

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060292.D
 Acq On : 7 Nov 2018 10:30
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 07 10:58:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:56:04 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1737562	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	2354740	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1883337	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.37	152	968563	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	609415	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
35) Dibromofluoromethane	6.33	113	925331	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
50) Toluene-d8	9.46	98	2719699	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	12.43	95	975749	52.40	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	104.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	728786	53.82	ug/l	96
3) Chloromethane	1.77	50	738561	44.87	ug/l	100
4) Vinyl Chloride	1.86	62	636095	47.32	ug/l	99
5) Bromomethane	2.16	94	170456	53.45	ug/l	99
6) Chloroethane	2.27	64	220007	49.33	ug/l	98
7) Trichlorofluoromethane	2.52	101	773104	48.79	ug/l	96
8) Diethyl Ether	2.83	74	133771	46.62	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.11	101	495231	47.51	ug/l	98
10) Methyl Iodide	3.25	142	611369	45.16	ug/l	96
11) Tert butyl alcohol	3.97	59	128093	250.73	ug/l #	89
12) 1,1-Dichloroethene	3.09	96	394849	46.57	ug/l	98
13) Acrolein	2.99	56	134636	223.03	ug/l	95
14) Allyl chloride	3.54	41	790194	48.71	ug/l	99
15) Acrylonitrile	4.09	53	723860	242.97	ug/l	100
16) Acetone	3.17	43	572136	265.12	ug/l	100
17) Carbon Disulfide	3.32	76	1284978	46.96	ug/l	99
18) Methyl Acetate	3.57	43	216969	47.15	ug/l	99
19) Methyl tert-butyl Ether	4.13	73	1276267	50.27	ug/l	100
20) Methylene Chloride	3.73	84	886522	46.31	ug/l	99
21) trans-1,2-Dichloroethene	4.11	96	957270	50.85	ug/l	99
22) Diisopropyl ether	4.87	45	3052775	50.37	ug/l	99
23) Vinyl Acetate	4.81	43	7527646	249.62	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1576911	50.74	ug/l	100
25) 2-Butanone	5.63	43	1170637	260.97	ug/l	100
26) 2,2-Dichloropropane	5.60	77	1289905	53.38	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	1021110	52.07	ug/l	97
28) Bromochloromethane	5.93	49	682749	49.79	ug/l	96
29) Tetrahydrofuran	5.96	42	566586	239.57	ug/l	99
30) Chloroform	6.11	83	1589012	51.14	ug/l	100
31) Cyclohexane	6.37	56	1446018	48.68	ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	1357850	51.88	ug/l	99
36) 1,1-Dichloropropene	6.53	75	1209545	51.99	ug/l	97
37) Ethyl Acetate	5.70	43	556035	51.94	ug/l	99
38) Carbon Tetrachloride	6.50	117	1122758	52.03	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	1413643	52.83	ug/l	98
40) Benzene	6.81	78	3059946	51.53	ug/l	99
41) Methacrylonitrile	5.95	41	610831	49.85	ug/l	99
42) 1,2-Dichloroethane	6.90	62	803574	51.70	ug/l	98
43) Isopropyl Acetate	8.35	43	698277	51.93	ug/l #	97
44) Trichloroethene	7.74	130	969485	53.86	ug/l	98
45) 1,2-Dichloropropane	8.11	63	793516	52.98	ug/l	98
46) Dibromomethane	8.22	93	459743	52.41	ug/l	97
47) Bromodichloromethane	8.50	83	1092509	52.85	ug/l #	96
48) Methyl methacrylate	8.25	41	433391	53.06	ug/l	95
49) 1,4-Dioxane	8.23	88	77097	1090.92	ug/l #	89
51) 4-Methyl-2-Pentanone	9.35	43	2232277	255.06	ug/l	99
52) Toluene	9.55	92	1976496	52.10	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	941112	53.89	ug/l	100
54) cis-1,3-Dichloropropene	9.11	75	1219167	54.43	ug/l	98
55) 1,1,2-Trichloroethane	10.18	97	555342	50.51	ug/l	99
56) Ethyl methacrylate	10.03	69	539564	53.38	ug/l	99
57) 1,3-Dichloropropane	10.39	76	863965	51.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.93	63	1600683	261.88	ug/l	97
59) 2-Hexanone	10.50	43	1695368	271.78	ug/l	97
60) Dibromochloromethane	10.64	129	739635	55.34	ug/l	100
61) 1,2-Dibromoethane	10.76	107	582498	52.88	ug/l	99
64) Tetrachloroethene	10.26	164	904604	53.80	ug/l	97
65) Chlorobenzene	11.31	112	2130686	52.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	682562	51.12	ug/l	96
67) Ethyl Benzene	11.43	91	3438403	49.26	ug/l	100
68) m/p-Xylenes	11.57	106	2636739	102.40	ug/l	100
69) o-Xylene	11.93	106	1306172	52.51	ug/l	99
70) Styrene	11.96	104	2130078	52.98	ug/l	99
71) Bromoform	12.12	173	488806	54.48	ug/l	100
73) Isopropylbenzene	12.28	105	3561354	50.47	ug/l	99
74) N-amyl acetate	12.14	43	900510	49.77	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	567269	49.15	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	577520	49.85	ug/l	99
77) Bromobenzene	12.54	156	933031	49.78	ug/l	95
78) n-propylbenzene	12.64	91	4334712	49.21	ug/l	99
79) 2-Chlorotoluene	12.71	91	2404884	49.85	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	2686102	48.98	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	170695	51.75	ug/l	96
82) 4-Chlorotoluene	12.81	91	2672058	49.31	ug/l	99
83) tert-Butylbenzene	13.05	119	3135025	51.49	ug/l	92
84) 1,2,4-Trimethylbenzene	13.09	105	2792572	50.99	ug/l	98
85) sec-Butylbenzene	13.22	105	3867862	51.78	ug/l	98
86) p-Isopropyltoluene	13.34	119	3117403	51.82	ug/l	96
87) 1,3-Dichlorobenzene	13.31	146	1699593	50.96	ug/l	99
88) 1,4-Dichlorobenzene	13.39	146	1671087	51.31	ug/l	95
89) n-Butylbenzene	13.65	91	3071794	53.05	ug/l	97
90) Hexachloroethane	13.86	117	777838	54.53	ug/l	90
91) 1,2-Dichlorobenzene	13.67	146	1373648	50.15	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	72383	51.96	ug/l	73

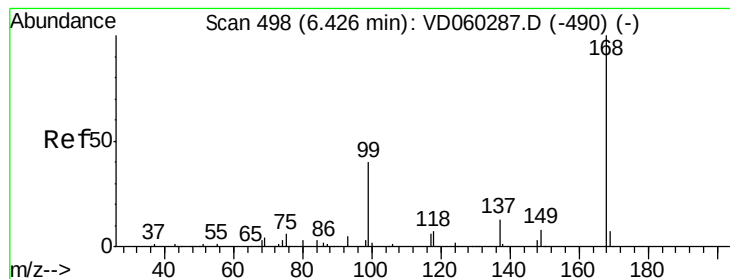
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1128112	51.94	ug/l	98
94) Hexachlorobutadiene	14.89	225	834325	51.36	ug/l	99
95) Naphthalene	14.97	128	1344031	50.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	912705	52.44	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.41 min Scan# 497

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

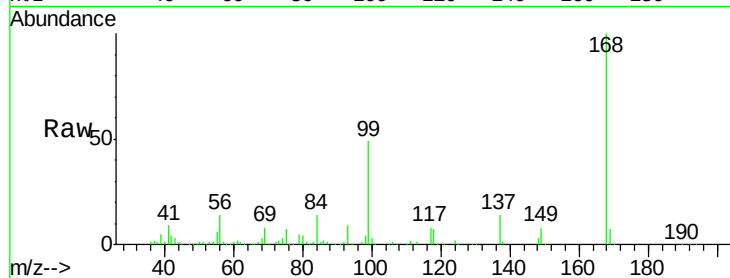
ClientSampleId :

Tot Ion:168 Resp: 1737562

Ion Ratio Lower Upper

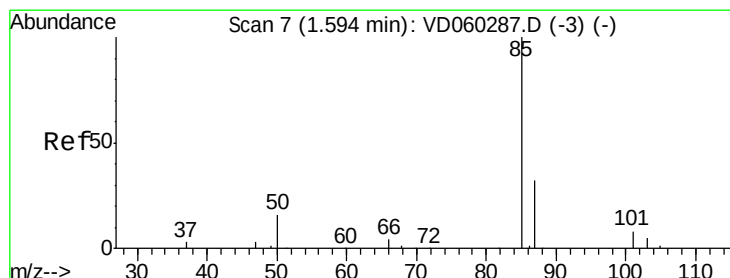
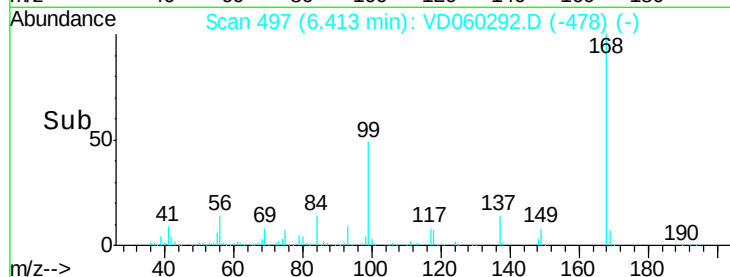
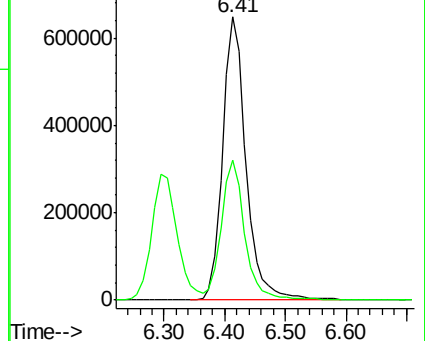
168 100

99 49.3 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.95 (98.65 to 99.65): VD



#2

Dichlorodifluoromethane

Concen: 53.82 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060292.D

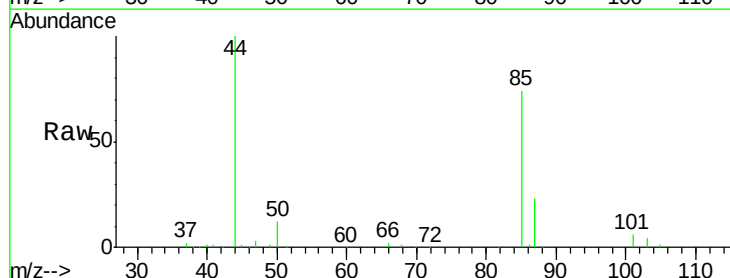
Acq: 7 Nov 2018 10:30

Tgt Ion: 85 Resp: 728786

Ion Ratio Lower Upper

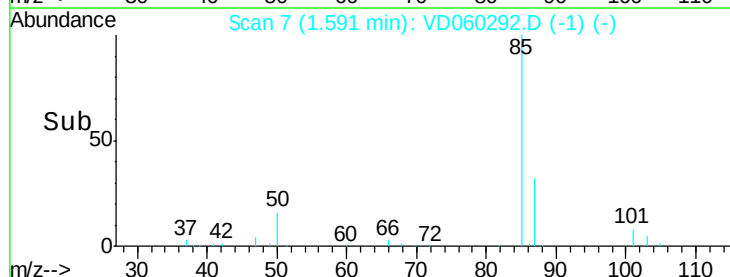
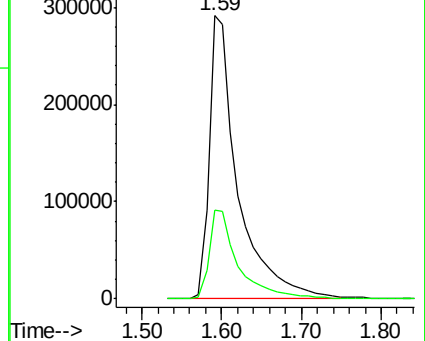
85 100

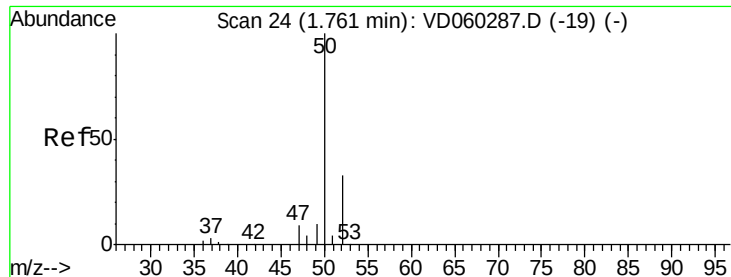
87 31.5 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VD

Ion 86.90 (86.60 to 87.60): VD





#3

Chloromethane

Concen: 44.87 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

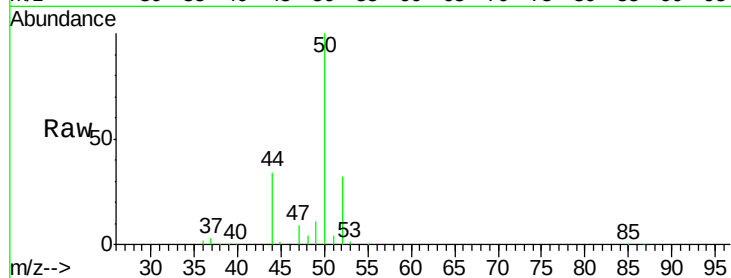
ClientSampled :

Tot Ion: 50 Resp: 738561

Ion Ratio Lower Upper

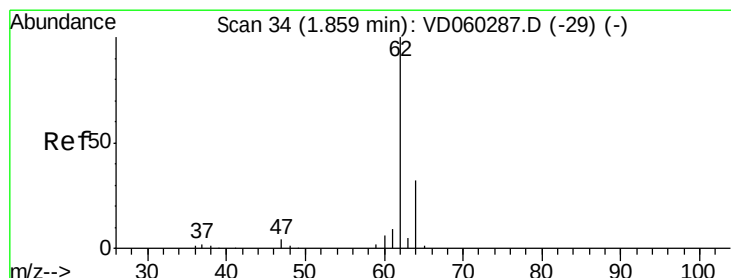
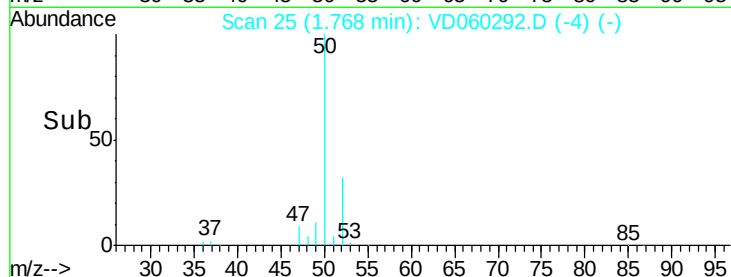
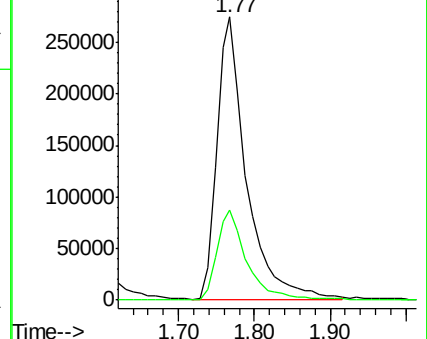
50 100

52 32.0 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VD

Ion 51.90 (51.60 to 52.60): VD



#4

Vinyl Chloride

Concen: 47.32 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060292.D

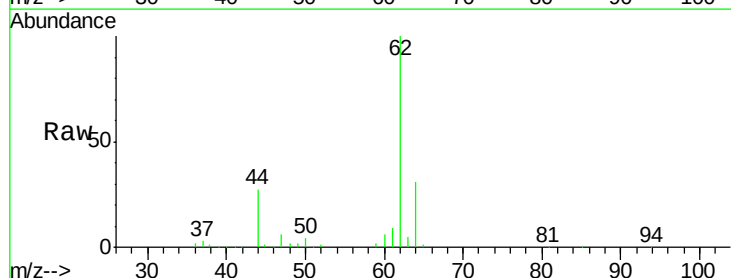
Acq: 7 Nov 2018 10:30

Tgt Ion: 62 Resp: 636095

Ion Ratio Lower Upper

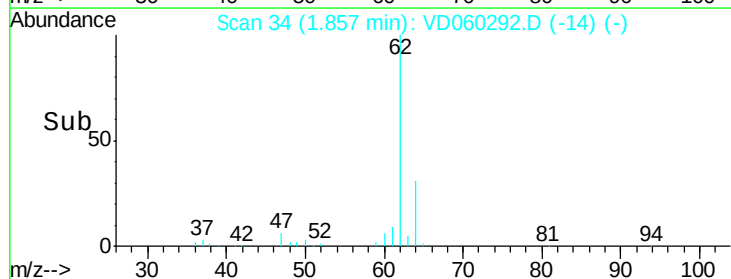
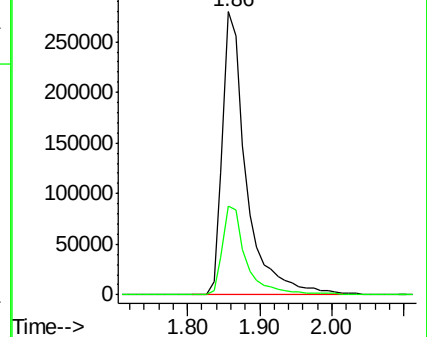
62 100

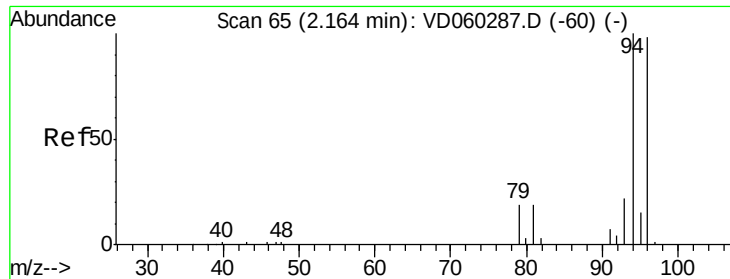
64 31.4 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VD

Ion 63.95 (63.65 to 64.65): VD





#5

Bromomethane

Concen: 53.45 ug/l

RT: 2.16 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

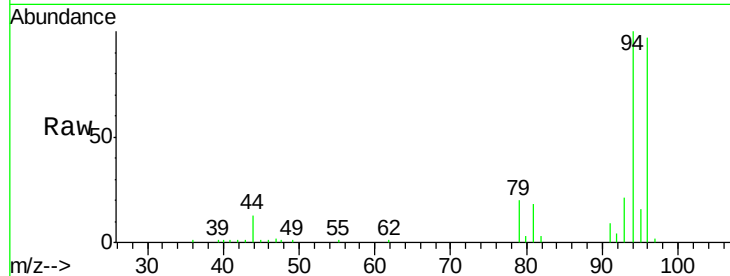
ClientSampleId :

Tot Ion: 94 Resp: 170456

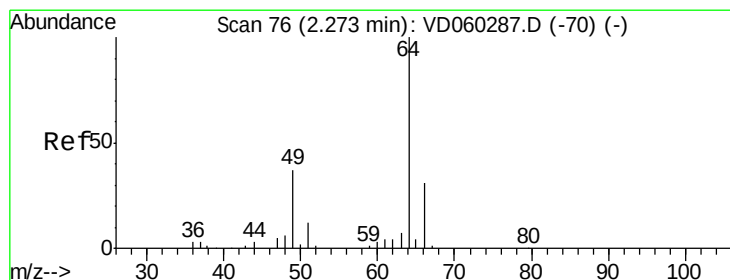
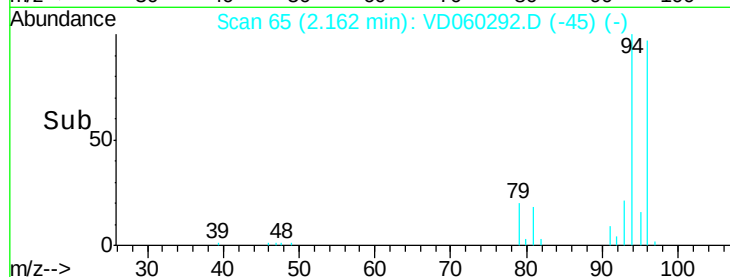
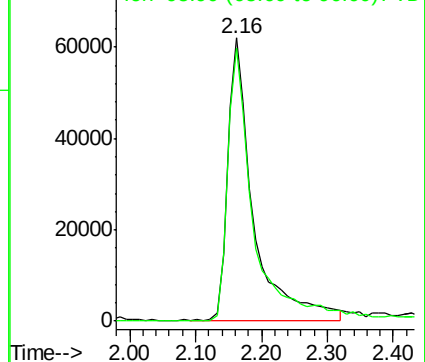
Ion Ratio Lower Upper

94 100

96 96.7 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VD
Ion 95.90 (95.60 to 96.60): VD



#6

Chloroethane

Concen: 49.33 ug/l

RT: 2.27 min Scan# 76

Delta R.T. -0.00 min

Lab File: VD060292.D

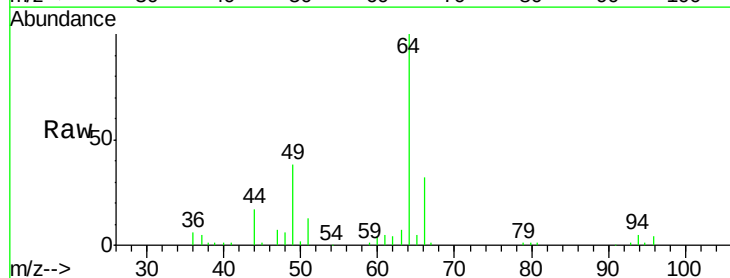
Acq: 7 Nov 2018 10:30

Tgt Ion: 64 Resp: 220007

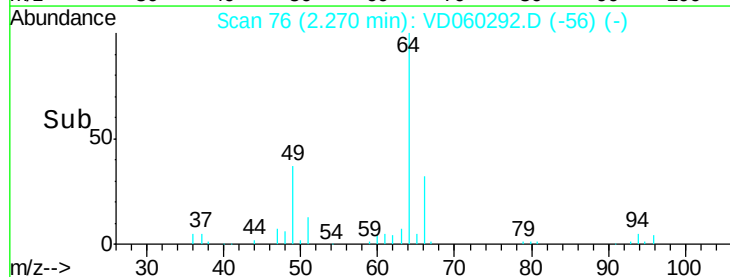
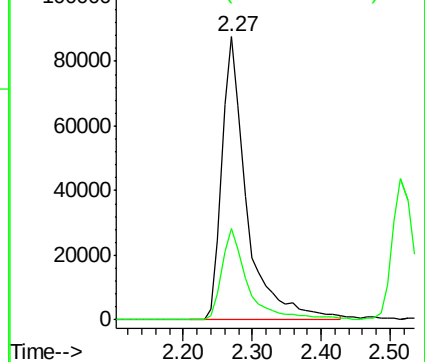
Ion Ratio Lower Upper

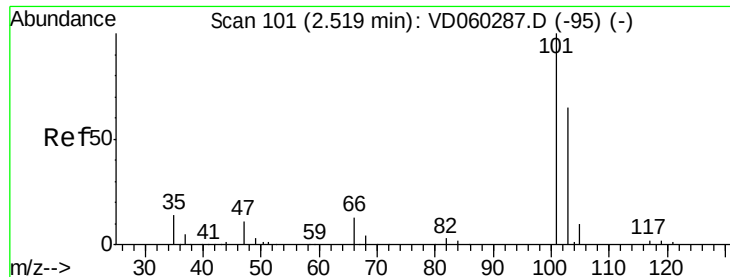
64 100

66 32.1 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VD
Ion 65.90 (65.60 to 66.60): VD



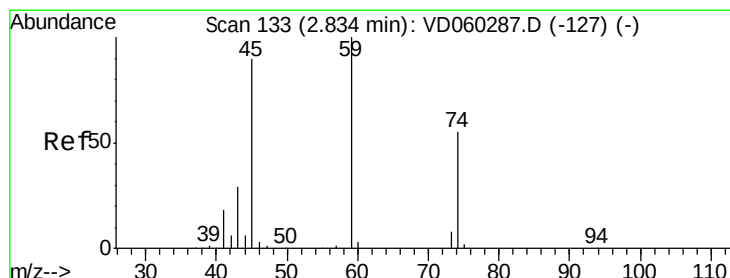
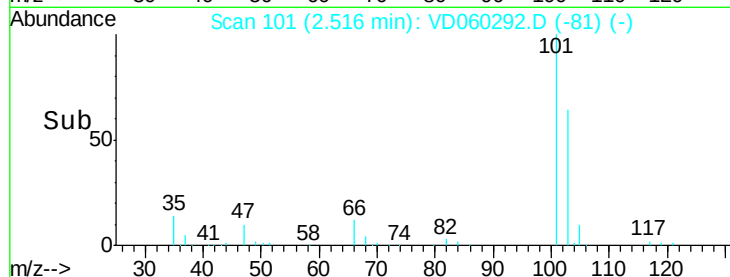
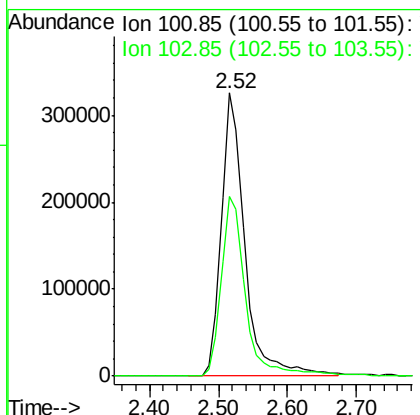
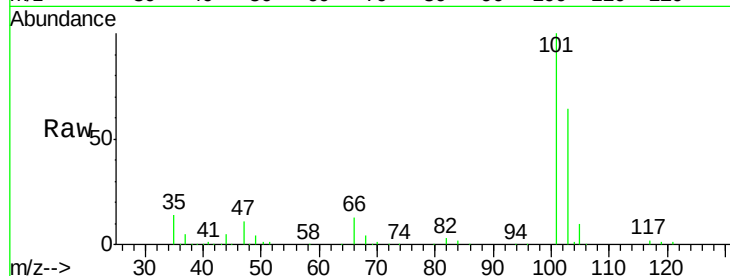


#7

Trichlorofluoromethane
Concen: 48.79 ug/l
RT: 2.52 min Scan# 101
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :

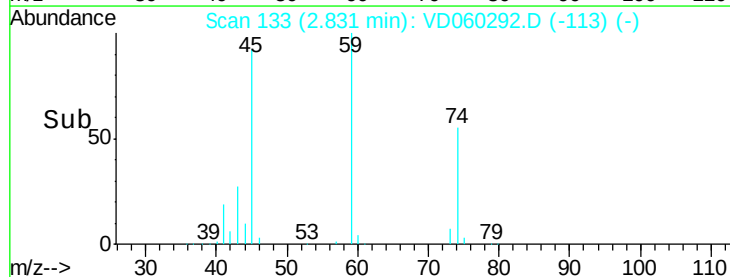
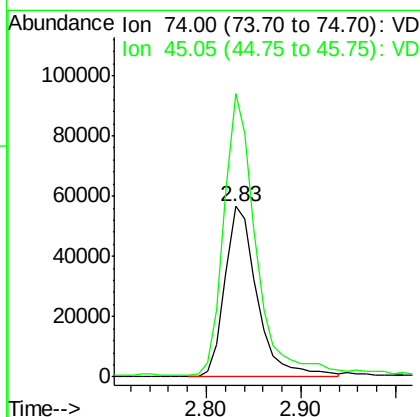
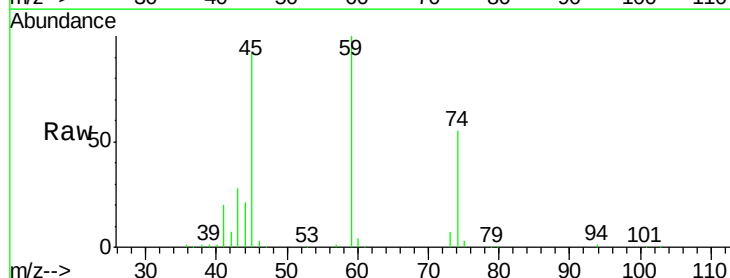
Tot Ion:101 Resp: 773104
Ion Ratio Lower Upper
101 100
103 63.6 53.6 80.4

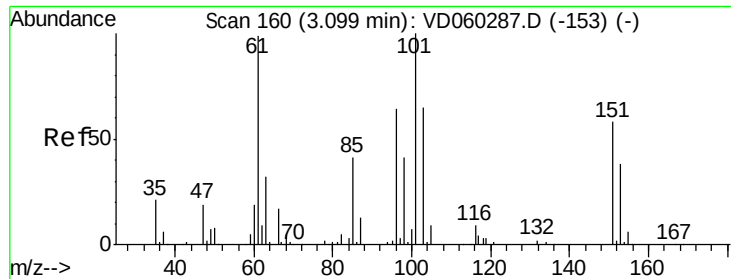


#8

Diethyl Ether
Concen: 46.62 ug/l
RT: 2.83 min Scan# 133
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion: 74 Resp: 133771
Ion Ratio Lower Upper
74 100
45 166.1 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.51 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

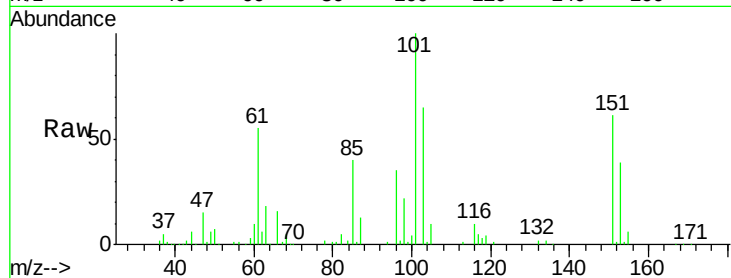
Tot Ion:101 Resp: 495231

Ion Ratio Lower Upper

101 100

85 39.9 31.4 47.0

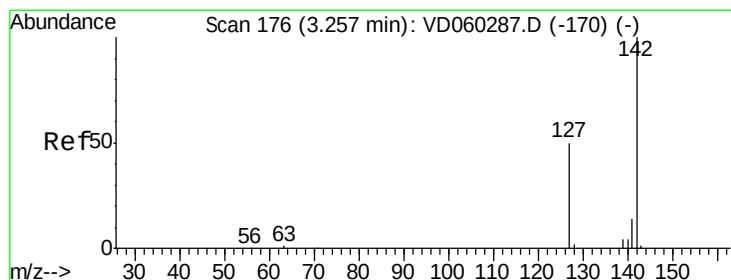
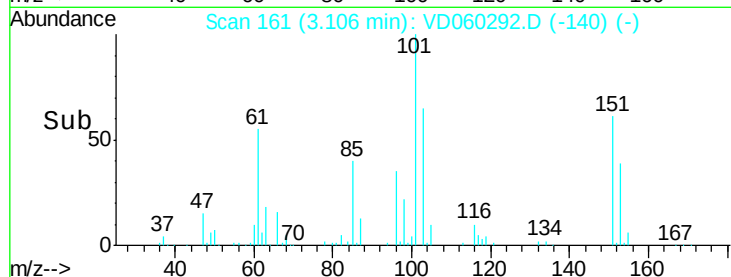
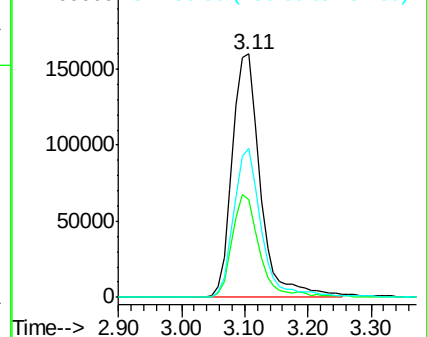
151 61.0 47.4 71.0



Abundance Ion 100.85 (100.55 to 101.55):

Ion 84.95 (84.65 to 85.65): VD

Ion 150.90 (150.60 to 151.60):



#10

Methyl Iodide

Concen: 45.16 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

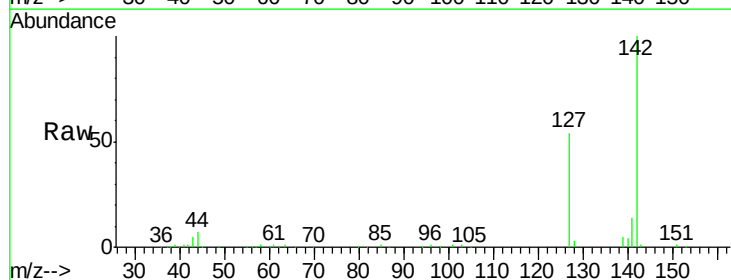
Tgt Ion:142 Resp: 611369

Ion Ratio Lower Upper

142 100

127 54.4 41.0 61.6

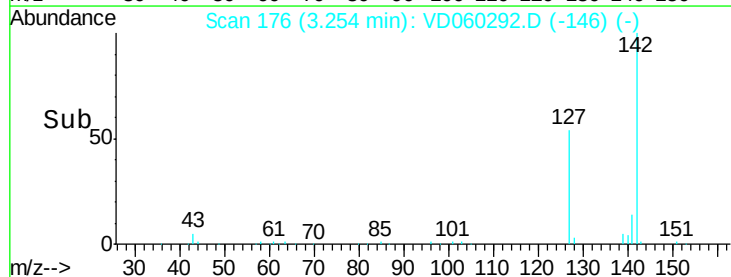
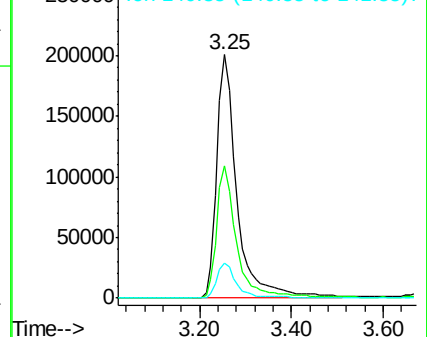
141 14.4 11.9 17.9

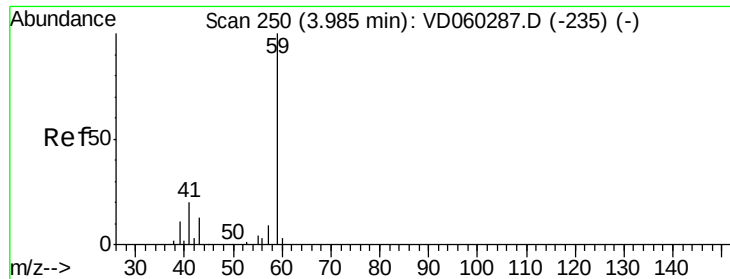


Abundance Ion 141.85 (141.55 to 142.55):

Ion 126.80 (126.50 to 127.50):

Ion 140.85 (140.55 to 141.55):



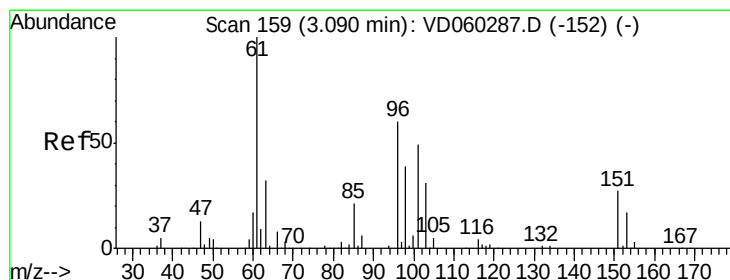
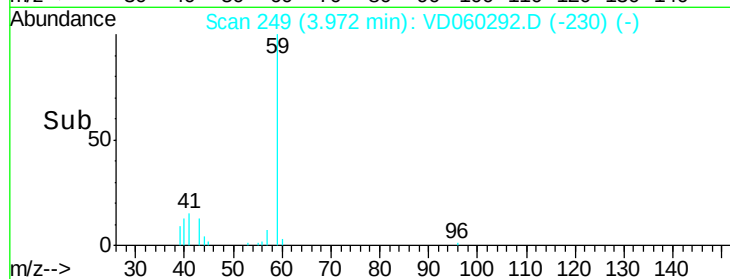
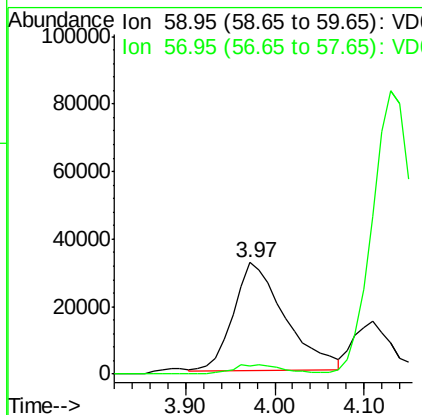
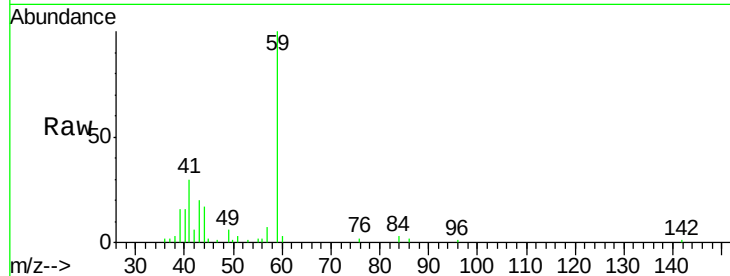


#11

Tert butyl alcohol
Concen: 250.73 ug/l
RT: 3.97 min Scan# 249
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Instrument :
MSVOA_D
ClientSampled :

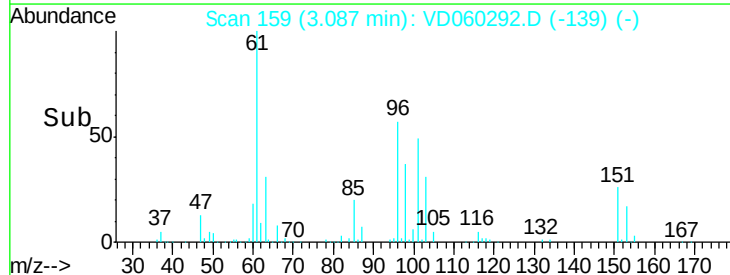
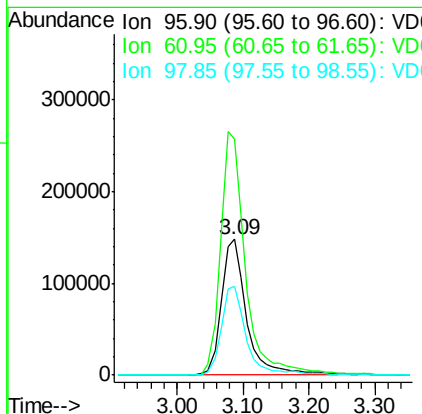
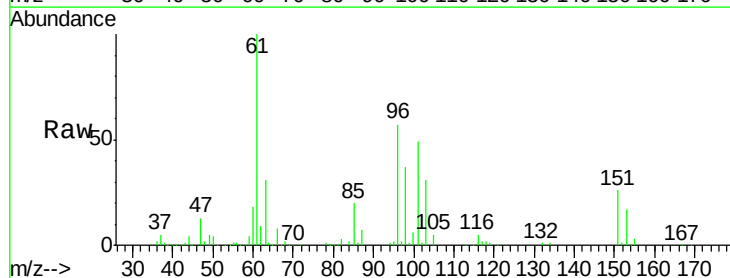
Tot Ion: 59 Resp: 128093
Ion Ratio Lower Upper
59 100
57 7.4 9.3 13.9#

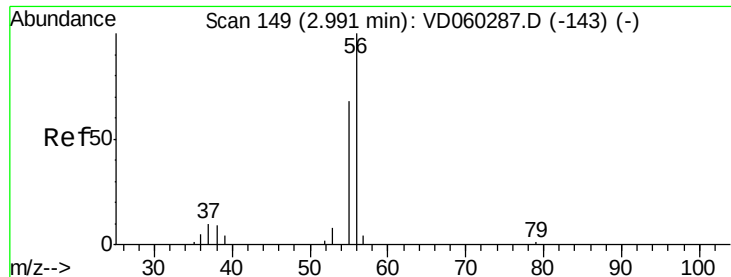


#12

1,1-Dichloroethene
Concen: 46.57 ug/l
RT: 3.09 min Scan# 159
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion: 96 Resp: 394849
Ion Ratio Lower Upper
96 100
61 174.1 142.2 213.4
98 64.9 52.6 79.0





#13

Acrolein

Concen: 223.03 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

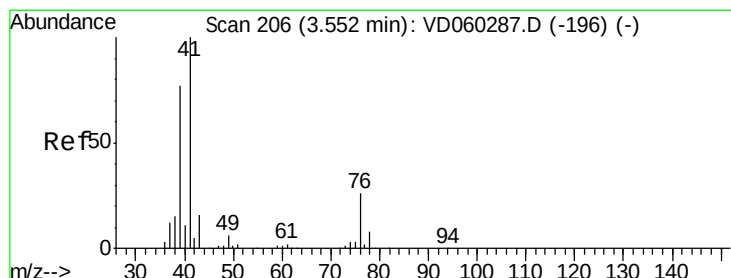
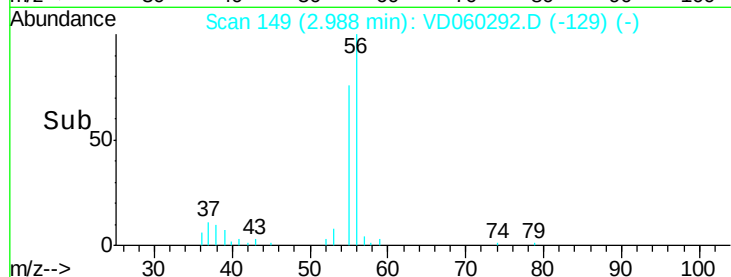
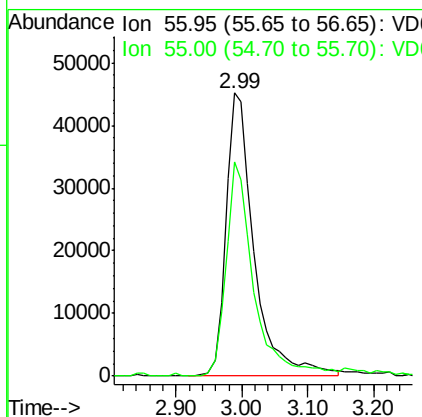
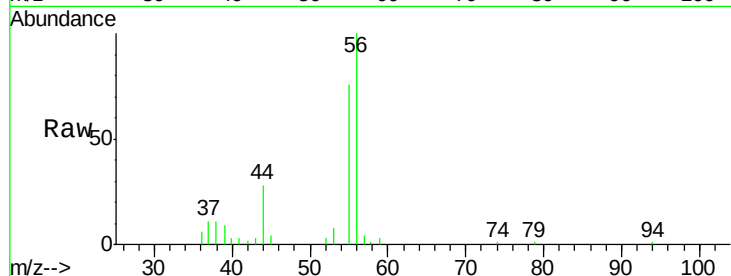
ClientSampled :

Tot Ion: 56 Resp: 134636

Ion Ratio Lower Upper

56 100

55 75.7 57.0 85.6



#14

Allyl chloride

Concen: 48.71 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

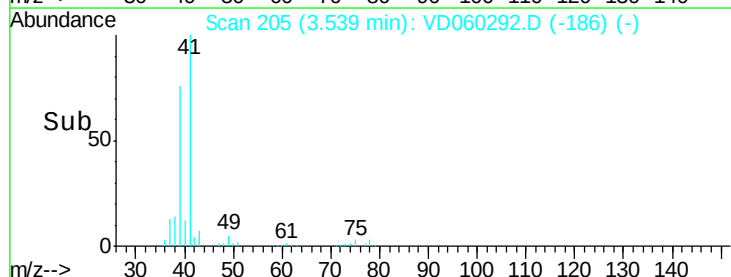
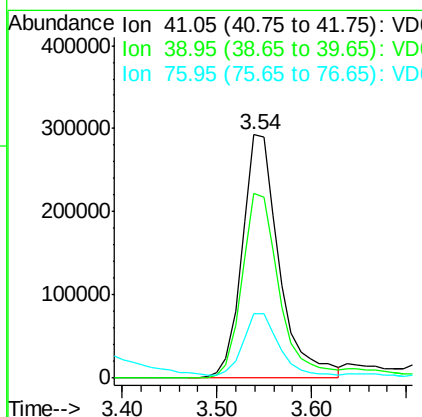
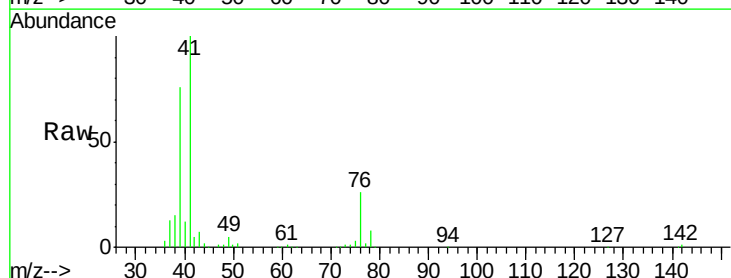
Tgt Ion: 41 Resp: 790194

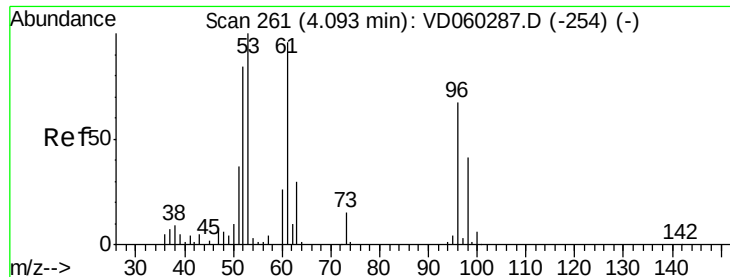
Ion Ratio Lower Upper

41 100

39 75.7 60.4 90.6

76 26.5 21.8 32.8





#15

Acrylonitrile

Concen: 242.97 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

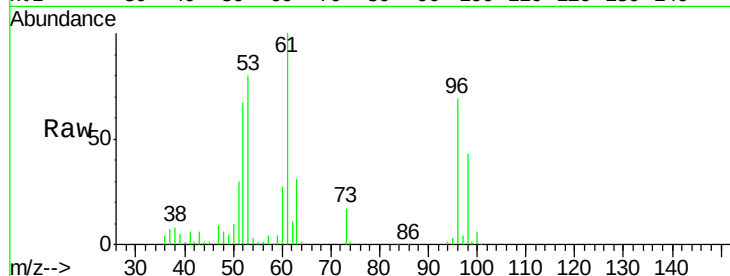
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 53 Resp: 723860

Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.0	100.4
51	37.1	29.9	44.9

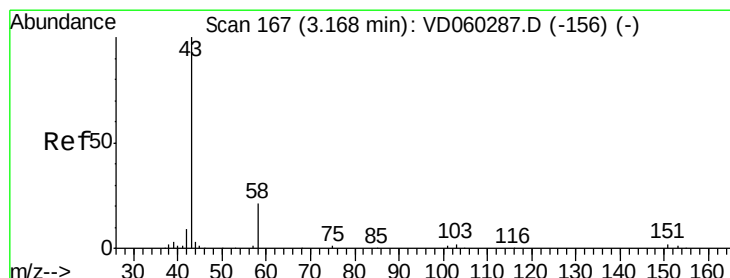
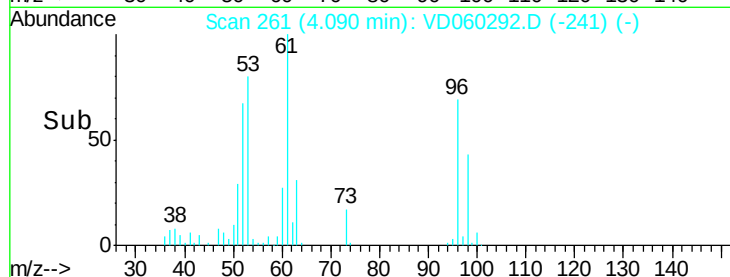
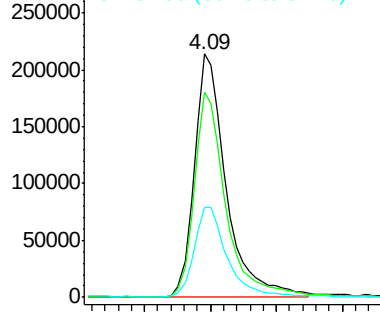


Abundance

Ion 53.00 (52.70 to 53.70): VD

Ion 52.00 (51.70 to 52.70): VD

Ion 51.00 (50.70 to 51.70): VD



#16

Acetone

Concen: 265.12 ug/l

RT: 3.17 min Scan# 167

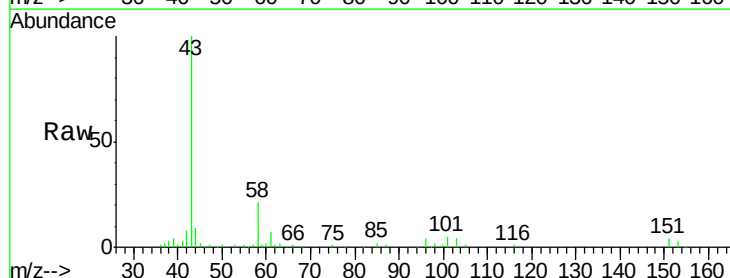
Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Tgt Ion: 43 Resp: 572136

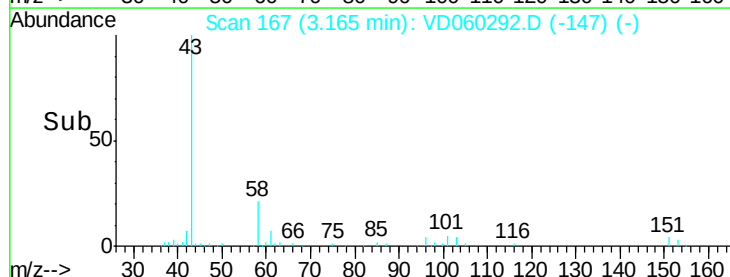
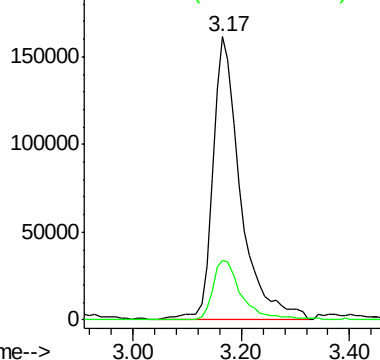
Ion	Ratio	Lower	Upper
43	100		
58	21.0	16.9	25.3

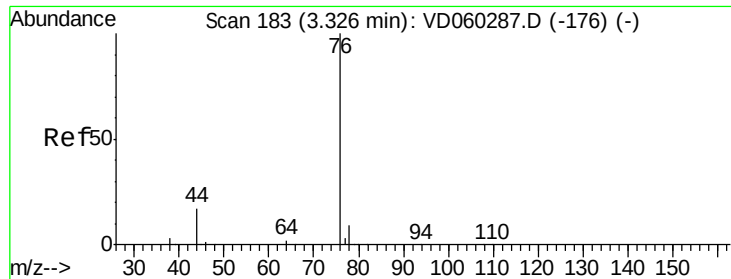


Abundance

Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD





#17

Carbon Disulfide

Concen: 46.96 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

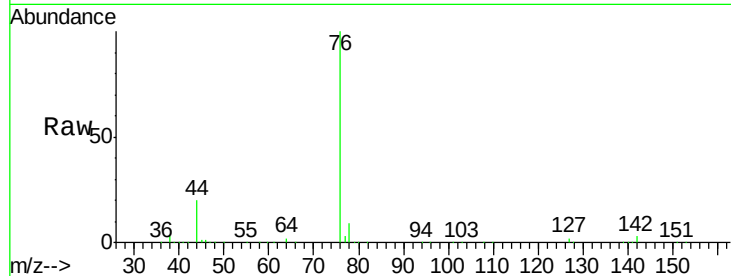
ClientSampleId :

Tot Ion: 76 Resp: 1284978

Ion Ratio Lower Upper

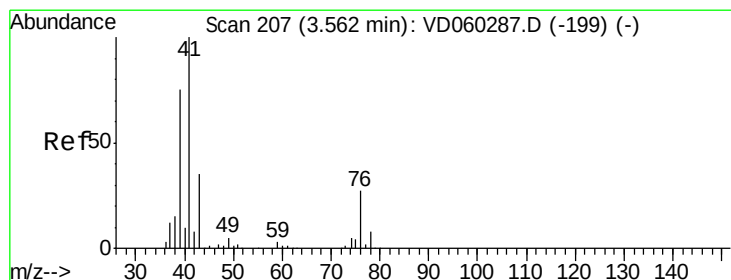
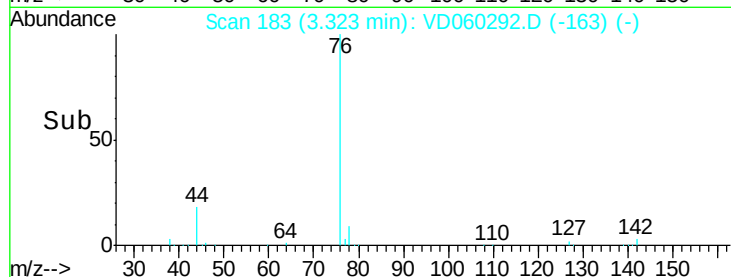
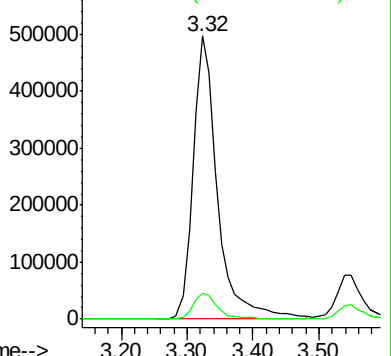
76 100

78 9.0 7.0 10.4



Abundance Ion 75.85 (75.55 to 76.55): VD

Ion 77.85 (77.55 to 78.55): VD



#18

Methyl Acetate

Concen: 47.15 ug/l

RT: 3.57 min Scan# 208

Delta R.T. 0.01 min

Lab File: VD060292.D

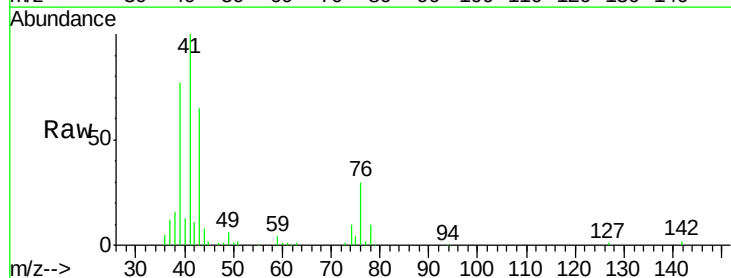
Acq: 7 Nov 2018 10:30

Tgt Ion: 43 Resp: 216969

Ion Ratio Lower Upper

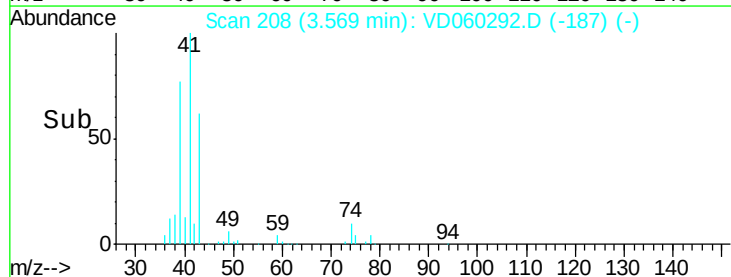
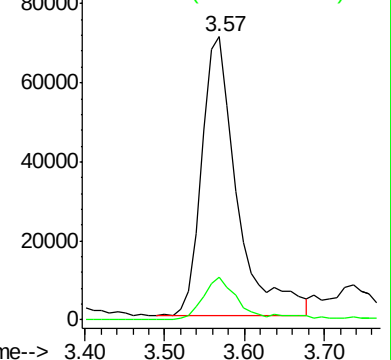
43 100

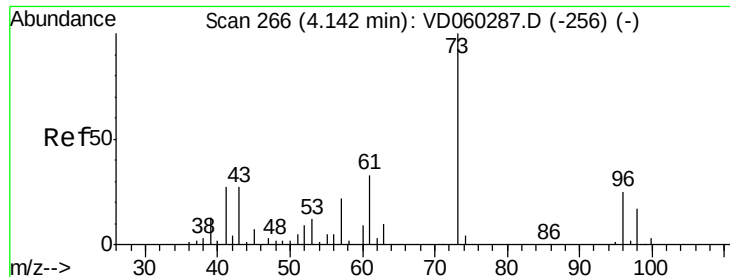
74 15.0 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 74.00 (73.70 to 74.70): VD

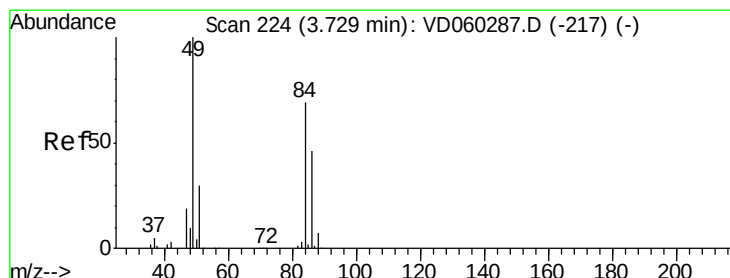
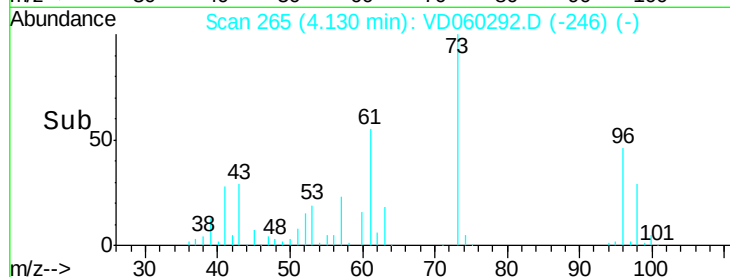
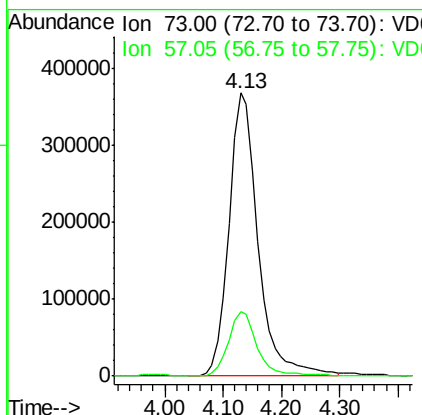
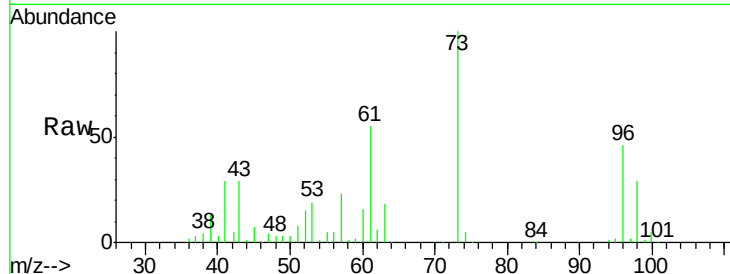




#19
Methyl tert-butyl Ether
Concen: 50.27 ug/l
RT: 4.13 min Scan# 265
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

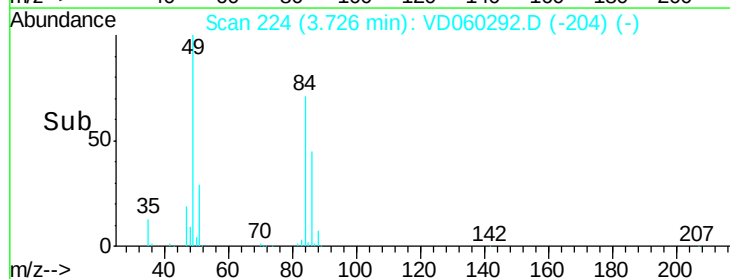
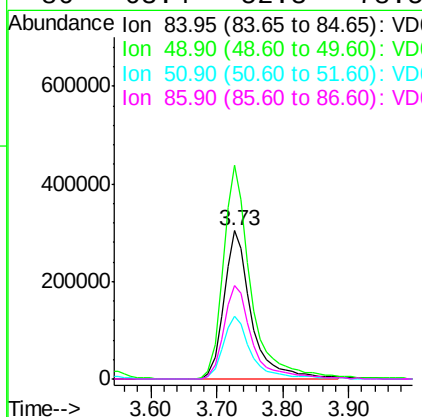
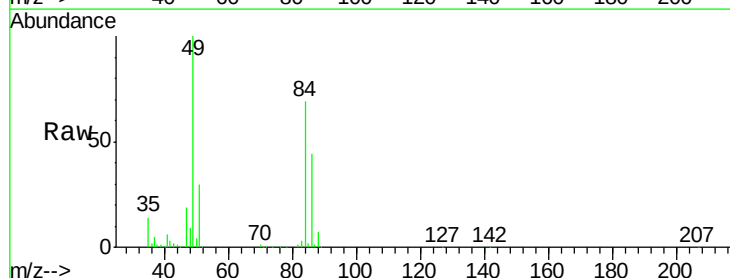
Instrument :
MSVOA_D
ClientSampled :

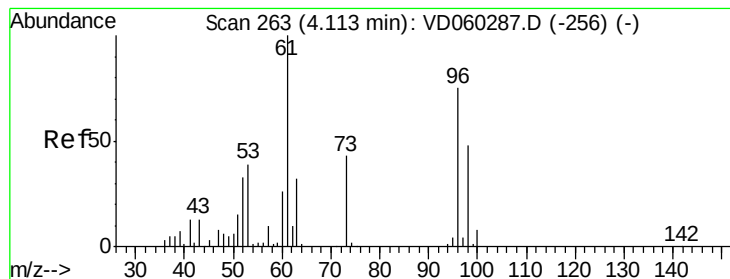
Tot Ion: 73 Resp: 1276267
Ion Ratio Lower Upper
73 100
57 22.8 18.1 27.1



#20
Methylene Chloride
Concen: 46.31 ug/l
RT: 3.73 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion: 84 Resp: 886522
Ion Ratio Lower Upper
84 100
49 144.1 115.6 173.4
51 42.6 35.6 53.4
86 63.4 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 50.85 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

ClientSampled :

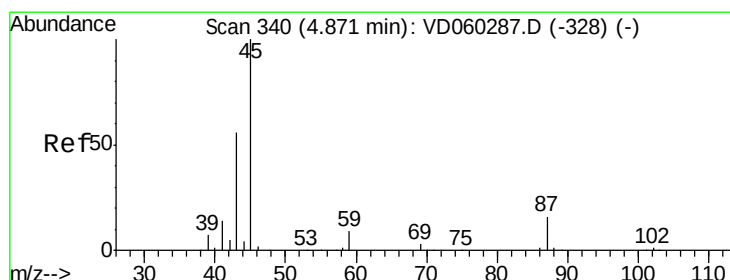
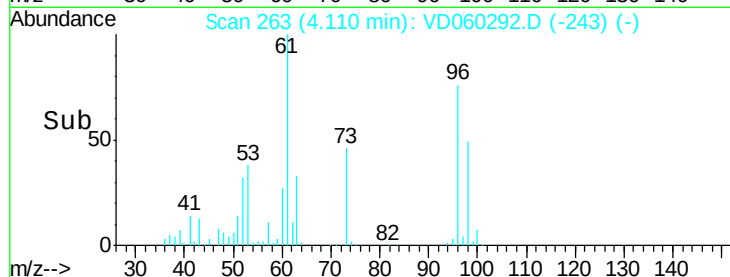
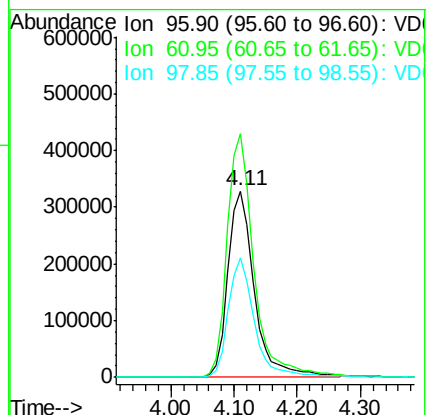
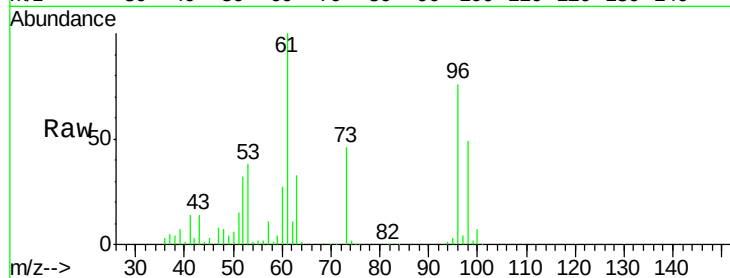
Tot Ion: 96 Resp: 957270

Ion Ratio Lower Upper

96 100

61 130.7 105.8 158.6

98 64.2 50.8 76.2



#22

Diisopropyl ether

Concen: 50.37 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Tgt Ion: 45 Resp: 3052775

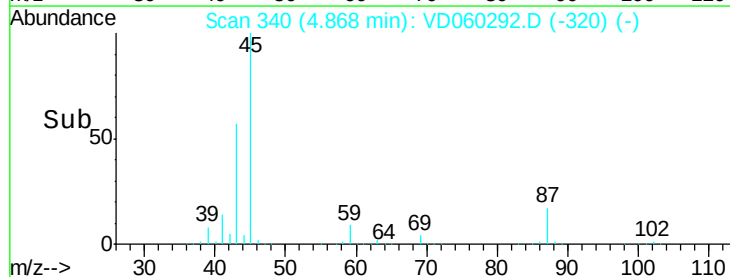
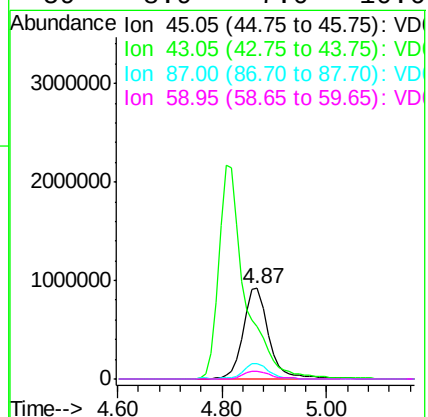
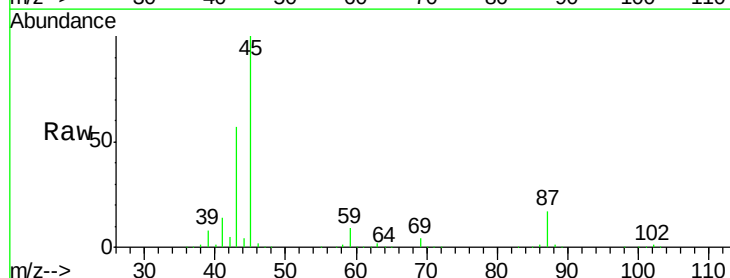
Ion Ratio Lower Upper

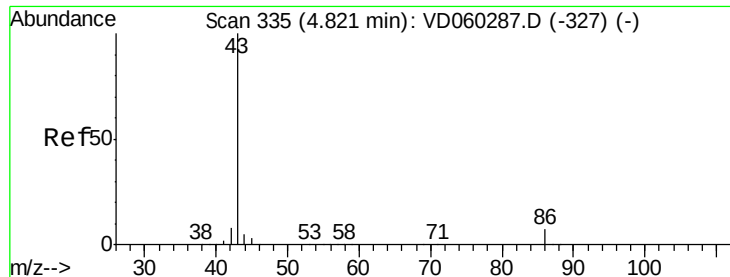
45 100

43 57.2 44.9 67.3

87 17.5 13.9 20.9

59 8.9 7.0 10.6





#23

Vinyl Acetate

Concen: 249.62 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

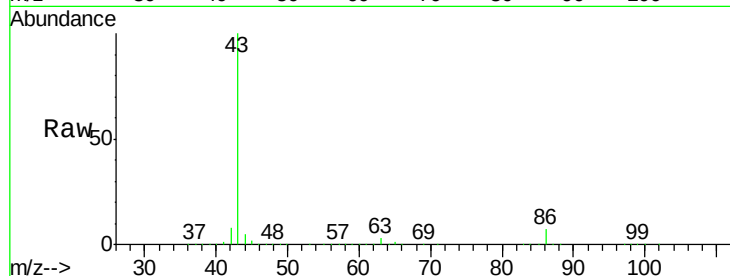
ClientSampled :

Tot Ion: 43 Resp: 7527646

Ion Ratio Lower Upper

43 100

86 6.7 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VD

2500000 Ion 86.00 (85.70 to 86.70): VD

2000000

1500000

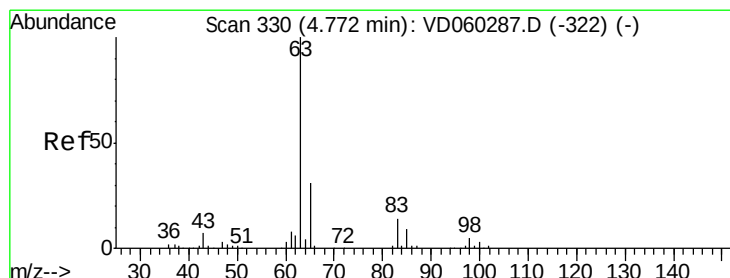
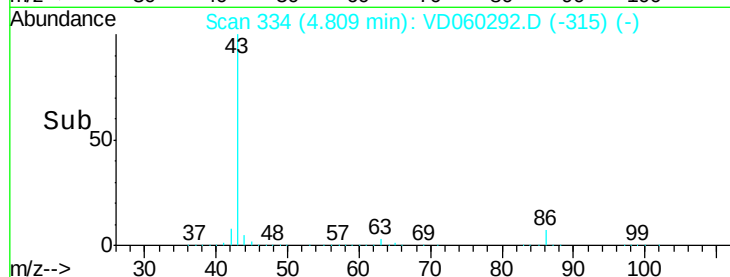
1000000

500000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 50.74 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

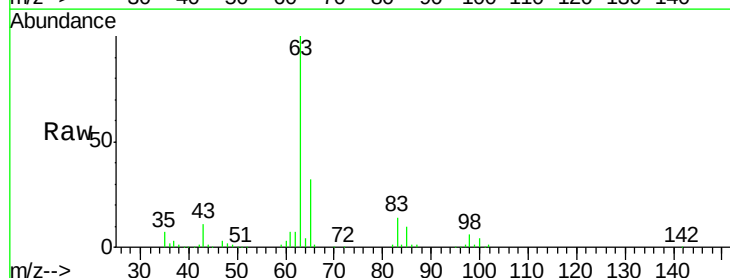
Tgt Ion: 63 Resp: 1576911

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

100 3.7 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 97.95 (97.65 to 98.65): VD

Ion 99.95 (99.65 to 100.65): VD

600000

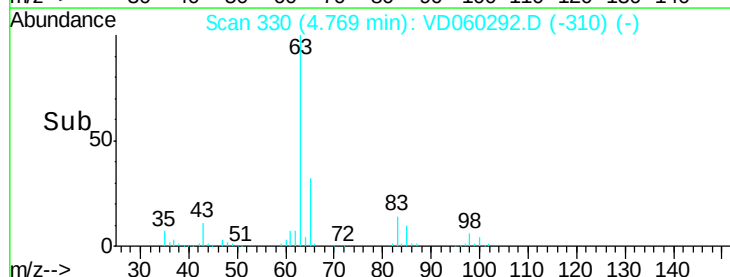
400000

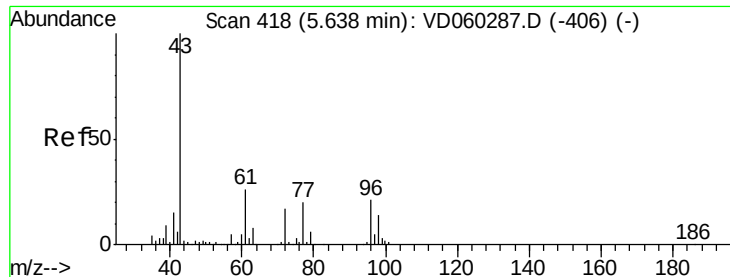
200000

0

4.60 4.70 4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 260.97 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

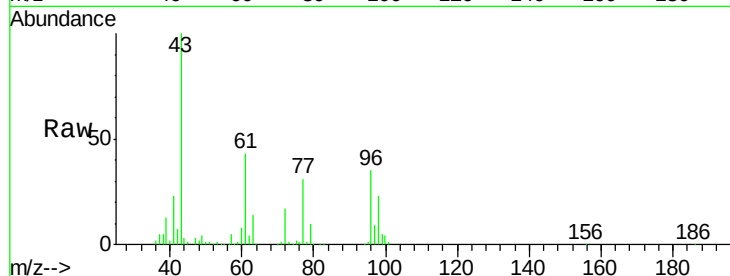
ClientSampled :

Tot Ion: 43 Resp: 1170637

Ion Ratio Lower Upper

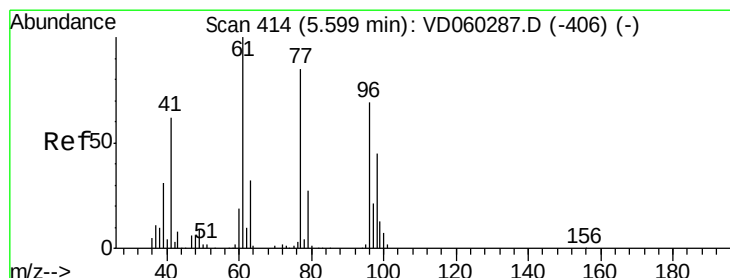
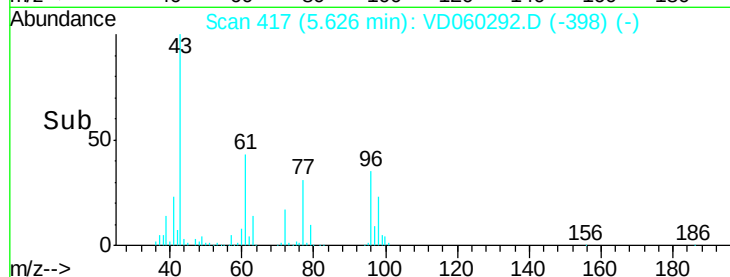
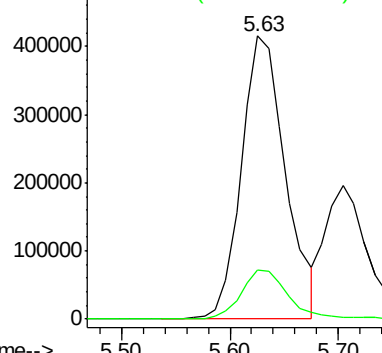
43 100

72 17.2 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 72.00 (71.70 to 72.70): VD



#26

2,2-Dichloropropane

Concen: 53.38 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060292.D

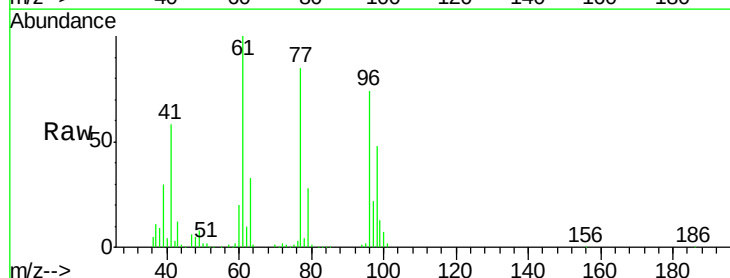
Acq: 7 Nov 2018 10:30

Tgt Ion: 77 Resp: 1289905

Ion Ratio Lower Upper

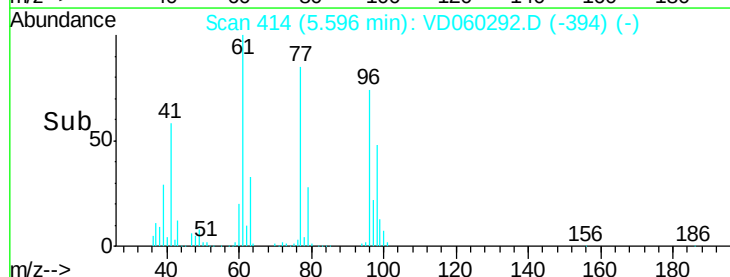
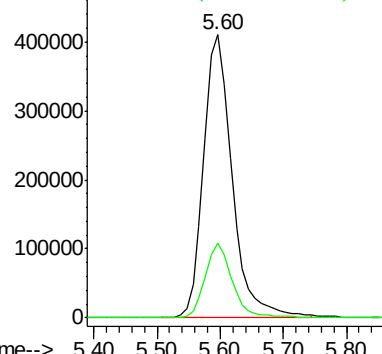
77 100

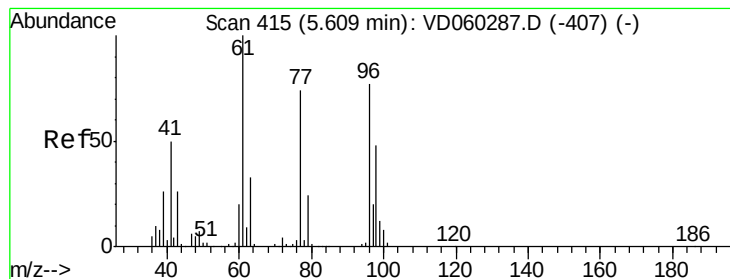
97 26.2 12.6 37.8



Abundance Ion 76.95 (76.65 to 77.65): VD

Ion 96.85 (96.55 to 97.55): VD





#27

cis-1,2-Dichloroethene

Concen: 52.07 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

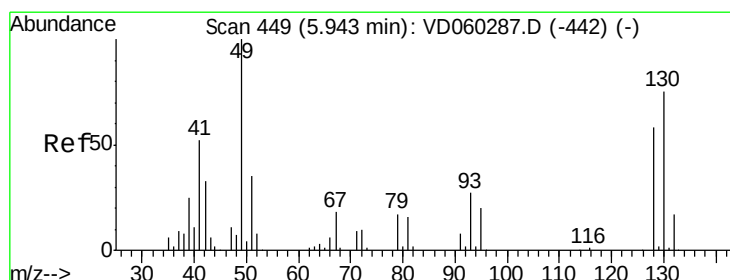
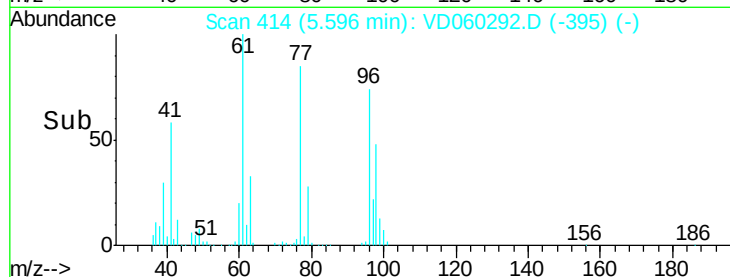
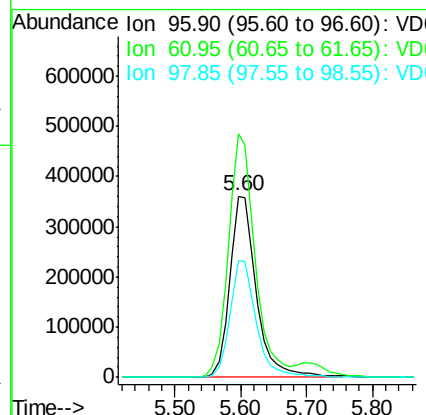
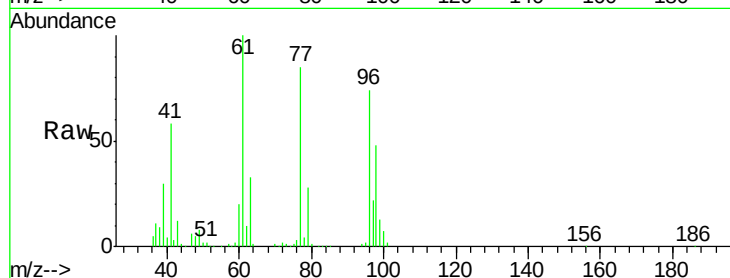
Tot Ion: 96 Resp: 1021110

Ion	Ratio	Lower	Upper
96	100		
61	134.6	0.0	259.0
98	64.4	0.0	128.8

96 100

61 134.6 0.0 259.0

98 64.4 0.0 128.8



#28

Bromochloromethane

Concen: 49.79 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

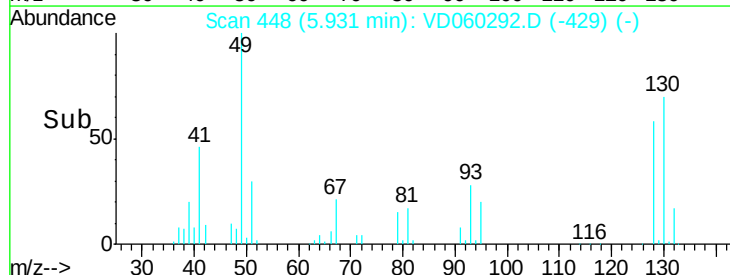
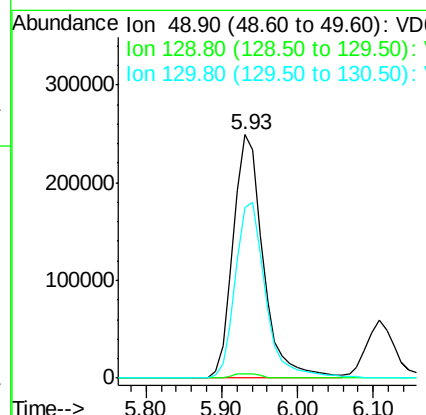
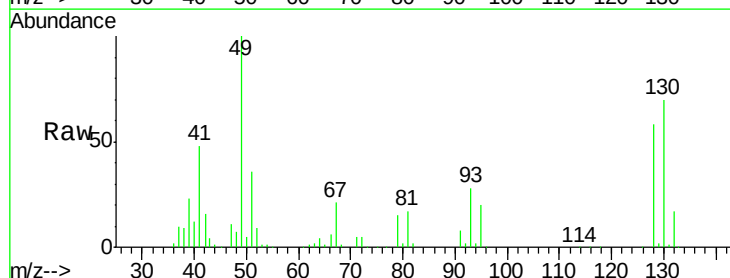
Tgt Ion: 49 Resp: 682749

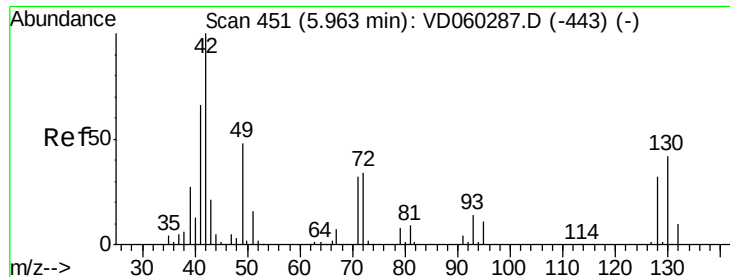
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.8
130	70.0	53.6	80.4

49 100

129 1.9 0.0 2.8

130 70.0 53.6 80.4

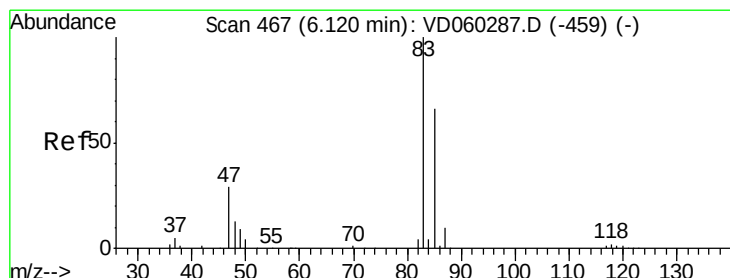
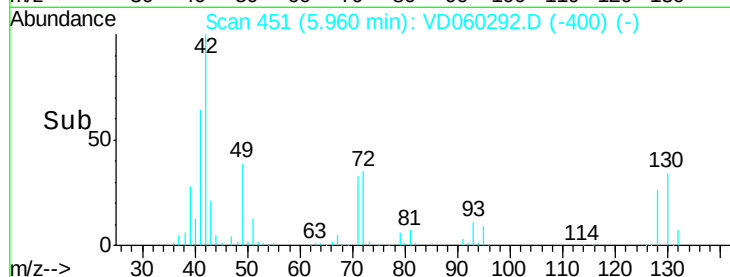
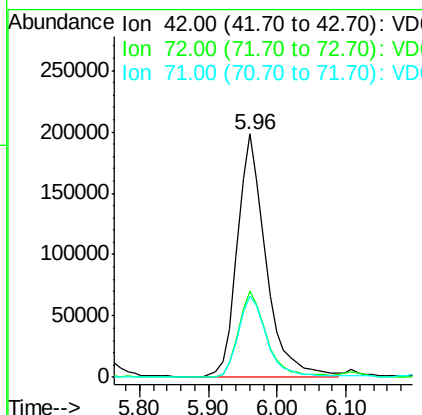
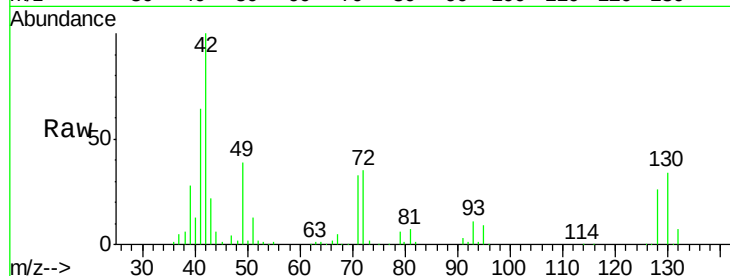




#29
Tetrahydrofuran
Concen: 239.57 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

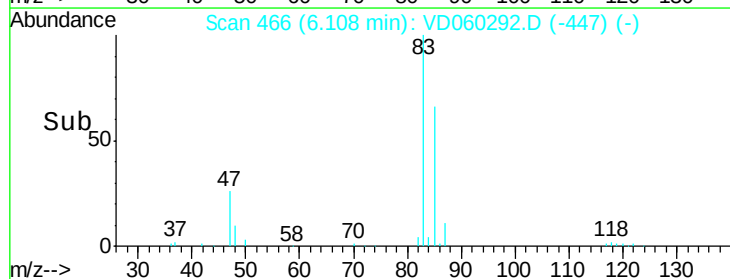
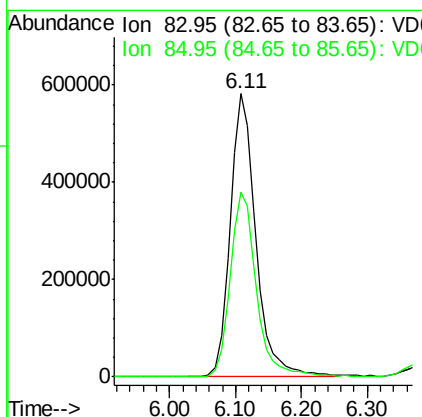
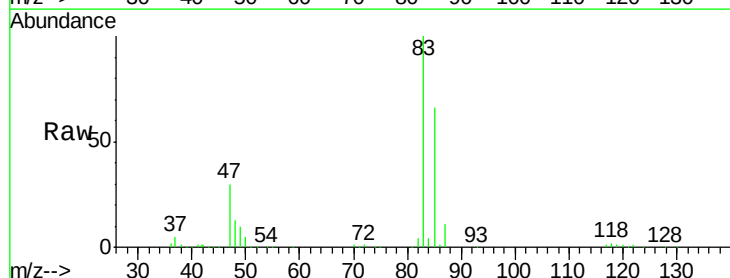
Instrument :
MSVOA_D
ClientSampleId :

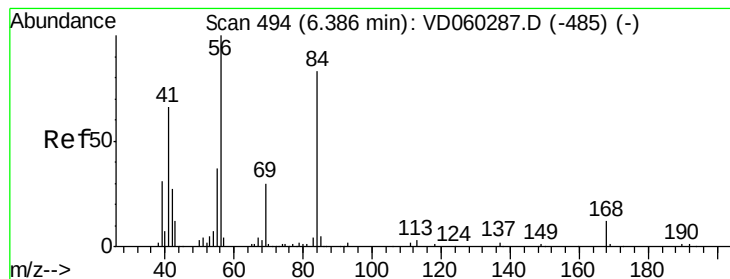
Tot Ion: 42 Resp: 566586
Ion Ratio Lower Upper
42 100
72 35.0 27.6 41.4
71 33.7 26.5 39.7



#30
Chloroform
Concen: 51.14 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion: 83 Resp: 1589012
Ion Ratio Lower Upper
83 100
85 65.5 52.5 78.7





#31

Cyclohexane

Concen: 48.68 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

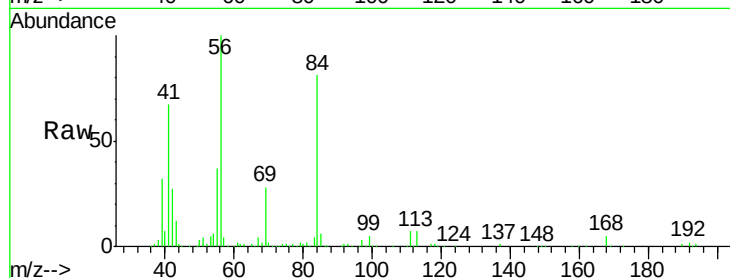
Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 1446018

Ion	Ratio	Lower	Upper
56	100		
69	28.3	22.2	33.2
84	80.9	63.0	94.4

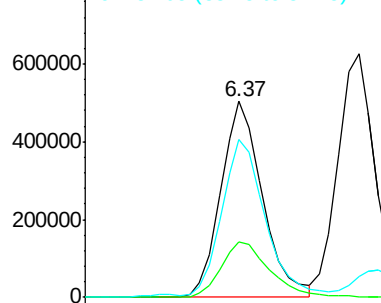


Abundance

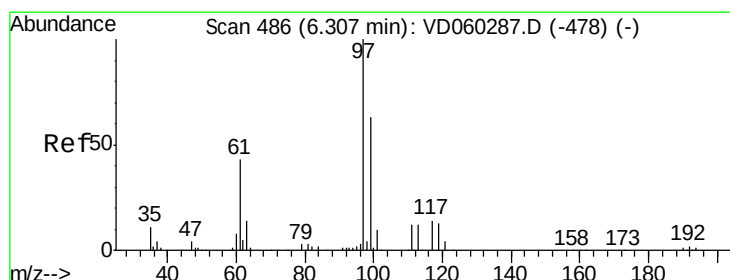
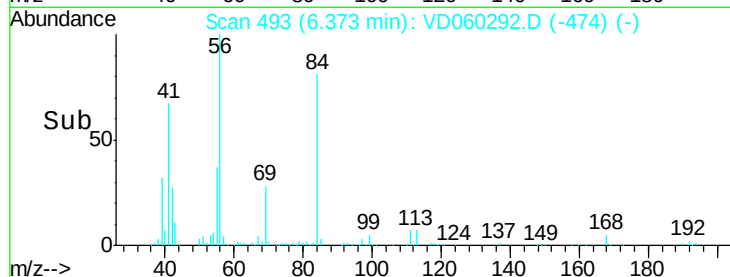
Ion 55.95 (55.65 to 56.65): VD

Ion 69.00 (68.70 to 69.70): VD

Ion 84.05 (83.75 to 84.75): VD



Time-->



#32

1,1,1-Trichloroethane

Concen: 51.88 ug/l

RT: 6.29 min Scan# 485

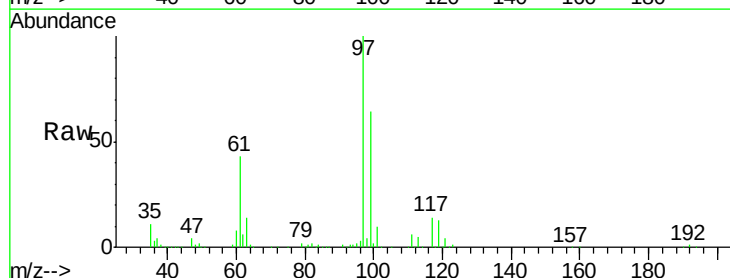
Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Tgt Ion: 97 Resp: 1357850

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.5	77.3
61	43.4	35.8	53.8

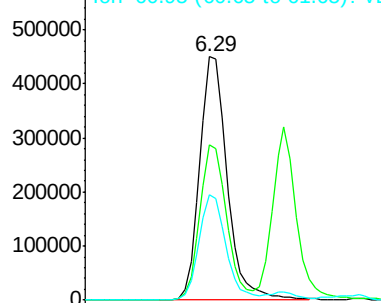


Abundance

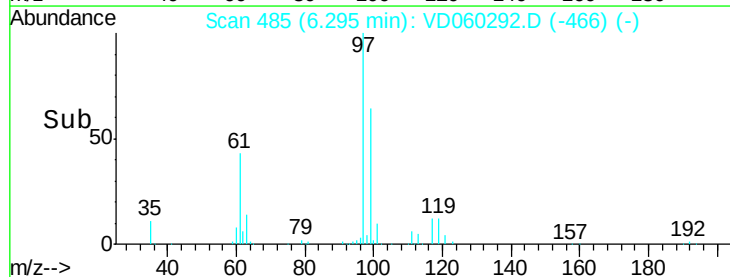
Ion 96.85 (96.55 to 97.55): VD

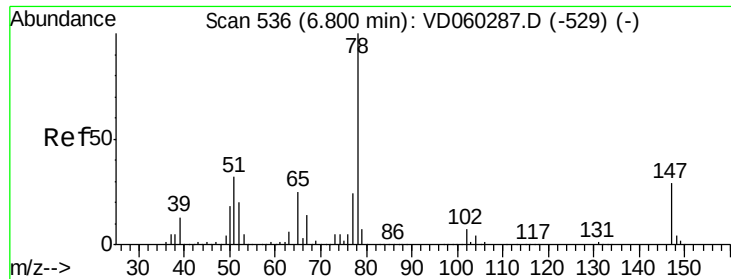
Ion 98.85 (98.55 to 99.55): VD

Ion 60.95 (60.65 to 61.65): VD



Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.88 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

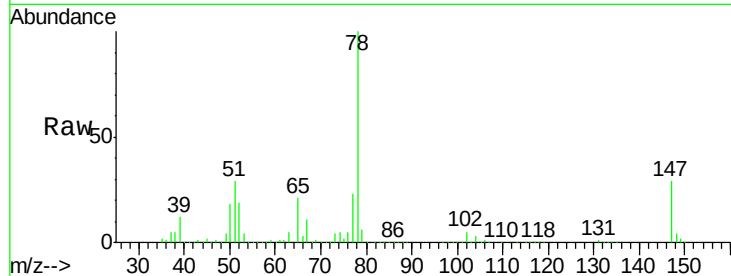
ClientSampled :

Tot Ion: 65 Resp: 609415

Ion Ratio Lower Upper

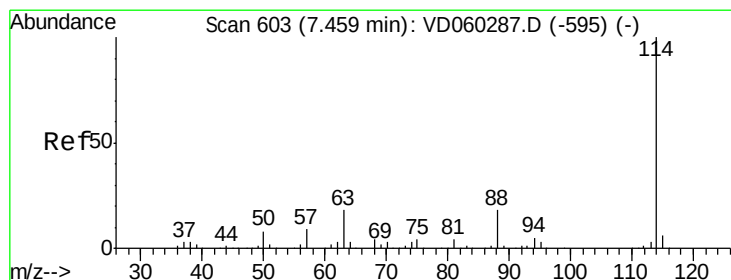
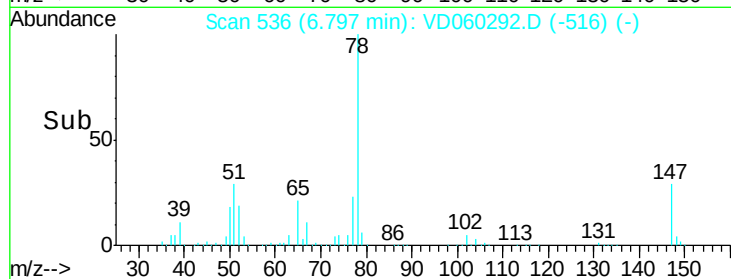
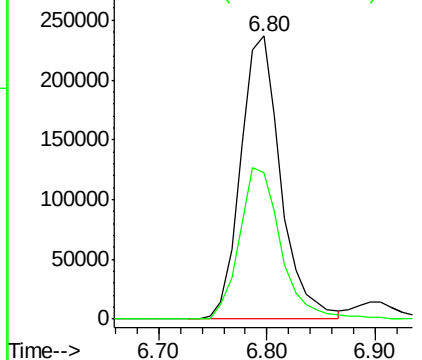
65 100

67 51.7 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VD

Ion 66.90 (66.60 to 67.60): VD



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

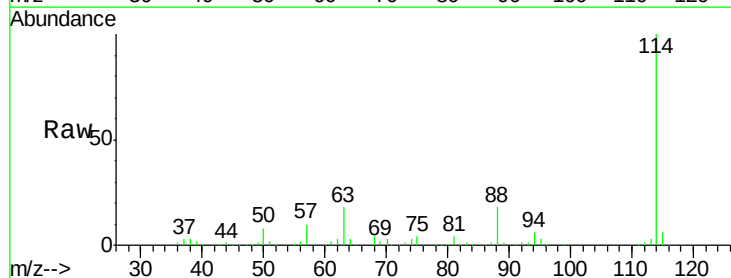
Tgt Ion: 114 Resp: 2354740

Ion Ratio Lower Upper

114 100

63 17.9 0.0 34.0

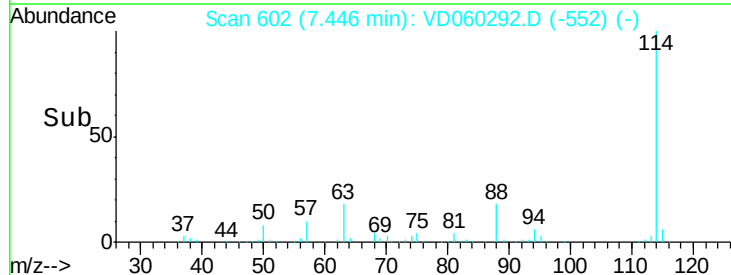
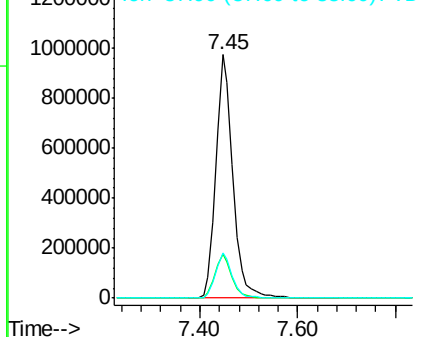
88 18.4 0.0 35.4

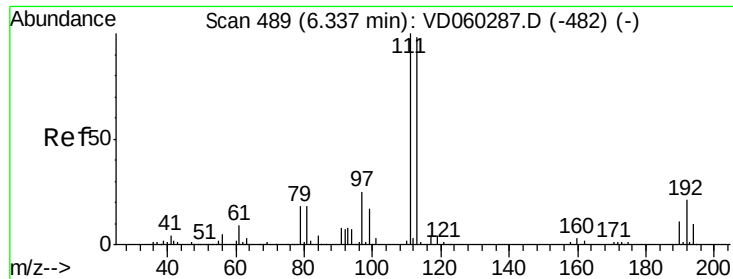


Abundance Ion 114.00 (113.70 to 114.70):

Ion 62.95 (62.65 to 63.65): VD

Ion 87.90 (87.60 to 88.60): VD

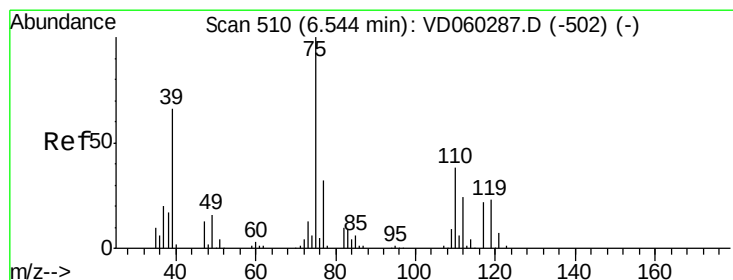
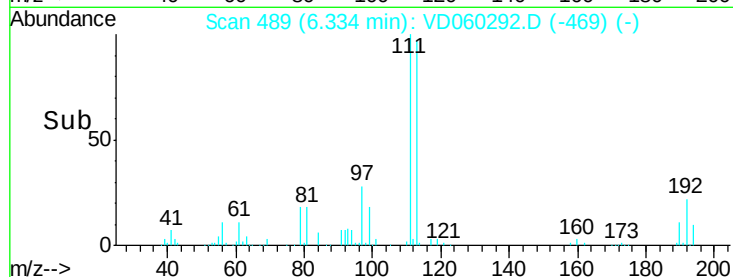
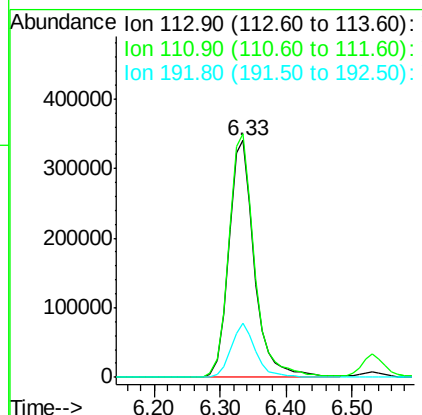
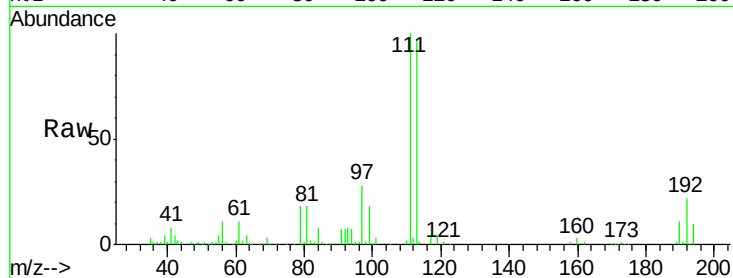




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.33 min Scan# 489
 Delta R.T. -0.00 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

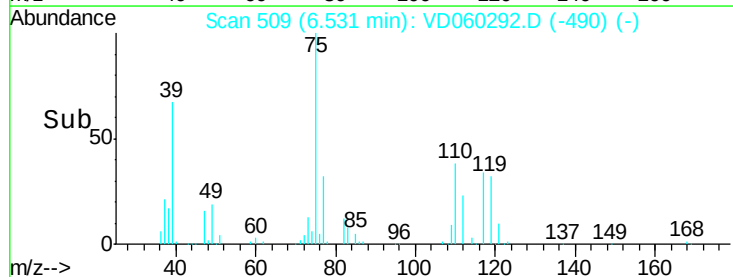
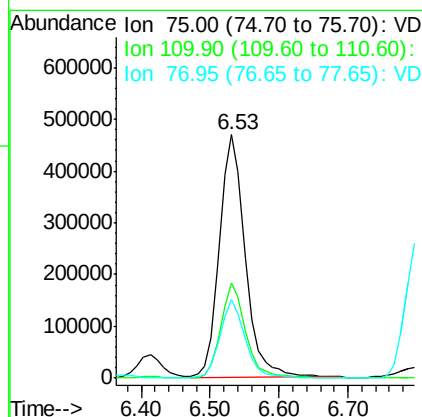
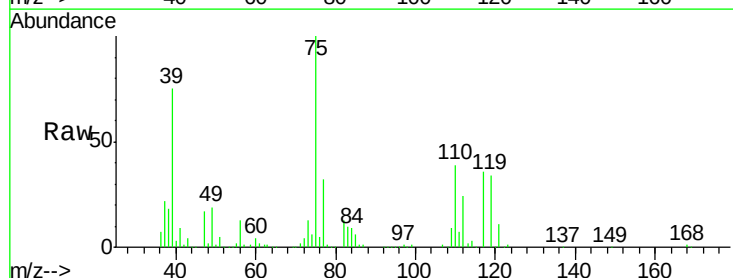
Instrument :
 MSVOA_D
 ClientSampleId :

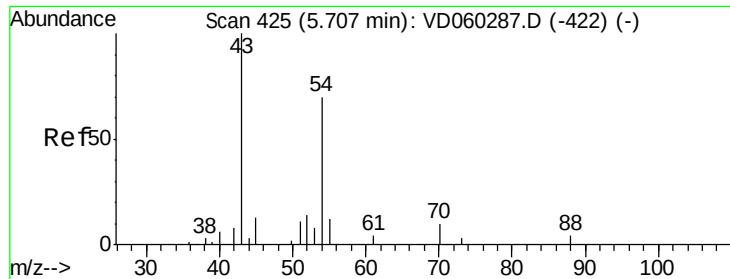
Tot Ion:113 Resp: 925331
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.6 122.4
 192 22.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 51.99 ug/l
 RT: 6.53 min Scan# 509
 Delta R.T. -0.01 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

Tgt Ion: 75 Resp: 1209545
 Ion Ratio Lower Upper
 75 100
 110 38.9 18.0 54.0
 77 32.1 25.6 38.4

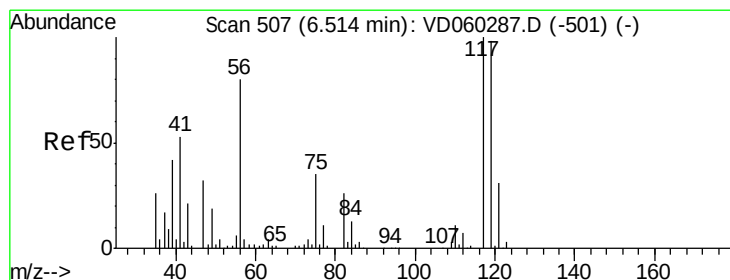
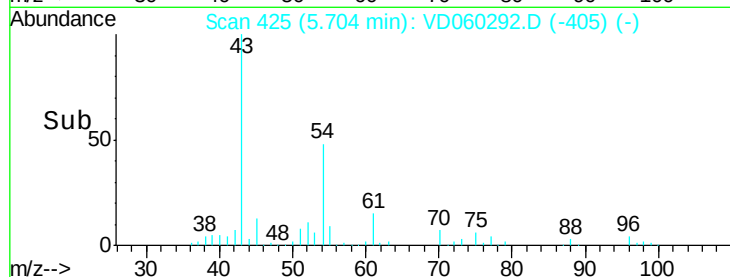
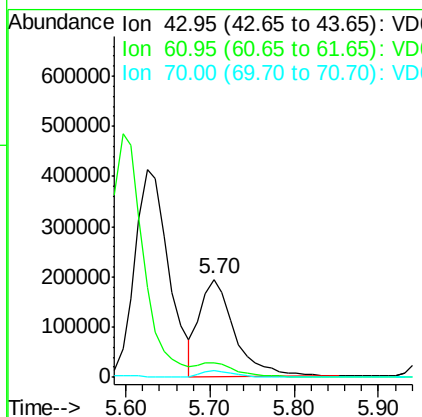
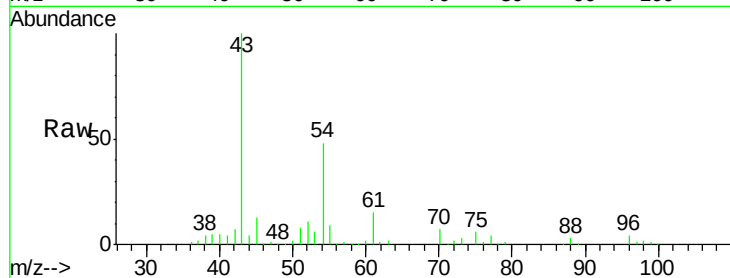




#37
Ethyl Acetate
Concen: 51.94 ug/l
RT: 5.70 min Scan# 425
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

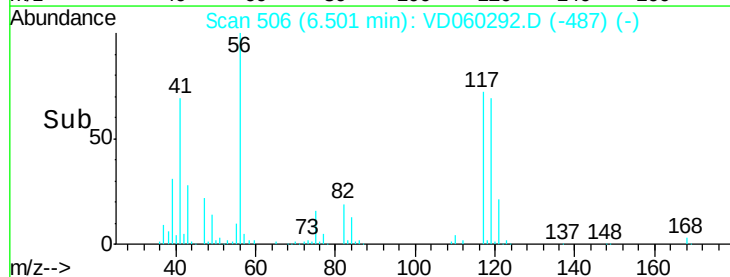
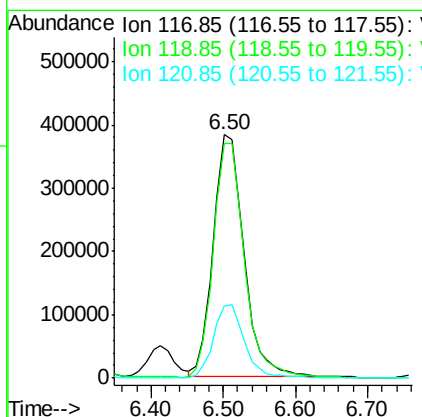
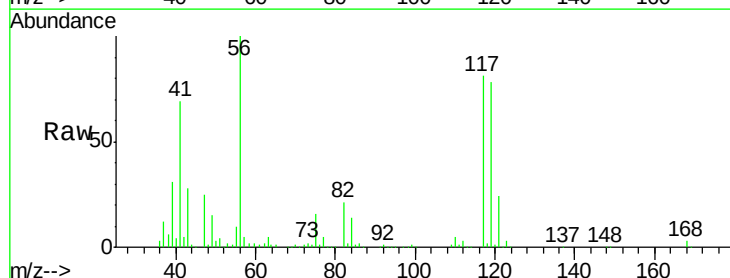
Instrument :
MSVOA_D
ClientSampled :

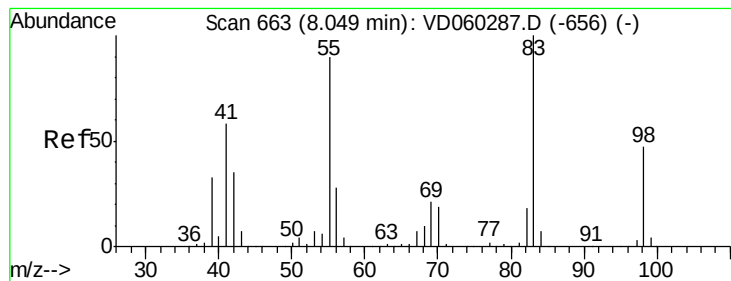
Tot Ion: 43 Resp: 556035
Ion Ratio Lower Upper
43 100
61 14.7 11.8 17.6
70 6.7 6.2 9.4



#38
Carbon Tetrachloride
Concen: 52.03 ug/l
RT: 6.50 min Scan# 506
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion: 117 Resp: 1122758
Ion Ratio Lower Upper
117 100
119 96.4 76.6 115.0
121 29.6 24.3 36.5





#39

Methylvlcyclohexane

Concen: 52.83 ug/l

RT: 8.05 min Scan# 663

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

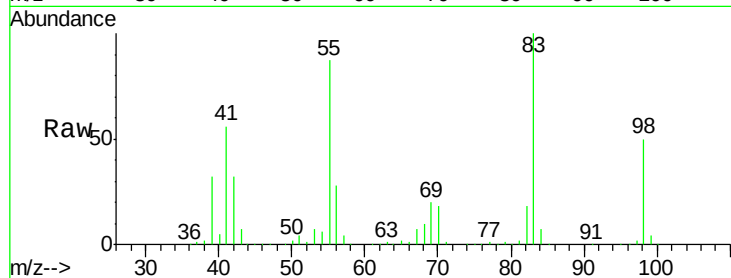
Tot Ion: 83 Resp: 1413643

Ion Ratio Lower Upper

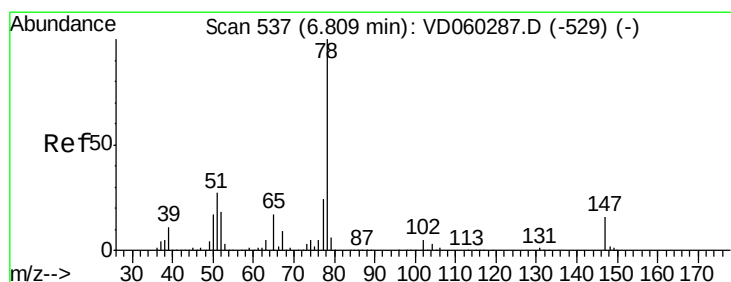
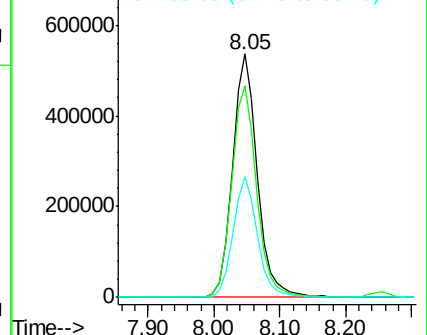
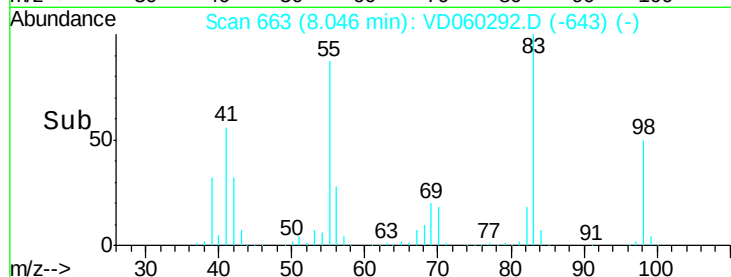
83 100

55 87.1 71.2 106.8

98 49.5 38.4 57.6



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



#40

Benzene

Concen: 51.53 ug/l

RT: 6.81 min Scan# 537

Delta R.T. -0.00 min

Lab File: VD060292.D

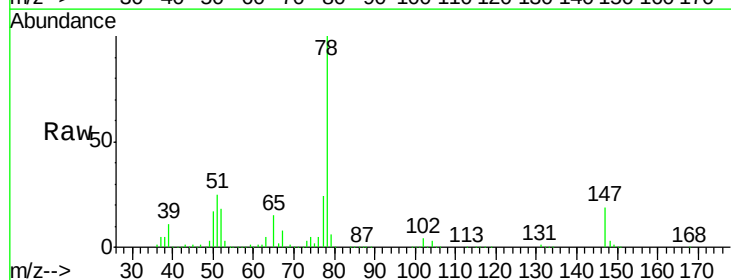
Acq: 7 Nov 2018 10:30

Tgt Ion: 78 Resp: 3059946

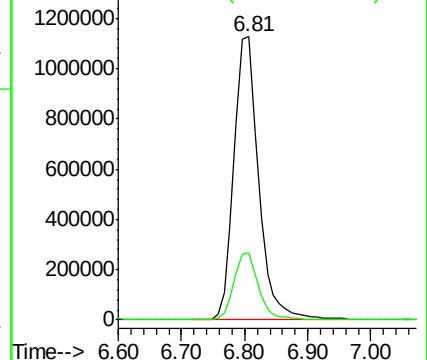
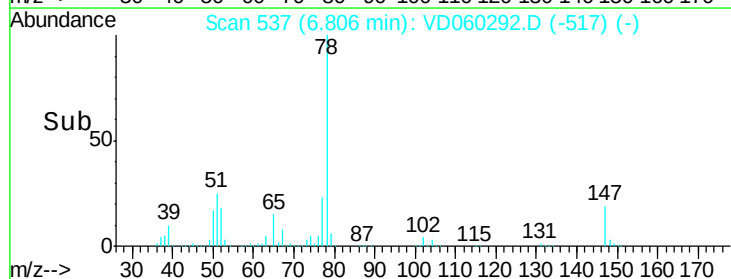
Ion Ratio Lower Upper

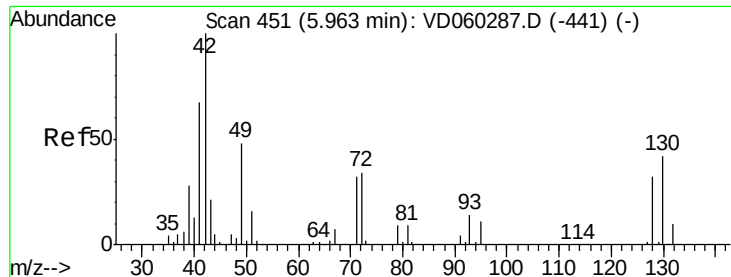
78 100

77 23.8 18.8 28.2



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





#41

Methacrylonitrile

Concen: 49.85 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 610831

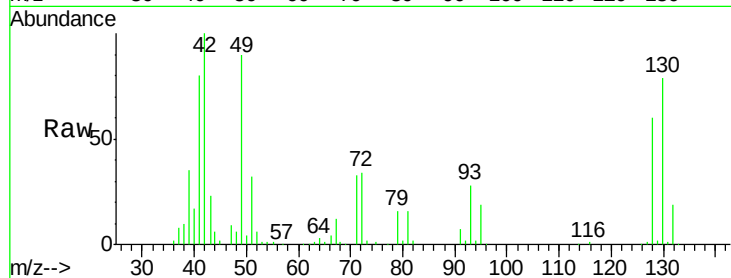
Ion Ratio Lower Upper

41 100

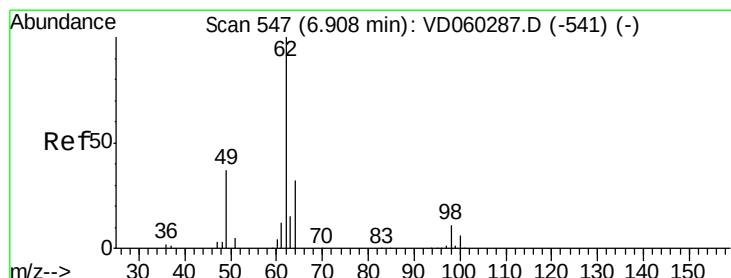
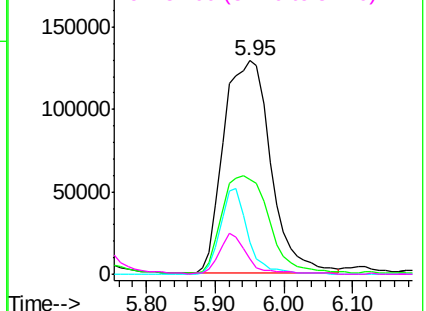
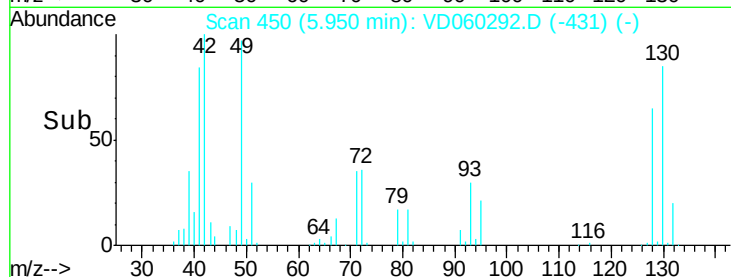
39 44.2 36.2 54.2

67 14.8 11.9 17.9

52 6.9 5.2 7.8



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



#42

1,2-Dichloroethane

Concen: 51.70 ug/l

RT: 6.90 min Scan# 547

Delta R.T. -0.00 min

Lab File: VD060292.D

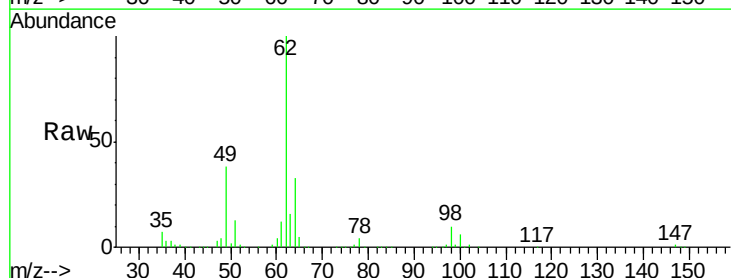
Acq: 7 Nov 2018 10:30

Tgt Ion: 62 Resp: 803574

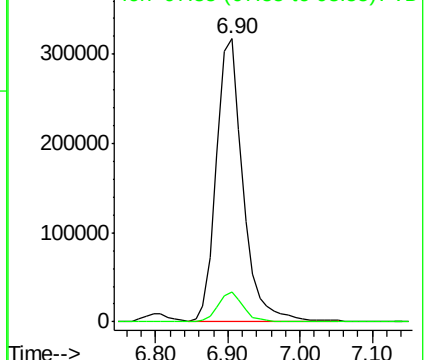
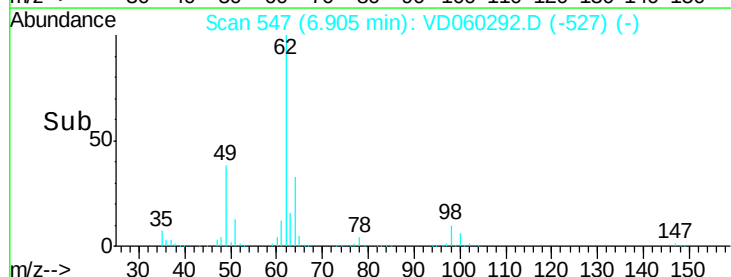
Ion Ratio Lower Upper

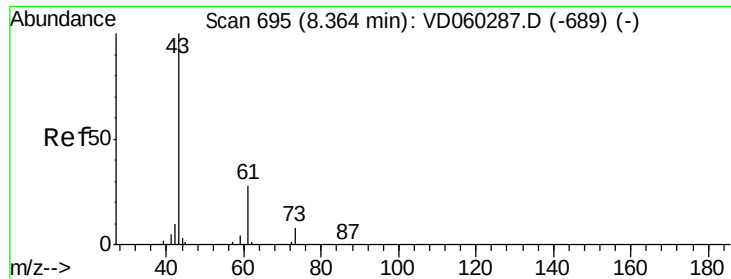
62 100

98 10.4 0.0 22.0



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





#43

Isopropyl Acetate

Concen: 51.93 ug/l

RT: 8.35 min Scan# 694

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

ClientSampleId :

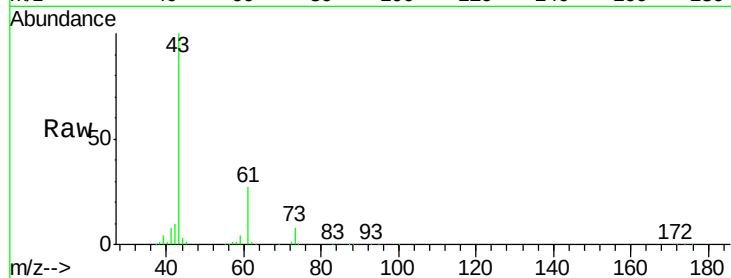
Tot Ion: 43 Resp: 698277

Ion Ratio Lower Upper

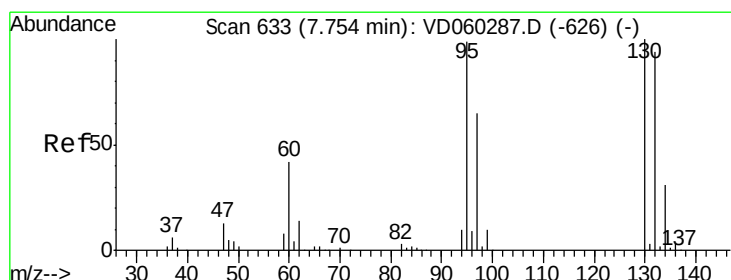
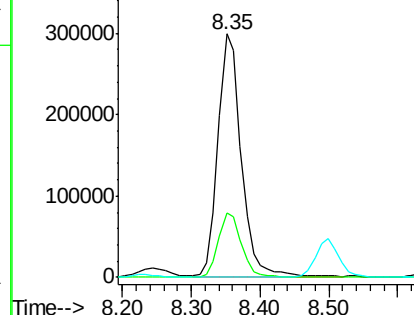
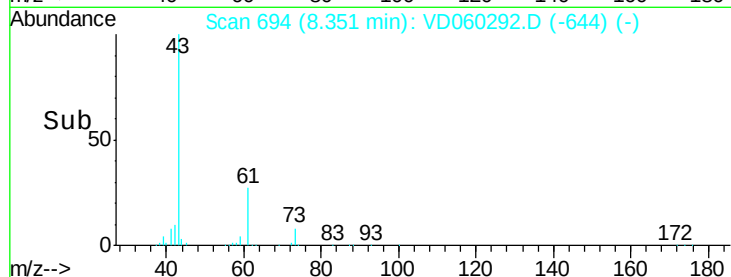
43 100

61 26.5 22.3 33.5

87 0.3 0.2 0.2#



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



#44

Trichloroethene

Concen: 53.86 ug/l

RT: 7.74 min Scan# 632

Delta R.T. -0.01 min

Lab File: VD060292.D

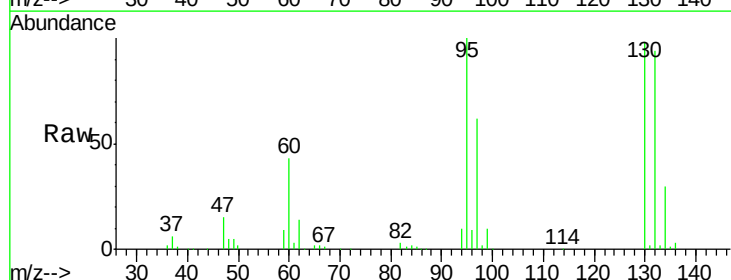
Acq: 7 Nov 2018 10:30

Tgt Ion:130 Resp: 969485

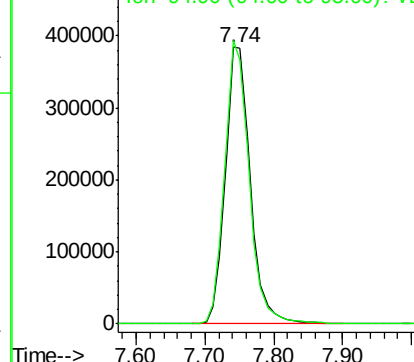
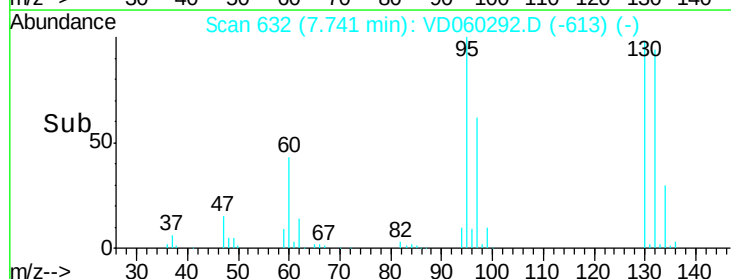
Ion Ratio Lower Upper

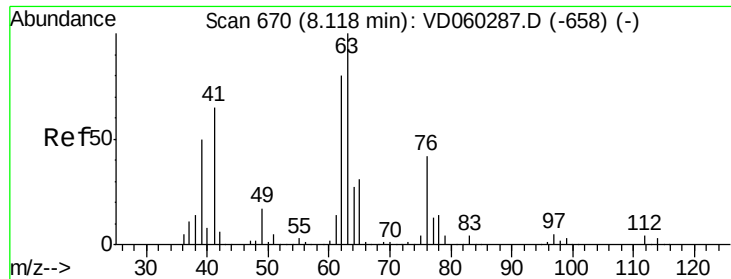
130 100

95 102.4 0.0 200.0



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

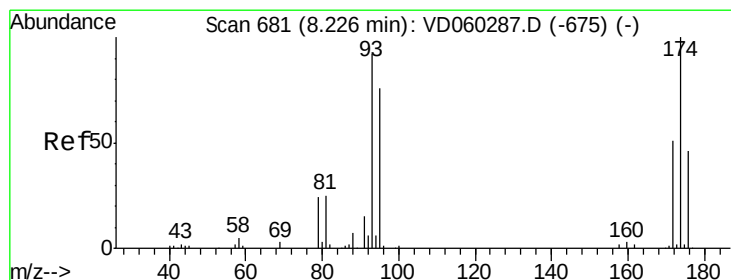
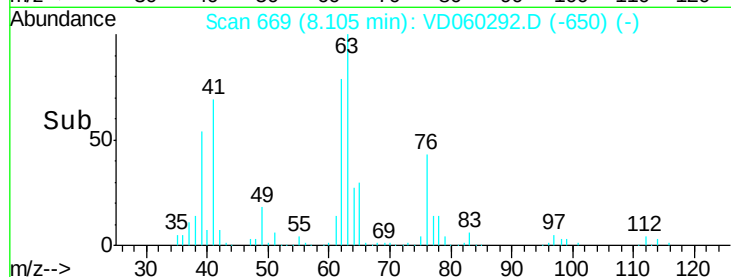
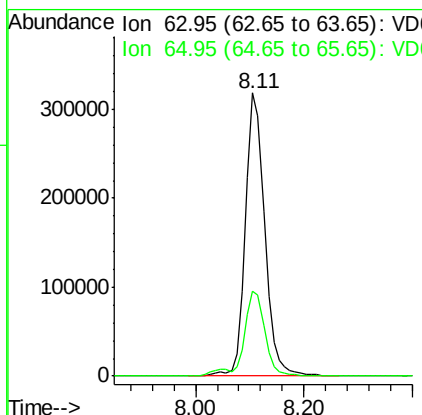
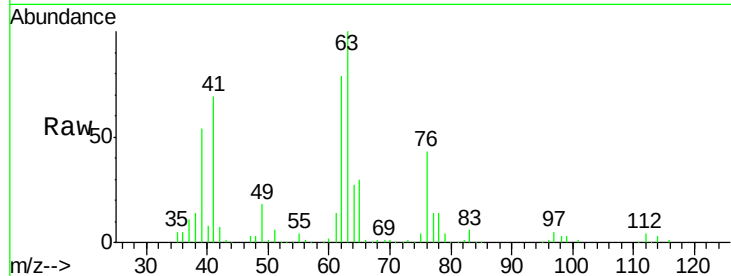




#45
 1,2-Dichloropropane
 Concen: 52.98 ug/l
 RT: 8.11 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

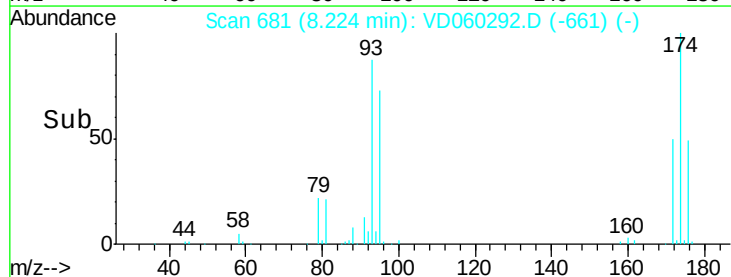
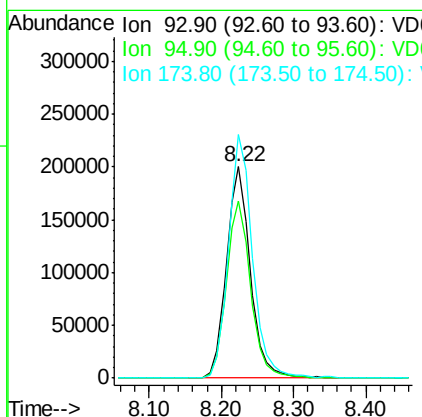
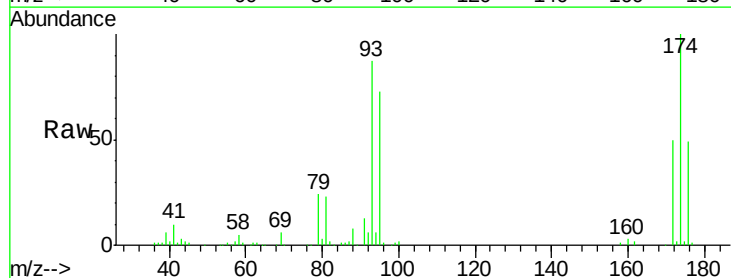
Instrument :
 MSVOA_D
 ClientSampled :

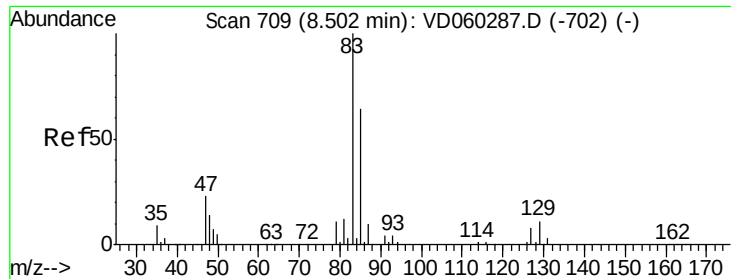
Tot Ion: 63 Resp: 793516
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.4 35.2



#46
 Dibromomethane
 Concen: 52.41 ug/l
 RT: 8.22 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

Tgt Ion: 93 Resp: 459743
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.4 99.6
 174 115.3 87.8 131.8





#47

Bromodichloromethane

Concen: 52.85 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

ClientSampled :

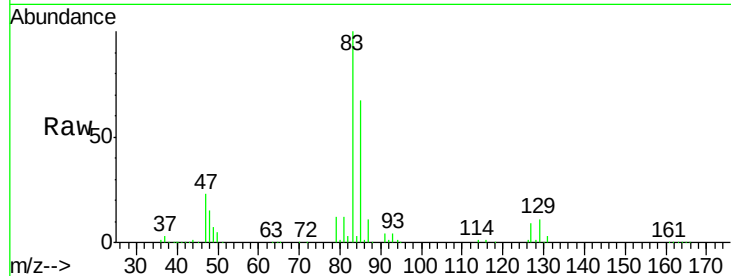
Tot Ion: 83 Resp: 1092509

Ion Ratio Lower Upper

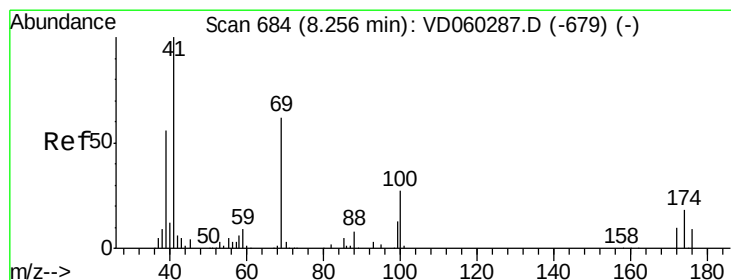
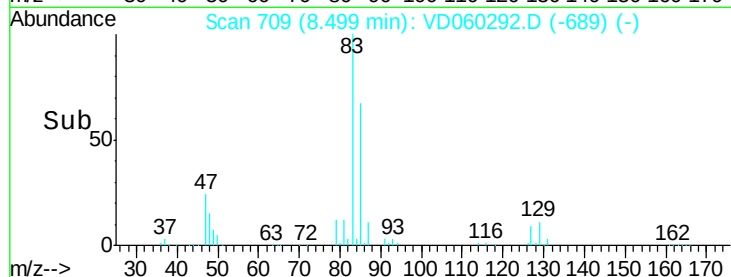
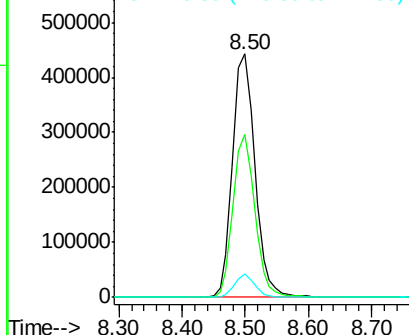
83 100

85 66.9 51.0 76.6

127 9.5 6.2 9.4#



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



#48

Methyl methacrylate

Concen: 53.06 ug/l

RT: 8.25 min Scan# 684

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

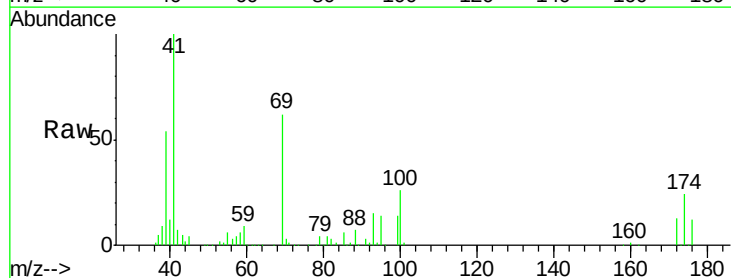
Tgt Ion: 41 Resp: 433391

Ion Ratio Lower Upper

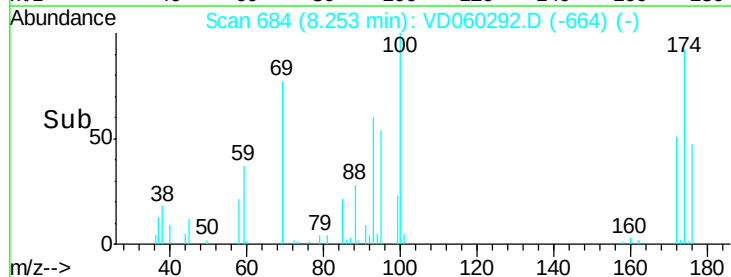
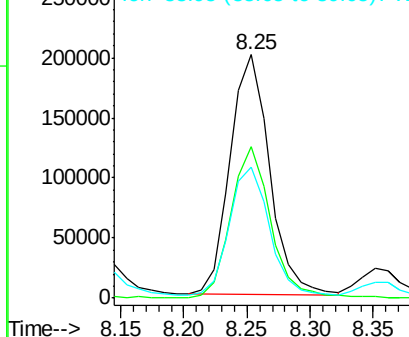
41 100

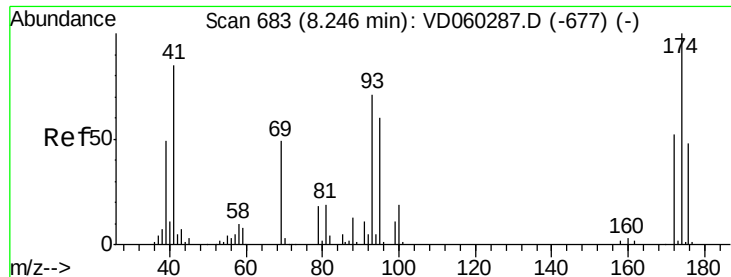
69 62.3 47.0 70.4

39 53.9 46.2 69.4



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

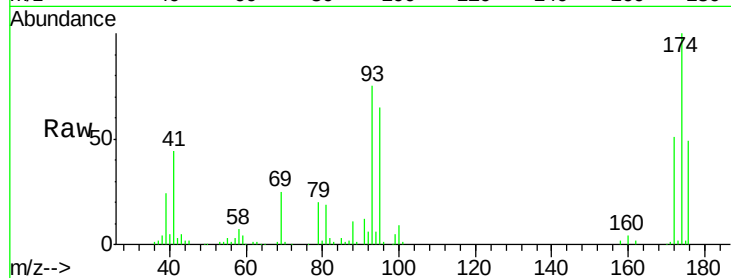




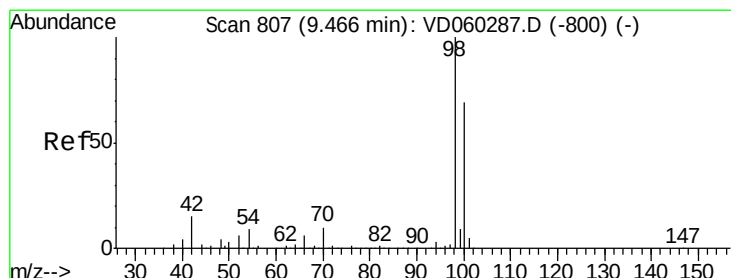
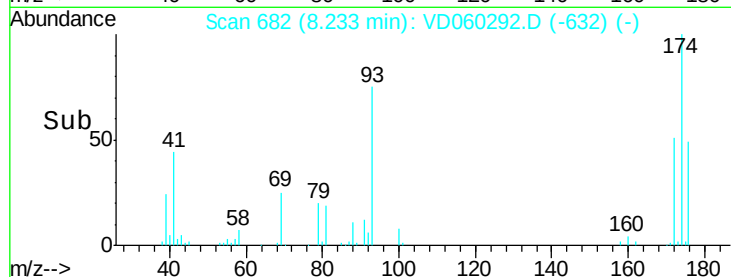
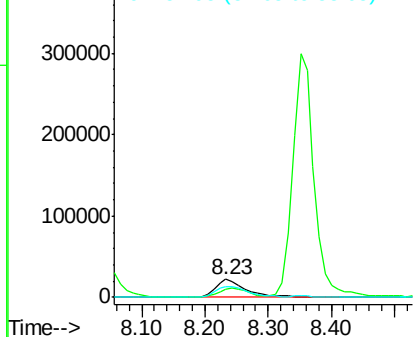
#49
1,4-Dioxane
Concen: 1090.92 ug/l
RT: 8.23 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 77097
Ion Ratio Lower Upper
88 100
43 48.3 39.7 59.5
58 60.1 60.2 90.2#

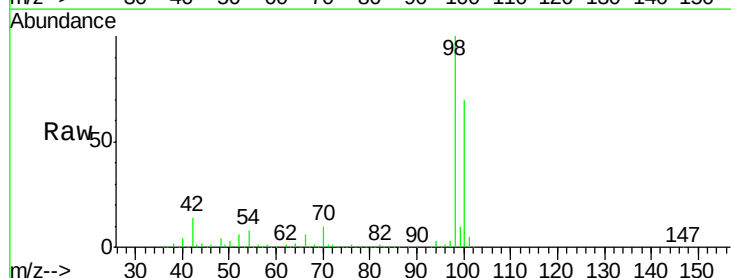


Abundance Ion 88.00 (87.70 to 88.70): VD
Ion 43.05 (42.75 to 43.75): VD
Ion 57.95 (57.65 to 58.65): VD

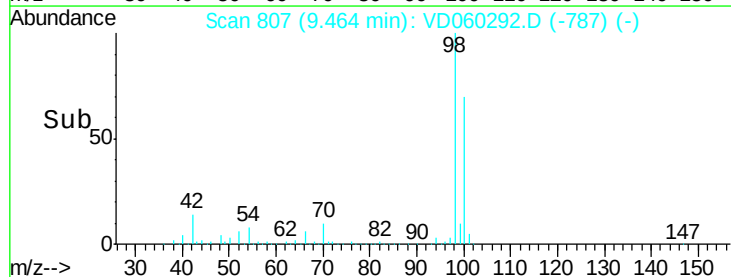
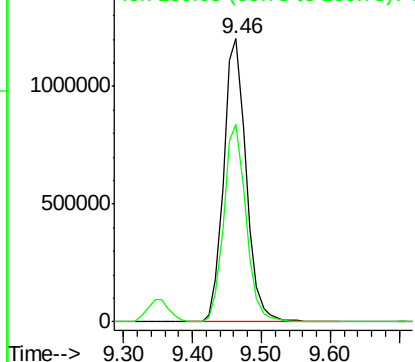


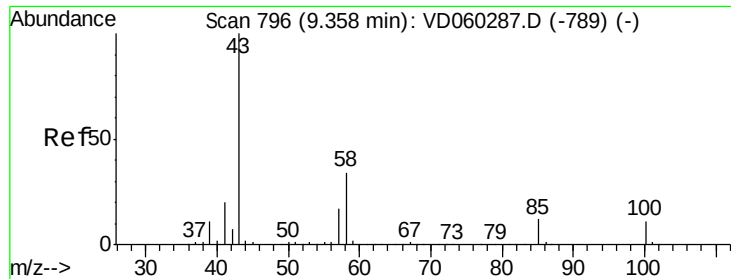
#50
Toluene-d8
Concen: 1090.92 ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion: 98 Resp: 2719699
Ion Ratio Lower Upper
98 100
100 70.0 55.2 82.8



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





#51

4-Methyl-2-Pentanone

Concen: 255.06 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

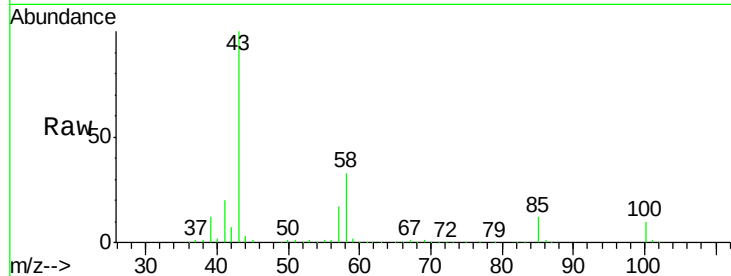
ClientSampleId :

Tot Ion: 43 Resp: 2232277

Ion Ratio Lower Upper

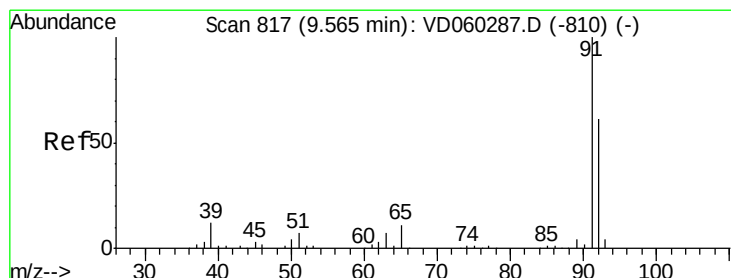
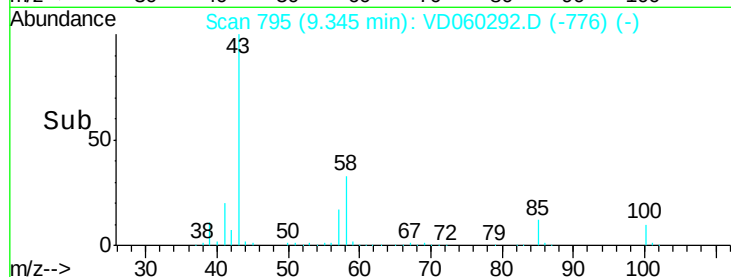
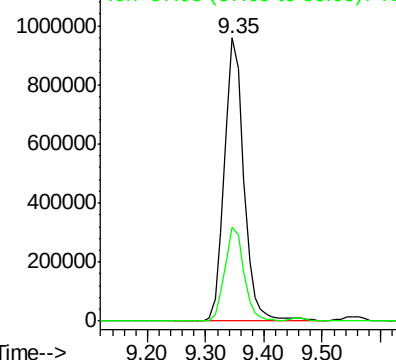
43 100

58 33.0 26.1 39.1



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 57.95 (57.65 to 58.65): VD



#52

Toluene

Concen: 52.10 ug/l

RT: 9.55 min Scan# 816

Delta R.T. -0.01 min

Lab File: VD060292.D

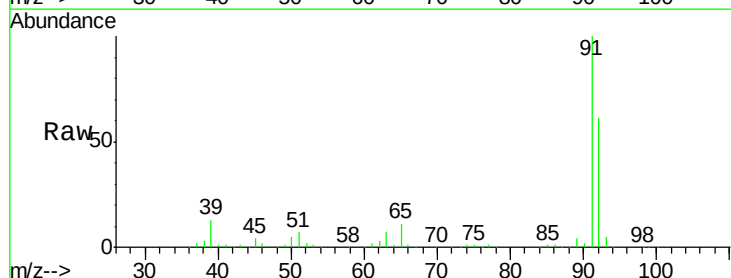
Acq: 7 Nov 2018 10:30

Tgt Ion: 92 Resp: 1976496

Ion Ratio Lower Upper

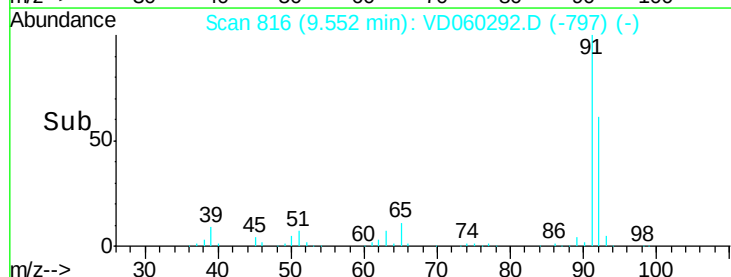
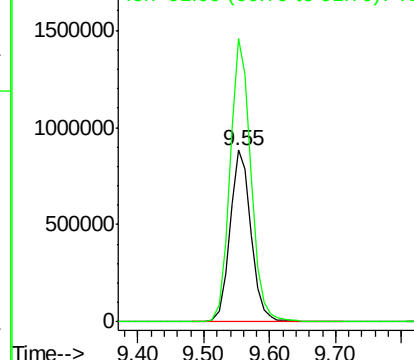
92 100

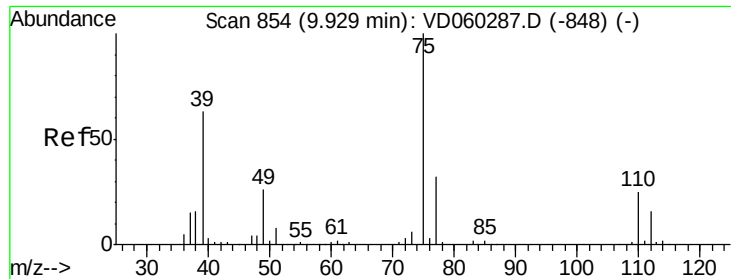
91 164.7 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VD

Ion 91.00 (90.70 to 91.70): VD





#53

t-1,3-Dichloropropene

Concen: 53.89 ug/l

RT: 9.93 min Scan# 854

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

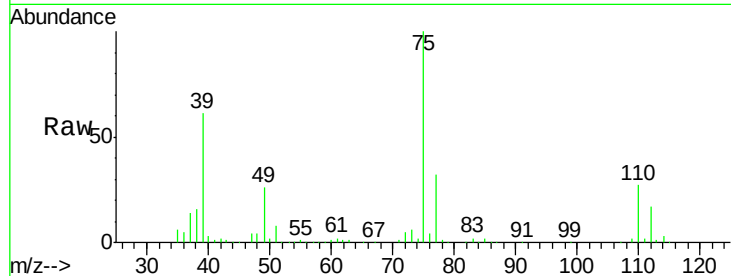
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 941112

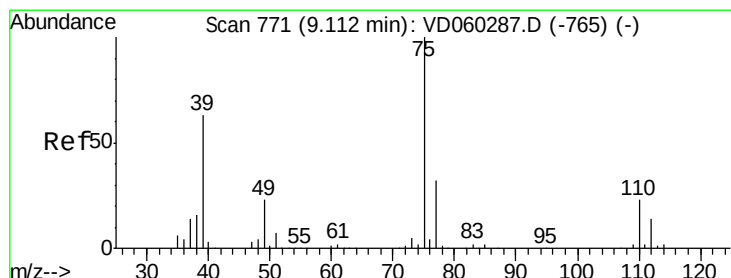
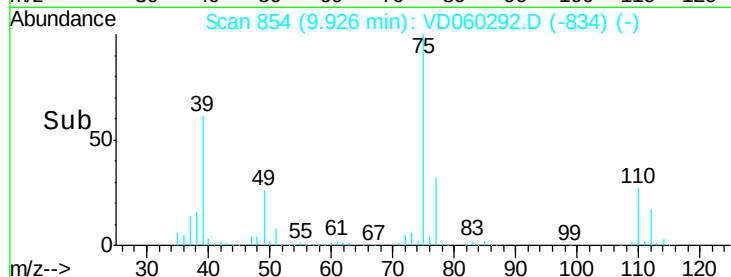
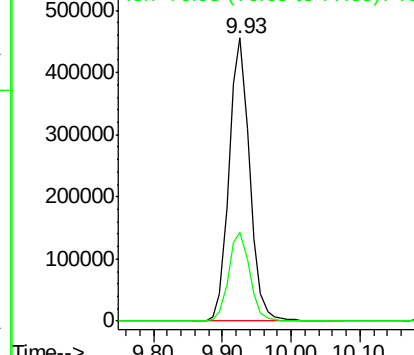
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



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



#54

cis-1,3-Dichloropropene

Concen: 54.43 ug/l

RT: 9.11 min Scan# 771

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

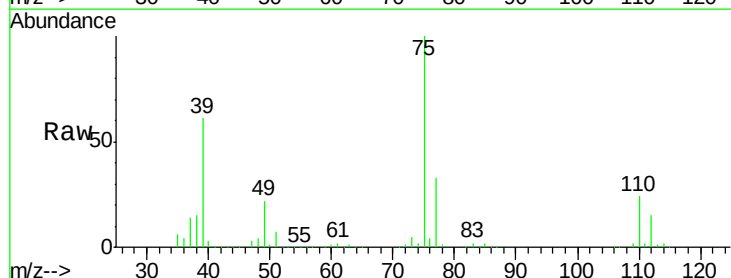
Tgt Ion: 75 Resp: 1219167

Ion Ratio Lower Upper

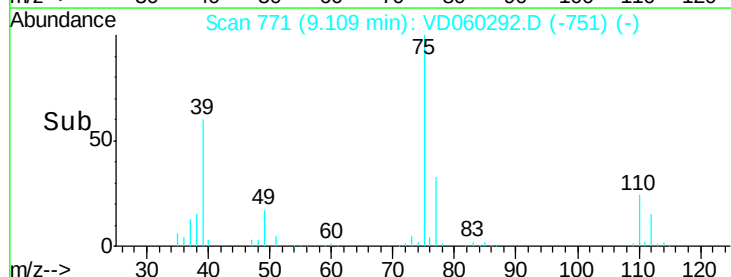
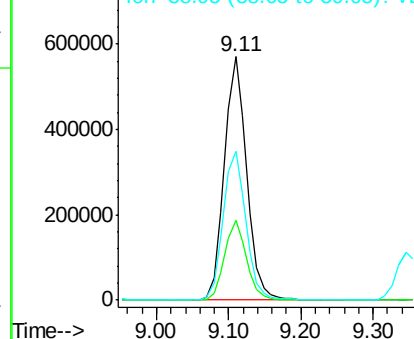
75 100

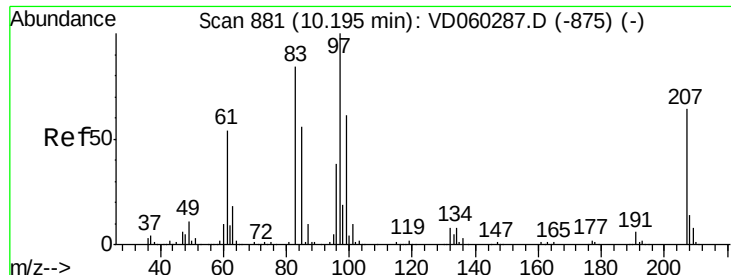
77 32.9 26.3 39.5

39 61.3 50.8 76.2



Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 76.95 (76.65 to 77.65): VD
Ion 38.95 (38.65 to 39.65): VD

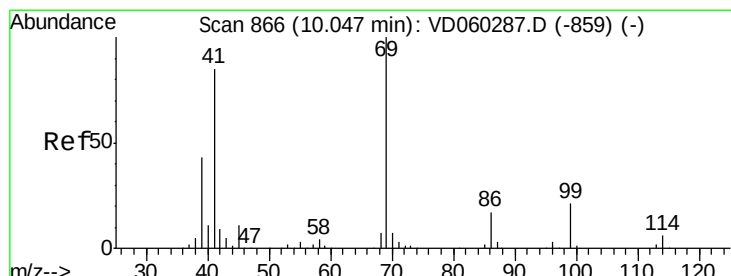
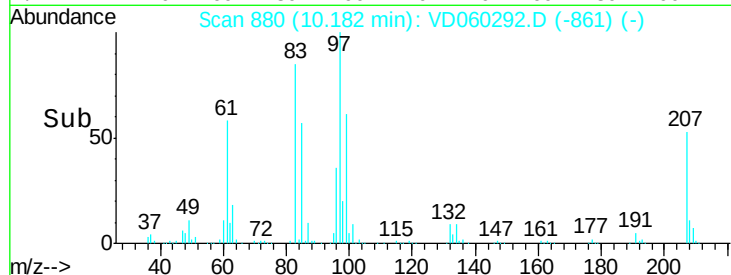
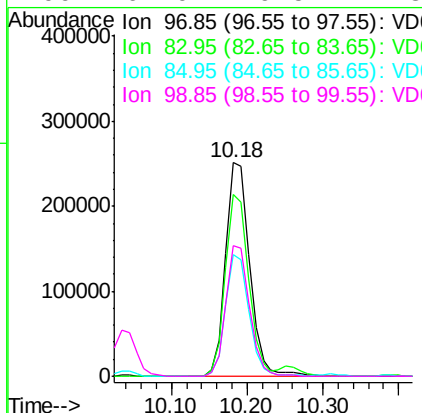
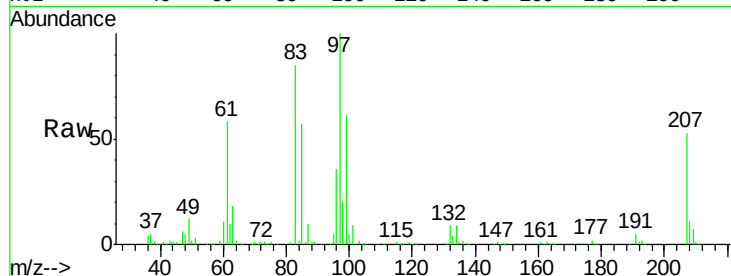




#55
 1,1,2-Trichloroethane
 Concen: 50.51 ug/l
 RT: 10.18 min Scan# 880
 Delta R.T. -0.01 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

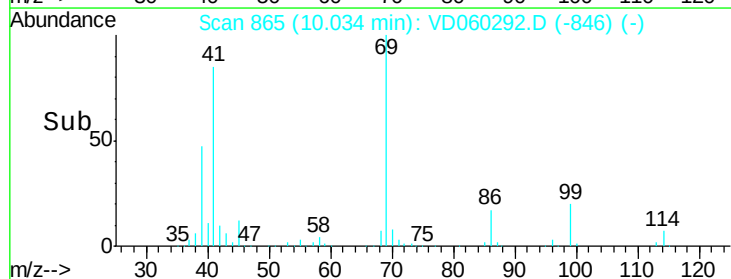
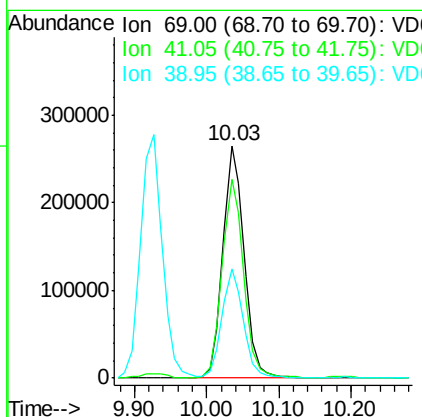
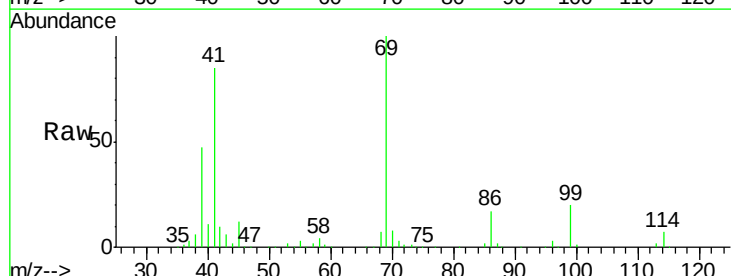
Instrument :
 MSVOA_D
 ClientSampleId :

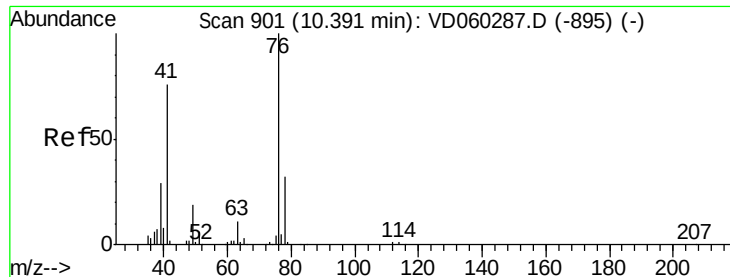
Tot Ion:	97	Resp:	555342
Ion	Ratio	Lower	Upper
97	100		
83	85.3	68.4	102.6
85	57.0	46.8	70.2
99	61.0	49.5	74.3



#56
 Ethyl methacrylate
 Concen: 53.38 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

Tgt Ion:	69	Resp:	539564
Ion	Ratio	Lower	Upper
69	100		
41	85.4	69.0	103.4
39	46.9	36.6	54.8





#57

1,3-Dichloropropane

Concen: 51.57 ug/l

RT: 10.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

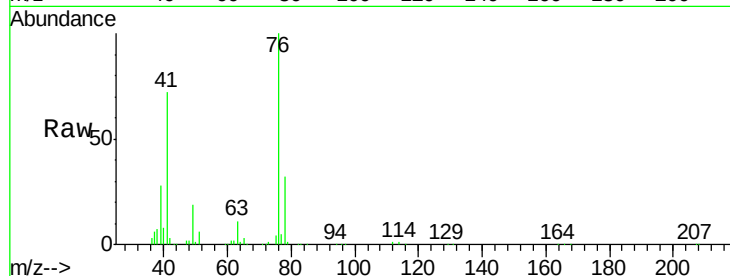
ClientSampleId :

Tot Ion: 76 Resp: 863965

Ion Ratio Lower Upper

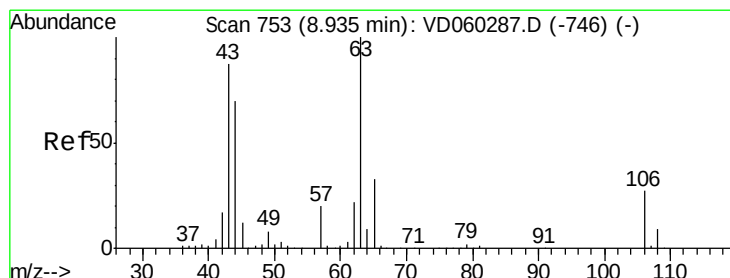
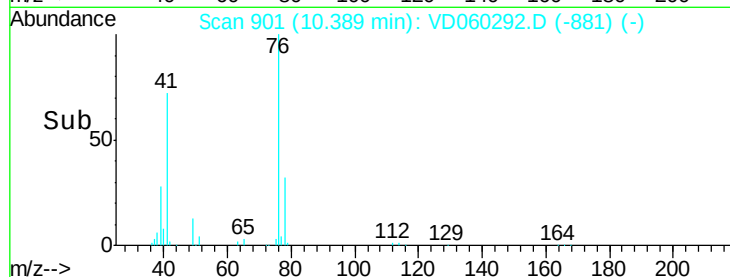
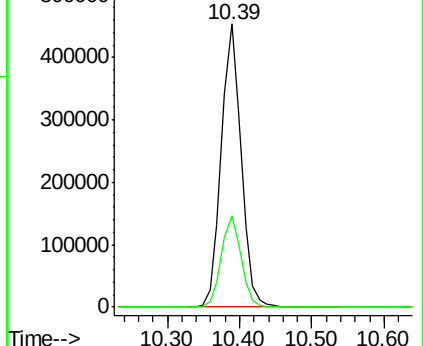
76 100

78 32.3 25.9 38.9



Abundance Ion 75.95 (75.65 to 76.65): VD

Ion 77.95 (77.65 to 78.65): VD



#58

2-Chloroethyl Vinyl ether

Concen: 261.88 ug/l

RT: 8.93 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD060292.D

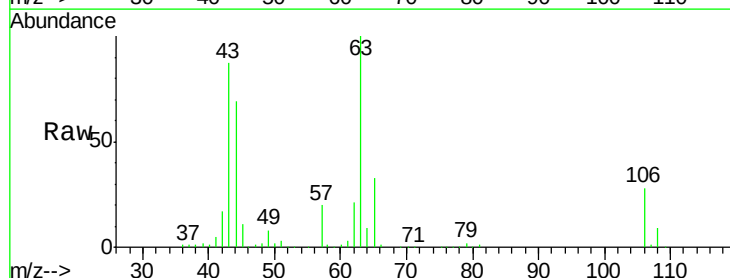
Acq: 7 Nov 2018 10:30

Tgt Ion: 63 Resp: 1600683

Ion Ratio Lower Upper

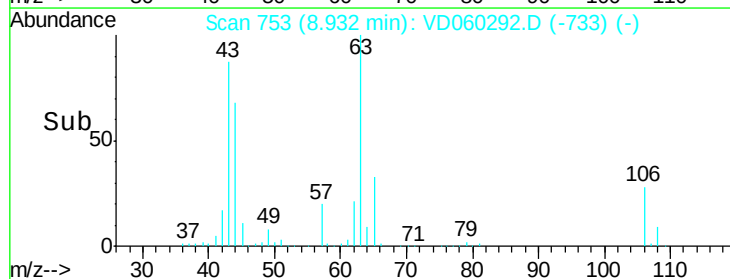
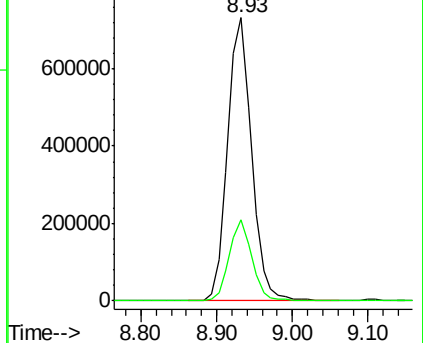
63 100

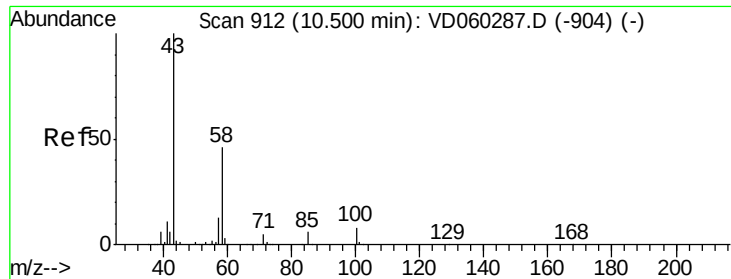
106 28.5 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 105.95 (105.65 to 106.65):

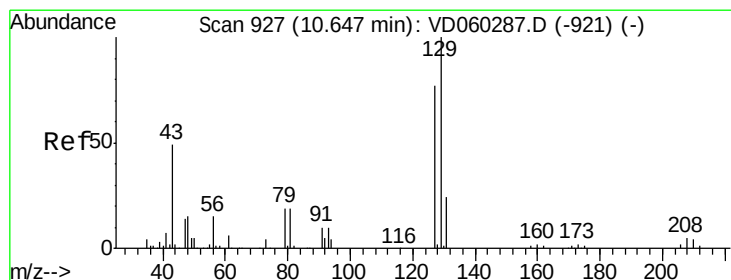
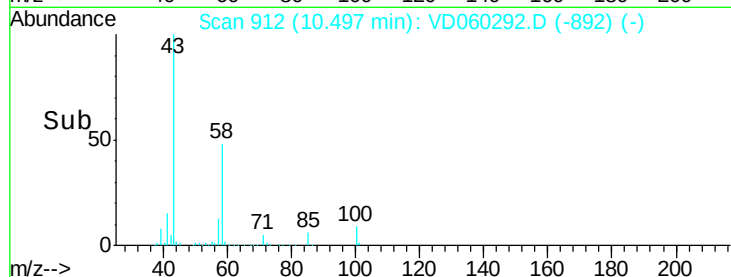
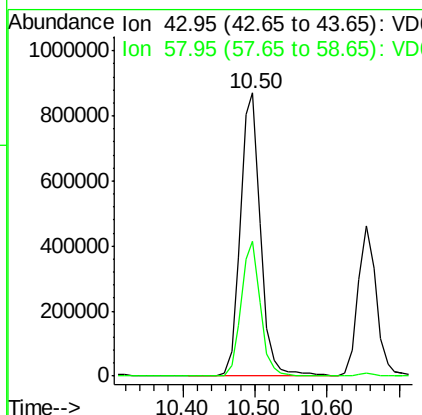
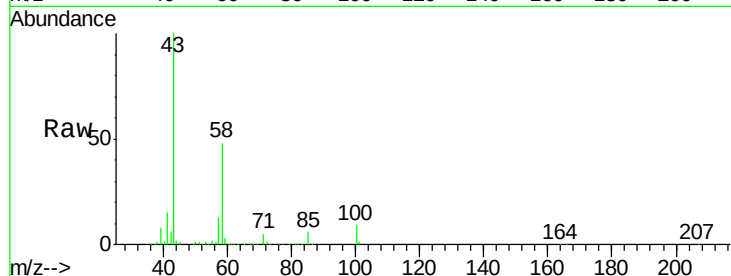




#59
2-Hexanone
Concen: 271.78 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

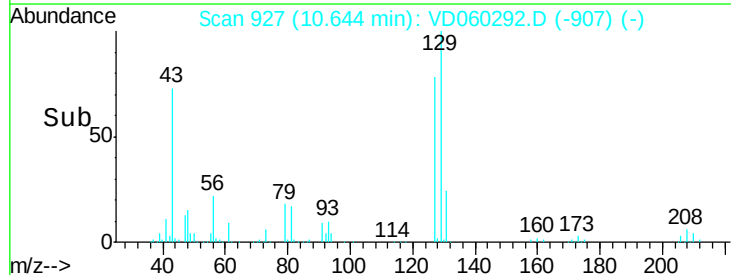
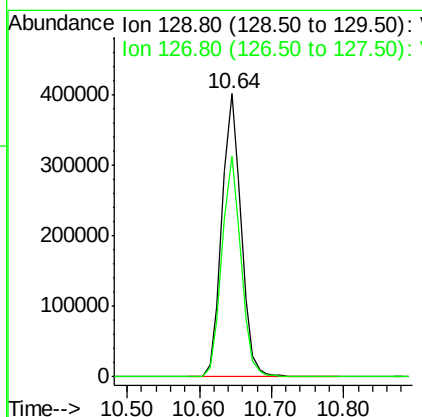
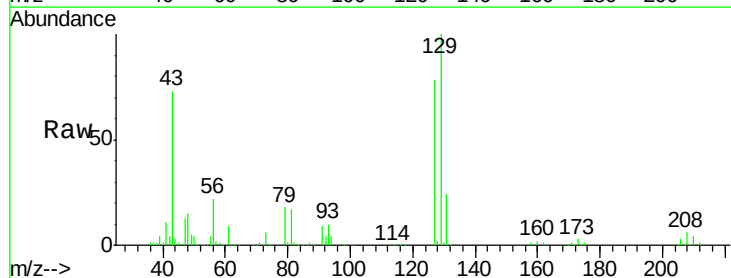
Instrument :
MSVOA_D
ClientSampled :

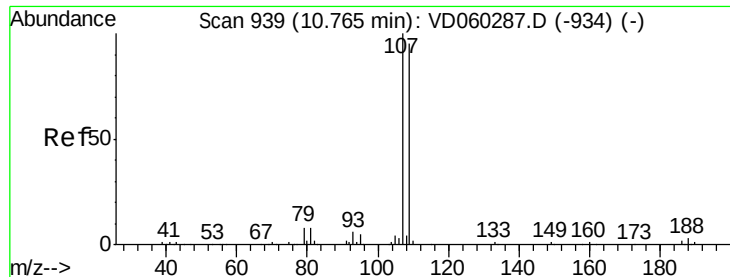
Tot Ion: 43 Resp: 1695368
Ion Ratio Lower Upper
43 100
58 47.7 22.9 68.5



#60
Dibromochloromethane
Concen: 55.34 ug/l
RT: 10.64 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion:129 Resp: 739635
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 52.88 ug/l

RT: 10.76 min Scan# 939

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

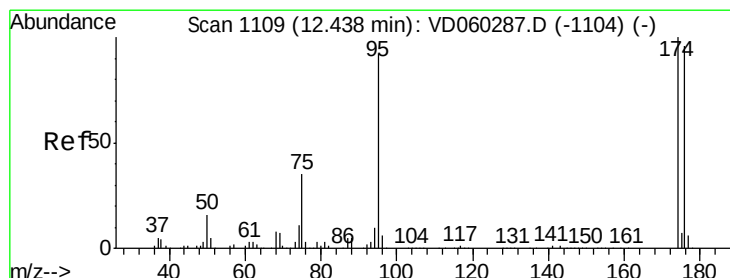
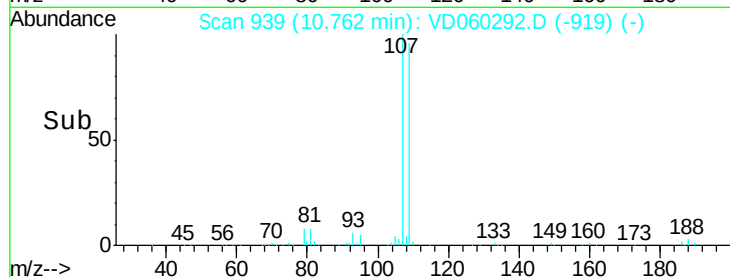
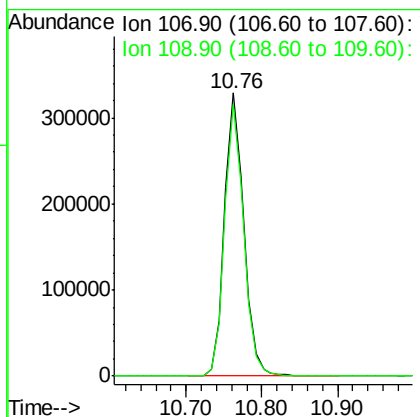
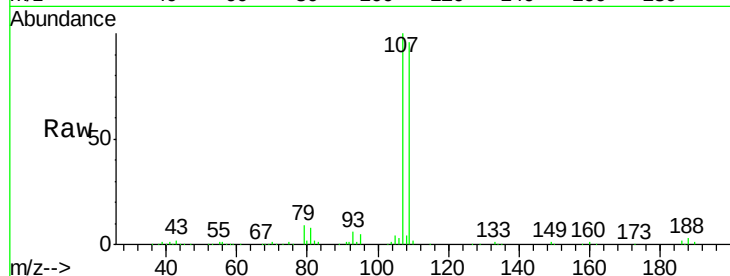
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:107 Resp: 582498

Ion Ratio Lower Upper

107 100

109 96.0 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 52.88 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

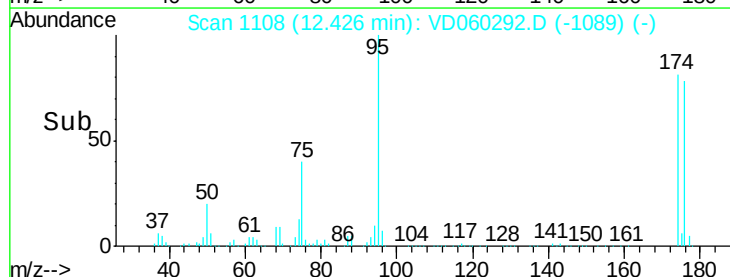
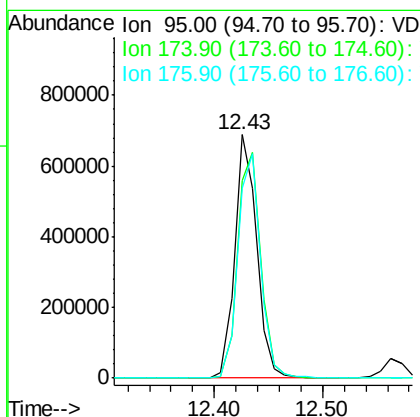
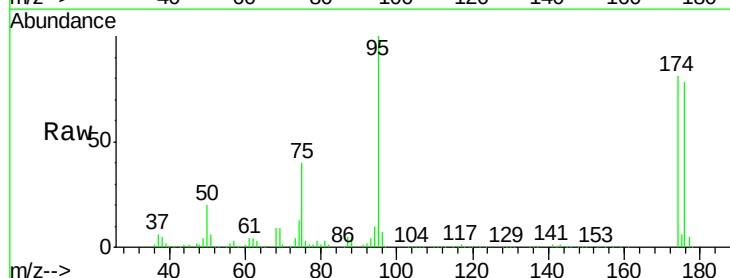
Tgt Ion: 95 Resp: 975749

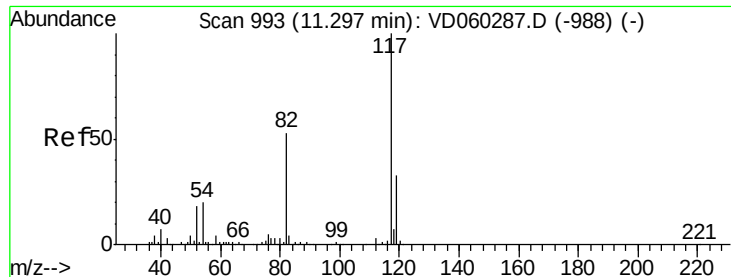
Ion Ratio Lower Upper

95 100

174 81.1 0.0 160.8

176 78.2 0.0 154.6

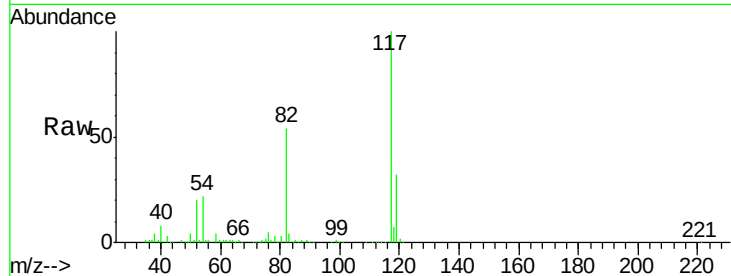




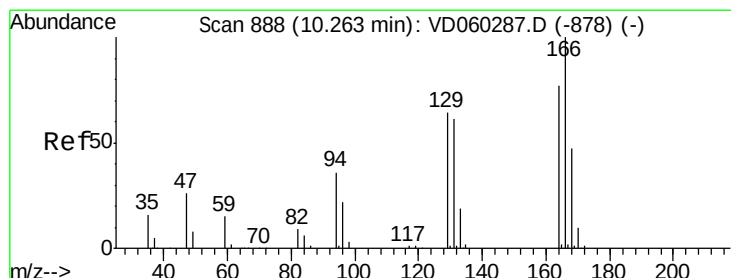
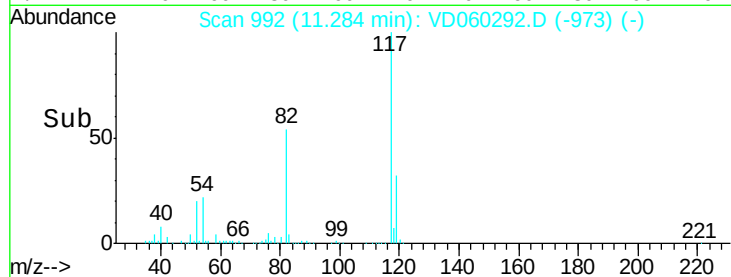
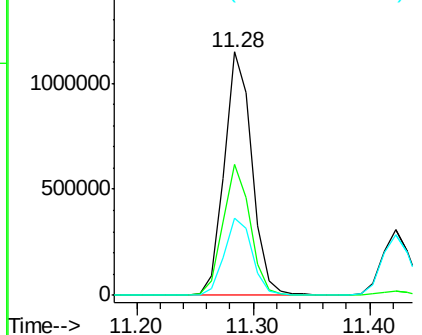
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1883337
Ion Ratio Lower Upper
117 100
82 53.6 43.7 65.5
119 31.7 26.1 39.1



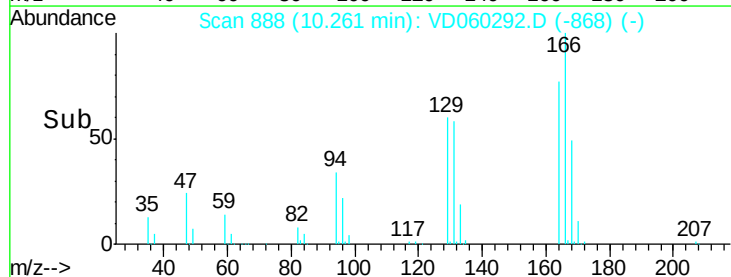
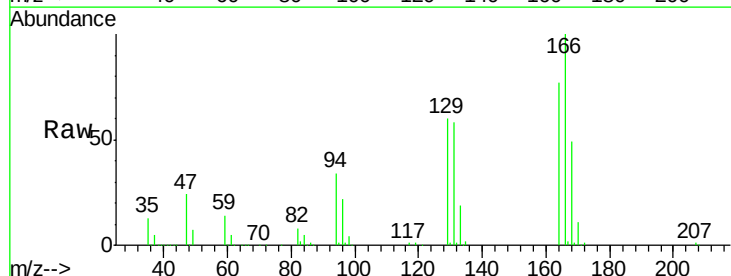
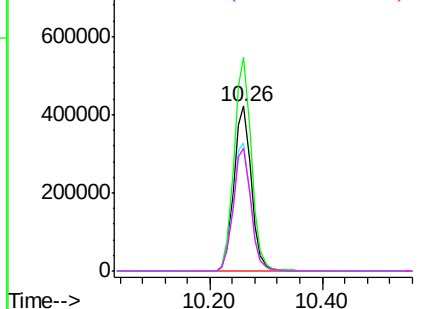
Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):

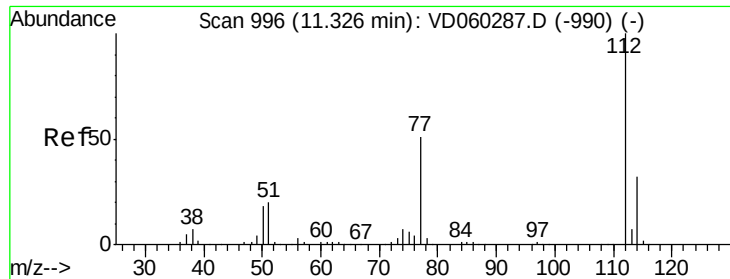


#64
Tetrachloroethene
Concen: 53.80 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion:164 Resp: 904604
Ion Ratio Lower Upper
164 100
166 129.4 103.7 155.5
129 77.9 65.6 98.4
131 74.5 64.4 96.6

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

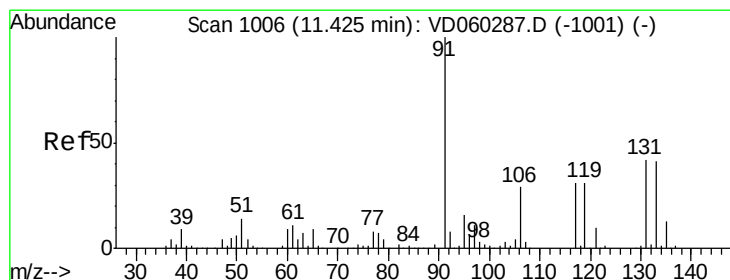
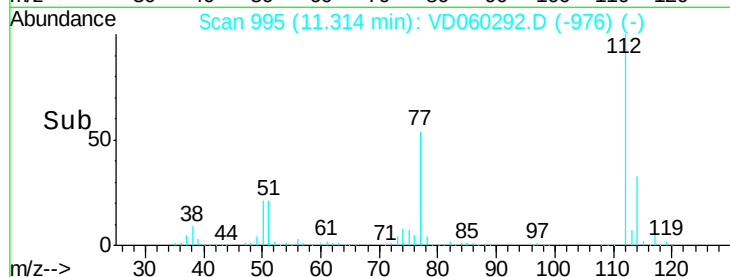
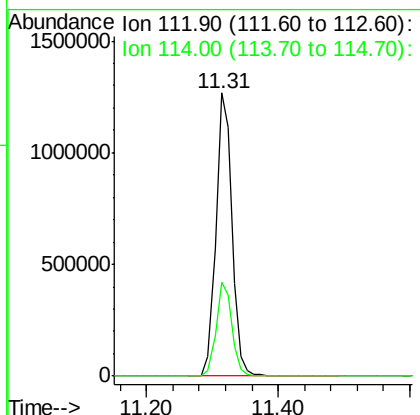
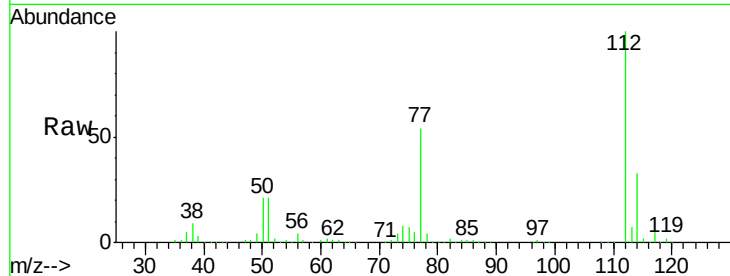




#65
Chlorobenzene
Concen: 52.21 ug/l
RT: 11.31 min Scan# 995
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

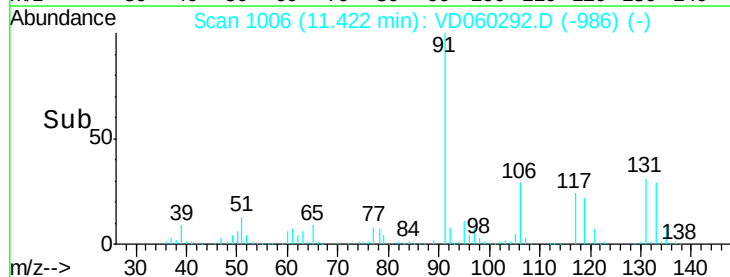
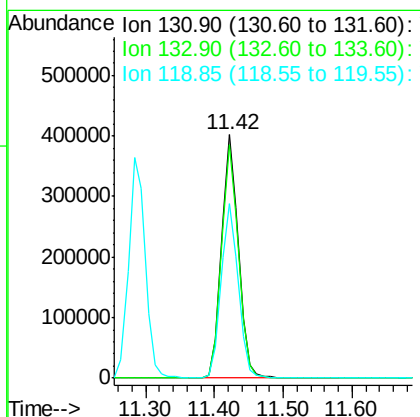
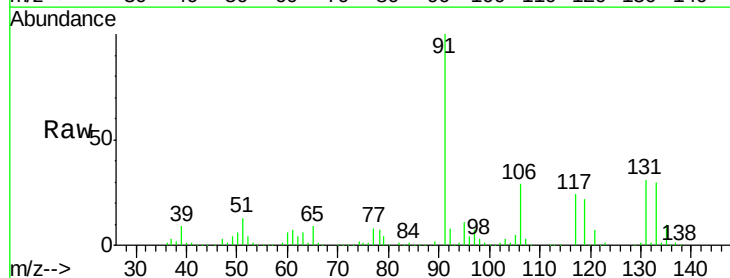
Instrument :
MSVOA_D
ClientSampled :

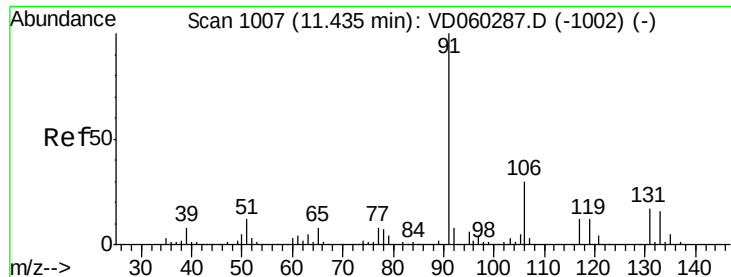
Tot Ion:112 Resp: 2130686
Ion Ratio Lower Upper
112 100
114 33.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 51.12 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion:131 Resp: 682562
Ion Ratio Lower Upper
131 100
133 96.0 50.0 150.0
119 71.6 37.0 111.1

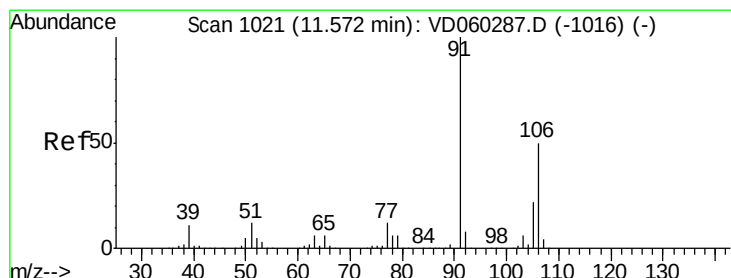
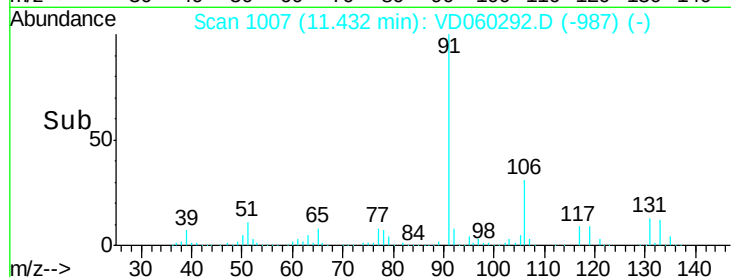
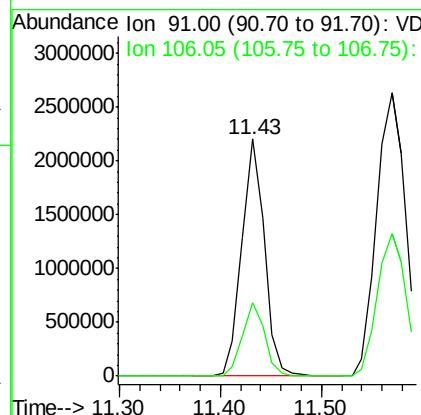
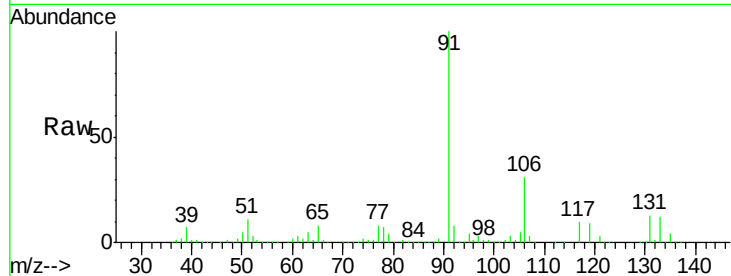




#67
Ethyl Benzene
Concen: 49.26 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

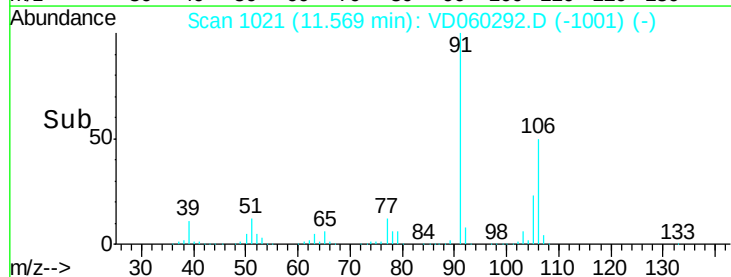
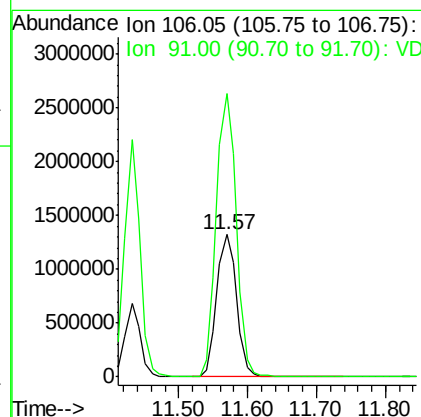
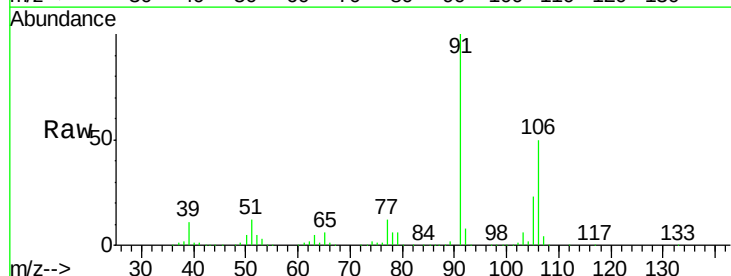
Instrument :
MSVOA_D
ClientSampled :

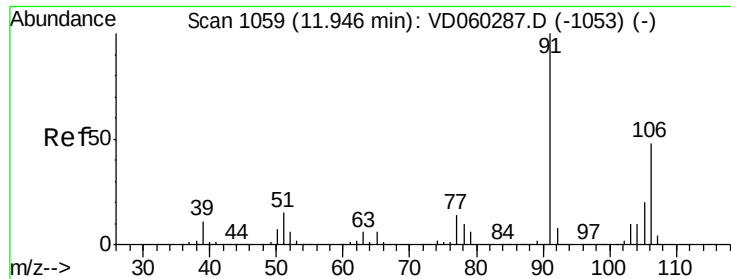
Tot Ion: 91 Resp: 3438403
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8



#68
m/p-Xylenes
Concen: 102.40 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion: 106 Resp: 2636739
Ion Ratio Lower Upper
106 100
91 198.8 159.4 239.2

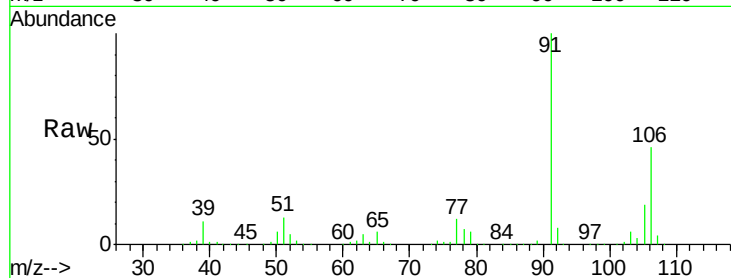




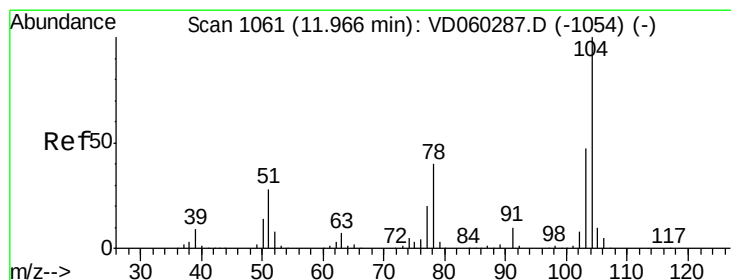
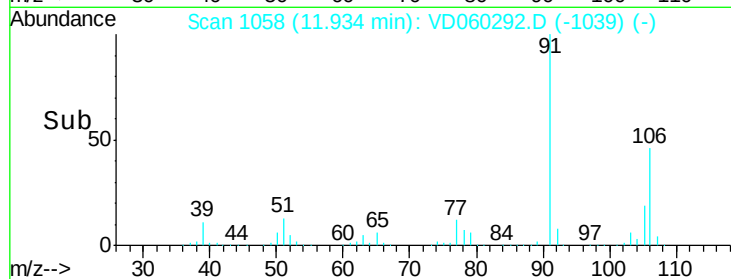
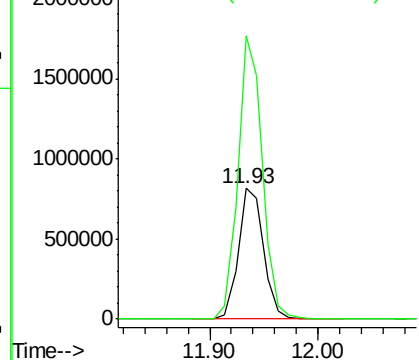
#69
o-Xylene
Concen: 52.51 ug/l
RT: 11.93 min Scan# 1058
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 1306172
Ion Ratio Lower Upper
106 100
91 216.3 109.2 327.6

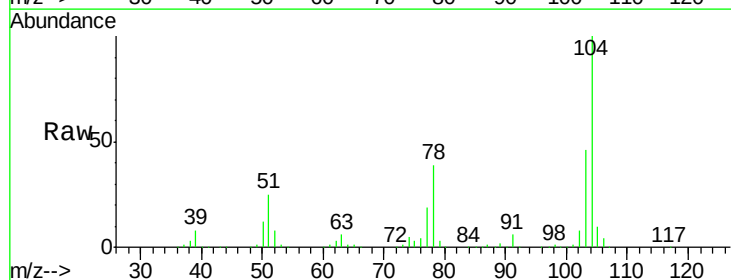


Abundance Ion 106.05 (105.75 to 106.75):
Ion 91.00 (90.70 to 91.70): VD

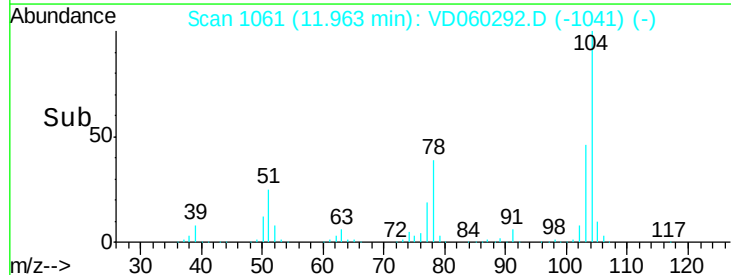
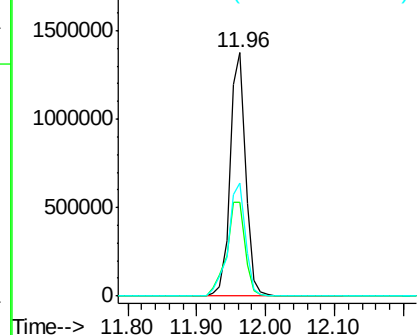


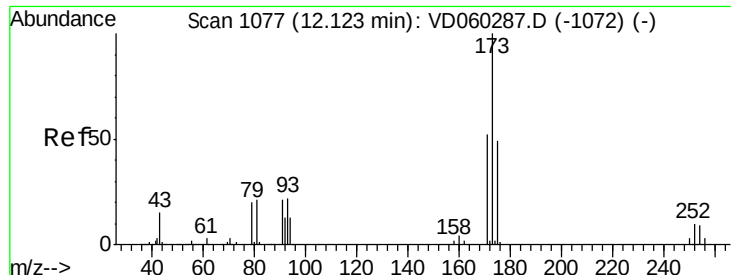
#70
Styrene
Concen: 52.98 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion:104 Resp: 2130078
Ion Ratio Lower Upper
104 100
78 38.8 31.6 47.4
103 46.5 37.0 55.6



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

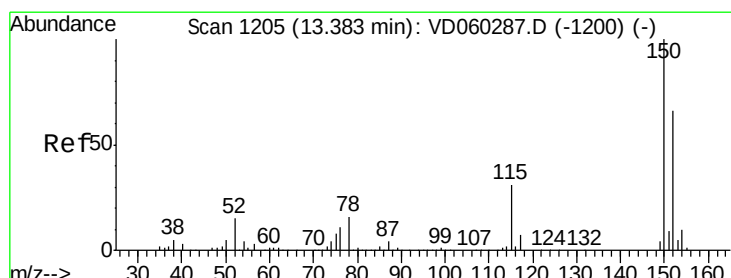
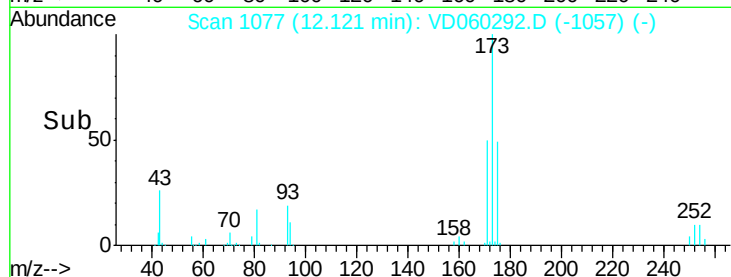
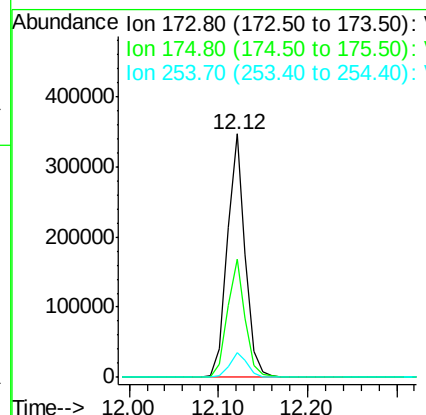
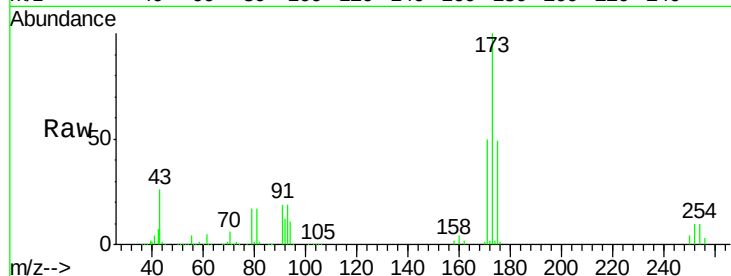




#71
Bromoform
Concen: 54.48 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

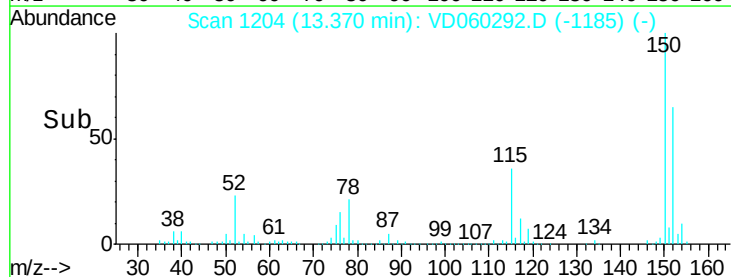
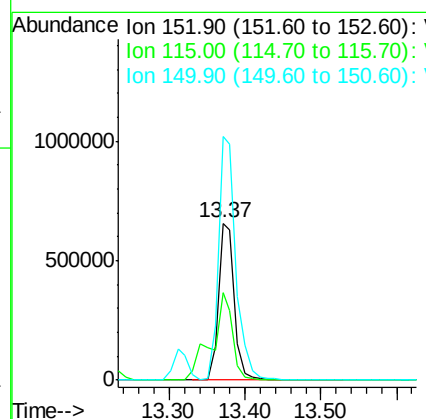
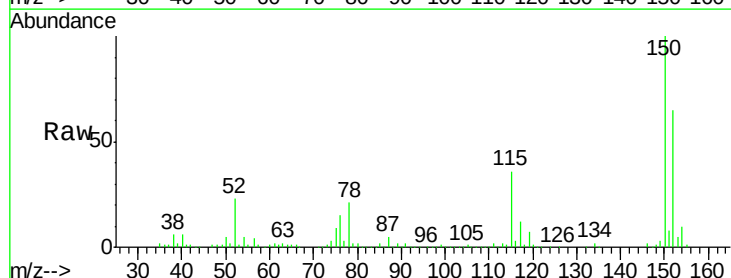
Instrument :
MSVOA_D
ClientSampleId :

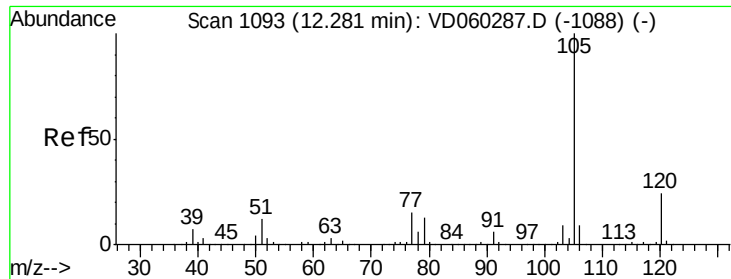
Tot Ion:173 Resp: 488806
Ion Ratio Lower Upper
173 100
175 48.5 24.3 73.0
254 10.3 8.3 12.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.37 min Scan# 1204
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion:152 Resp: 968563
Ion Ratio Lower Upper
152 100
115 55.4 24.1 72.3
150 155.0 0.0 310.6





#73

Isopropylbenzene

Concen: 50.47 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

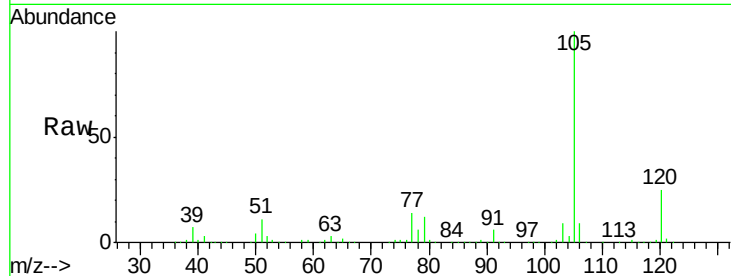
ClientSampled :

Tot Ion:105 Resp: 3561354

Ion Ratio Lower Upper

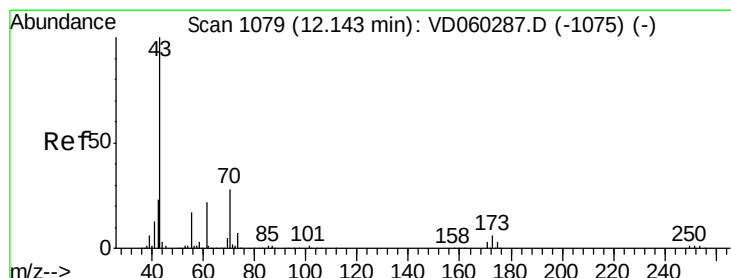
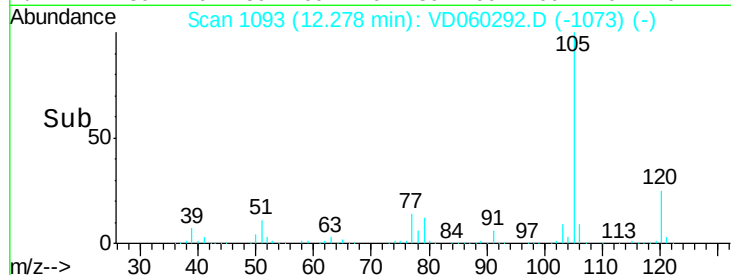
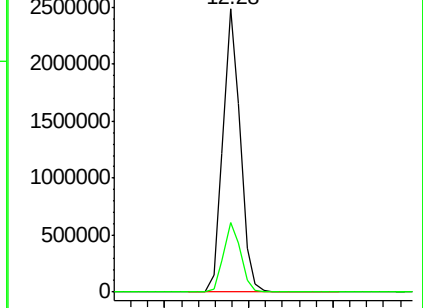
105 100

120 24.8 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75):

Ion 120.05 (119.75 to 120.75):



#74

N-ethyl acetate

Concen: 49.77 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Tgt Ion: 43 Resp: 900510

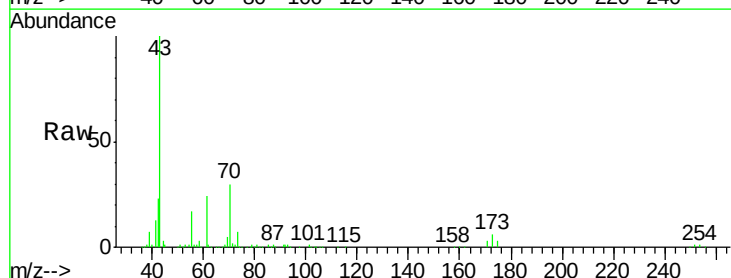
Ion Ratio Lower Upper

43 100

70 29.5 23.0 34.4

55 17.3 14.2 21.4

61 24.2 17.8 26.8

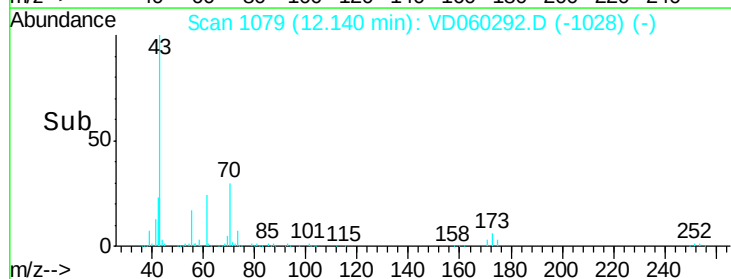
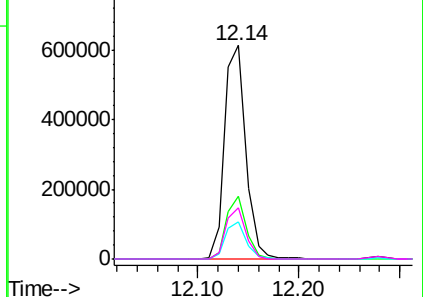


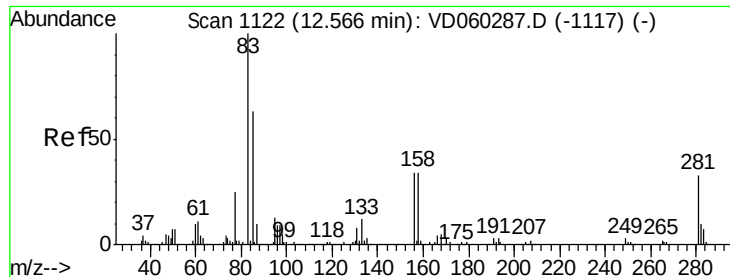
Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 70.00 (69.70 to 70.70): VD

Ion 55.00 (54.70 to 55.70): VD

Ion 60.95 (60.65 to 61.65): VD





#75

1,1,2,2-Tetrachloroethane

Concen: 49.15 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

ClientSampled :

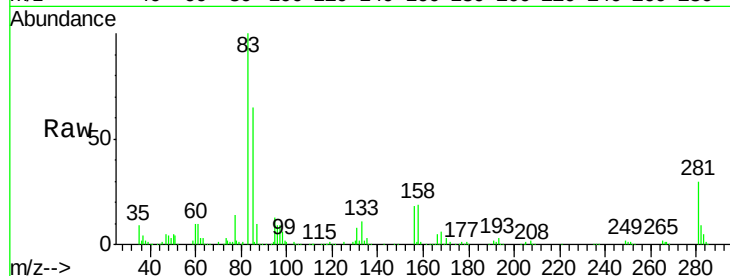
Tot Ion: 83 Resp: 567269

Ion Ratio Lower Upper

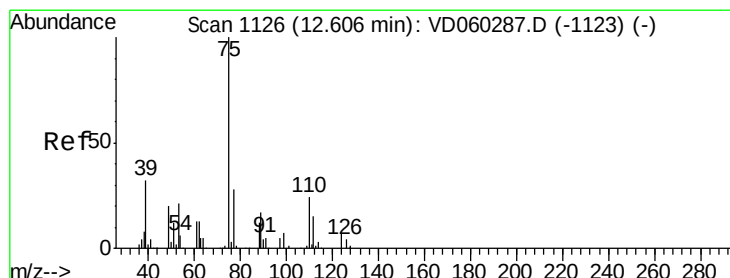
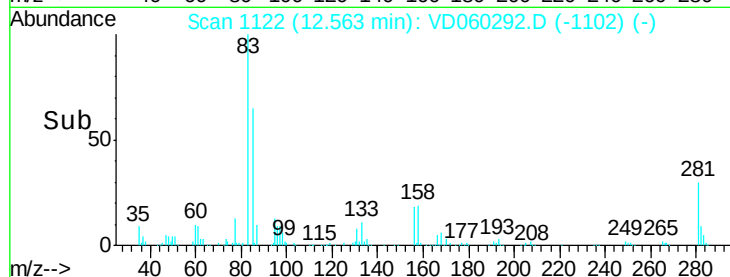
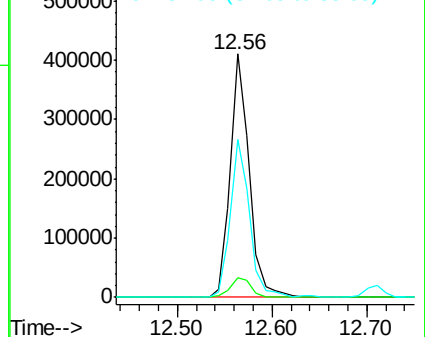
83 100

131 8.2 3.9 11.5

85 64.8 32.0 96.0



Abundance Ion 82.95 (82.65 to 83.65): VD
Ion 130.90 (130.60 to 131.60):
Ion 84.95 (84.65 to 85.65): VD



#76

1,2,3-Trichloropropane

Concen: 49.85 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060292.D

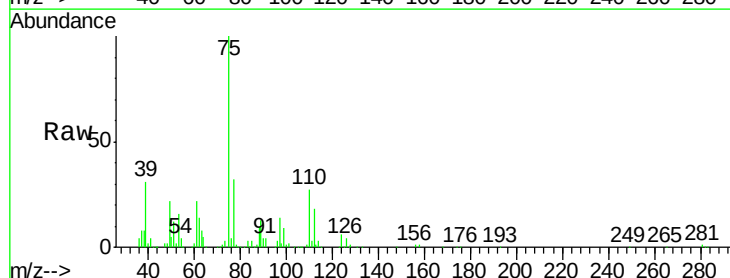
Acq: 7 Nov 2018 10:30

Tgt Ion: 75 Resp: 577520

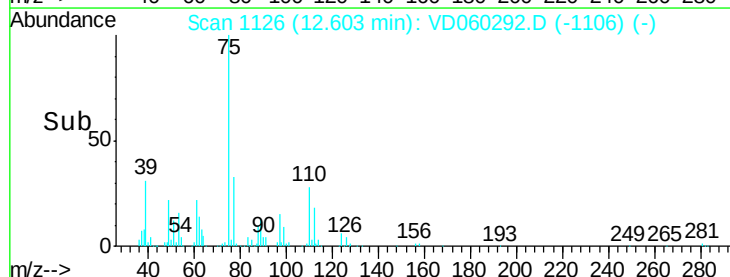
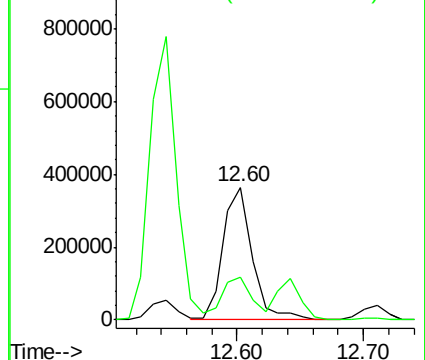
Ion Ratio Lower Upper

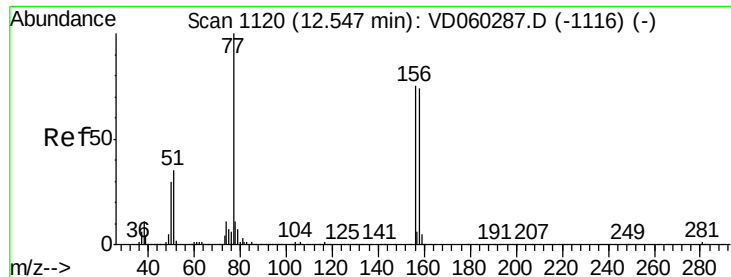
75 100

77 32.3 16.4 49.1



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





#77

Bromobenzene

Concen: 49.78 ug/l

RT: 12.54 min Scan# 1120

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

ClientSampled :

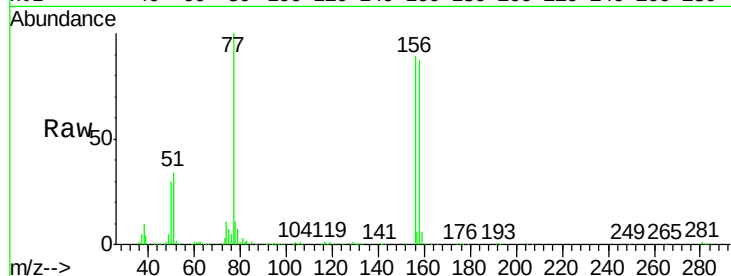
Tot Ion:156 Resp: 933031

Ion Ratio Lower Upper

156 100

77 112.4 61.2 183.6

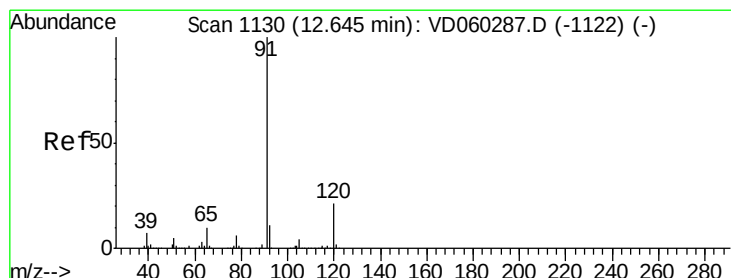
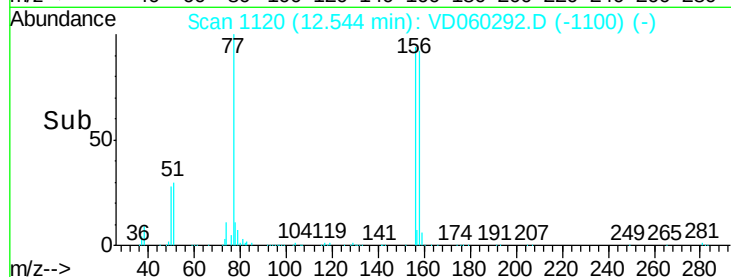
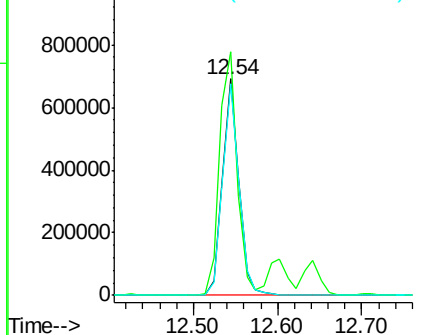
158 97.6 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60):

Ion 76.95 (76.65 to 77.65): VD

Ion 157.85 (157.55 to 158.55):



#78

n-propylbenzene

Concen: 49.21 ug/l

RT: 12.64 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VD060292.D

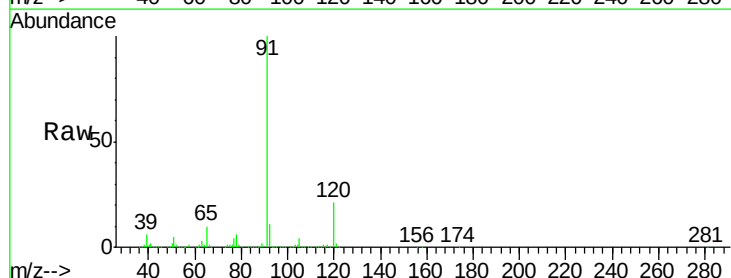
Acq: 7 Nov 2018 10:30

Tgt Ion: 91 Resp: 4334712

Ion Ratio Lower Upper

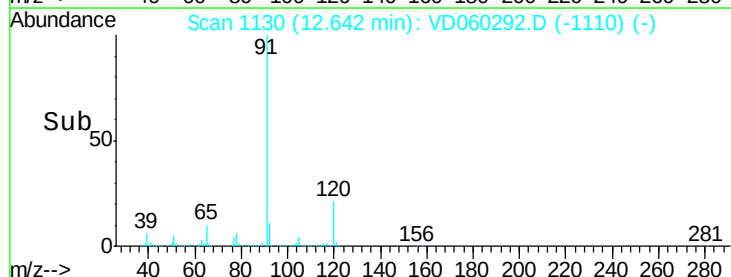
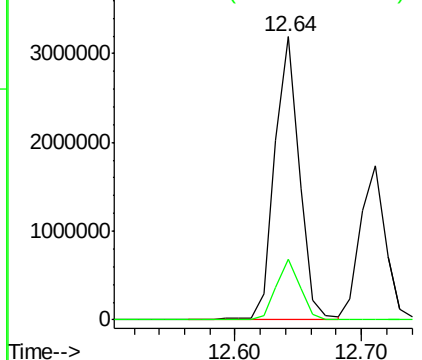
91 100

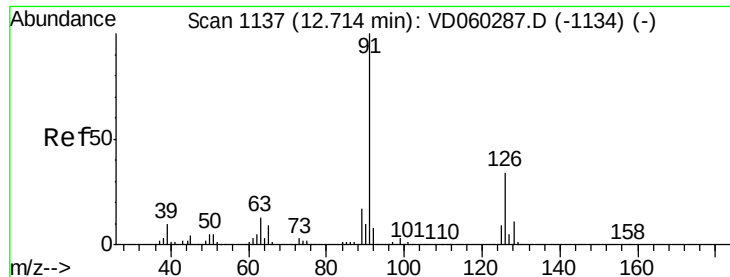
120 21.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 120.05 (119.75 to 120.75):





#79

2-Chlorotoluene

Concen: 49.85 ug/l

RT: 12.71 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VD060292.D

Acq: 7 Nov 2018 10:30

Instrument :

MSVOA_D

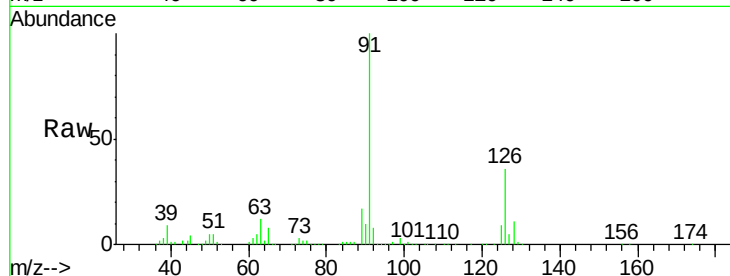
ClientSampleId :

Tot Ion: 91 Resp: 2404884

Ion Ratio Lower Upper

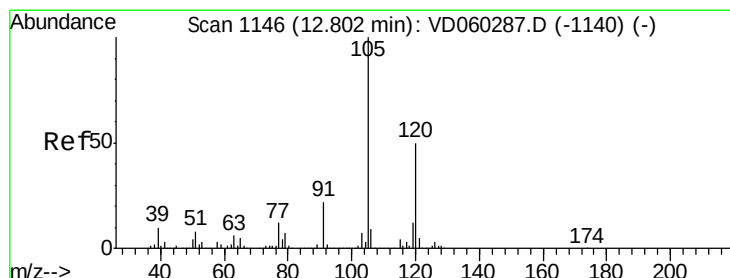
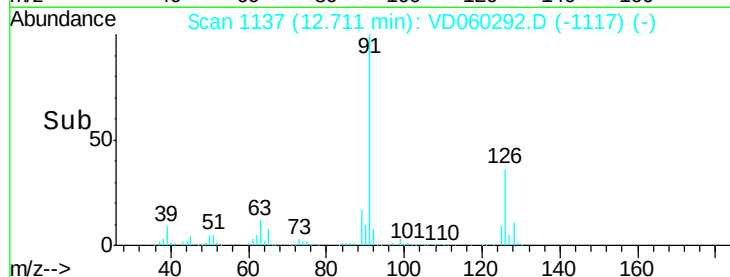
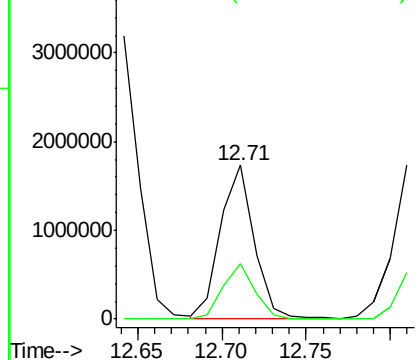
91 100

126 35.9 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.95 (125.65 to 126.65):



#80

1,3,5-Trimethylbenzene

Concen: 48.98 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VD060292.D

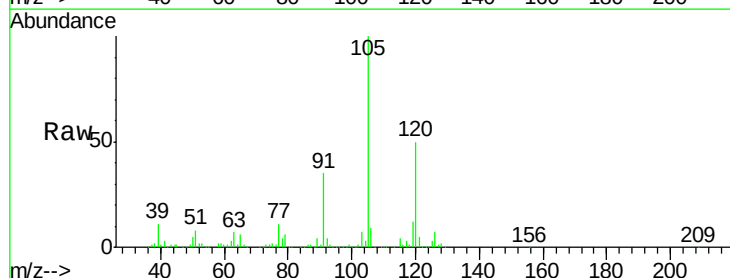
Acq: 7 Nov 2018 10:30

Tgt Ion:105 Resp: 2686102

Ion Ratio Lower Upper

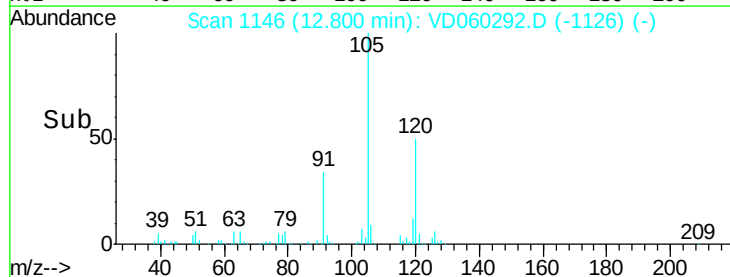
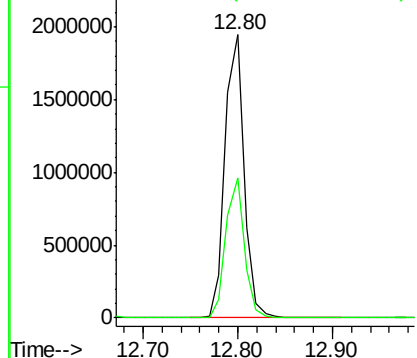
105 100

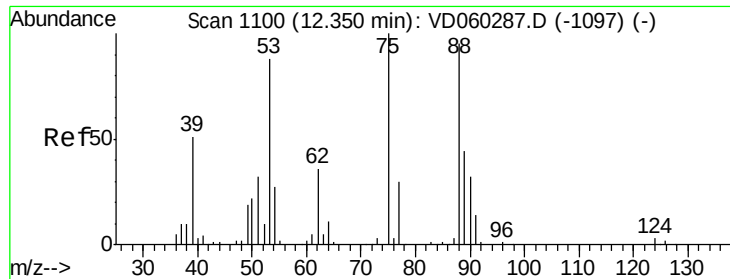
120 49.5 24.4 73.4



Abundance Ion 105.05 (104.75 to 105.75):

Ion 120.05 (119.75 to 120.75):

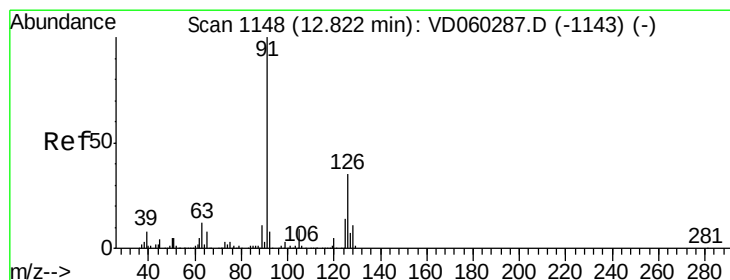
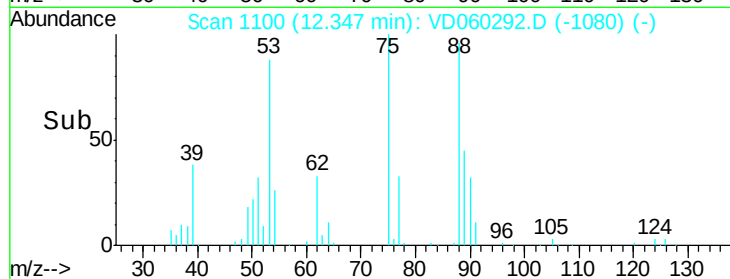
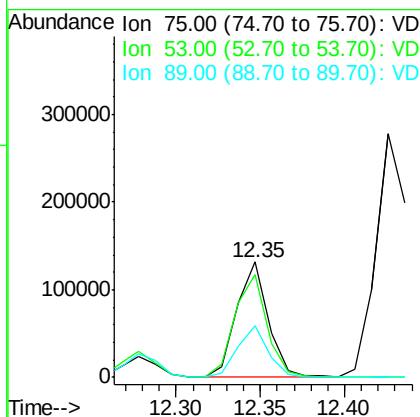
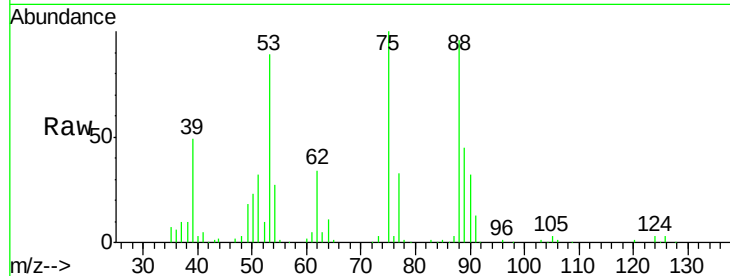




#81
trans-1,4-Dichloro-2-butene
Concen: 51.75 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

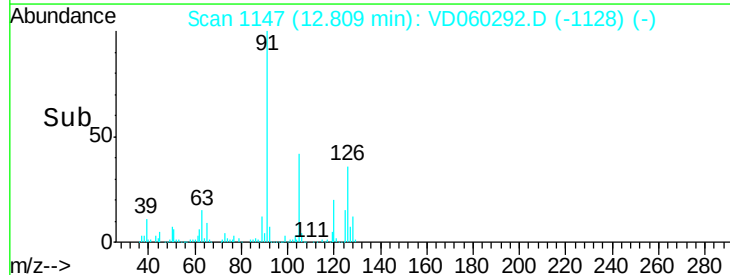
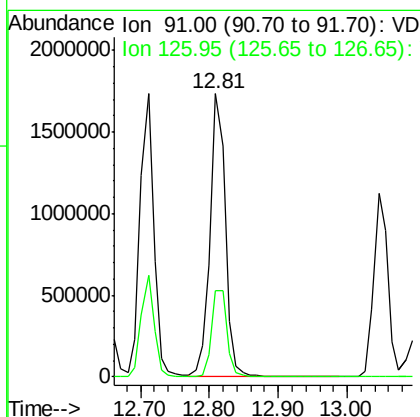
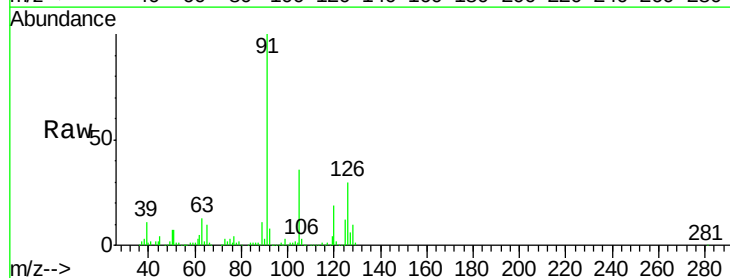
Instrument :
MSVOA_D
ClientSampled :

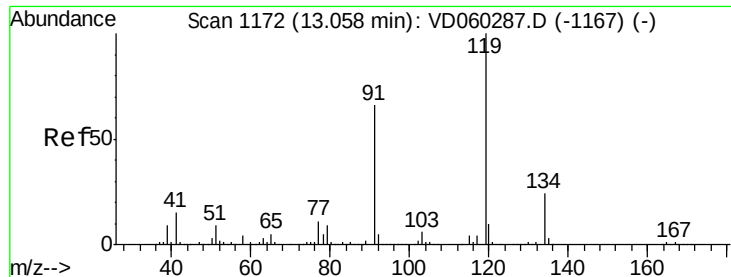
Tot Ion: 75 Resp: 170695
Ion Ratio Lower Upper
75 100
53 89.4 68.6 103.0
89 44.6 34.1 51.1



#82
4-Chlorotoluene
Concen: 49.31 ug/l
RT: 12.81 min Scan# 1147
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion: 91 Resp: 2672058
Ion Ratio Lower Upper
91 100
126 30.3 14.8 44.4

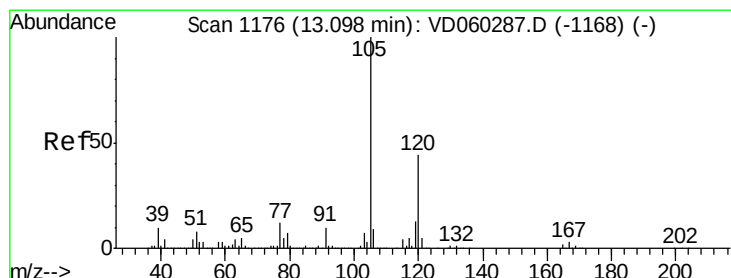
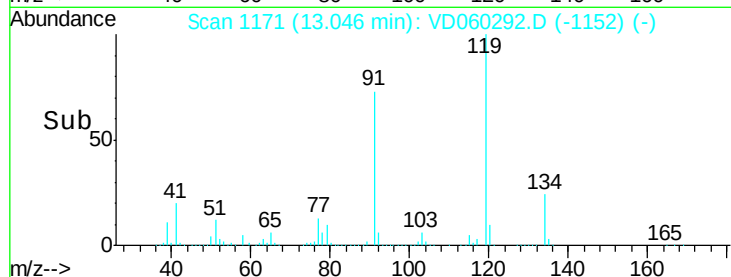
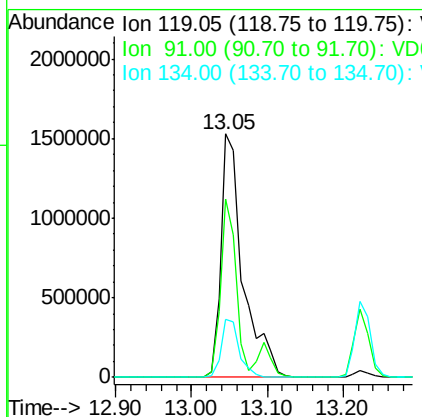
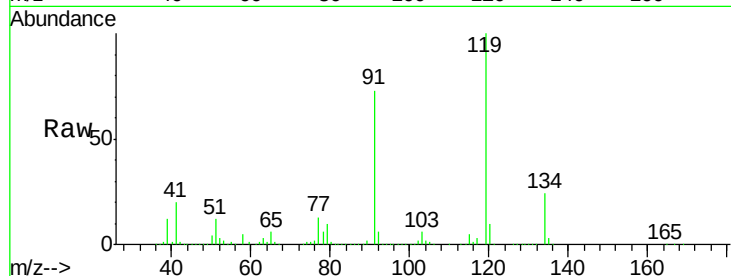




#83
 tert-Butylbenzene
 Concen: 51.49 ug/l
 RT: 13.05 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

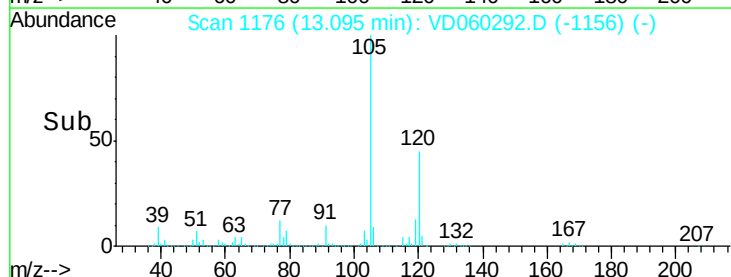
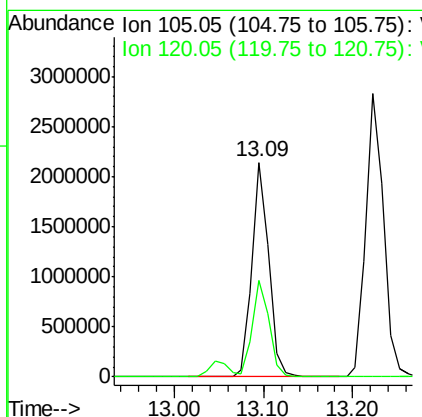
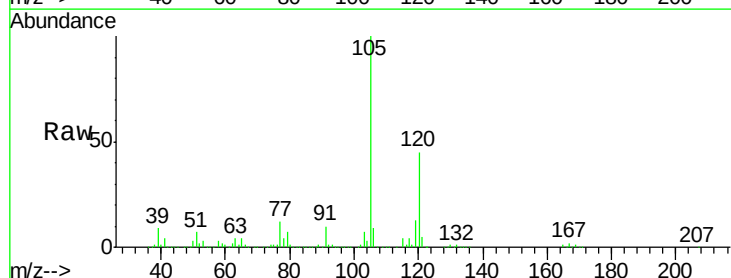
Instrument :
 MSVOA_D
 ClientSampleId :

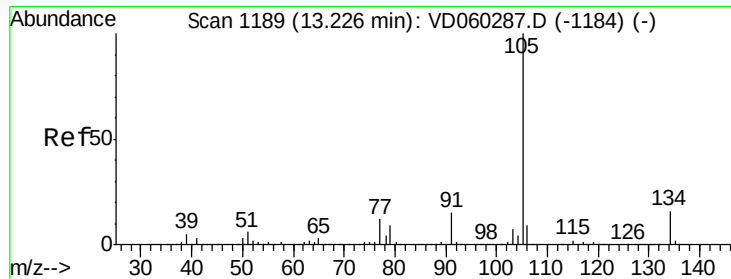
Tot Ion:119 Resp: 3135025
 Ion Ratio Lower Upper
 119 100
 91 73.5 32.7 98.1
 134 23.6 12.1 36.3



#84
 1,2,4-Trimethylbenzene
 Concen: 50.99 ug/l
 RT: 13.09 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

Tgt Ion:105 Resp: 2792572
 Ion Ratio Lower Upper
 105 100
 120 45.0 21.9 65.8

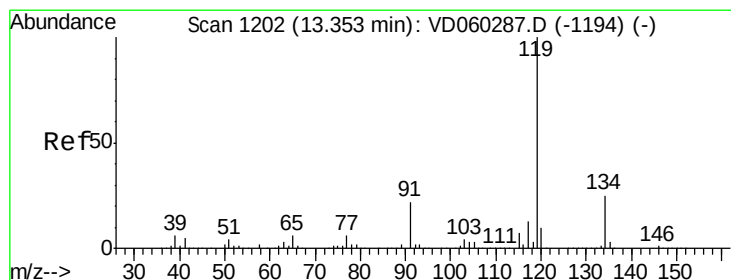
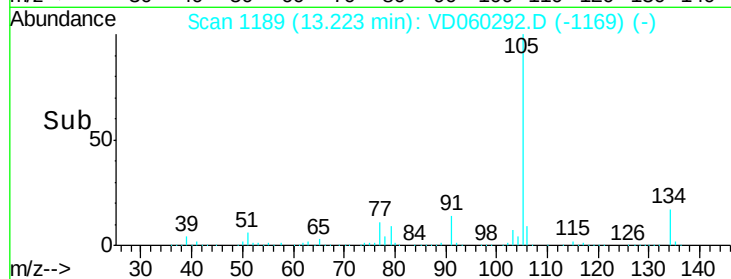
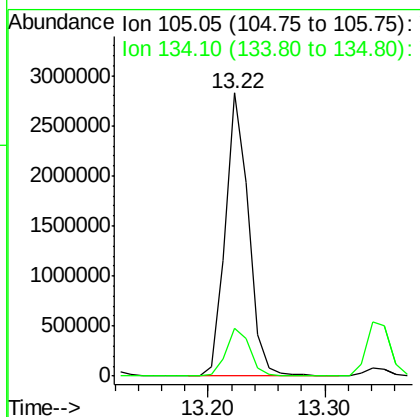
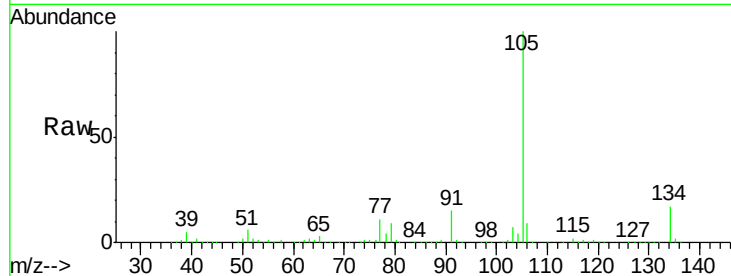




#85
 sec-Butylbenzene
 Concen: 51.78 ug/l
 RT: 13.22 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

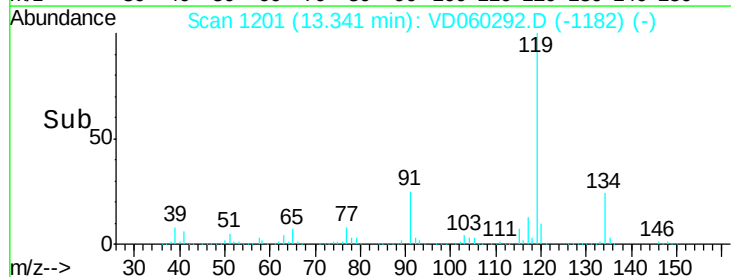
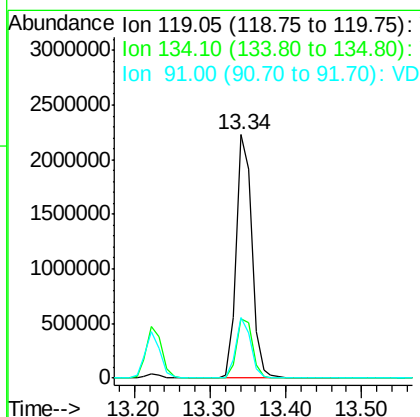
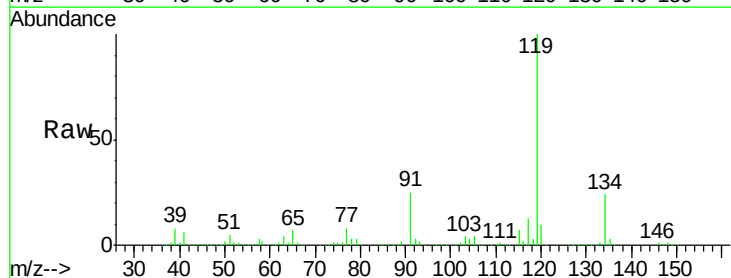
Instrument :
 MSVOA_D
 ClientSampleId :

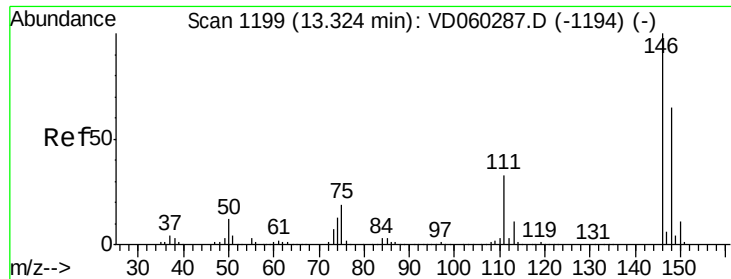
Tot Ion:105 Resp: 3867862
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 51.82 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

Tgt Ion:119 Resp: 3117403
 Ion Ratio Lower Upper
 119 100
 134 24.3 12.9 38.6
 91 24.7 11.3 33.8

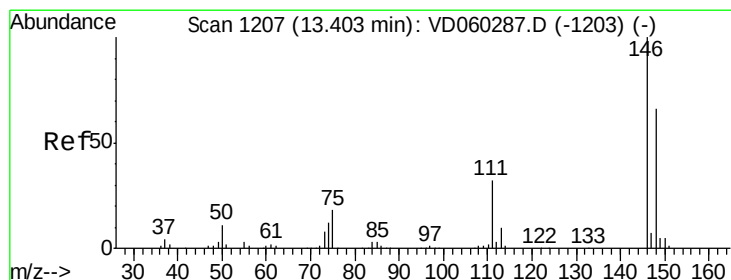
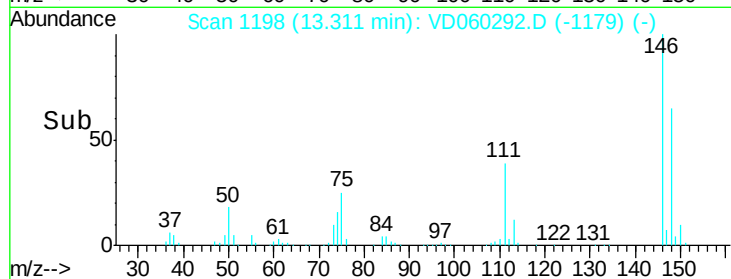
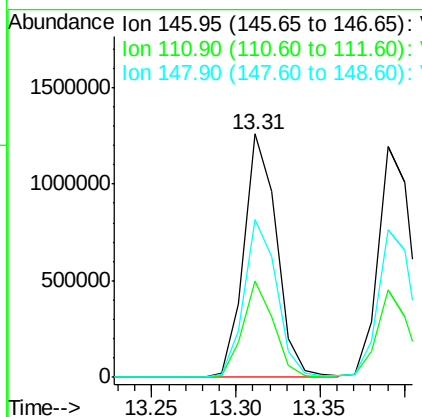
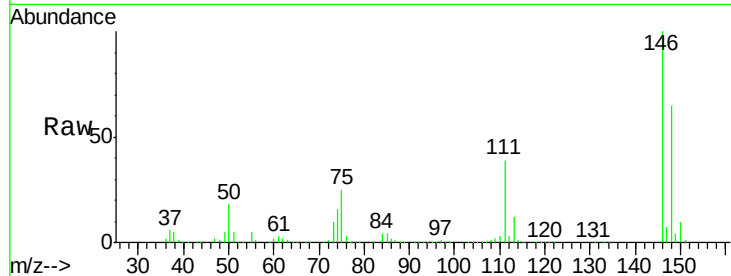




#87
 1,3-Dichlorobenzene
 Concen: 50.96 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

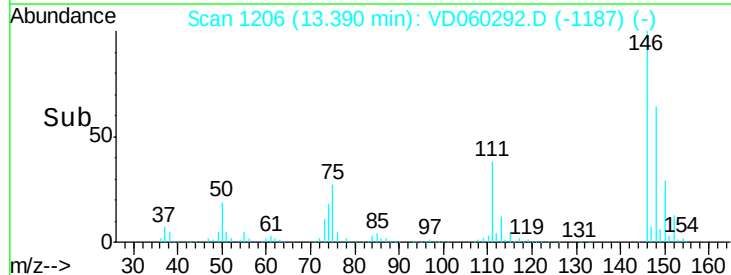
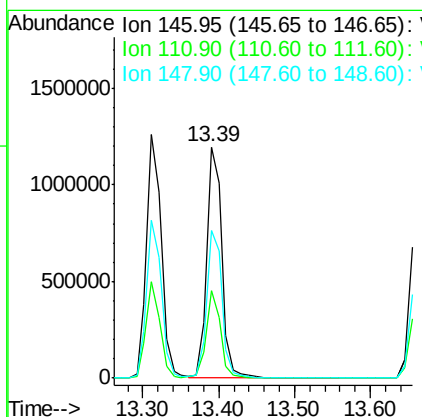
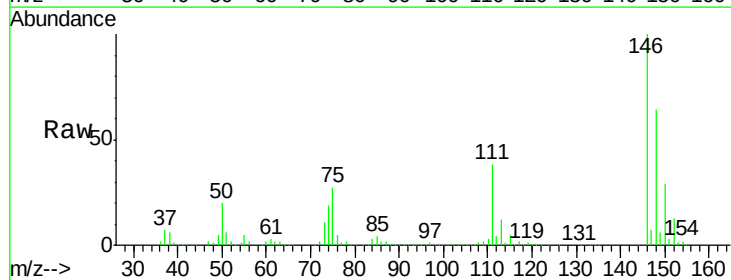
Instrument :
 MSVOA_D
 ClientSampleId :

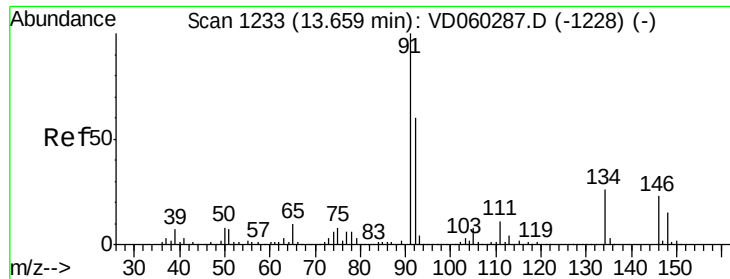
Tot Ion:146 Resp: 1699593
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.2 60.5
 148 64.9 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 51.31 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

Tgt Ion:146 Resp: 1671087
 Ion Ratio Lower Upper
 146 100
 111 38.1 16.0 47.9
 148 64.0 32.9 98.7

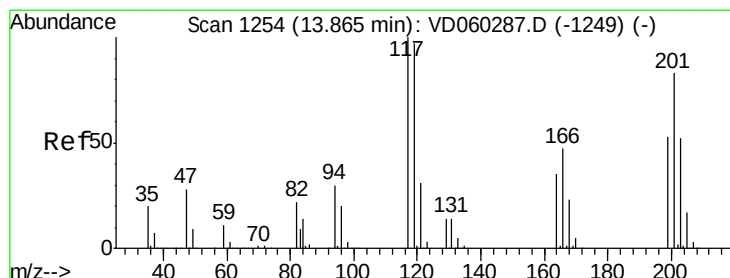
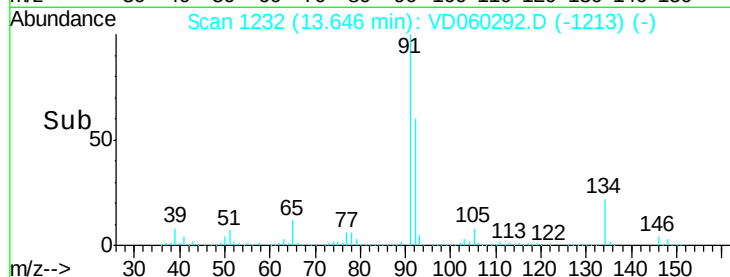
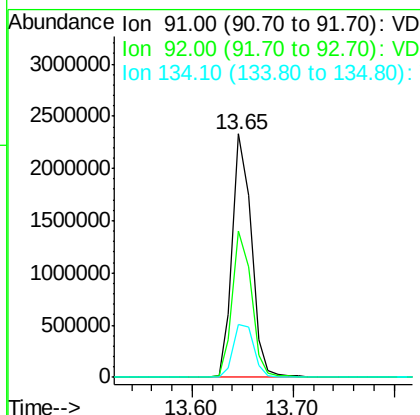
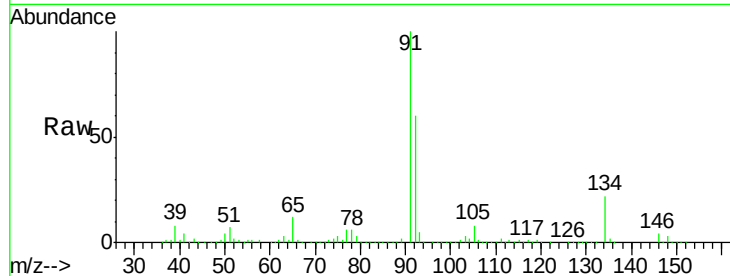




#89
n-Butylbenzene
Concen: 53.05 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

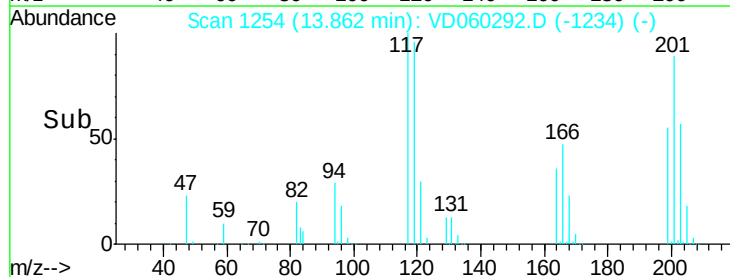
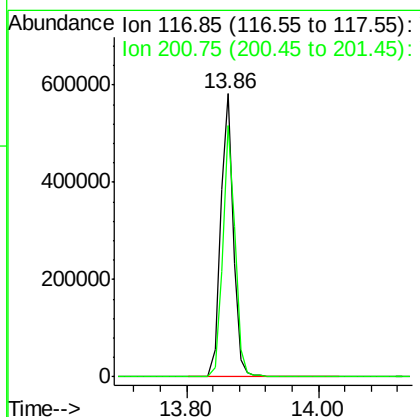
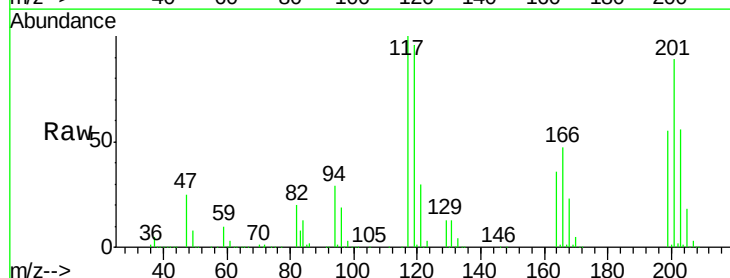
Instrument :
MSVOA_D
ClientSampleId :

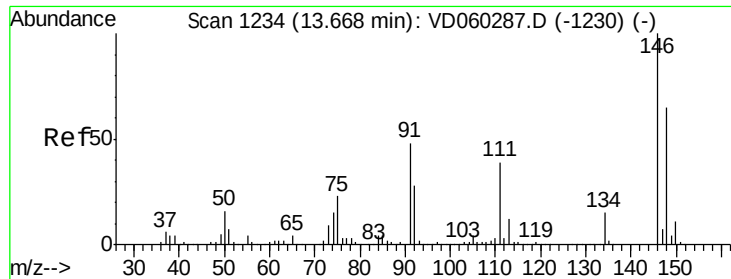
Tot Ion: 91 Resp: 3071794
Ion Ratio Lower Upper
91 100
92 60.1 30.3 90.9
134 21.8 13.0 38.9



#90
Hexachloroethane
Concen: 54.53 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion: 117 Resp: 777838
Ion Ratio Lower Upper
117 100
201 88.6 40.1 120.3

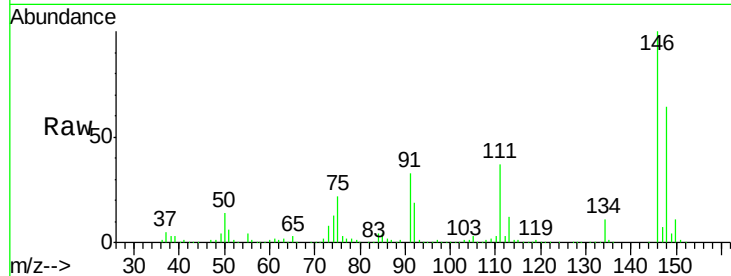




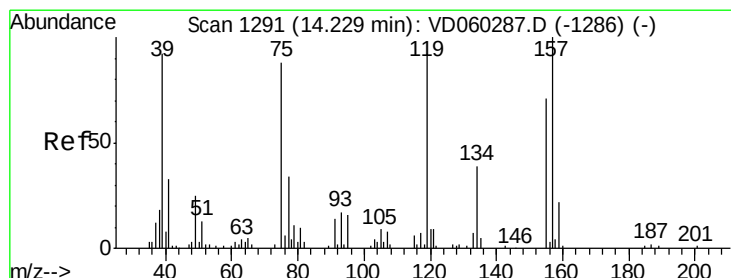
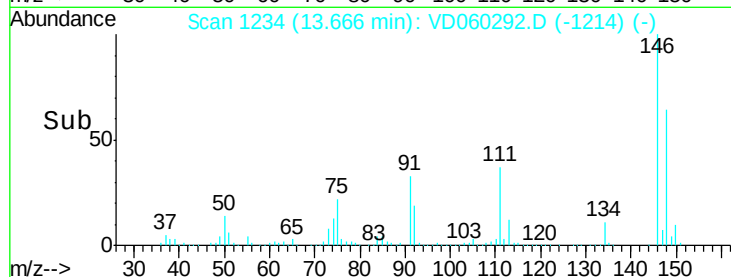
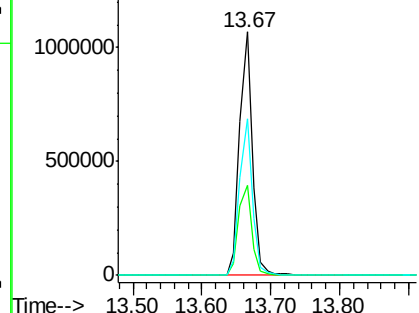
#91
 1,2-Dichlorobenzene
 Concen: 50.15 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 1373648
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.9 56.9
 148 64.1 31.6 94.8

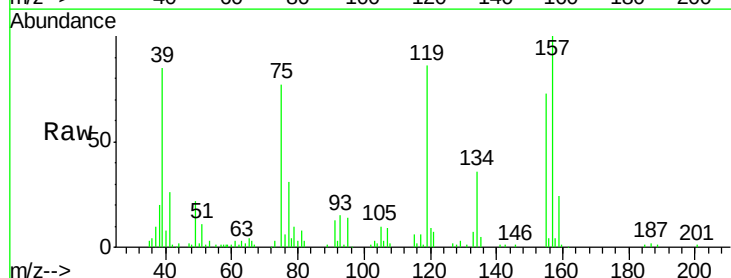


Abundance Ion 145.95 (145.65 to 146.65):
 Ion 110.90 (110.60 to 111.60):
 Ion 147.90 (147.60 to 148.60):

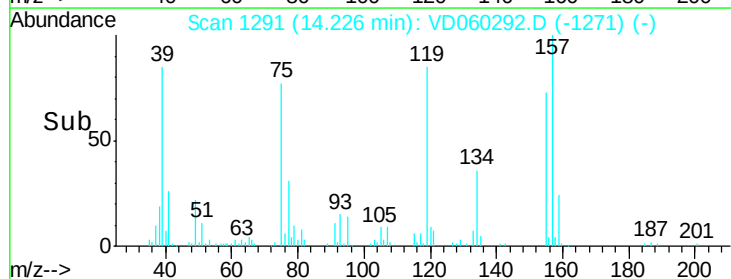
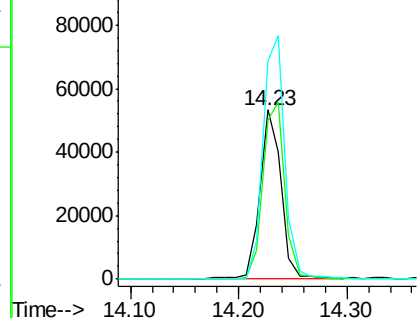


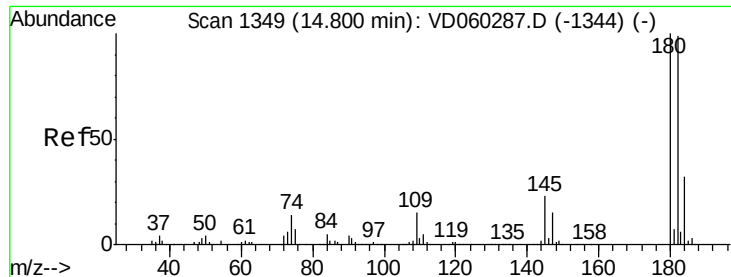
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.96 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

Tgt Ion: 75 Resp: 72383
 Ion Ratio Lower Upper
 75 100
 155 94.3 64.3 192.9
 157 129.2 81.0 243.1



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

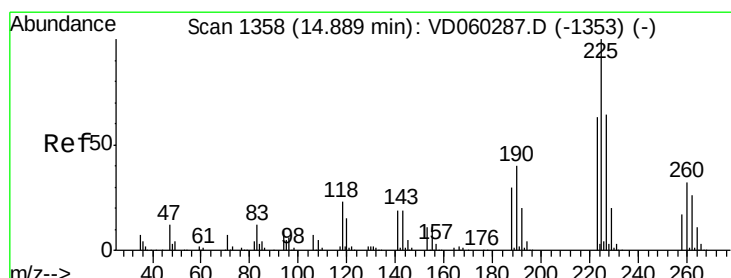
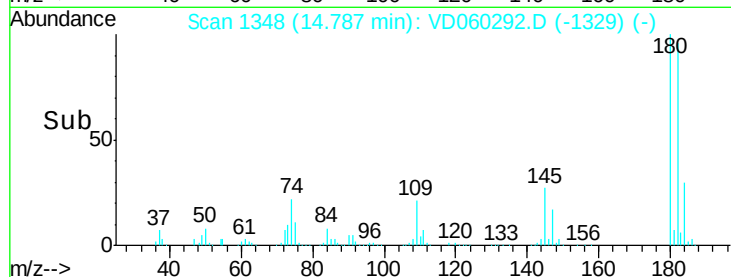
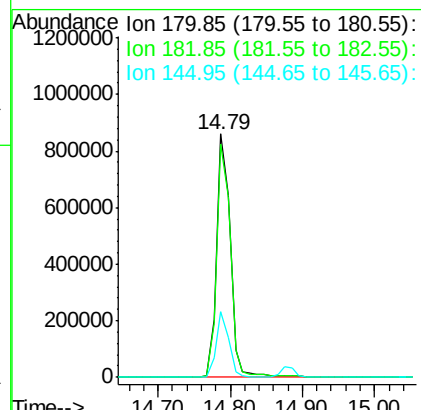
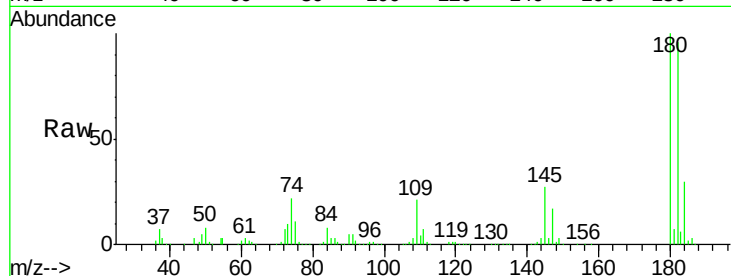




#93
 1,2,4-Trichlorobenzene
 Concen: 51.94 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

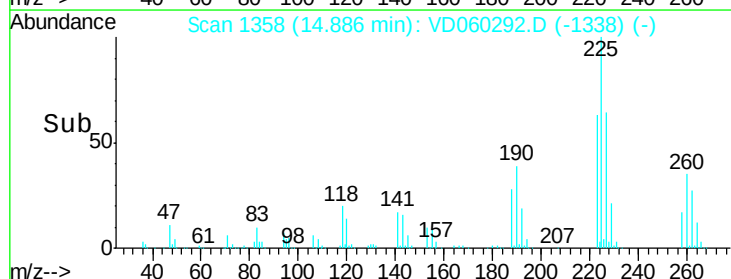
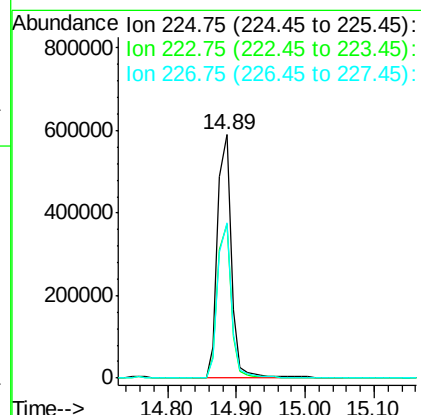
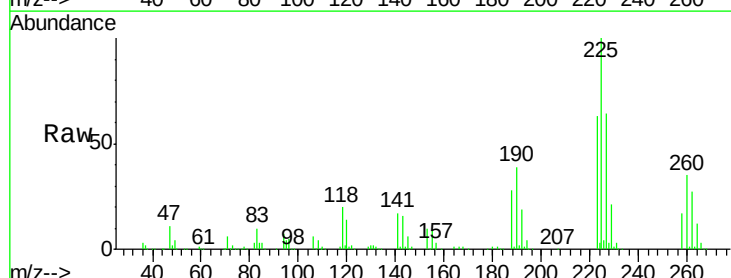
Instrument :
 MSVOA_D
 ClientSampled :

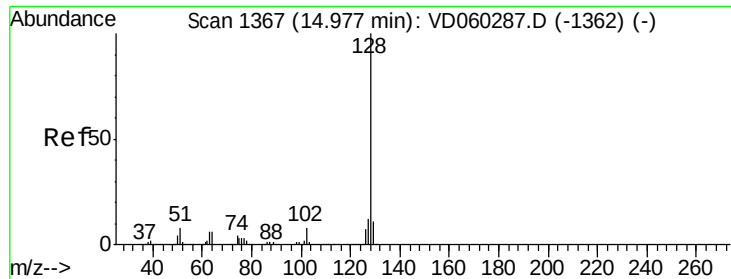
Tot Ion:180 Resp: 1128112
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.1 144.4
 145 26.8 11.5 34.4



#94
 Hexachlorobutadiene
 Concen: 51.36 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060292.D
 Acq: 7 Nov 2018 10:30

Tgt Ion:225 Resp: 834325
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 94.8
 227 63.8 32.3 96.9

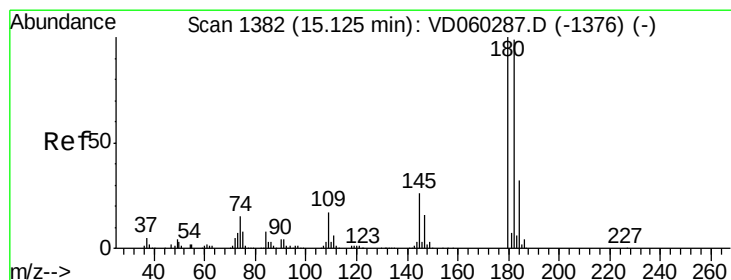
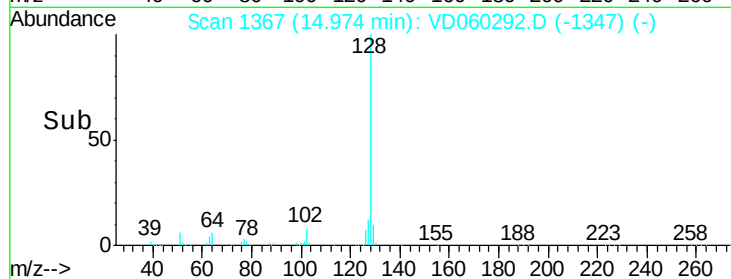
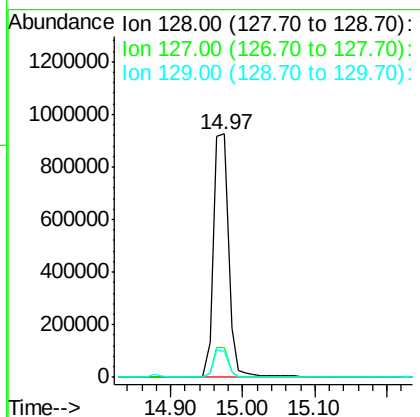
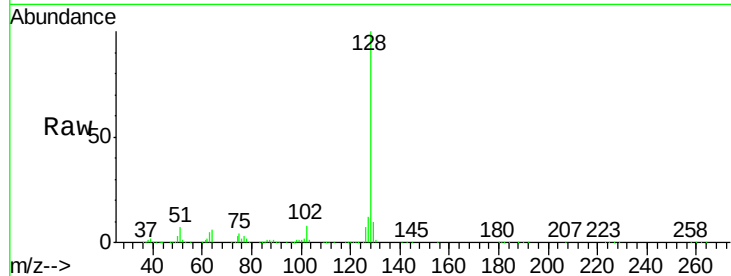




#95
Naphthalene
Concen: 50.68 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 1344031
Ion Ratio Lower Upper
128 100
127 12.5 9.6 14.4
129 10.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.44 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VD060292.D
Acq: 7 Nov 2018 10:30

Tgt Ion:180 Resp: 912705
Ion Ratio Lower Upper
180 100
182 95.4 48.9 146.7
145 29.6 12.9 38.6

