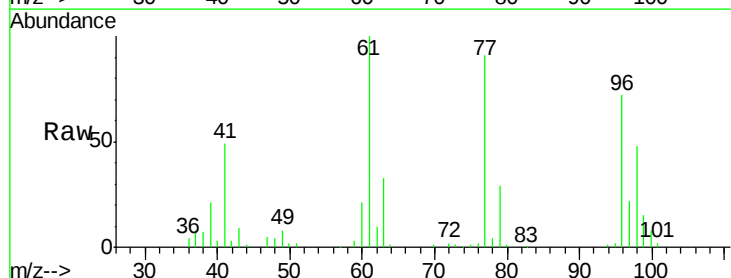
Acq: 31 Mar 2019 13:11

Tgt Ion: 77 Resp: 457995

Ion Ratio Lower Upper

77 100

97 24.8 12.7 38.0



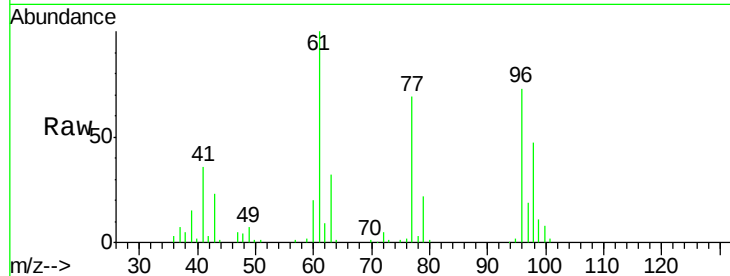


#27

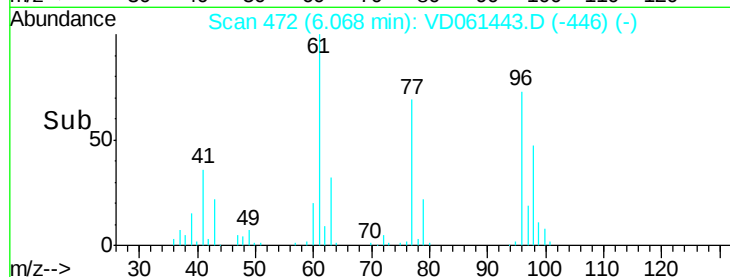
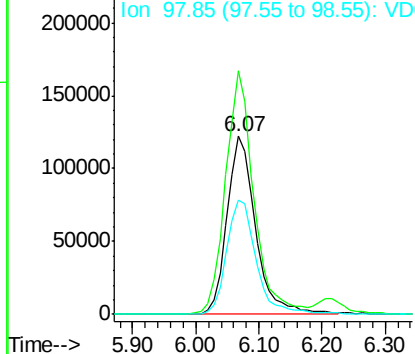
cis-1,2-Dichloroethene
Concen: 46.073 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.05 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 96 Resp: 381733
Ion Ratio Lower Upper
96 100
61 136.7 0.0 251.6
98 64.3 0.0 129.2



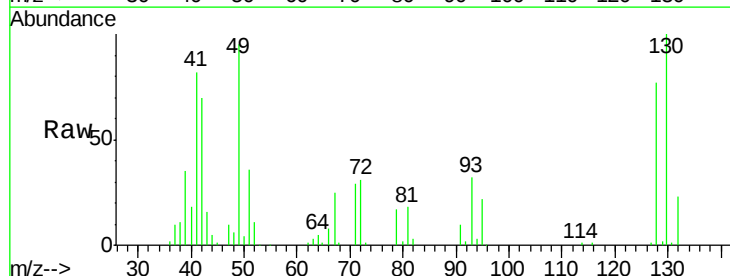
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



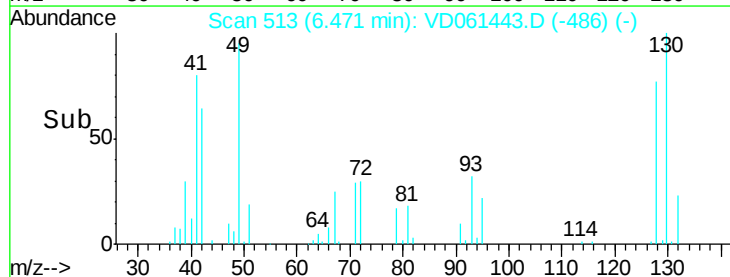
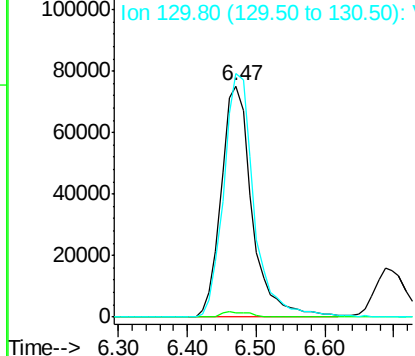
#28

Bromochloromethane
Concen: 47.616 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.06 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 49 Resp: 233531
Ion Ratio Lower Upper
49 100
129 2.0 0.0 0.0#
130 105.2 78.4 117.6



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

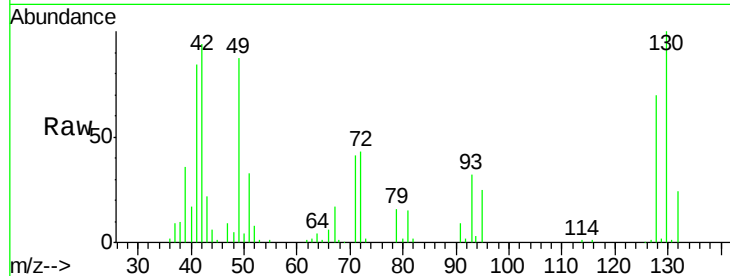




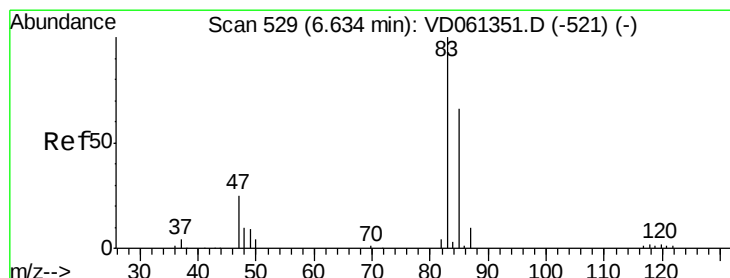
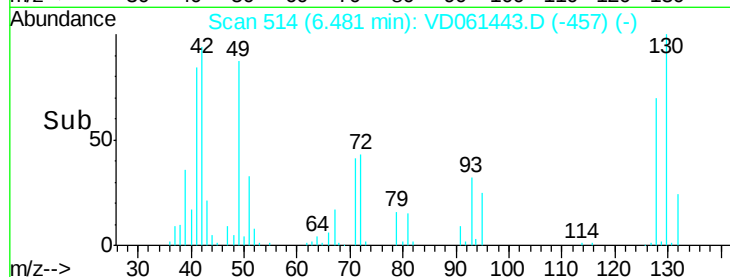
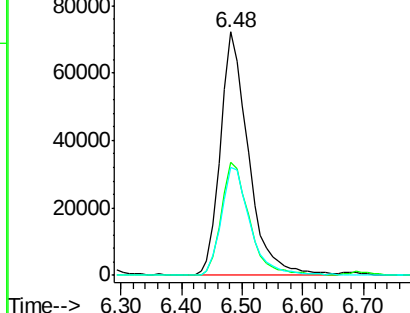
#29
Tetrahydrofuran
Concen: 266.545 ug/l
RT: 6.48 min Scan# 514
Delta R.T. 0.06 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 232885
Ion Ratio Lower Upper
42 100
72 46.1 37.4 56.0
71 45.2 36.7 55.1

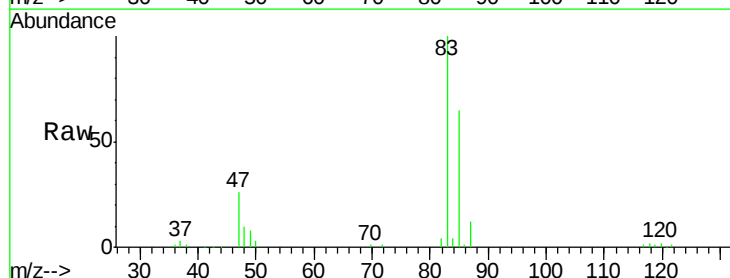


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

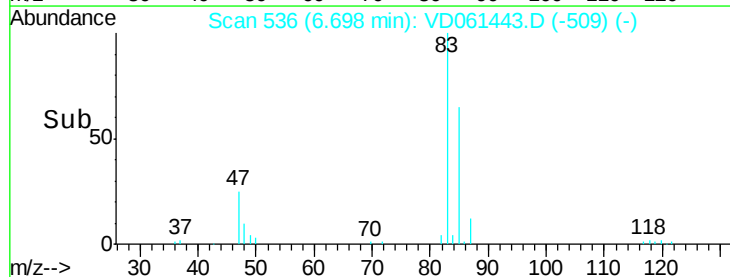
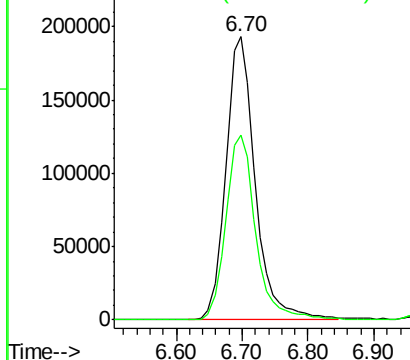


#30
Chloroform
Concen: 47.938 ug/l
RT: 6.70 min Scan# 536
Delta R.T. 0.06 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 83 Resp: 601817
Ion Ratio Lower Upper
83 100
85 65.4 53.0 79.4



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





#31

Cyclohexane

Concen: 48.200 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.05 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampled :

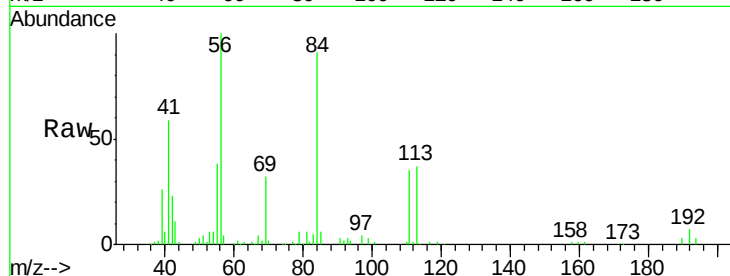
Tot Ion: 56 Resp: 462778

Ion Ratio Lower Upper

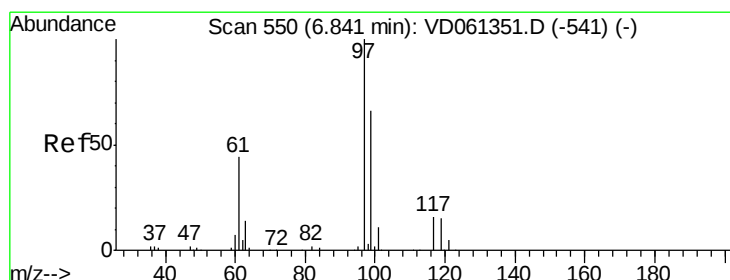
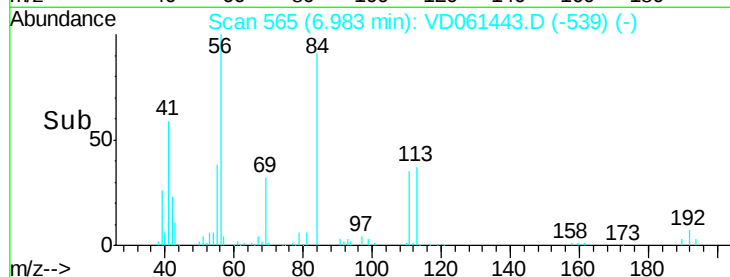
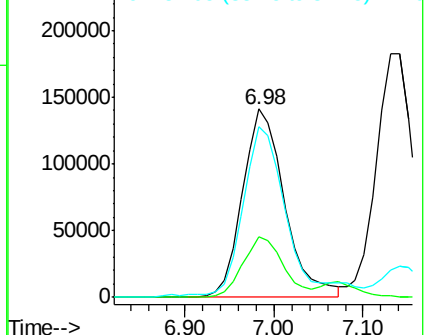
56 100

69 32.2 25.7 38.5

84 90.6 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 47.812 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.06 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

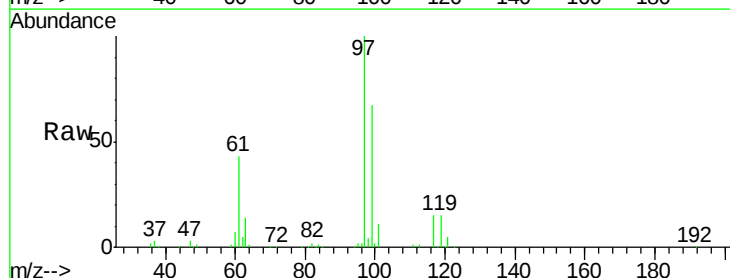
Tgt Ion: 97 Resp: 529542

Ion Ratio Lower Upper

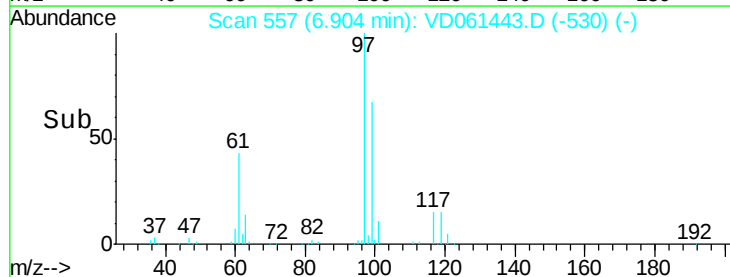
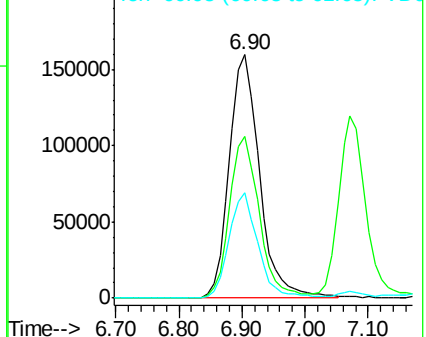
97 100

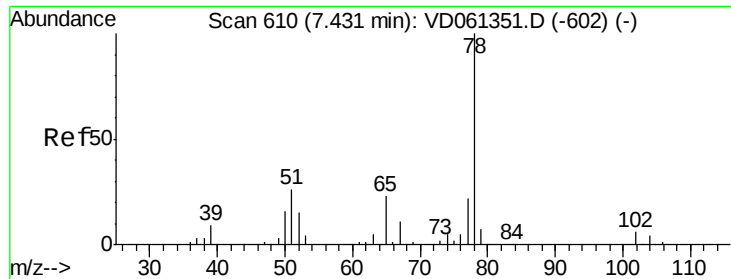
99 66.6 53.1 79.7

61 43.1 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

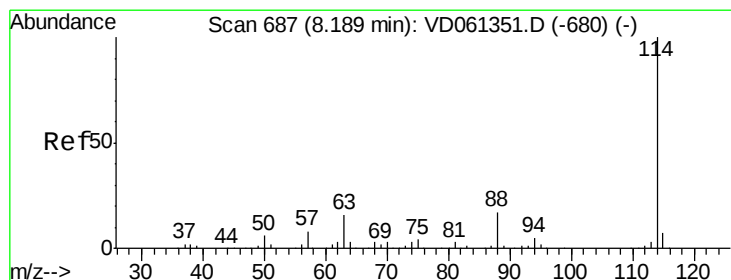
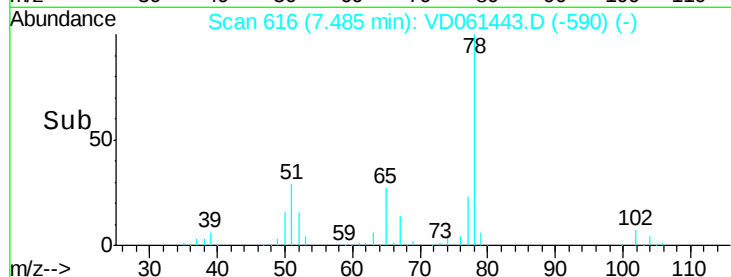
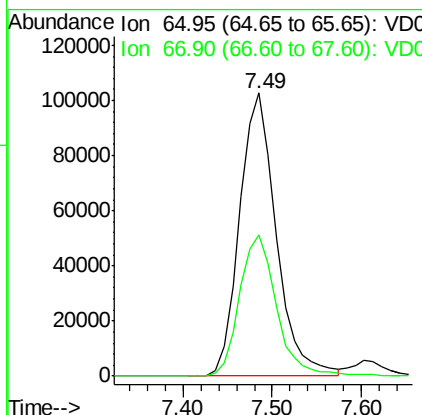
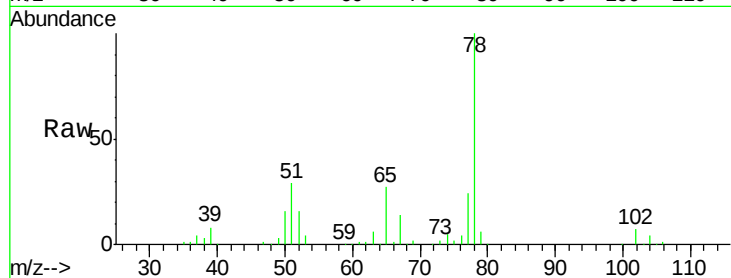




#33
 1,2-Dichloroethane-d4
 Concen: 47.812 ug/l
 RT: 7.49 min Scan# 616
 Delta R.T. 0.05 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

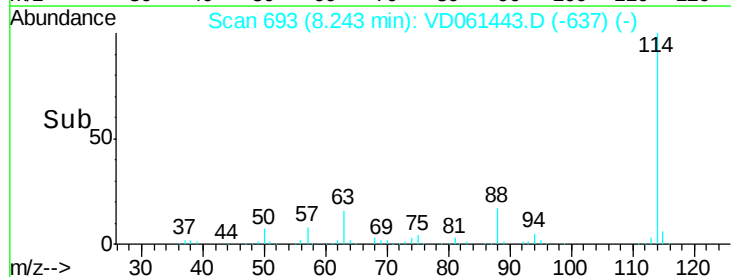
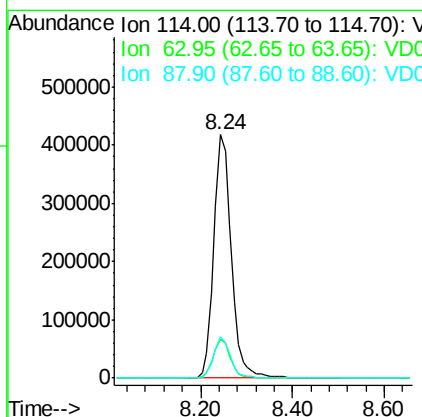
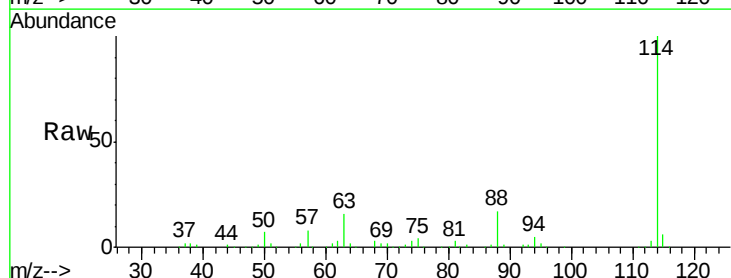
Instrument :
 MSVOA_D
 ClientSampled :

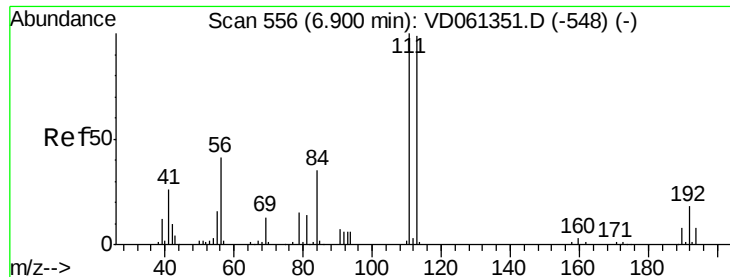
Tot Ion: 65 Resp: 292224
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.24 min Scan# 693
 Delta R.T. 0.05 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Tgt Ion: 114 Resp: 1092485
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.6
 88 16.8 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

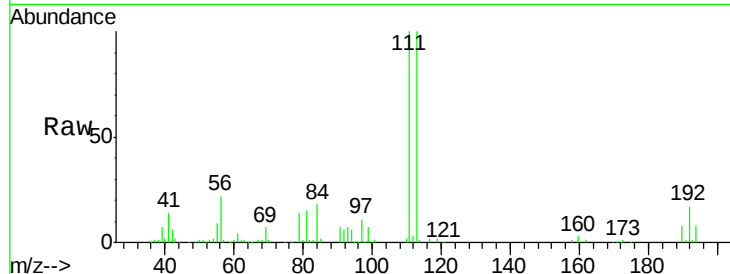
Delta R.T. 0.05 min

Lab File: VD061443.D

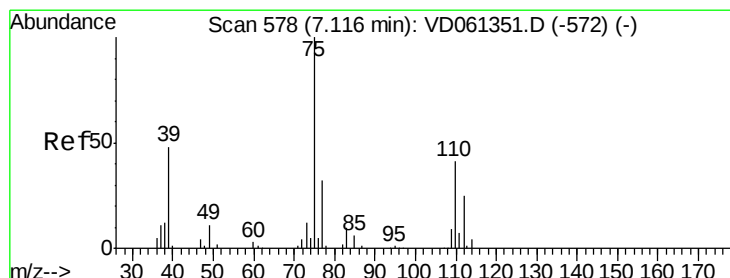
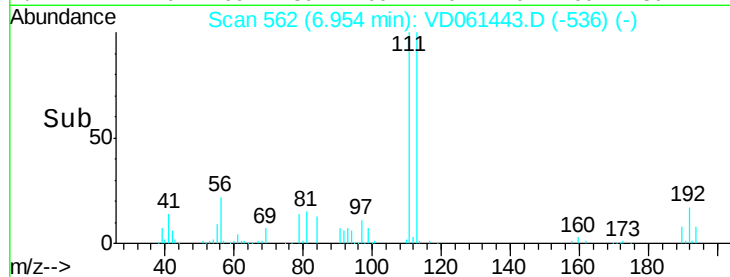
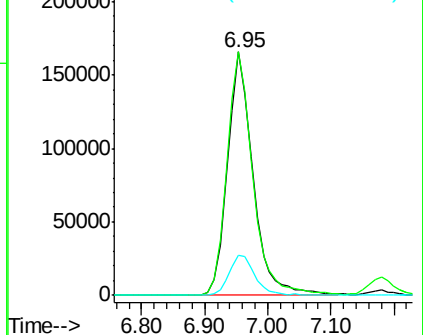
Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:113	Resp:	461246
Ion	Ratio	Lower Upper
113	100	
111	99.9	81.0 121.6
192	16.7	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: 47.553 ug/l

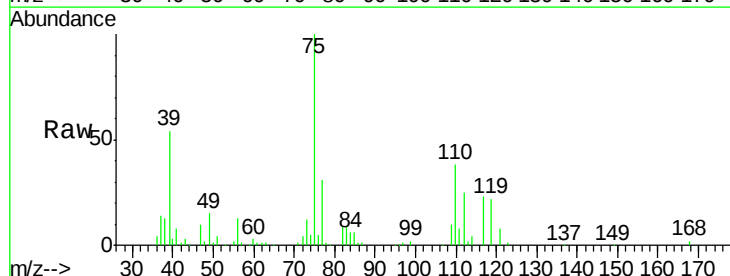
RT: 7.18 min Scan# 585

Delta R.T. 0.06 min

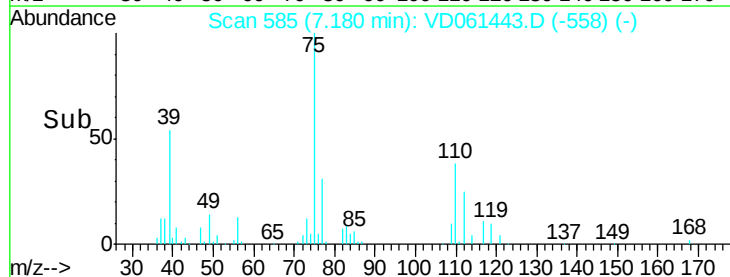
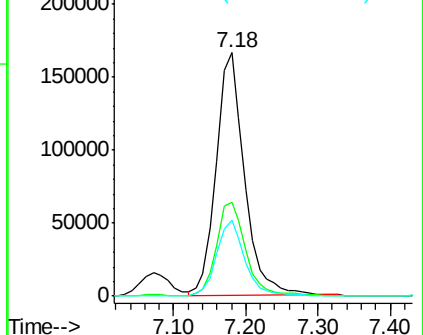
Lab File: VD061443.D

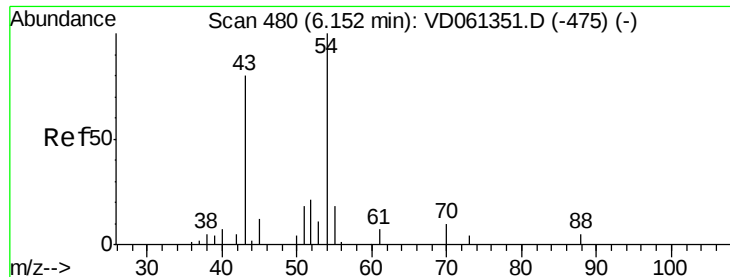
Acq: 31 Mar 2019 13:11

Tgt Ion: 75	Resp:	453417
Ion	Ratio	Lower Upper
75	100	
110	38.4	20.4 61.3
77	31.0	24.9 37.3



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

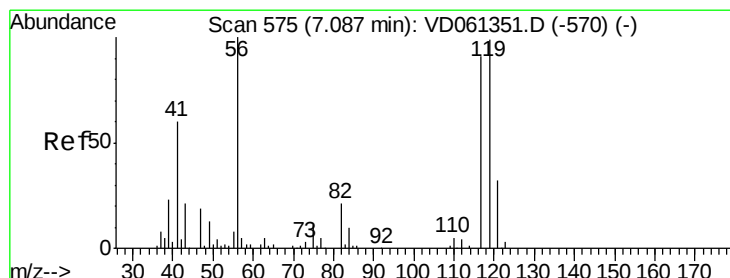
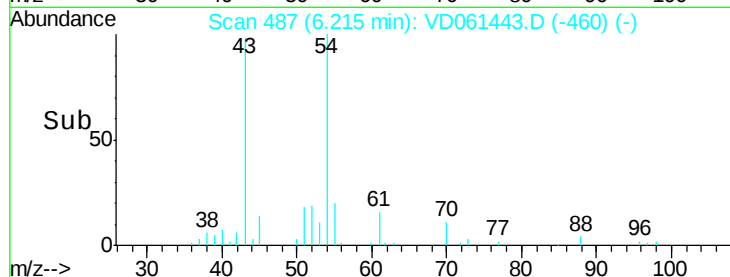
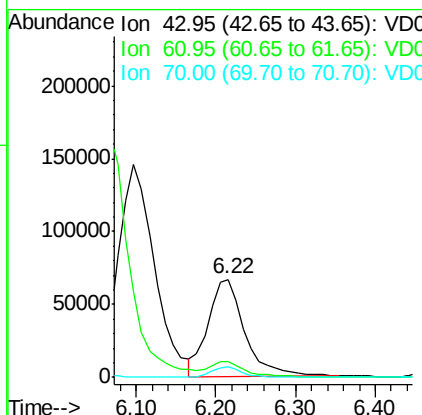
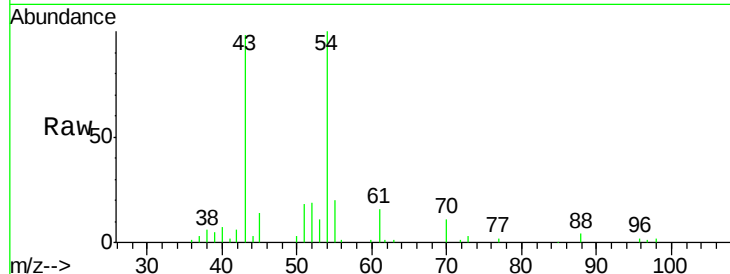




#37
Ethyl Acetate
Concen: 51.840 ug/l
RT: 6.22 min Scan# 487
Delta R.T. 0.06 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

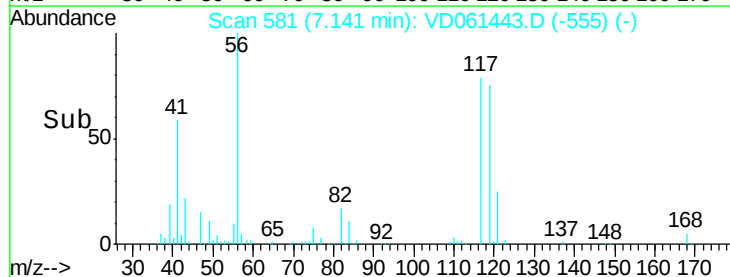
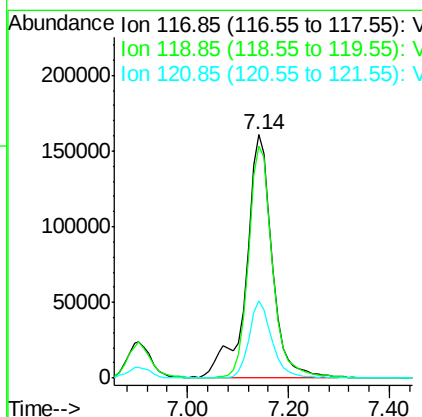
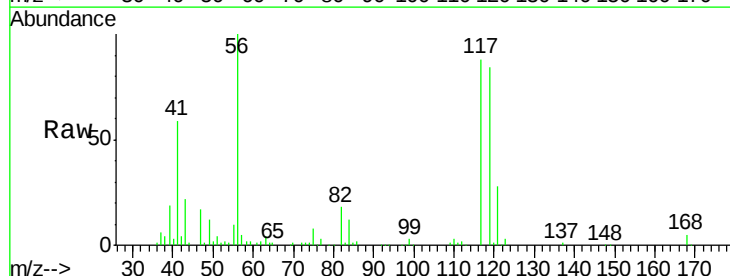
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 211398
Ion Ratio Lower Upper
43 100
61 16.3 13.8 20.8
70 11.1 7.8 11.8



#38
Carbon Tetrachloride
Concen: 52.340 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.05 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 117 Resp: 573464
Ion Ratio Lower Upper
117 100
119 95.2 80.1 120.1
121 31.5 25.6 38.4





#39

Methvlcvclohexane

Concen: 45.823 ug/l

RT: 8.89 min Scan# 759

Delta R.T. 0.05 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

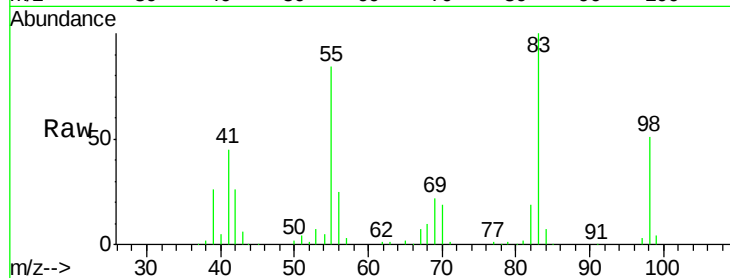
Tot Ion: 83 Resp: 455046

Ion Ratio Lower Upper

83 100

55 84.1 71.5 107.3

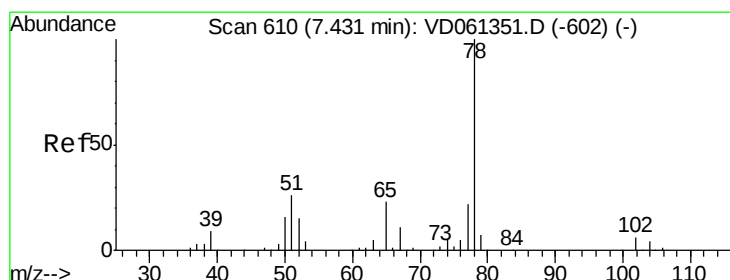
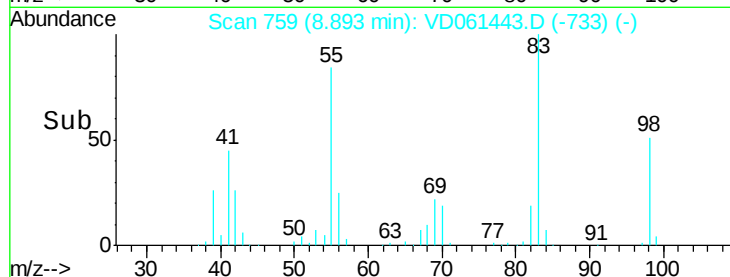
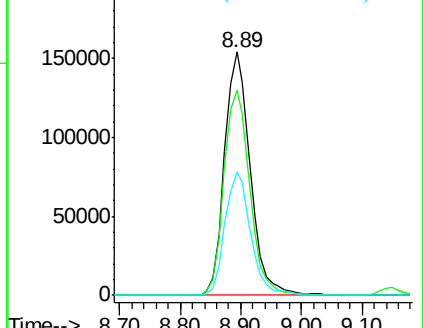
98 50.8 40.3 60.5



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: 46.194 ug/l

RT: 7.49 min Scan# 616

Delta R.T. 0.05 min

Lab File: VD061443.D

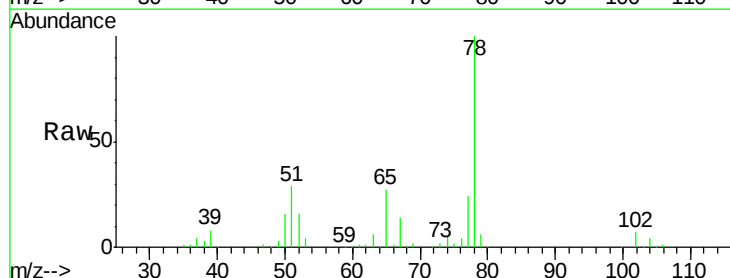
Acq: 31 Mar 2019 13:11

Tgt Ion: 78 Resp: 1105435

Ion Ratio Lower Upper

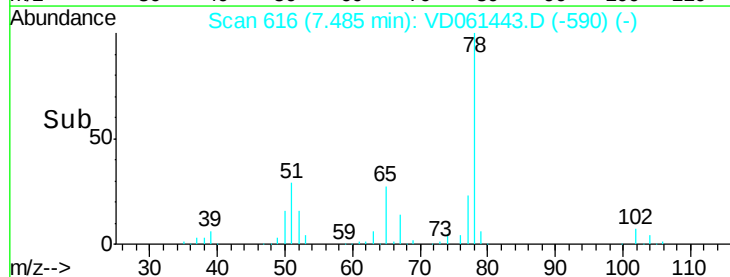
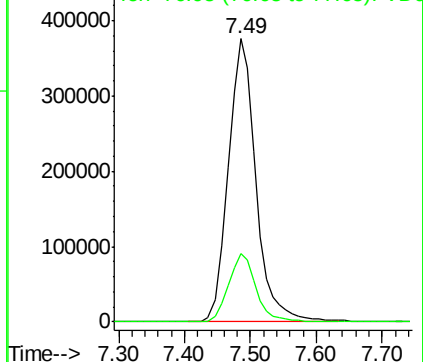
78 100

77 24.3 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

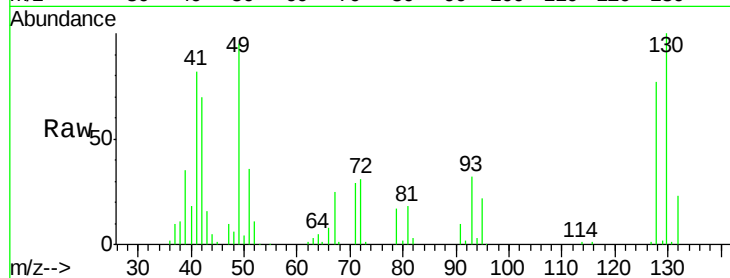




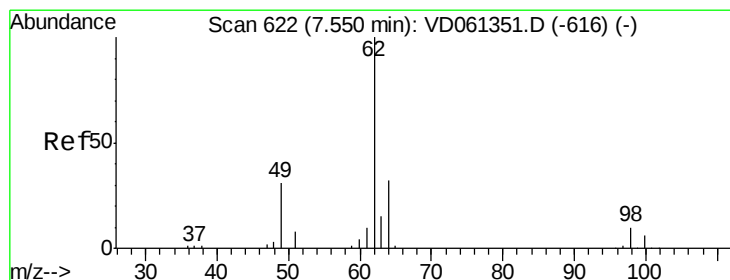
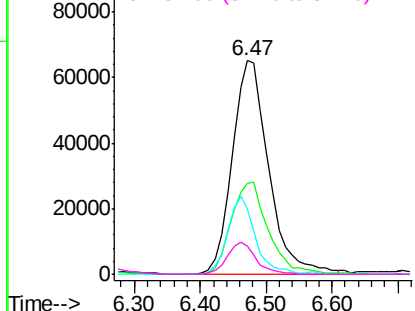
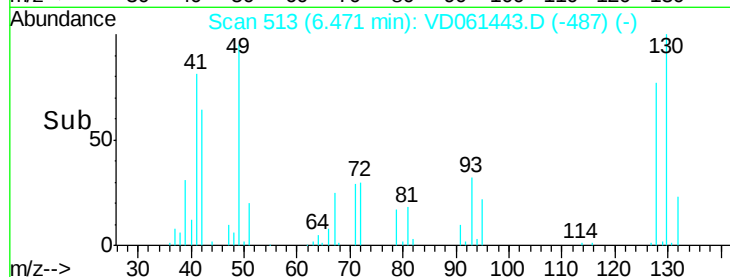
#41
Methacrylonitrile
Concen: 52.868 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 252074
Ion Ratio Lower Upper
41 100
39 42.3 35.0 52.6
67 30.7 21.0 31.6
52 13.1 7.7 11.5#

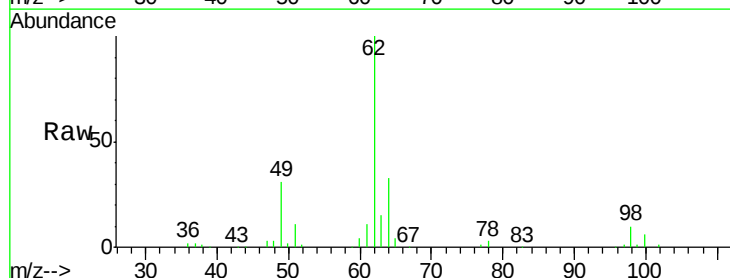


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

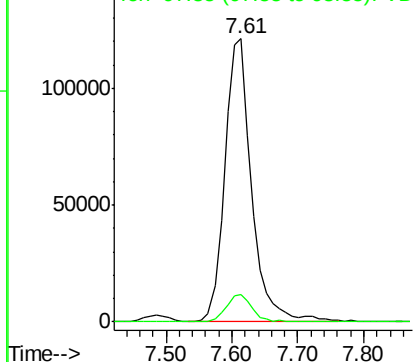
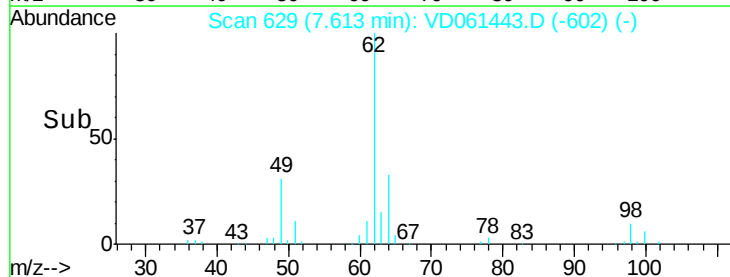


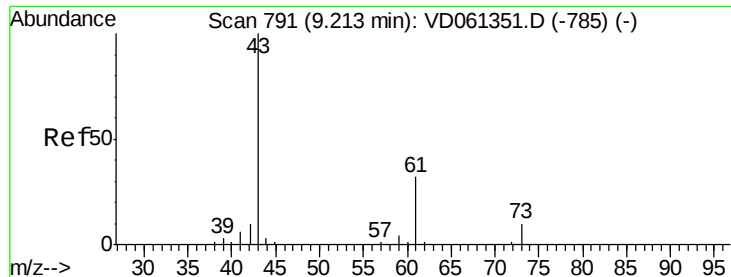
#42
1,2-Dichloroethane
Concen: 48.080 ug/l
RT: 7.61 min Scan# 629
Delta R.T. 0.06 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 62 Resp: 344162
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



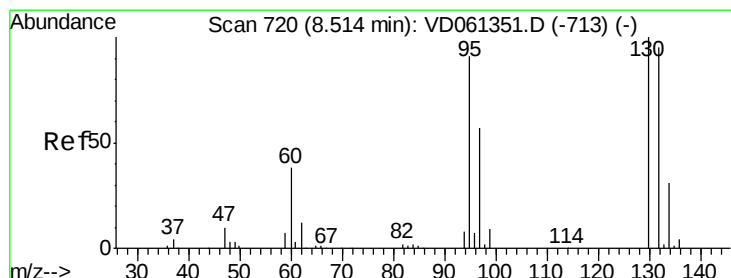
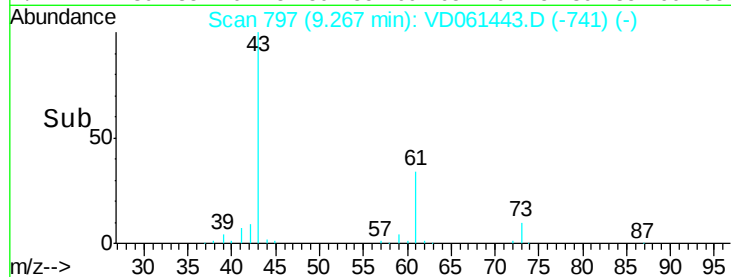
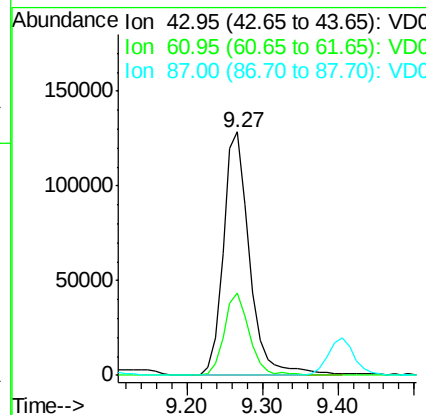
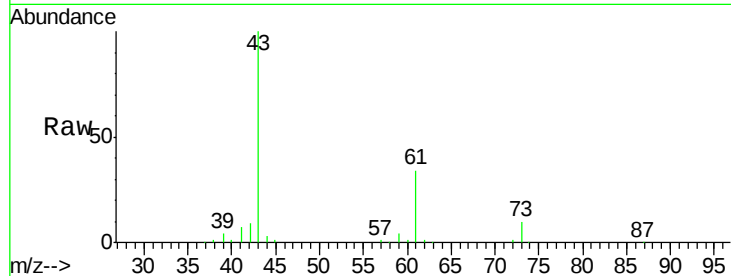


#43

Isopropyl Acetate
 Concen: 52.211 ug/l
 RT: 9.27 min Scan# 797
 Delta R.T. 0.05 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleID :

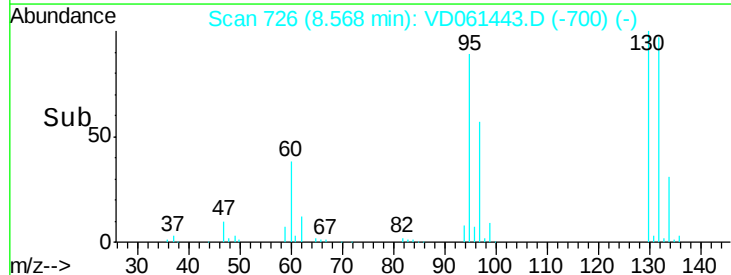
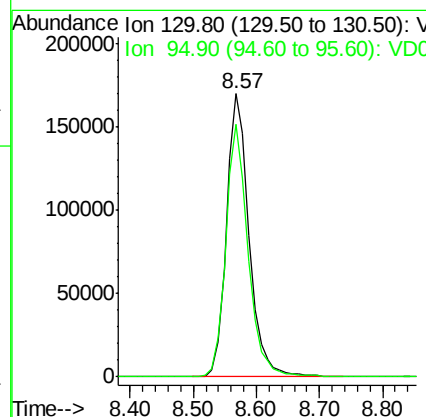
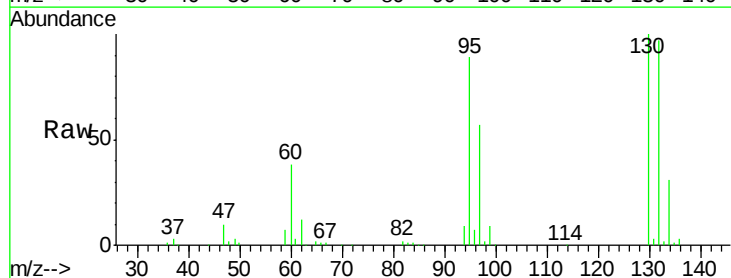
Tot Ion: 43 Resp: 309781
 Ion Ratio Lower Upper
 43 100
 61 34.0 25.8 38.6
 87 0.3 0.0 0.0#

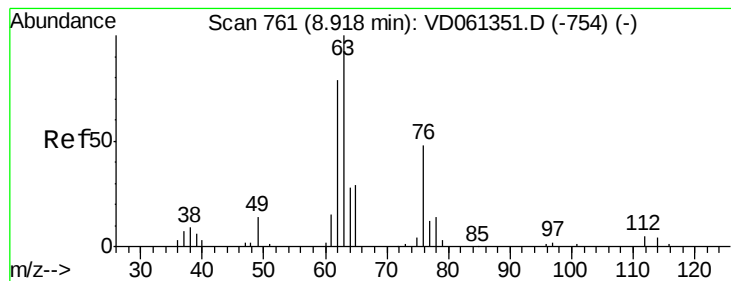


#44

Trichloroethene
 Concen: 47.322 ug/l
 RT: 8.57 min Scan# 726
 Delta R.T. 0.05 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Tgt Ion: 130 Resp: 421428
 Ion Ratio Lower Upper
 130 100
 95 89.1 0.0 181.4





#45

1,2-Dichloropropane

Concen: 47.084 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.04 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

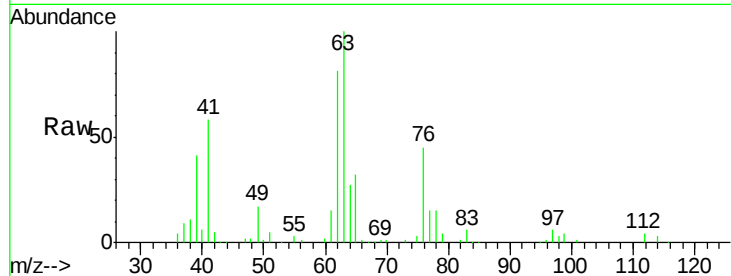
ClientSampled :

Tot Ion: 63 Resp: 285702

Ion Ratio Lower Upper

63 100

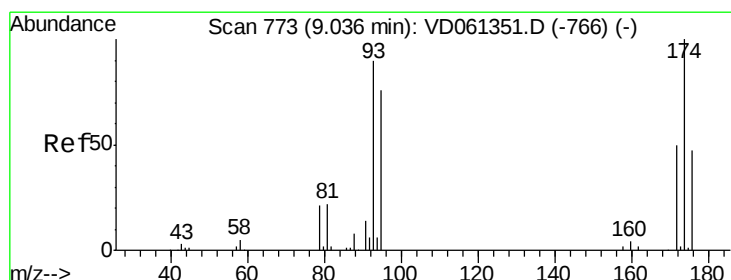
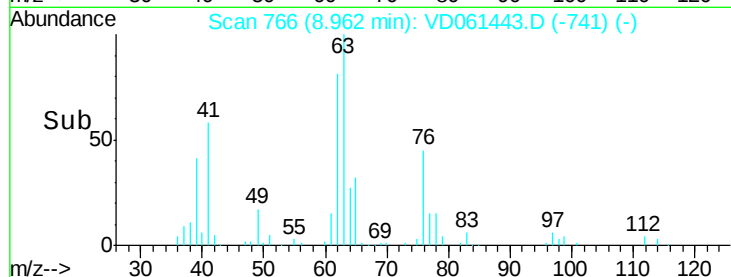
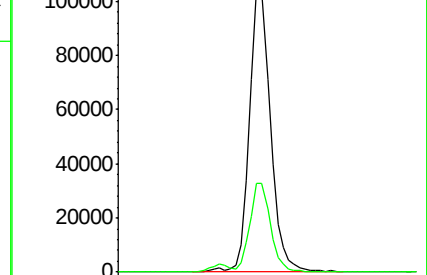
65 31.6 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.96



#46

Dibromomethane

Concen: 49.087 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.05 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

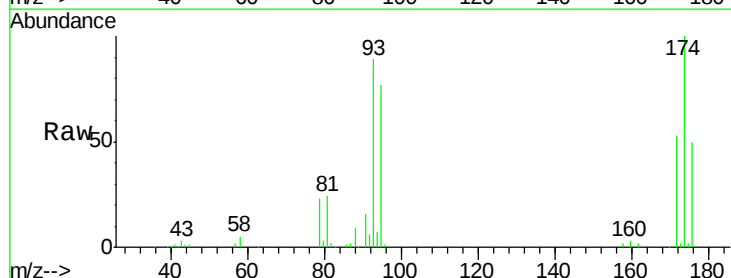
Tgt Ion: 93 Resp: 200481

Ion Ratio Lower Upper

93 100

95 86.5 67.4 101.0

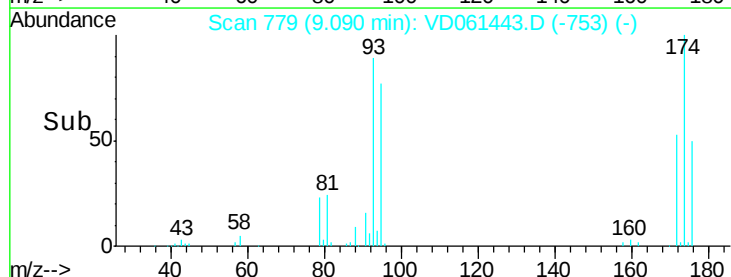
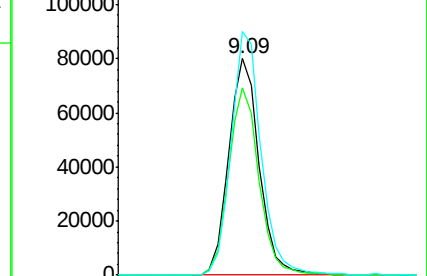
174 112.6 88.9 133.3

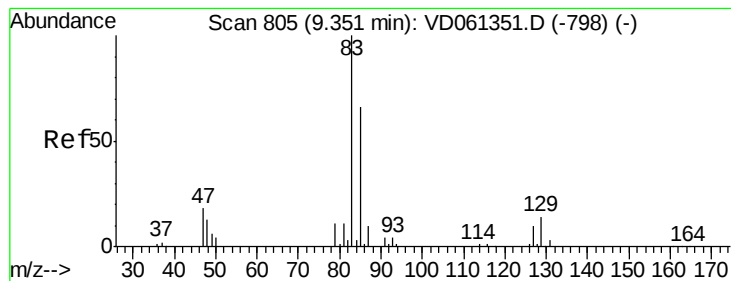


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 49.786 ug/l

RT: 9.40 min Scan# 811

Delta R.T. 0.05 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampled :

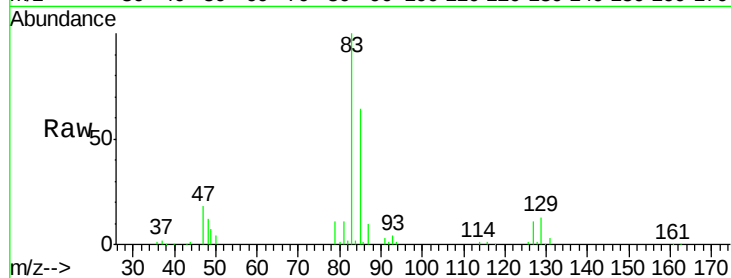
Tot Ion: 83 Resp: 456380

Ion Ratio Lower Upper

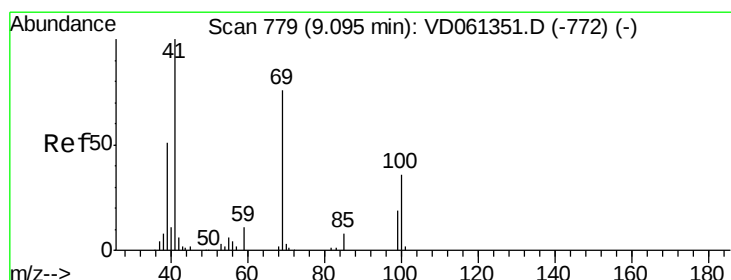
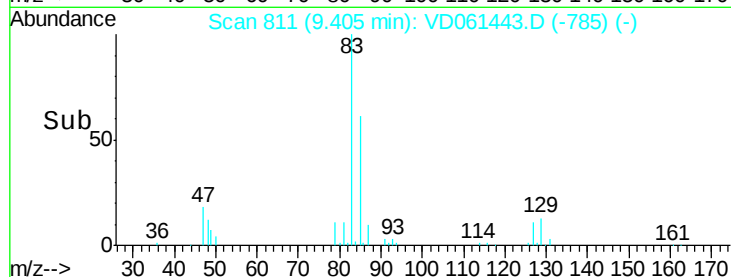
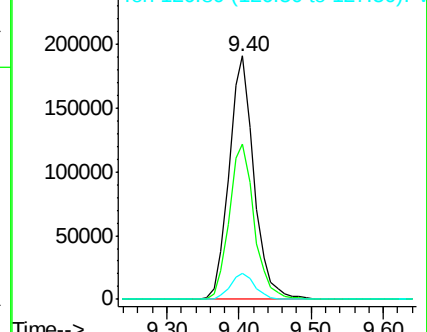
83 100

85 63.7 53.0 79.4

127 10.7 8.4 12.6



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



#48

Methyl methacrylate

Concen: 50.729 ug/l

RT: 9.15 min Scan# 785

Delta R.T. 0.05 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

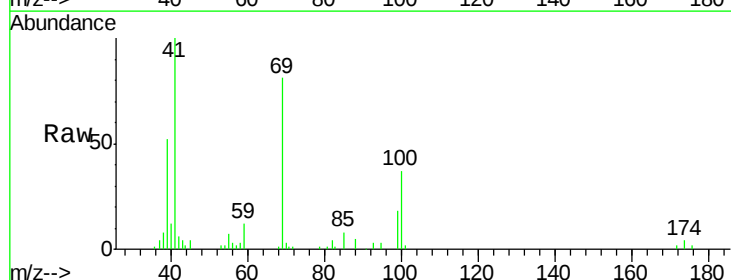
Tgt Ion: 41 Resp: 166111

Ion Ratio Lower Upper

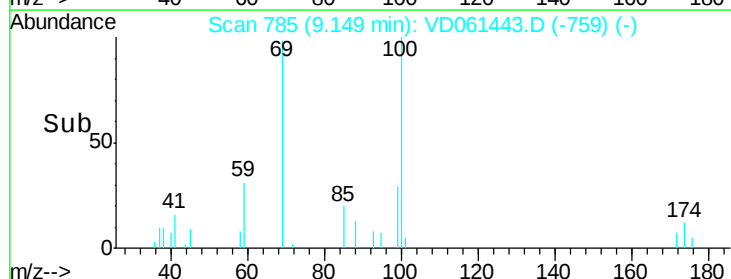
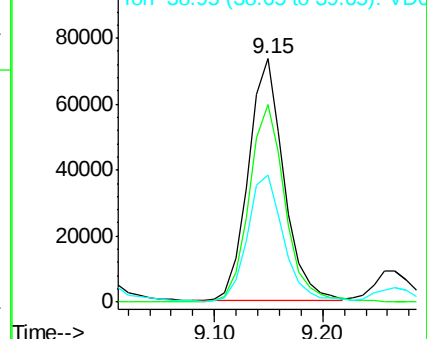
41 100

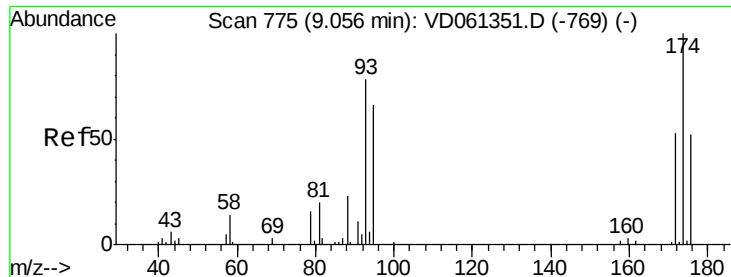
69 81.0 60.2 90.4

39 52.4 41.4 62.2



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





#49

1,4-Dioxane

Concen: 1078.741 ug/l

RT: 9.10 min Scan# 780

Delta R.T. 0.04 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

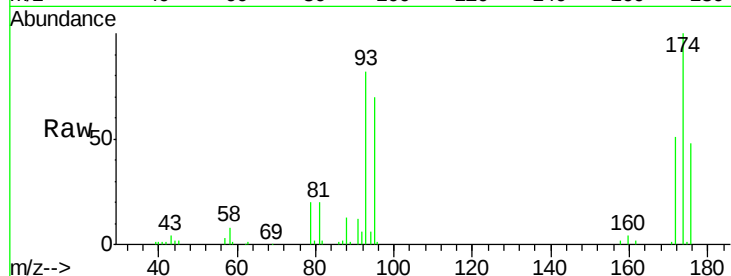
Tot Ion: 88 Resp: 38961

Ion Ratio Lower Upper

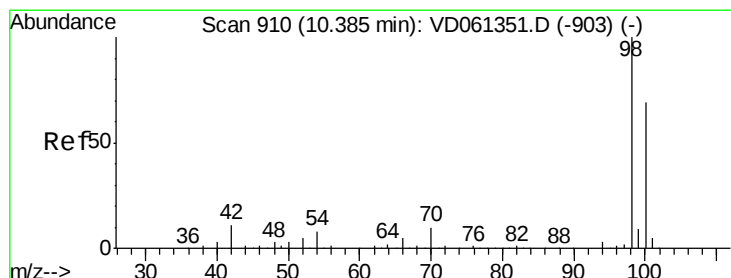
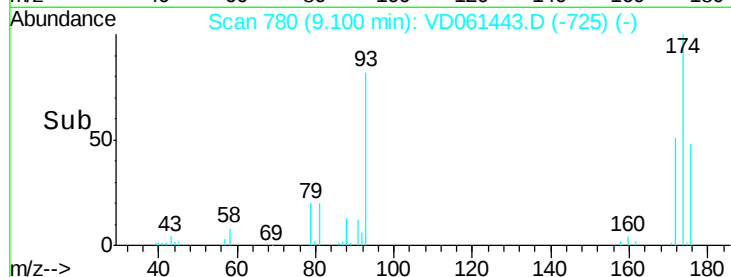
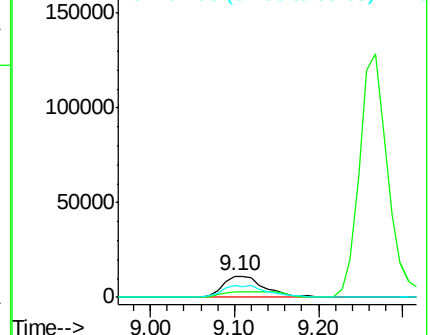
88 100

43 27.4 23.3 34.9

58 58.7 50.8 76.2



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



#50

Toluene-d8

Concen: 1078.741 ug/l

RT: 10.44 min Scan# 916

Delta R.T. 0.05 min

Lab File: VD061443.D

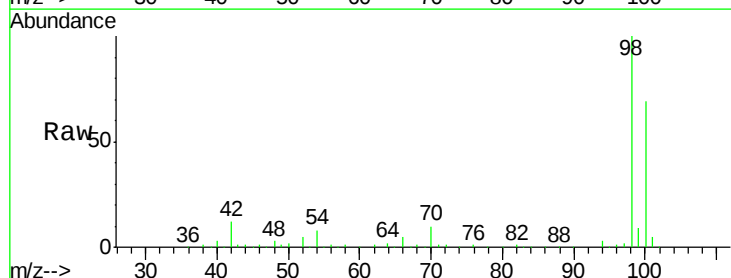
Acq: 31 Mar 2019 13:11

Tgt Ion: 98 Resp: 1138768

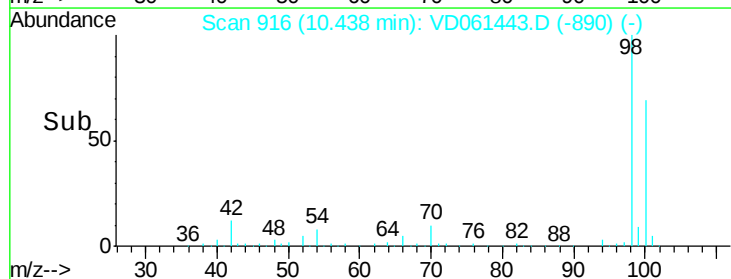
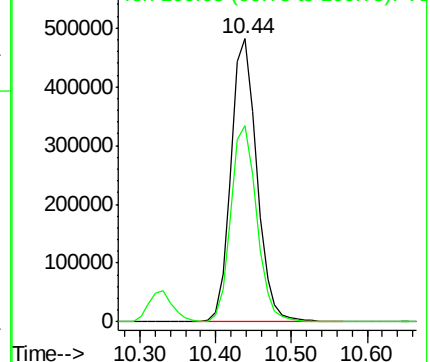
Ion Ratio Lower Upper

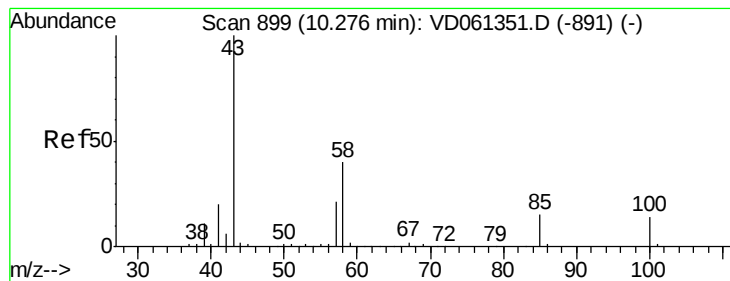
98 100

100 69.1 56.2 84.2



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





#51

4-Methyl-2-Pentanone

Concen: 249.340 ug/l

RT: 10.33 min Scan# 905

Delta R.T. 0.05 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

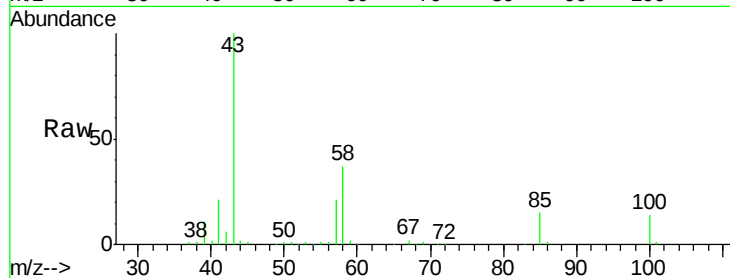
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 900047

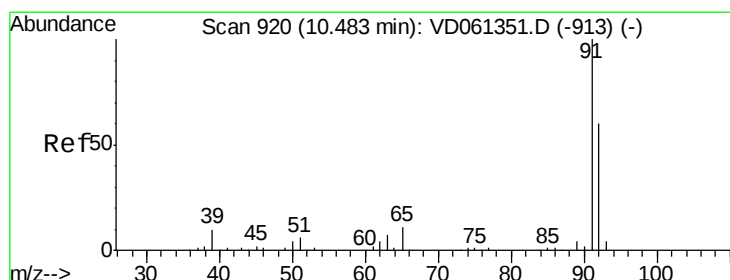
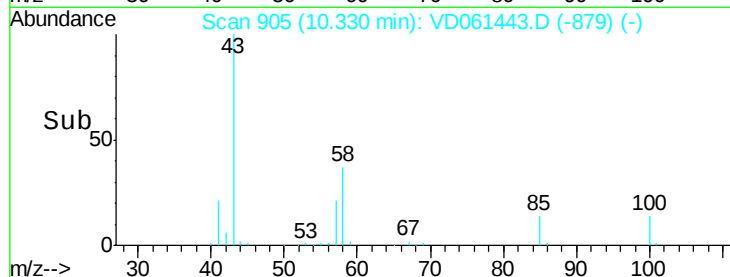
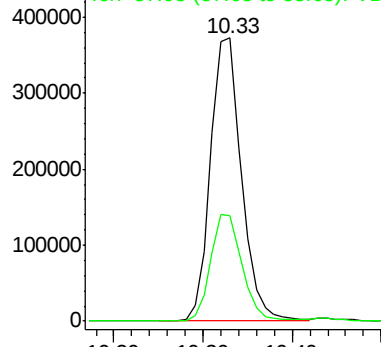
Ion Ratio Lower Upper

43 100

58 37.5 31.8 47.8



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



#52

Toluene

Concen: 47.078 ug/l

RT: 10.54 min Scan# 926

Delta R.T. 0.05 min

Lab File: VD061443.D

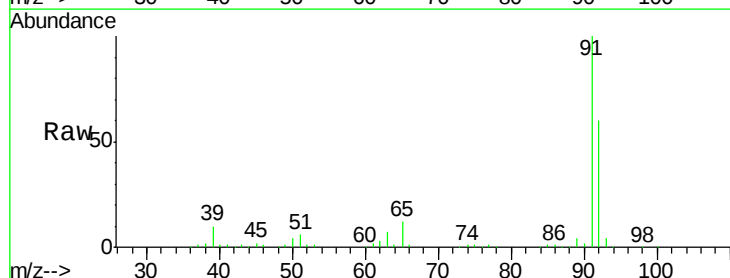
Acq: 31 Mar 2019 13:11

Tgt Ion: 92 Resp: 687299

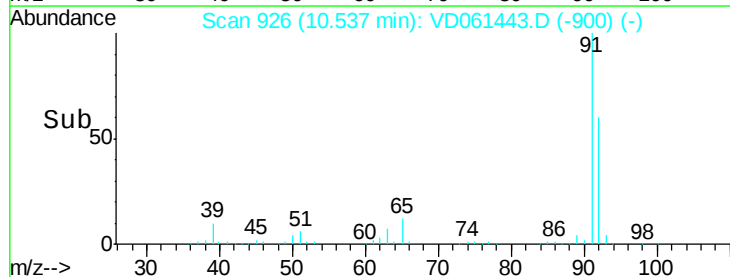
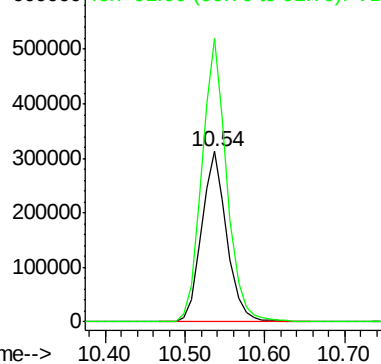
Ion Ratio Lower Upper

92 100

91 166.3 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC

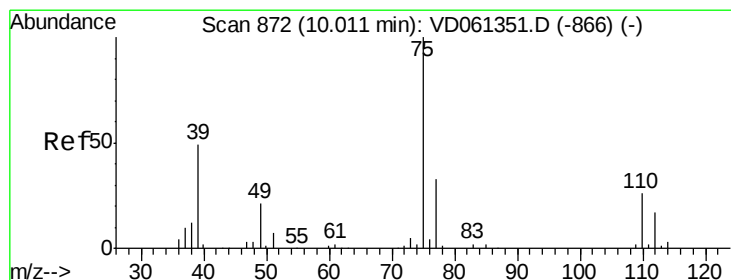
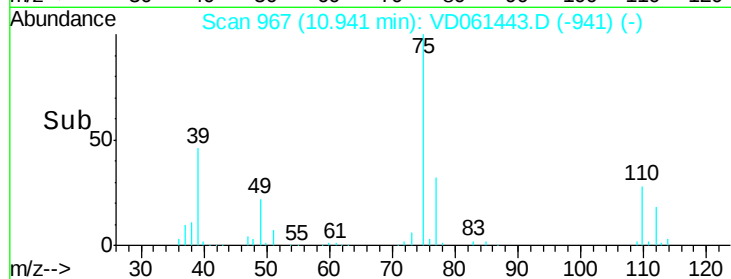
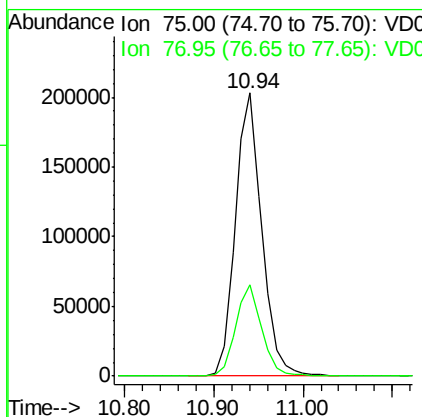
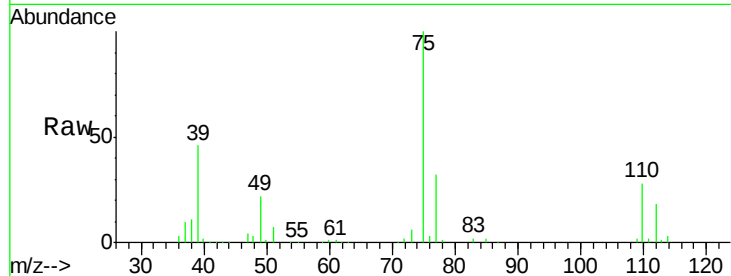




#53
 t-1,3-Dichloropropene
 Concen: 50.324 ug/l
 RT: 10.94 min Scan# 967
 Delta R.T. 0.05 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

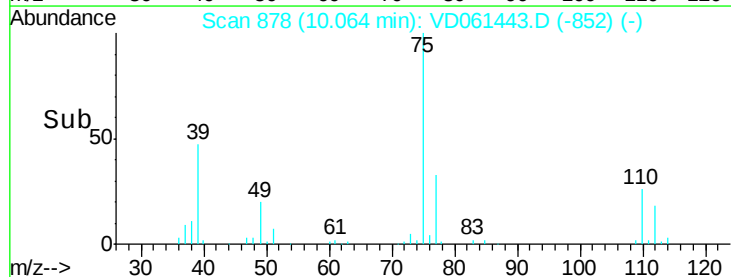
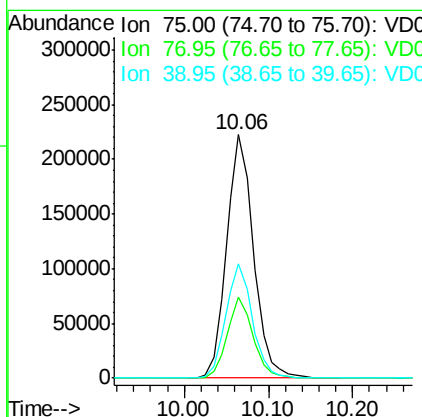
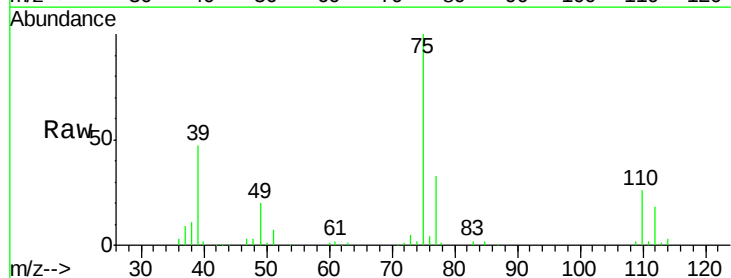
Instrument :
 MSVOA_D
 ClientSampleId :

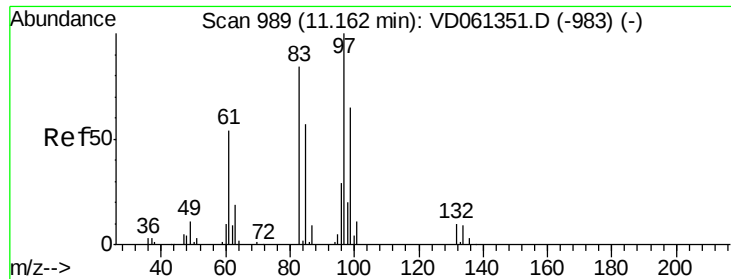
Tot Ion: 75 Resp: 419120
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 48.570 ug/l
 RT: 10.06 min Scan# 878
 Delta R.T. 0.05 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Tgt Ion: 75 Resp: 492566
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.2 39.4
 39 47.0 39.4 59.0

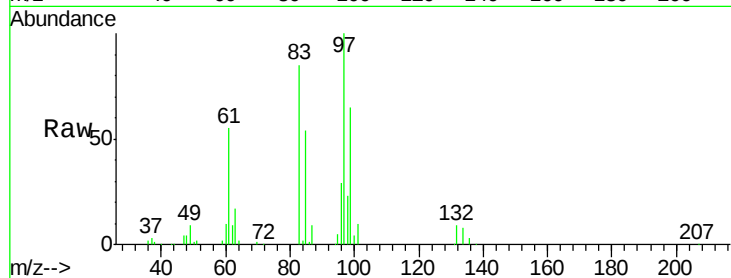




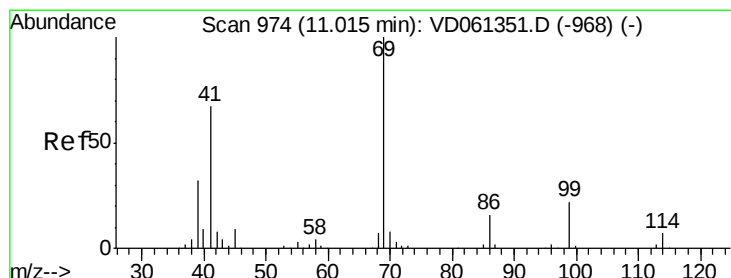
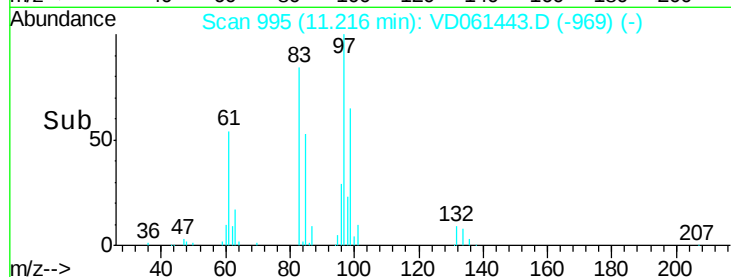
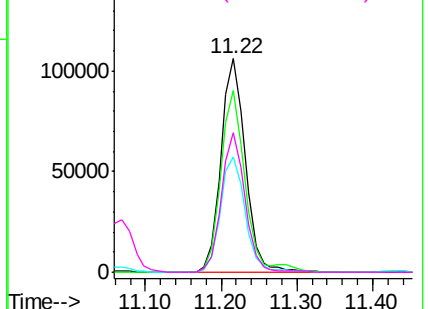
#55
 1,1,2-Trichloroethane
 Concen: 46.478 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.05 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	237297
Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.0	100.6
85	53.8	45.4	68.2
99	65.3	51.9	77.9

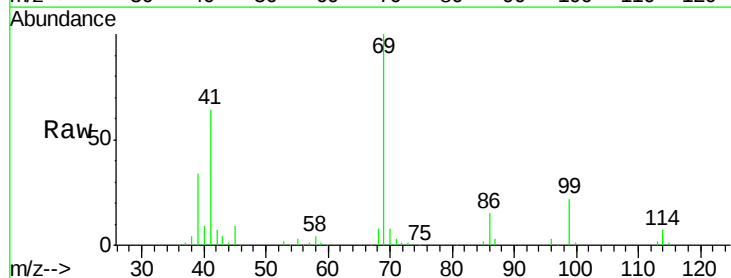


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

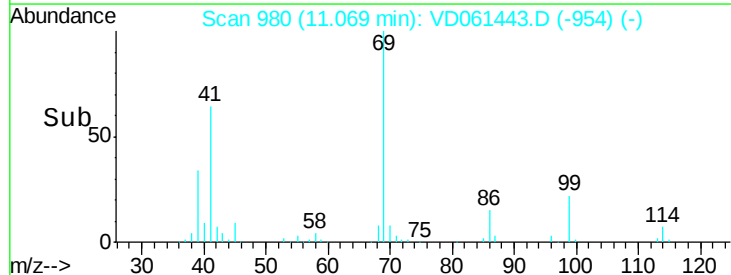
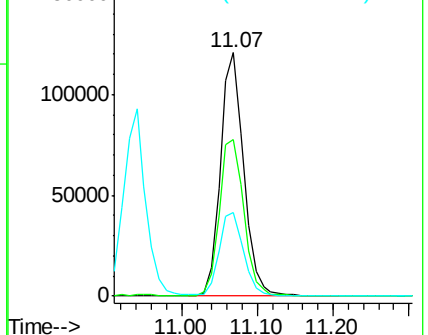


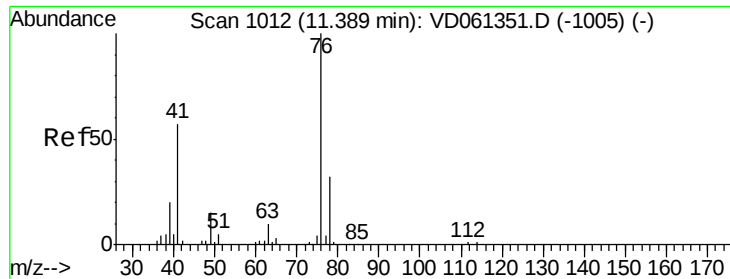
#56
 Ethyl methacrylate
 Concen: 47.082 ug/l
 RT: 11.07 min Scan# 980
 Delta R.T. 0.05 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Tgt Ion:	69	Resp:	258237
Ion	Ratio	Lower	Upper
69	100		
41	64.1	53.8	80.6
39	34.4	26.4	39.6



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

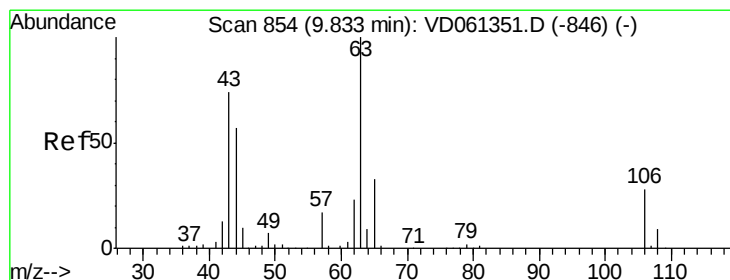
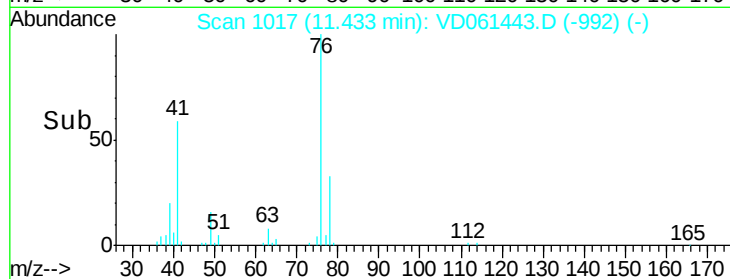
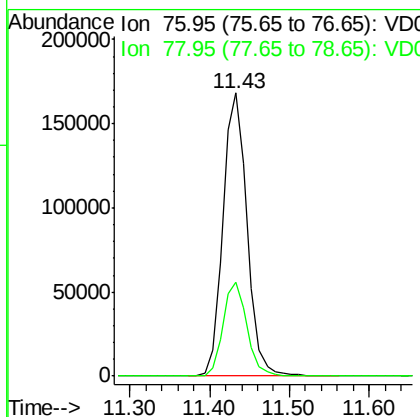
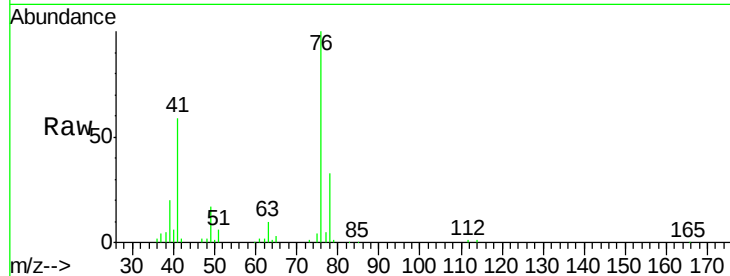




#57
 1,3-Dichloropropane
 Concen: 47.746 ug/l
 RT: 11.43 min Scan# 1017
 Delta R.T. 0.04 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

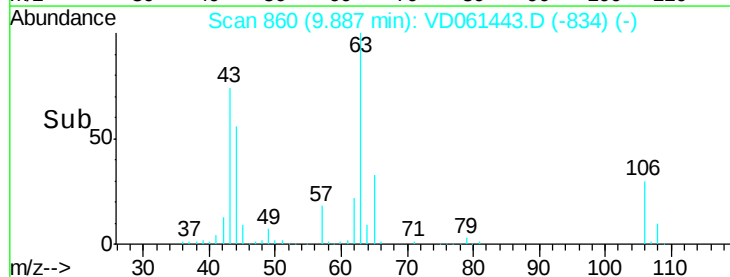
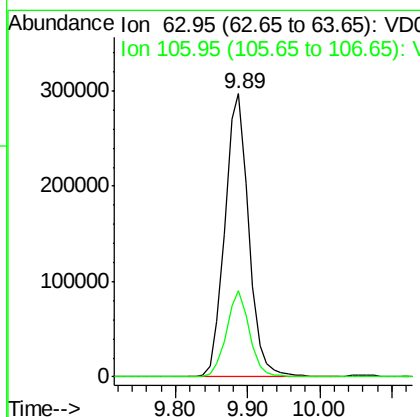
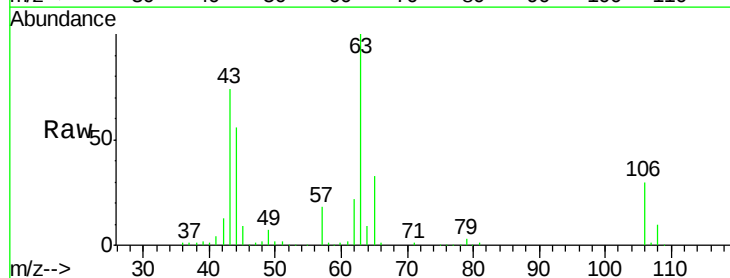
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 358306
 Ion Ratio Lower Upper
 76 100
 78 33.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 255.489 ug/l
 RT: 9.89 min Scan# 860
 Delta R.T. 0.05 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Tgt Ion: 63 Resp: 682431
 Ion Ratio Lower Upper
 63 100
 106 30.5 22.4 33.6

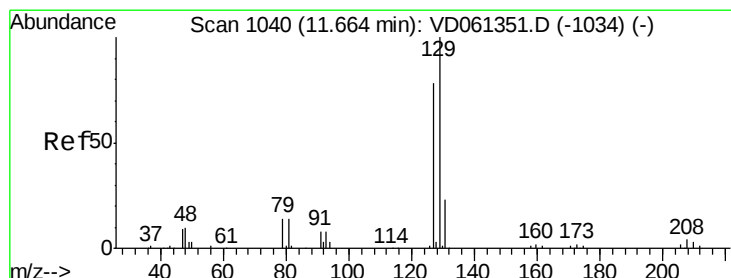
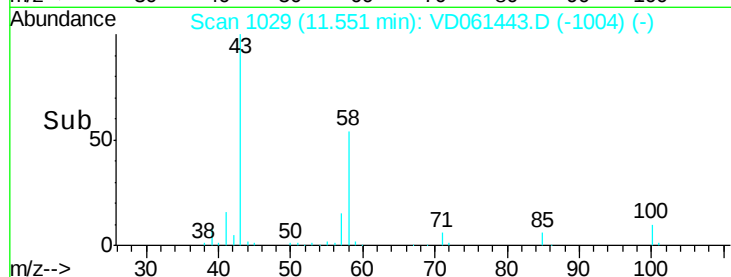
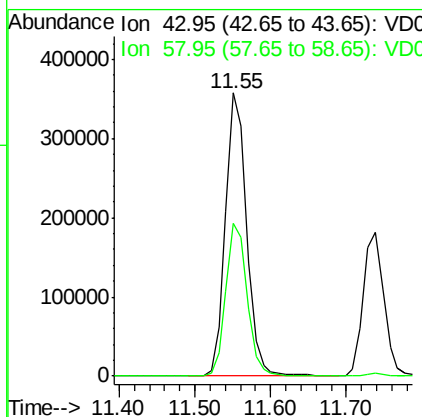
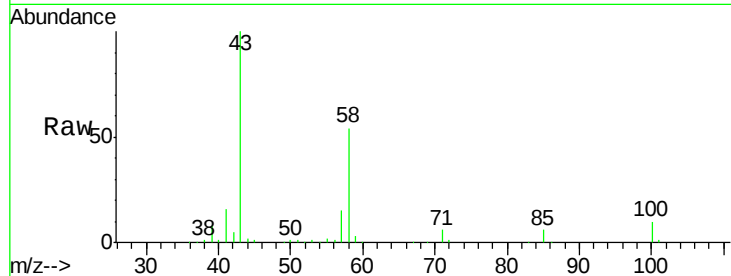




#59
2-Hexanone
Concen: 265.112 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.04 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

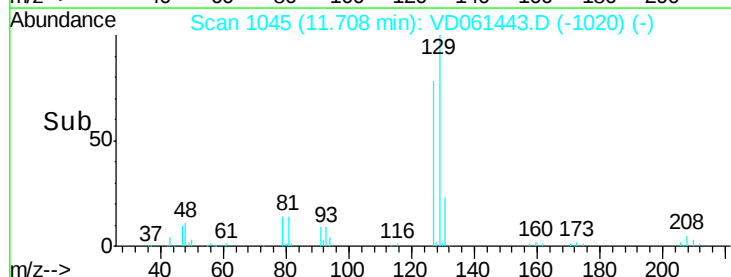
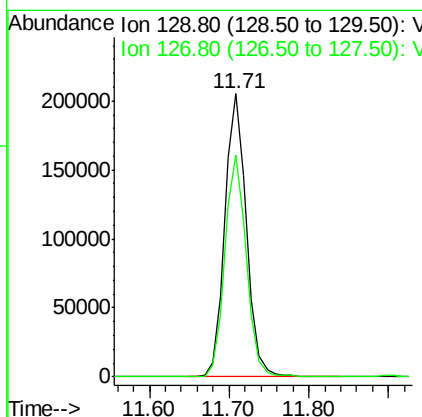
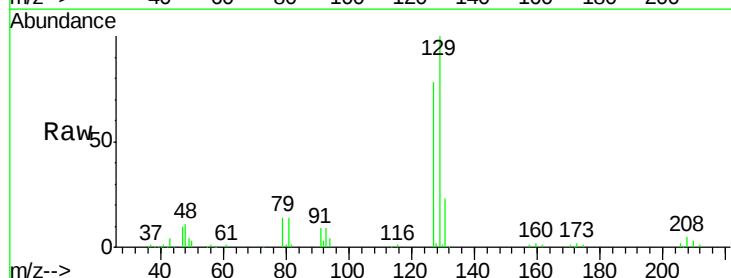
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 693360
Ion Ratio Lower Upper
43 100
58 54.2 26.3 78.9



#60
Dibromochloromethane
Concen: 49.820 ug/l
RT: 11.71 min Scan# 1045
Delta R.T. 0.04 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 129 Resp: 392132
Ion Ratio Lower Upper
129 100
127 78.4 39.0 116.9

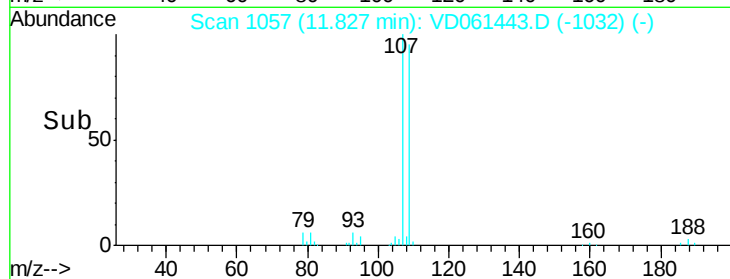
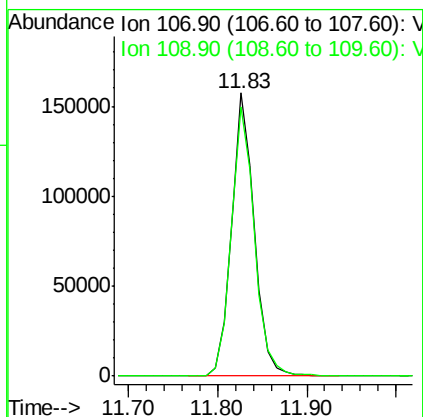
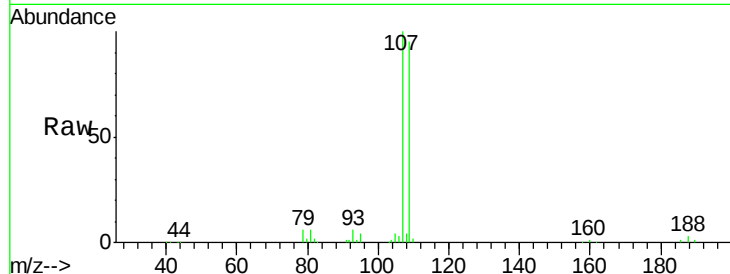




#61
 1,2-Dibromoethane
 Concen: 47.556 ug/l
 RT: 11.83 min Scan# 1057
 Delta R.T. 0.04 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

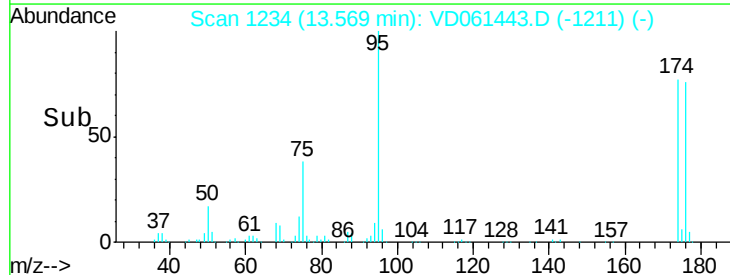
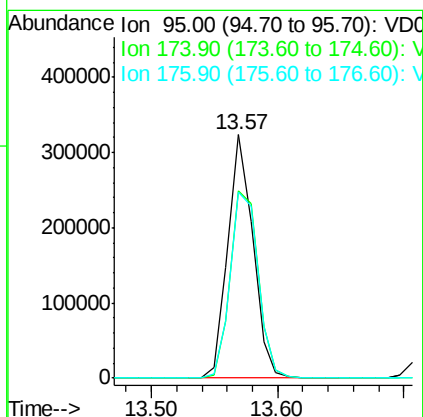
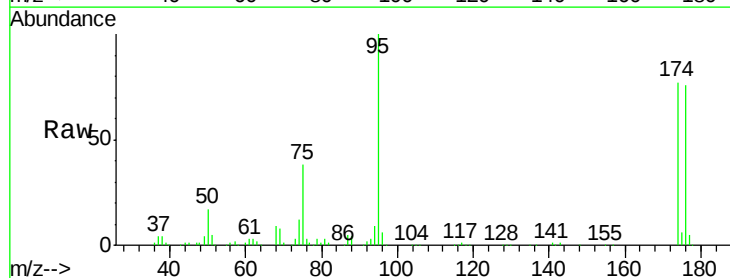
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 107 Resp: 281156
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 47.556 ug/l
 RT: 13.57 min Scan# 1234
 Delta R.T. 0.02 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Tgt Ion: 95 Resp: 444710
 Ion Ratio Lower Upper
 95 100
 174 76.8 0.0 178.0
 176 76.2 0.0 175.0

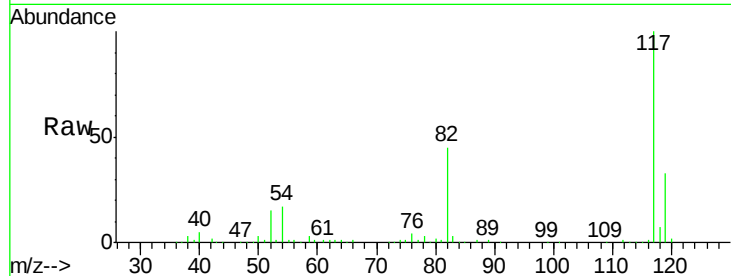




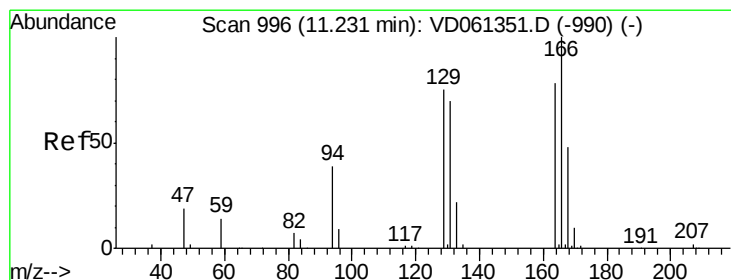
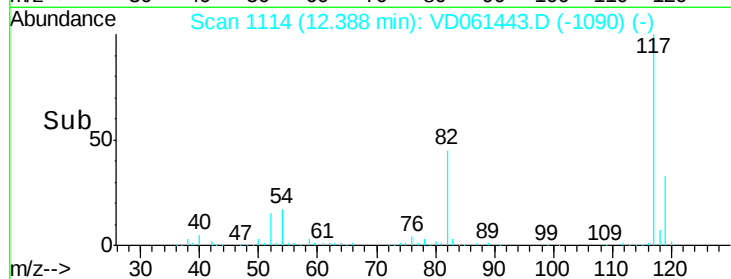
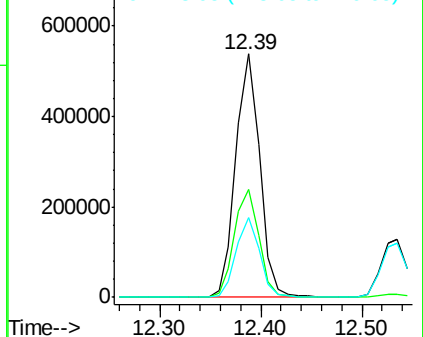
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.03 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 891842
Ion Ratio Lower Upper
117 100
82 44.5 34.4 51.6
119 32.5 25.8 38.6

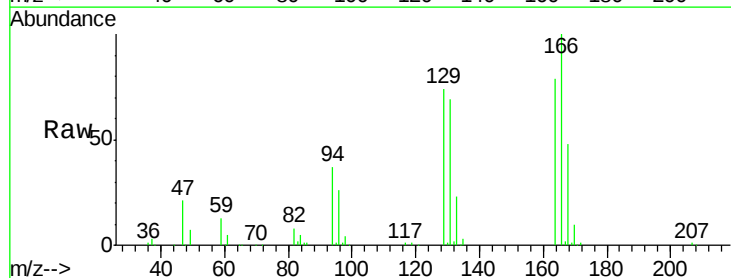


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

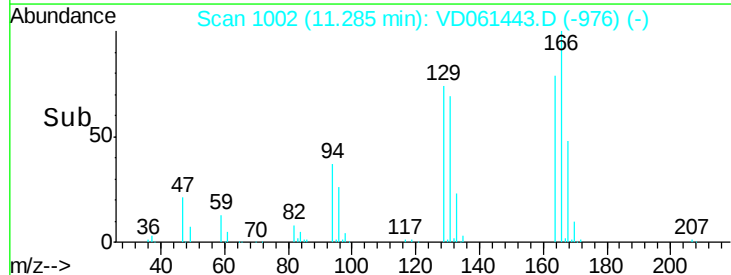
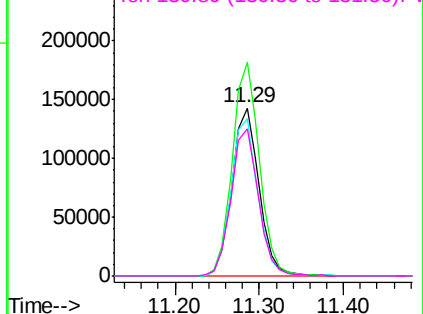


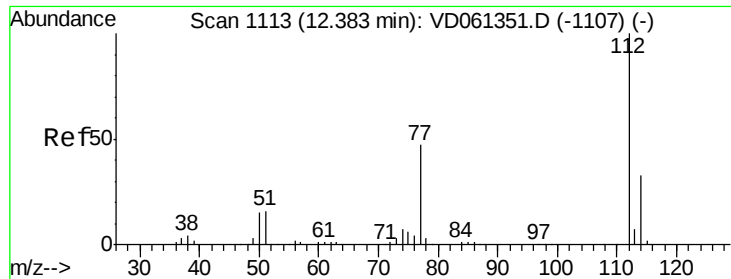
#64
Tetrachloroethene
Concen: 45.682 ug/l
RT: 11.29 min Scan# 1002
Delta R.T. 0.05 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion:164 Resp: 319745
Ion Ratio Lower Upper
164 100
166 126.9 102.4 153.6
129 93.5 76.8 115.2
131 87.4 71.8 107.6



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

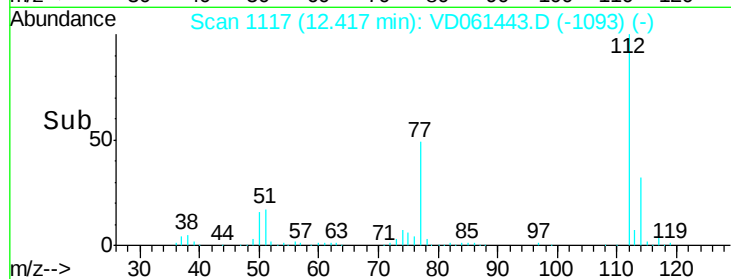
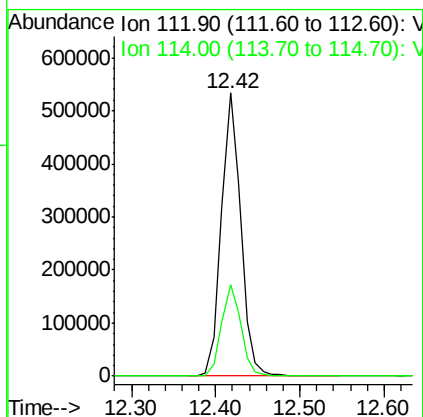
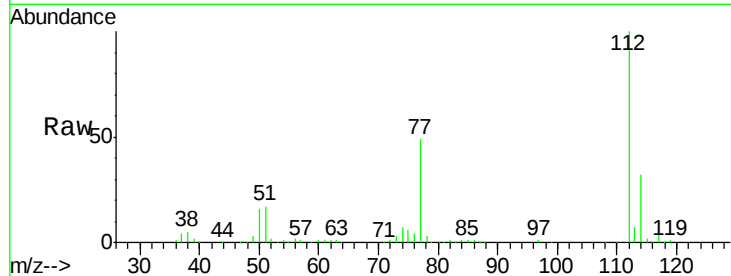




#65
Chlorobenzene
Concen: 46.854 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

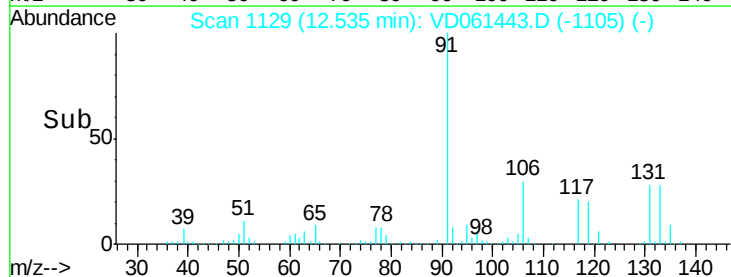
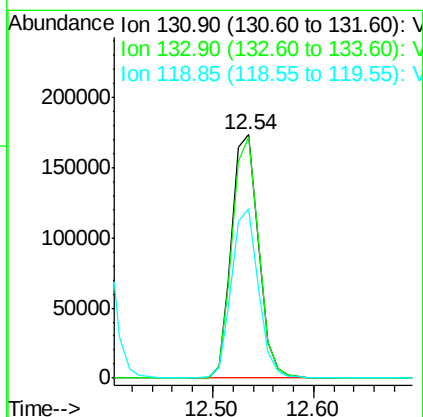
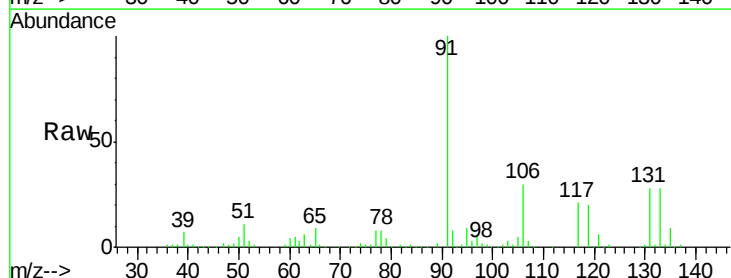
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:112 Resp: 853969
Ion Ratio Lower Upper
112 100
114 32.5 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 45.831 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.03 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion:131 Resp: 323429
Ion Ratio Lower Upper
131 100
133 99.2 49.4 148.2
119 69.8 34.1 102.2

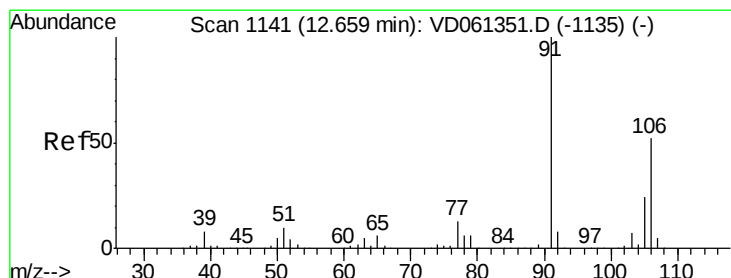
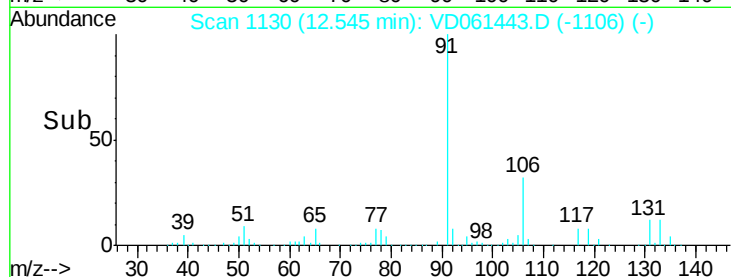
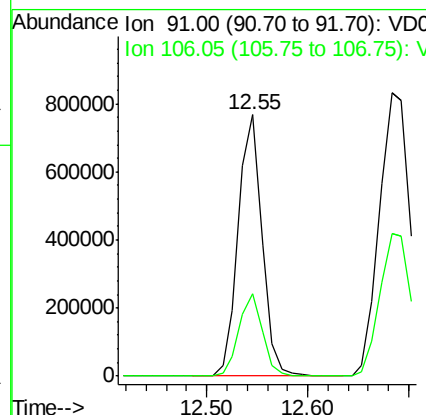
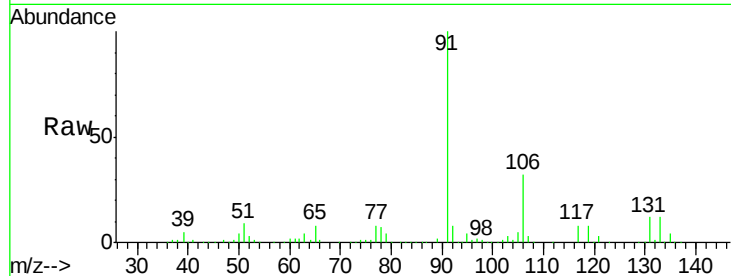




#67
Ethvl Benzene
Concen: 45.286 ug/l
RT: 12.55 min Scan# 1130
Delta R.T. 0.03 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

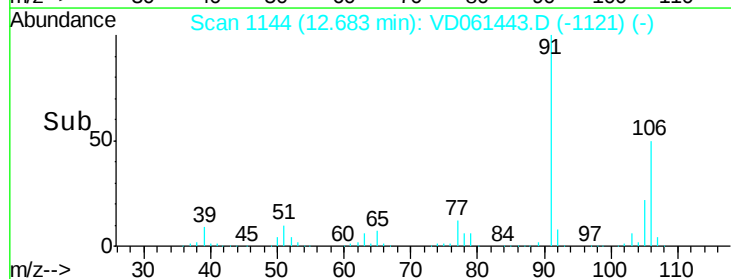
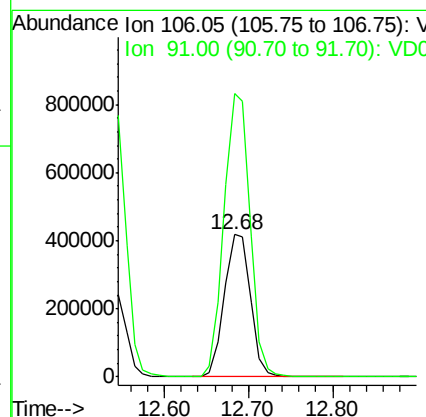
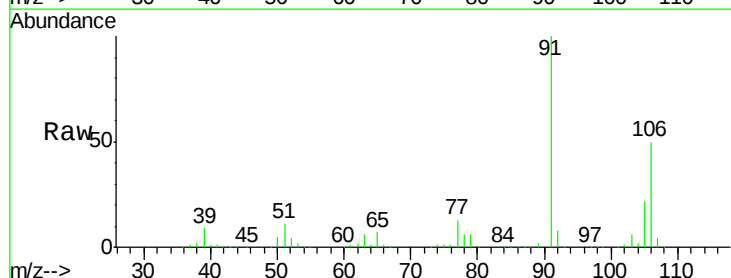
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 1259865
Ion Ratio Lower Upper
91 100
106 31.7 26.1 39.1



#68
m/p-Xylenes
Concen: 85.150 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion:106 Resp: 897341
Ion Ratio Lower Upper
106 100
91 199.3 153.1 229.7

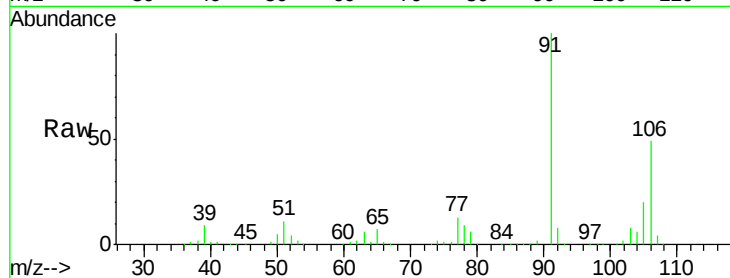




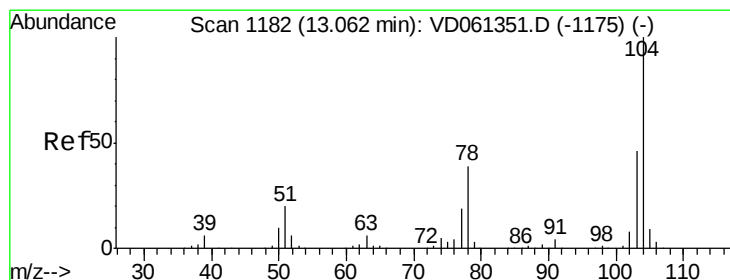
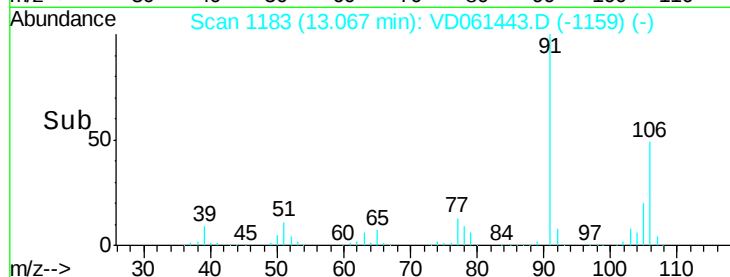
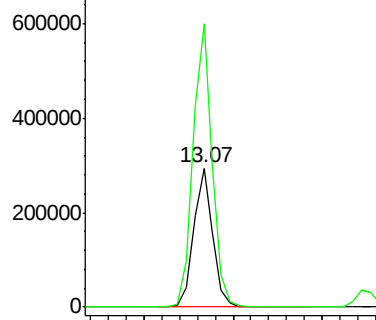
#69
o-Xylene
Concen: 43.118 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.03 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 440948
Ion Ratio Lower Upper
106 100
91 204.0 103.8 311.3

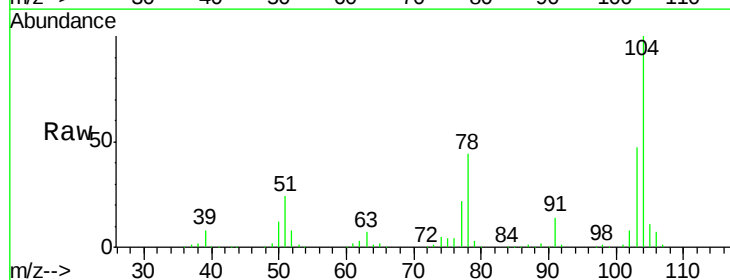


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

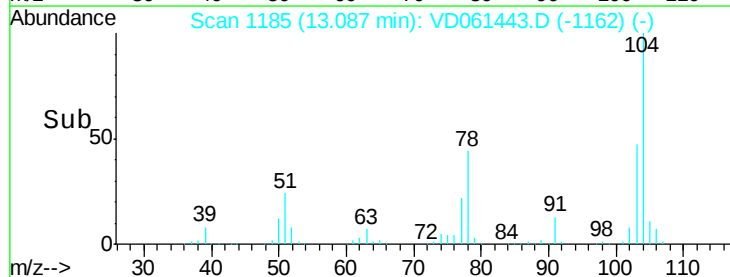
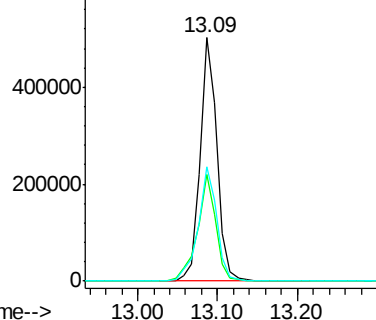


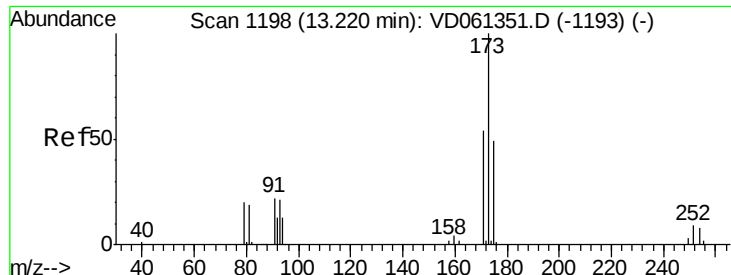
#70
Styrene
Concen: 42.050 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion:104 Resp: 749626
Ion Ratio Lower Upper
104 100
78 43.6 31.0 46.6
103 46.9 37.0 55.4



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





#71

Bromoform

Concen: 50.472 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

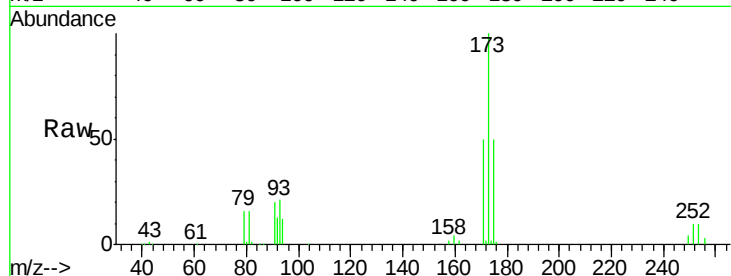
Tot Ion:173 Resp: 225785

Ion Ratio Lower Upper

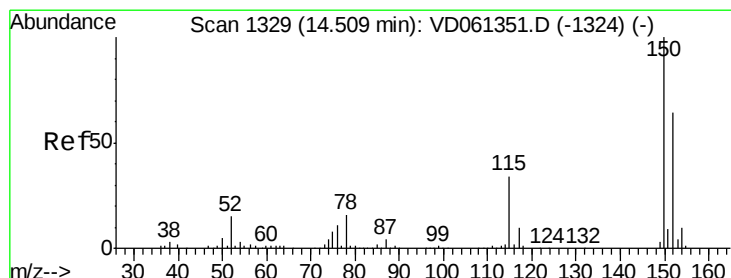
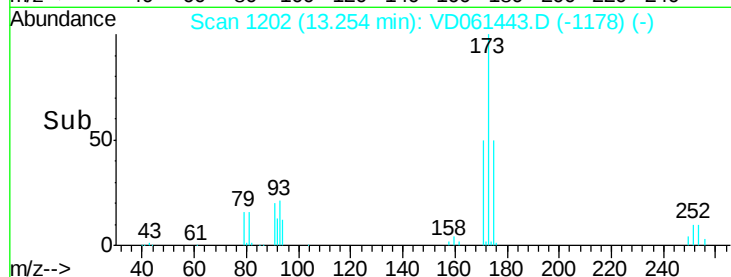
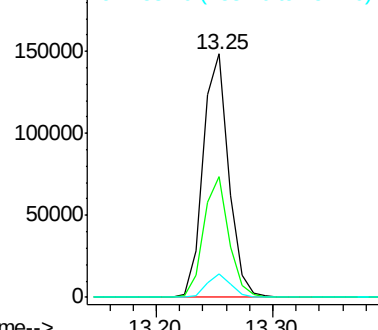
173 100

175 49.6 24.6 73.8

254 9.8 6.6 10.0



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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

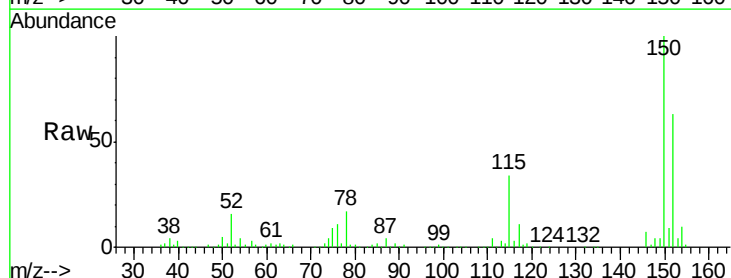
Tgt Ion:152 Resp: 376206

Ion Ratio Lower Upper

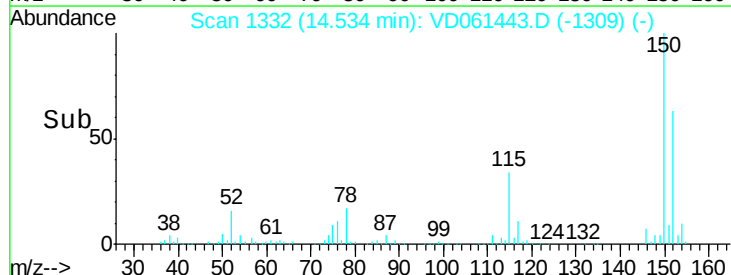
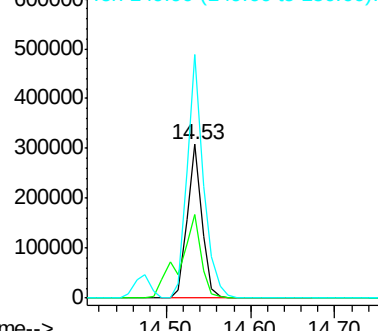
152 100

115 54.5 26.9 80.6

150 158.1 0.0 318.0



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: 54.501 ug/l

RT: 13.42 min Scan# 1219

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

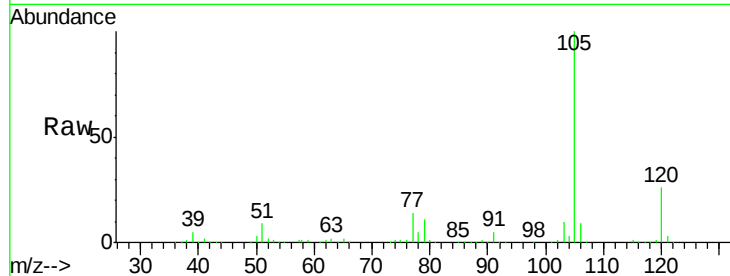
ClientSampleId :

Tot Ion:105 Resp: 1427031

Ion Ratio Lower Upper

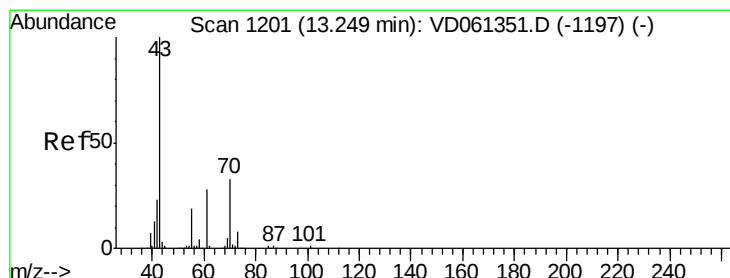
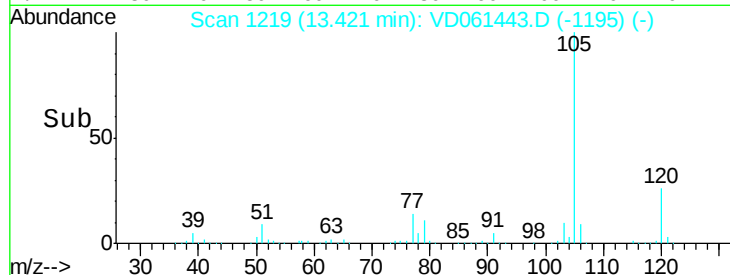
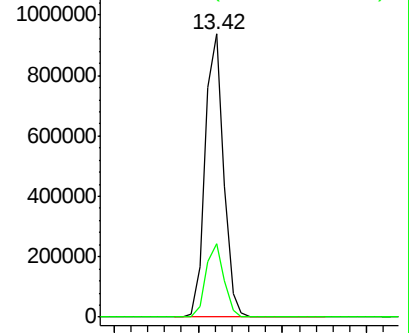
105 100

120 25.8 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.261 ug/l

RT: 13.28 min Scan# 1205

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Tgt Ion: 43 Resp: 388485

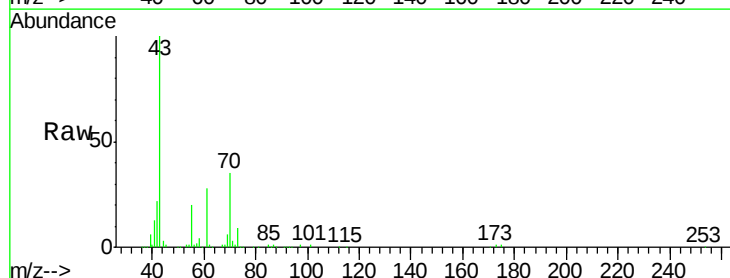
Ion Ratio Lower Upper

43 100

70 35.2 26.6 40.0

55 19.6 15.4 23.2

61 28.4 22.2 33.4

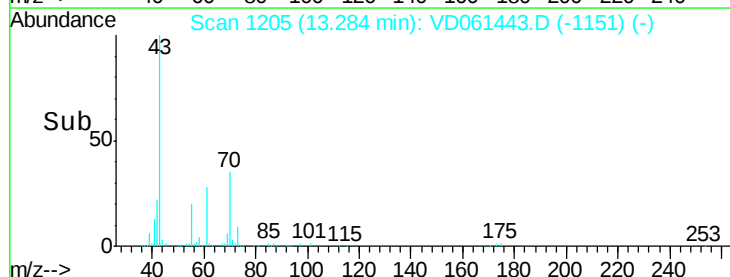
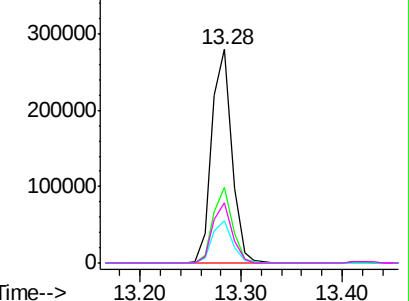


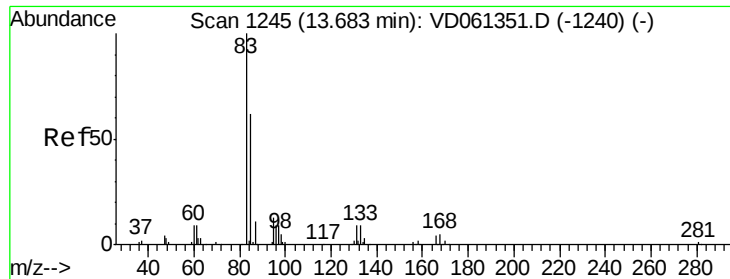
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 51.722 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

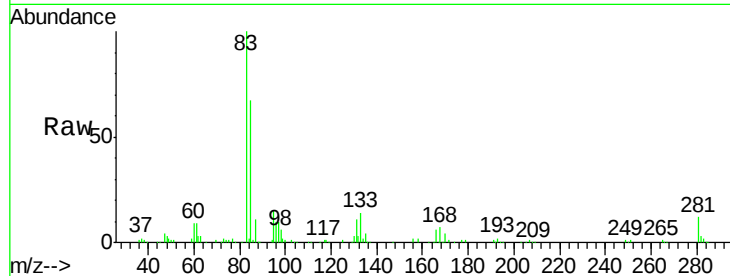
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 83 Resp: 285685

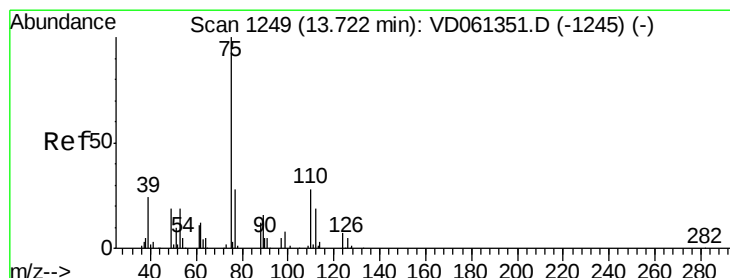
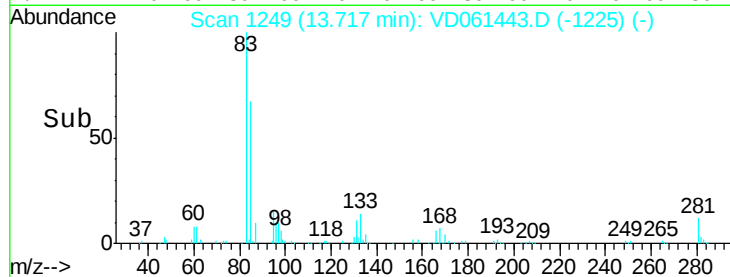
Ion	Ratio	Lower	Upper
83	100		
131	11.2	4.3	13.1
85	66.6	31.2	93.6



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: 48.862 ug/l

RT: 13.75 min Scan# 1252

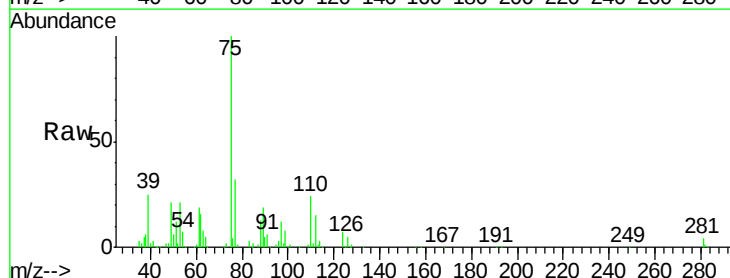
Delta R.T. 0.02 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

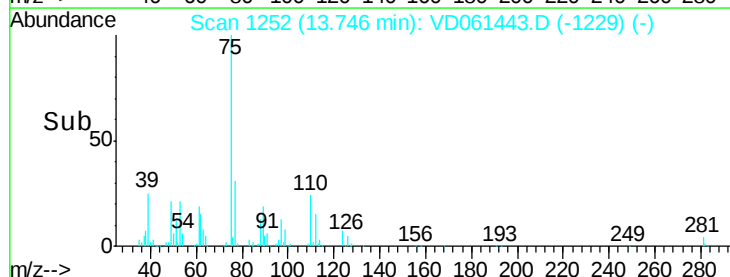
Tgt Ion: 75 Resp: 265534

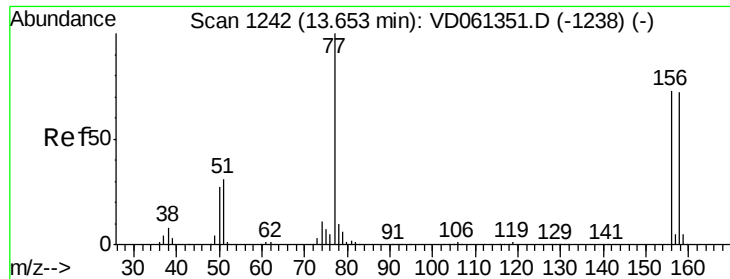
Ion	Ratio	Lower	Upper
75	100		
77	31.7	16.2	48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 49.240 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

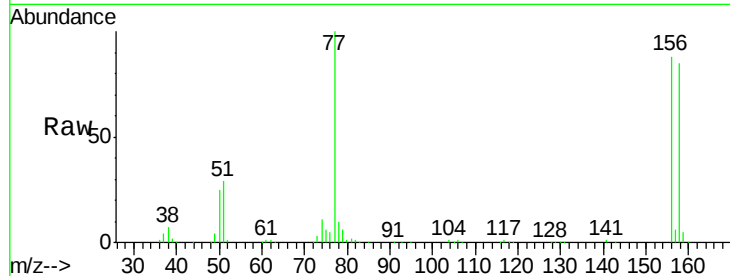
Tot Ion:156 Resp: 382221

Ion Ratio Lower Upper

156 100

77 113.9 68.5 205.6

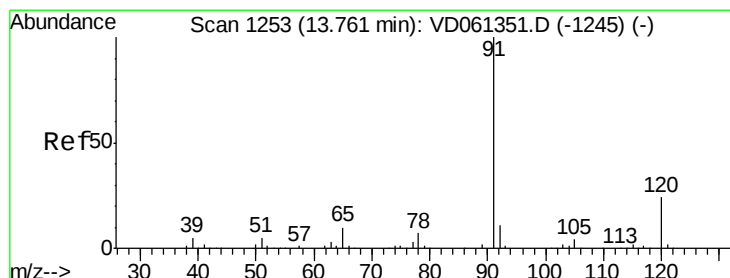
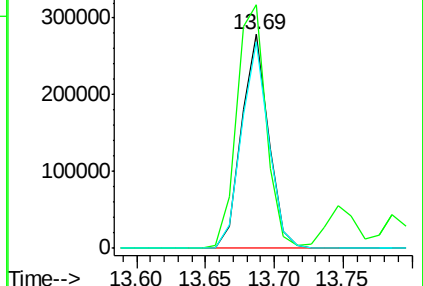
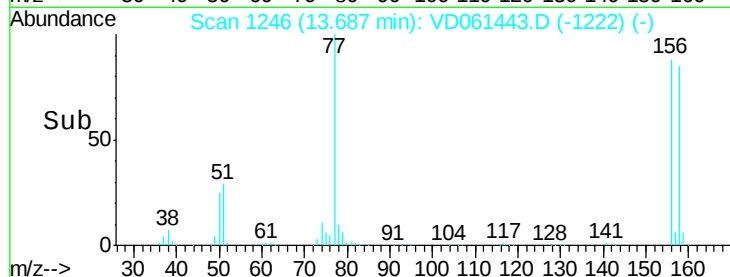
158 96.7 49.1 147.3



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: 49.573 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061443.D

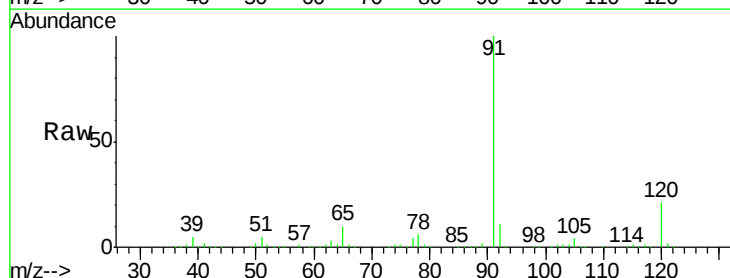
Acq: 31 Mar 2019 13:11

Tgt Ion: 91 Resp: 1588443

Ion Ratio Lower Upper

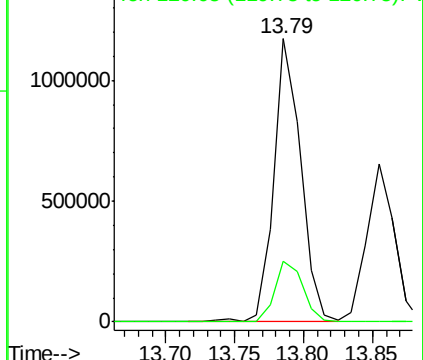
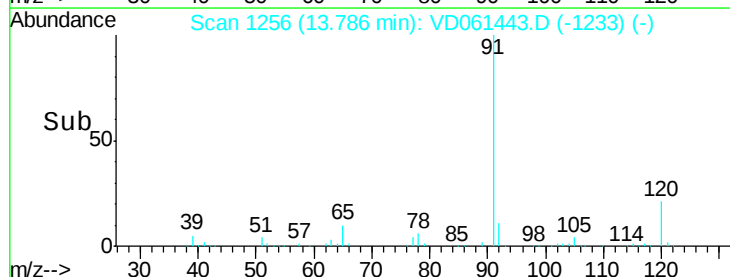
91 100

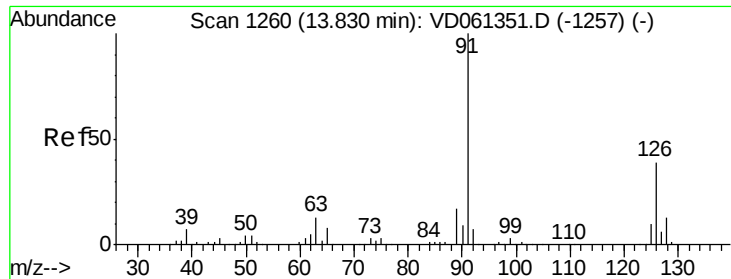
120 21.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

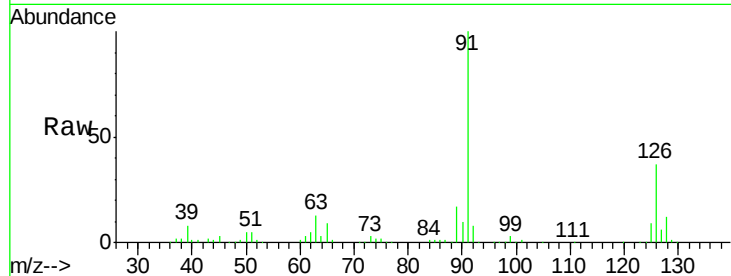




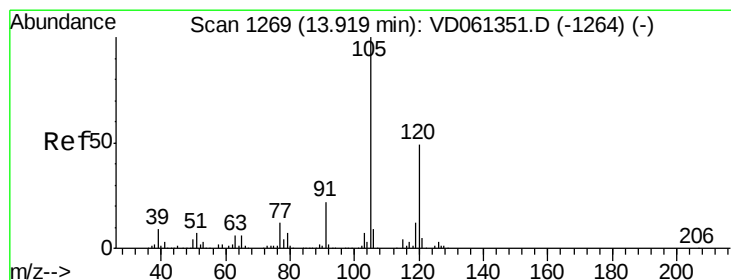
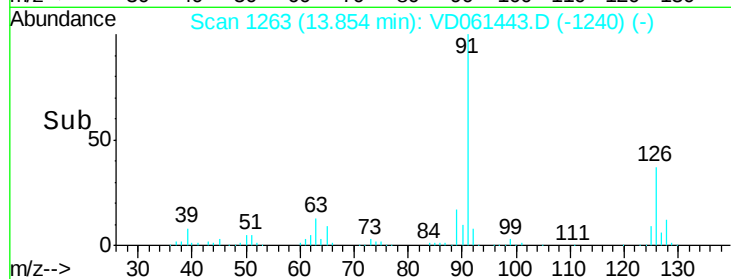
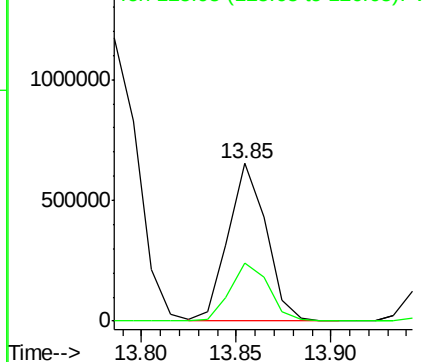
#79
2-Chlorotoluene
Concen: 51.432 ug/l
RT: 13.85 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 894826
Ion Ratio Lower Upper
91 100
126 37.1 19.4 58.2

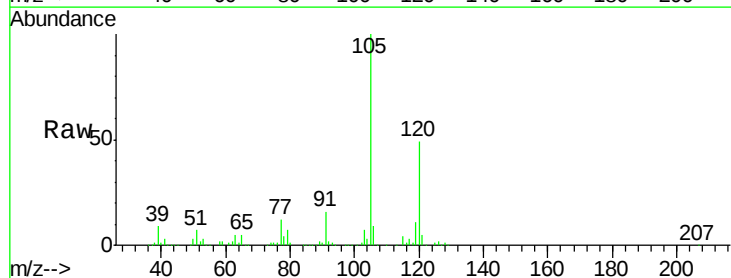


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

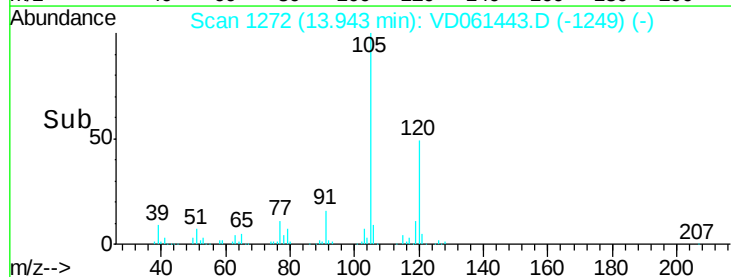
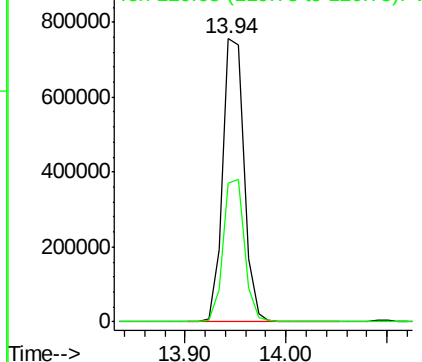


#80
1,3,5-Trimethylbenzene
Concen: 55.091 ug/l
RT: 13.94 min Scan# 1272
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 105 Resp: 1119209
Ion Ratio Lower Upper
105 100
120 49.0 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)
Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.063 ug/l

RT: 13.49 min Scan# 1226

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

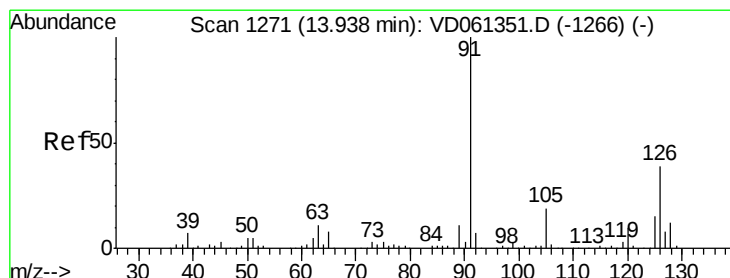
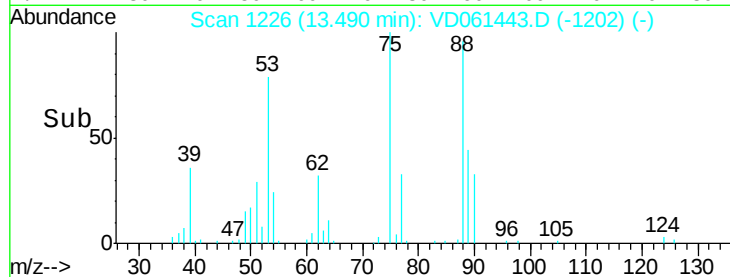
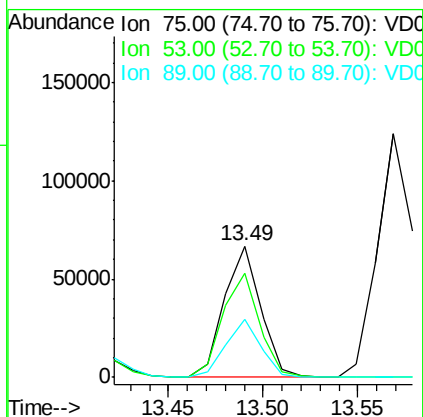
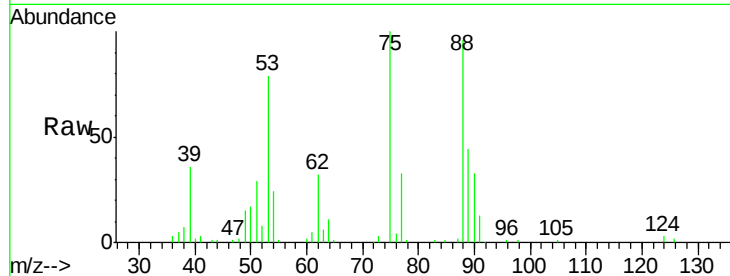
Tot Ion: 75 Resp: 89580

Ion Ratio Lower Upper

75 100

53 78.9 63.8 95.8

89 44.1 30.5 45.7



#82

4-Chlorotoluene

Concen: 51.784 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD061443.D

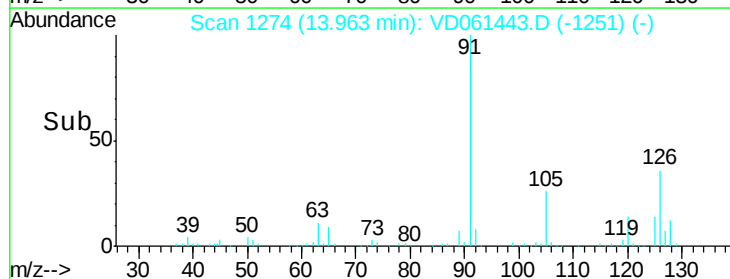
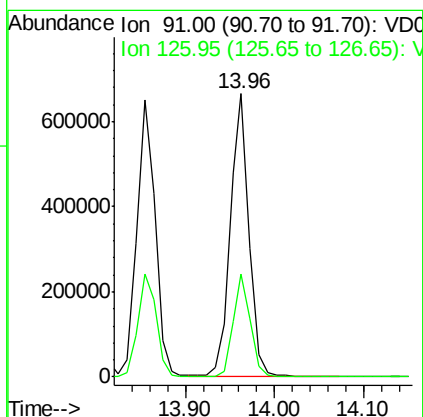
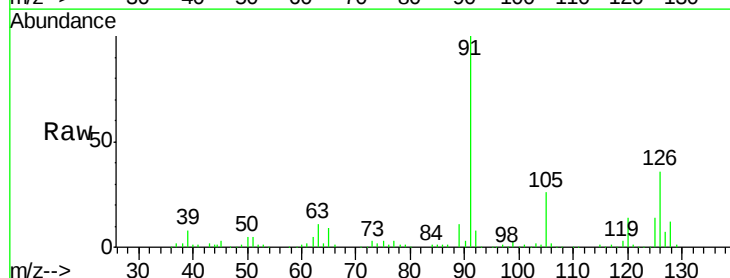
Acq: 31 Mar 2019 13:11

Tgt Ion: 91 Resp: 979647

Ion Ratio Lower Upper

91 100

126 36.5 19.6 58.8

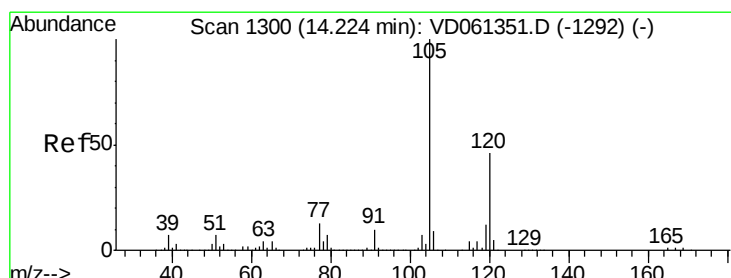
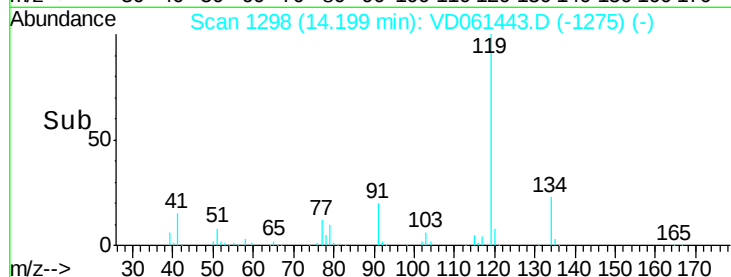
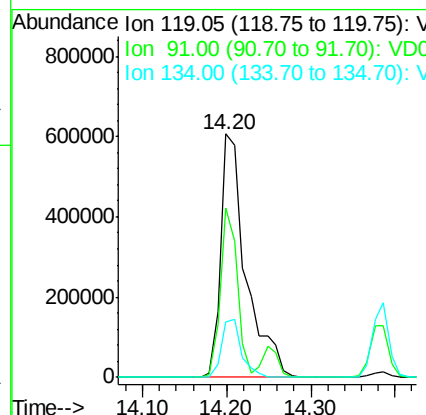
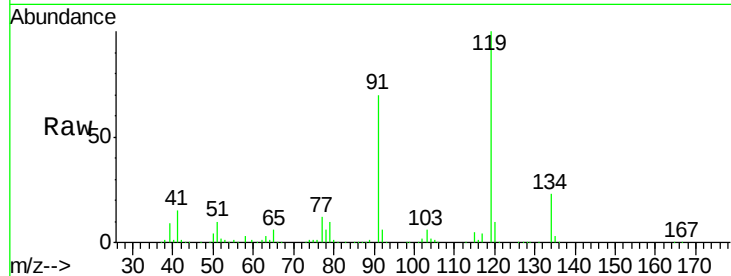




#83
tert-Butylbenzene
Concen: 49.919 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

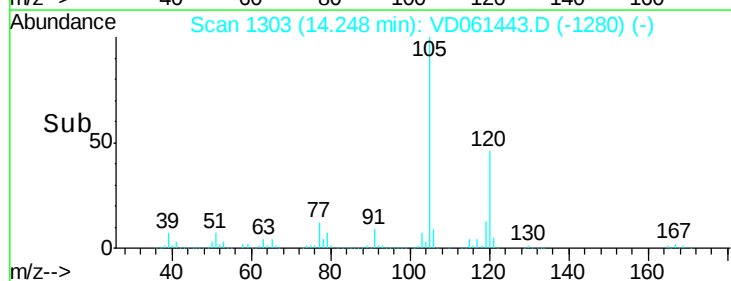
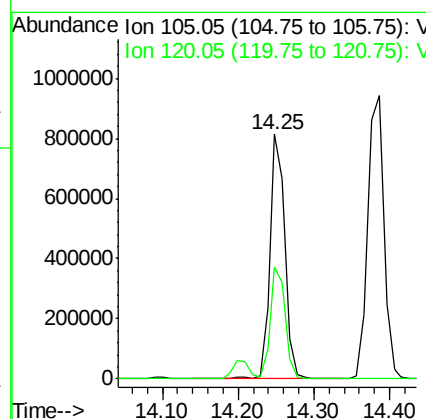
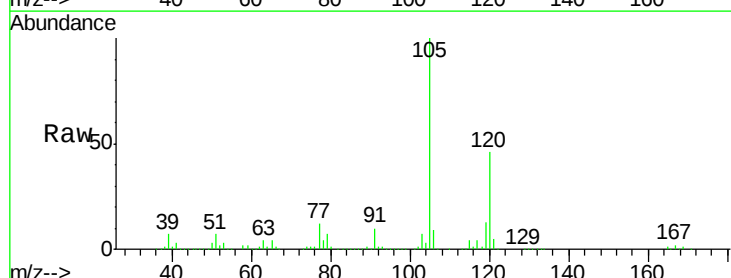
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1267379
Ion Ratio Lower Upper
119 100
91 69.8 34.1 102.3
134 22.8 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 51.035 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion:105 Resp: 1122457
Ion Ratio Lower Upper
105 100
120 45.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 50.736 ug/l

RT: 14.39 min Scan# 1317

Delta R.T. 0.03 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

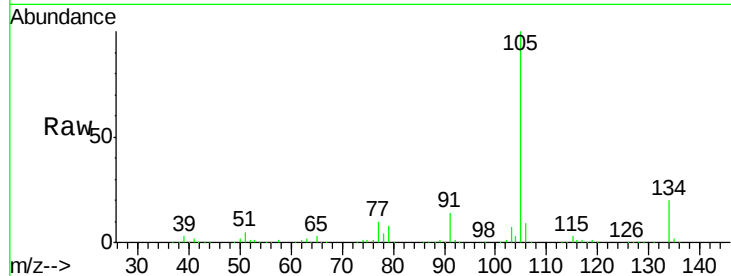
ClientSampleId :

Tot Ion:105 Resp: 1368424

Ion Ratio Lower Upper

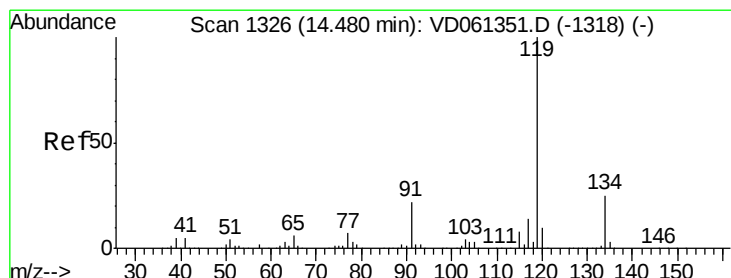
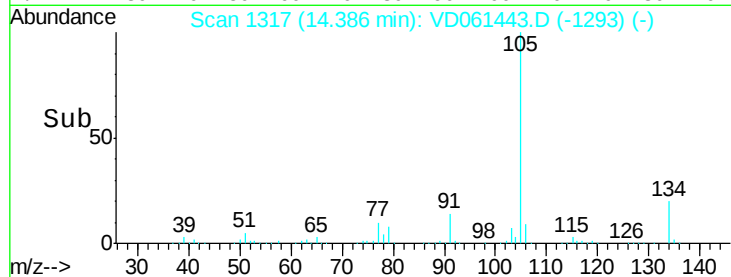
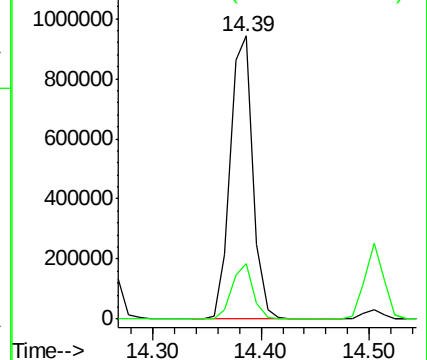
105 100

134 19.8 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 54.125 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

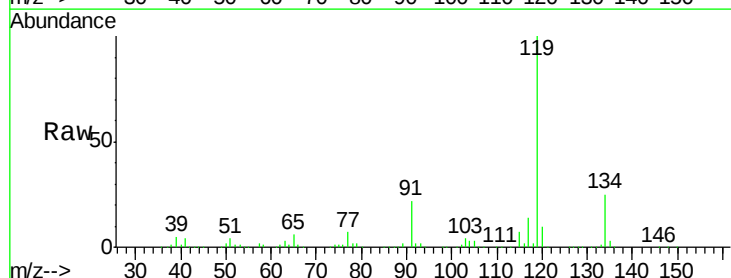
Tgt Ion:119 Resp: 1234434

Ion Ratio Lower Upper

119 100

134 25.0 12.3 36.8

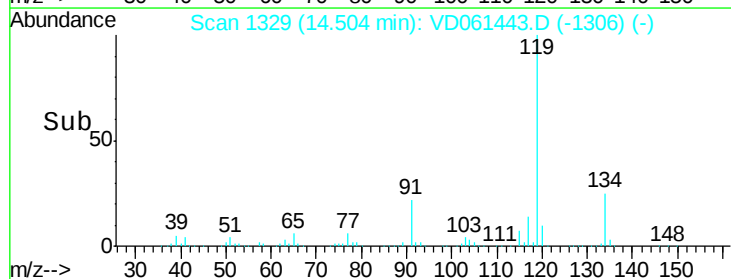
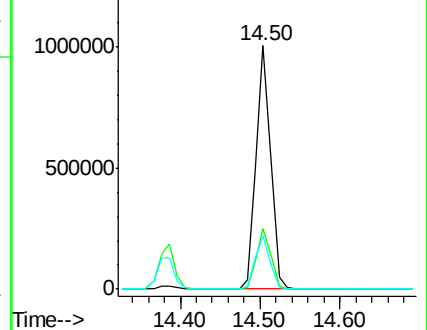
91 21.9 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

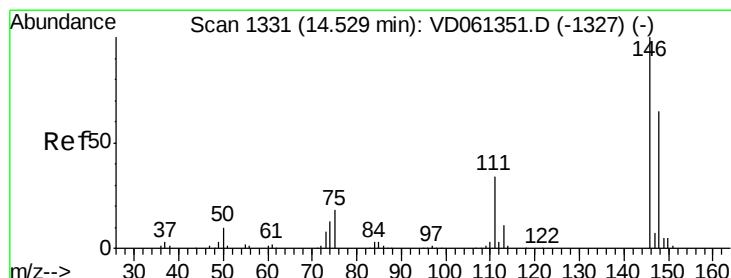
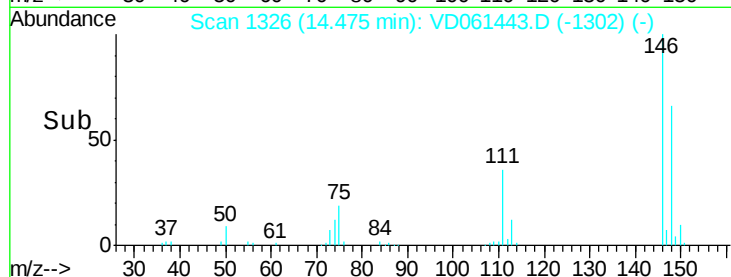
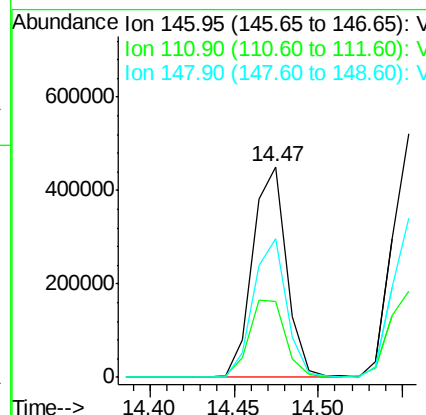
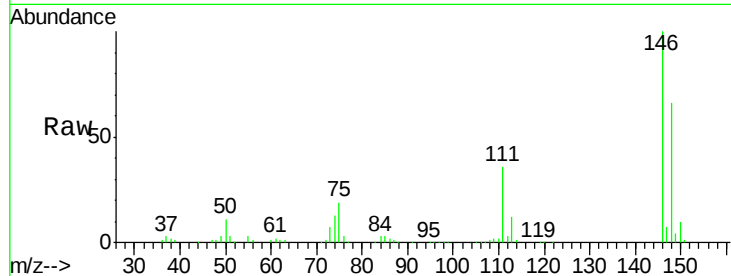




#87
 1,3-Dichlorobenzene
 Concen: 47.918 ug/l
 RT: 14.47 min Scan# 1326
 Delta R.T. 0.03 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

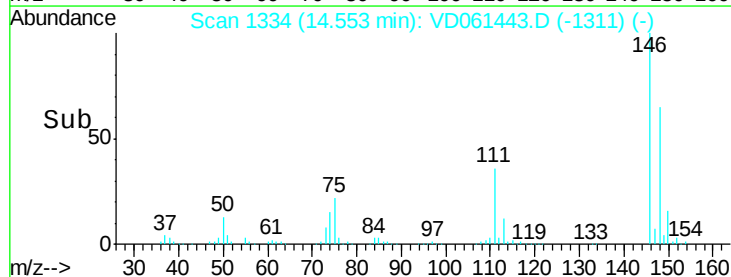
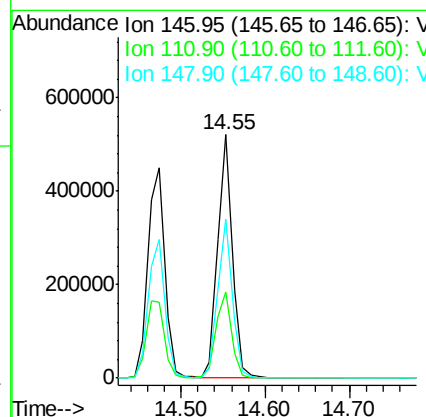
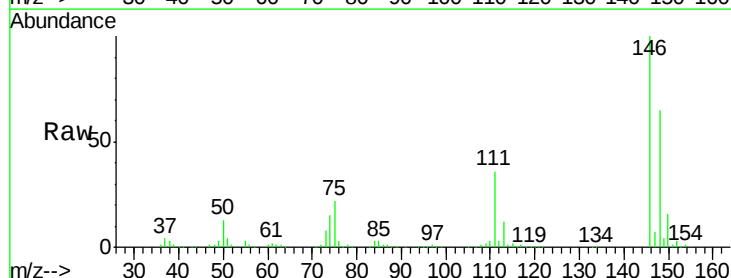
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 629863
 Ion Ratio Lower Upper
 146 100
 111 35.8 20.6 61.9
 148 65.8 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 49.637 ug/l
 RT: 14.55 min Scan# 1334
 Delta R.T. 0.02 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Tgt Ion:146 Resp: 636279
 Ion Ratio Lower Upper
 146 100
 111 35.6 16.8 50.4
 148 65.4 32.6 98.0

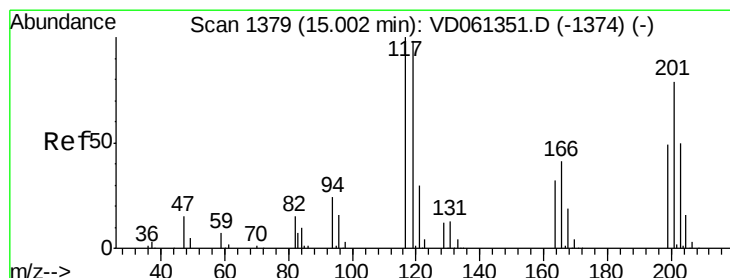
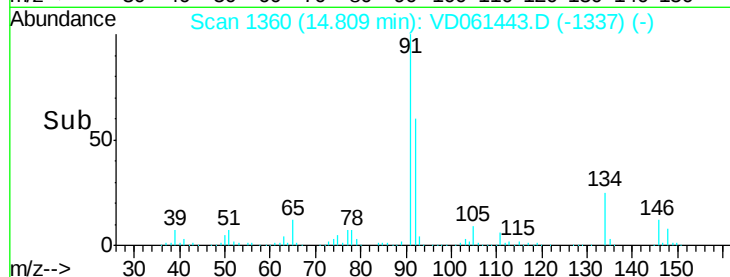
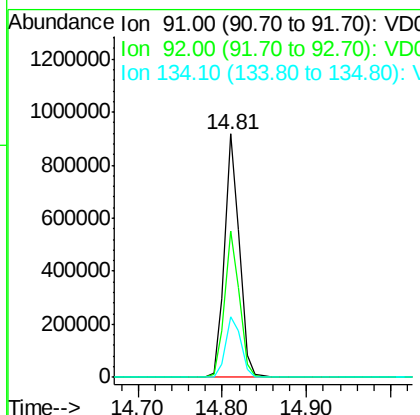
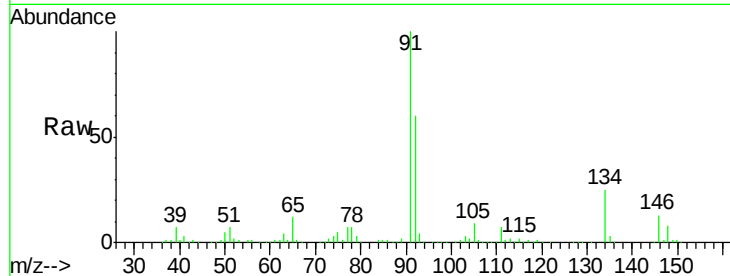




#89
n-Butylbenzene
Concen: 53.503 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

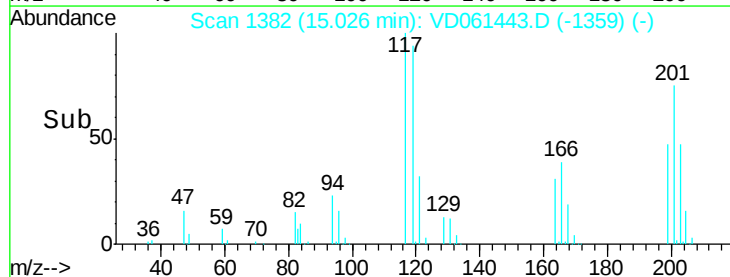
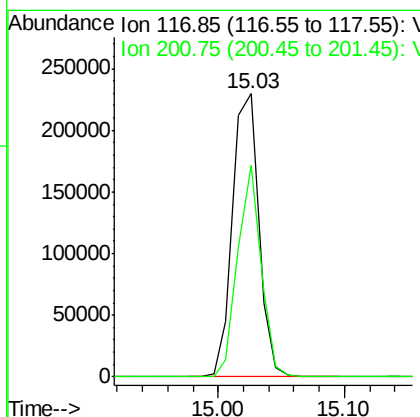
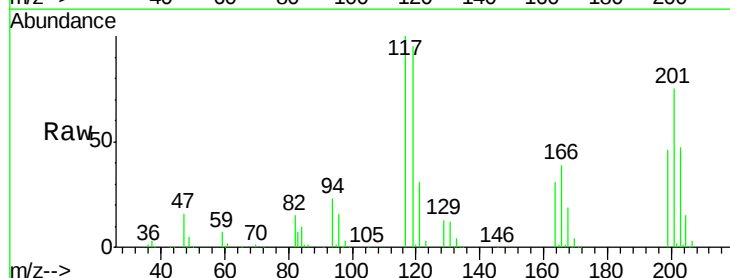
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 1119985
Ion Ratio Lower Upper
91 100
92 60.3 30.3 91.0
134 24.7 12.4 37.0



#90
Hexachloroethane
Concen: 51.340 ug/l
RT: 15.03 min Scan# 1382
Delta R.T. 0.02 min
Lab File: VD061443.D
Acq: 31 Mar 2019 13:11

Tgt Ion: 117 Resp: 330798
Ion Ratio Lower Upper
117 100
201 74.8 39.6 119.0





#91

1,2-Dichlorobenzene

Concen: 52.745 ug/l

RT: 14.82 min Scan# 1361

Delta R.T. 0.02 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

ClientSampleId :

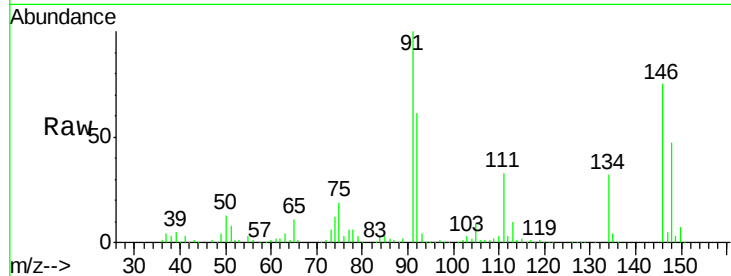
Tot Ion:146 Resp: 568692

Ion Ratio Lower Upper

146 100

111 43.9 21.2 63.6

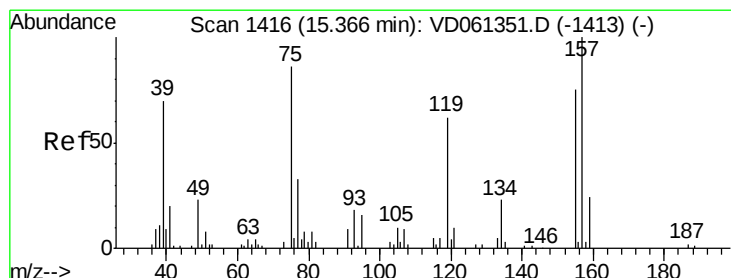
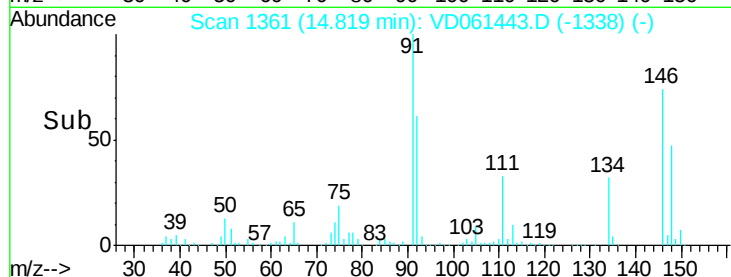
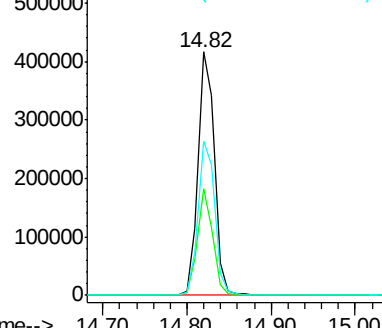
148 63.3 31.6 95.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 59.372 ug/l

RT: 15.39 min Scan# 1419

Delta R.T. 0.02 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

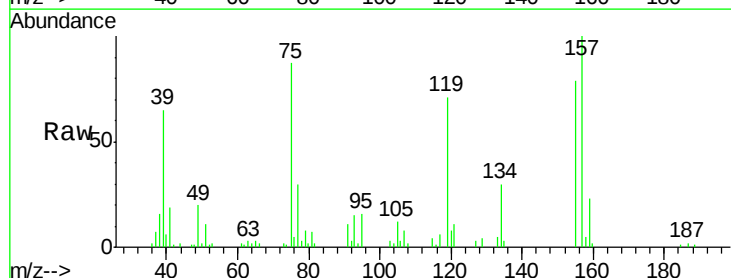
Tgt Ion: 75 Resp: 38462

Ion Ratio Lower Upper

75 100

155 91.1 43.6 130.9

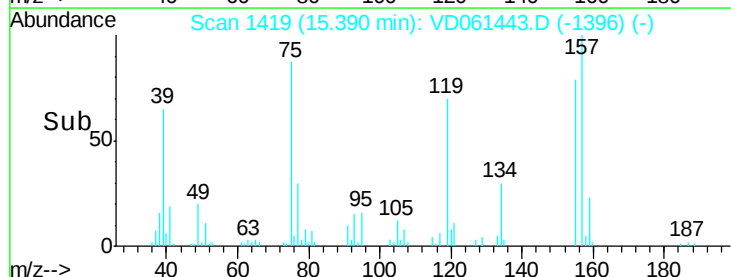
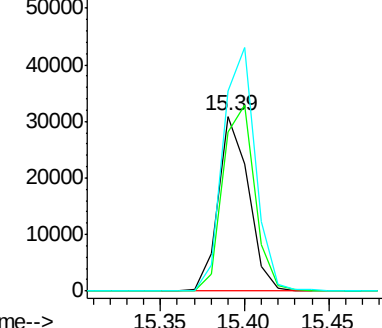
157 114.7 58.5 175.3

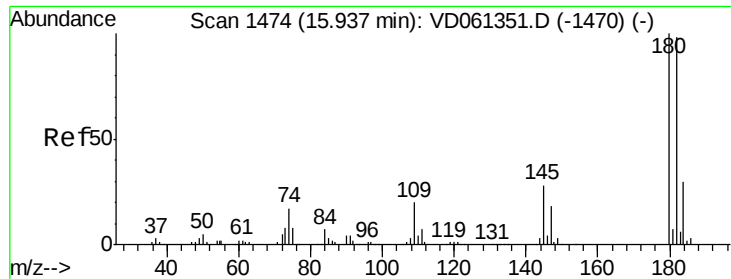


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

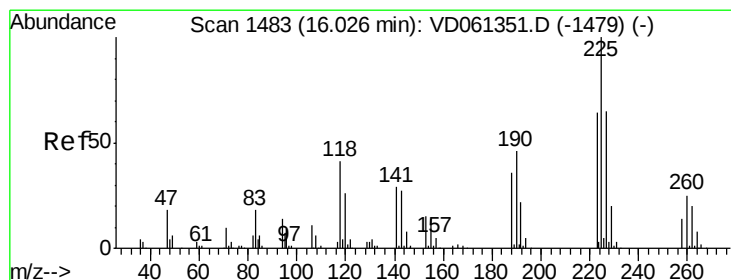
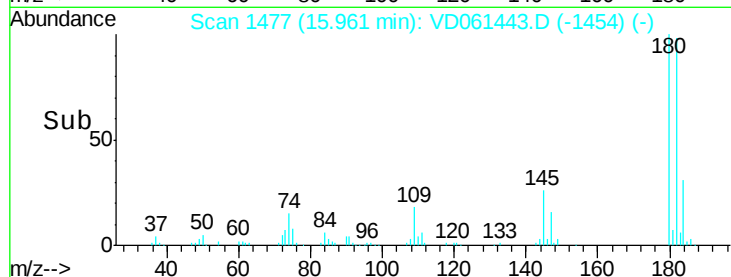
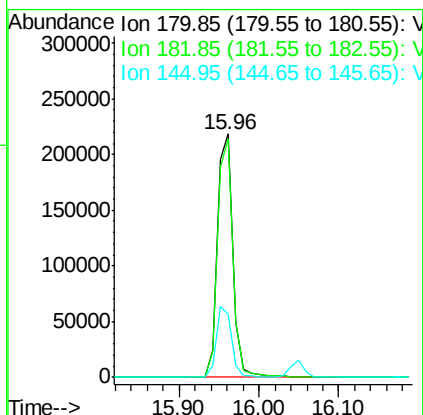
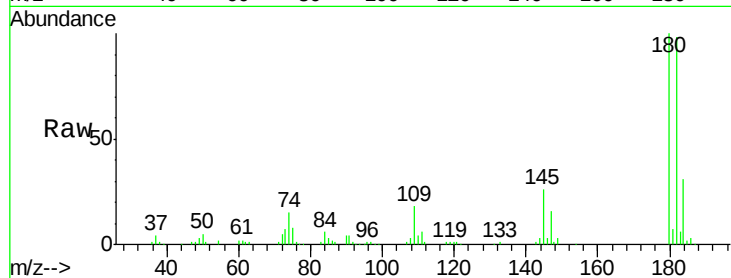




#93
 1,2,4-Trichlorobenzene
 Concen: 61.302 ug/l
 RT: 15.96 min Scan# 1477
 Delta R.T. 0.02 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

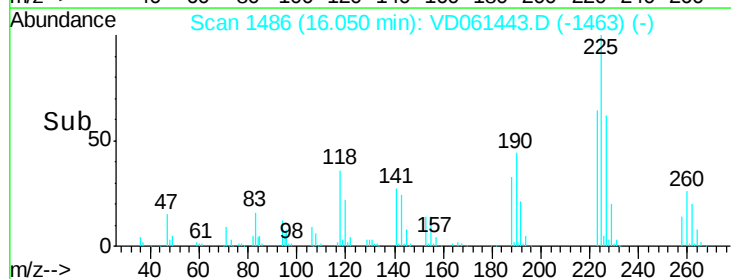
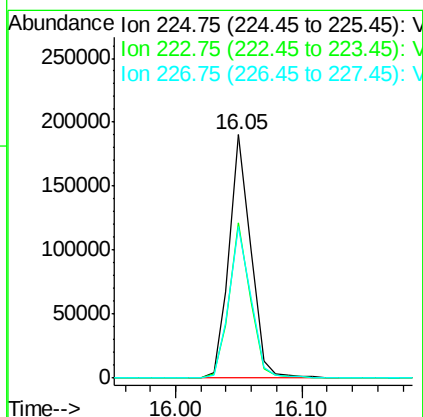
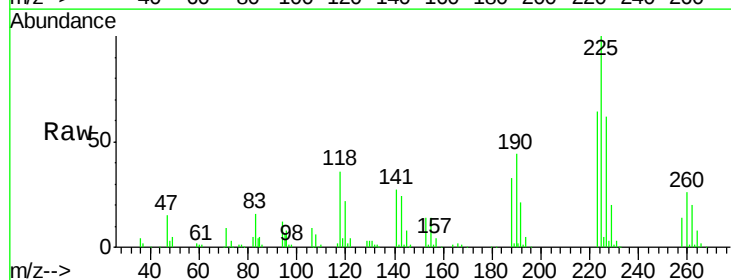
Instrument :
 MSVOA_D
 ClientSampleID :

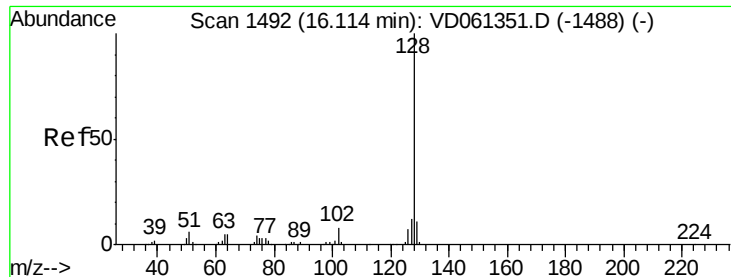
Tot Ion:180 Resp: 301087
 Ion Ratio Lower Upper
 180 100
 182 98.2 48.9 146.8
 145 26.1 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 59.128 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061443.D
 Acq: 31 Mar 2019 13:11

Tgt Ion:225 Resp: 226932
 Ion Ratio Lower Upper
 225 100
 223 63.6 32.0 96.0
 227 62.2 32.4 97.2





#95

Naphthalene

Concen: 66.392 ug/l

RT: 16.14 min Scan# 1495

Delta R.T. 0.02 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

Instrument :

MSVOA_D

ClientSampled :

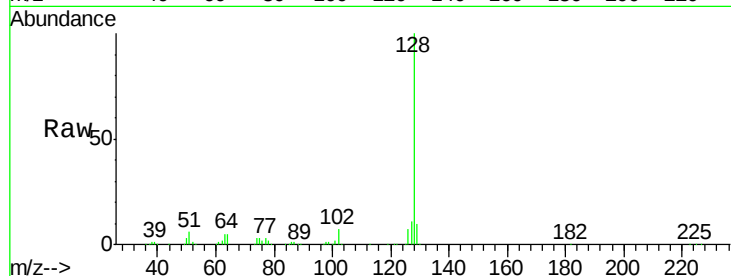
Tot Ion:128 Resp: 497041

Ion Ratio Lower Upper

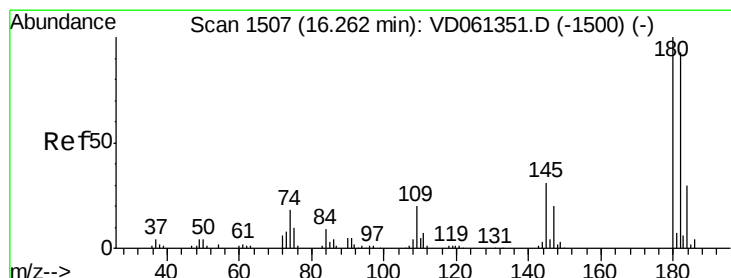
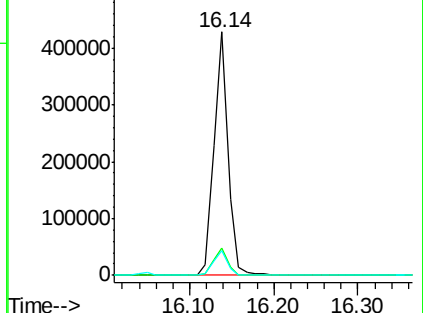
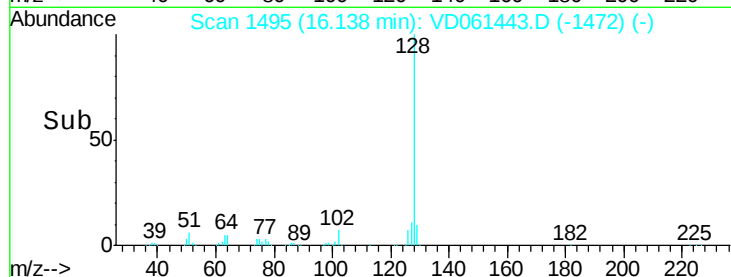
128 100

127 11.4 9.9 14.9

129 10.4 8.9 13.3



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: 83.481 ug/l

RT: 16.29 min Scan# 1510

Delta R.T. 0.02 min

Lab File: VD061443.D

Acq: 31 Mar 2019 13:11

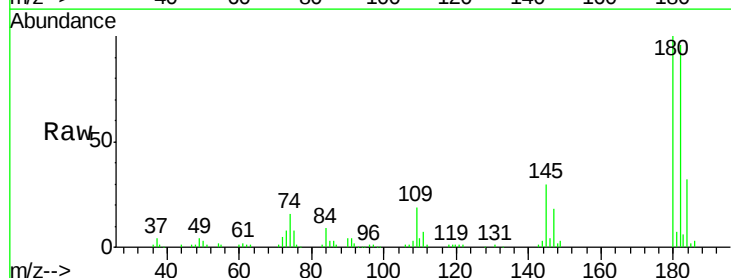
Tgt Ion:180 Resp: 180427

Ion Ratio Lower Upper

180 100

182 96.1 46.4 139.1

145 30.3 15.3 45.9



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

