

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110718\
 Data File : VD060295.D
 Acq On : 7 Nov 2018 12:29
 Operator : JC/SY
 Sample : VD1107SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 07 13:59:00 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	1589982	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.45	114	2137699	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1749920	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.38	152	890873	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.80	65	558255	49.04	ug/l	0.00
Spiked Amount						
			Recovery	=	98.08%	
35) Dibromofluoromethane	6.33	113	824524	51.73	ug/l	0.00
Spiked Amount						
			Recovery	=	103.46%	
50) Toluene-d8	9.46	98	2416635	51.80	ug/l	0.00
Spiked Amount						
			Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.43	95	846589	50.08	ug/l	-0.01
Spiked Amount						
			Recovery	=	100.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	363298	27.03	ug/l	100
3) Chloromethane	1.76	50	319485	21.21	ug/l	98
4) Vinyl Chloride	1.86	62	270146	21.96	ug/l	99
5) Bromomethane	2.15	94	48330	16.56	ug/l	96
6) Chloroethane	2.26	64	73182	17.93	ug/l	99
7) Trichlorofluoromethane	2.52	101	292403	20.16	ug/l	99
8) Diethyl Ether	2.83	74	51634	19.67	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.10	101	195516	20.50	ug/l	98
10) Methyl Iodide	3.25	142	239173	19.31	ug/l	99
11) Tert butyl alcohol	3.97	59	45108	96.49	ug/l #	92
12) 1,1-Dichloroethene	3.08	96	156057	20.12	ug/l	93
13) Acrolein	2.99	56	42605	77.13	ug/l	100
14) Allyl chloride	3.54	41	298424	20.10	ug/l	98
15) Acrylonitrile	4.09	53	282290	103.55	ug/l	97
16) Acetone	3.17	43	217458	110.12	ug/l	97
17) Carbon Disulfide	3.32	76	488639	19.51	ug/l	97
18) Methyl Acetate	3.56	43	75788	18.00	ug/l	95
19) Methyl tert-butyl Ether	4.13	73	475054	20.45	ug/l	100
20) Methylene Chloride	3.73	84	352556	20.13	ug/l	98
21) trans-1,2-Dichloroethene	4.11	96	351098	20.38	ug/l	98
22) Diisopropyl ether	4.86	45	1133823	20.44	ug/l	94
23) Vinyl Acetate	4.81	43	2872504	104.09	ug/l	97
24) 1,1-Dichloroethane	4.76	63	568823	20.00	ug/l	99
25) 2-Butanone	5.63	43	436687	106.39	ug/l	98
26) 2,2-Dichloropropane	5.60	77	470856	21.30	ug/l	99
27) cis-1,2-Dichloroethene	5.61	96	362875	20.22	ug/l	97
28) Bromochloromethane	5.93	49	247440	19.72	ug/l	99
29) Tetrahydrofuran	5.96	42	221551	102.38	ug/l	98
30) Chloroform	6.11	83	579134	20.37	ug/l	99
31) Cyclohexane	6.37	56	557130	20.50	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	479367	20.02	ug/l	100
36) 1,1-Dichloropropene	6.53	75	452140	21.41	ug/l	99
37) Ethyl Acetate	5.70	43	201291	20.71	ug/l #	97
38) Carbon Tetrachloride	6.51	117	421433	21.51	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	514417	21.18	ug/l	97
40) Benzene	6.81	78	1116736	20.71	ug/l	98
41) Methacrylonitrile	5.95	41	232109	20.87	ug/l	97
42) 1,2-Dichloroethane	6.91	62	298947	21.19	ug/l	98
43) Isopropyl Acetate	8.35	43	243463	19.94	ug/l #	96
44) Trichloroethene	7.75	130	355246	21.74	ug/l	90
45) 1,2-Dichloropropane	8.12	63	286431	21.07	ug/l	97
46) Dibromomethane	8.22	93	165113	20.73	ug/l	98
47) Bromodichloromethane	8.50	83	384956	20.51	ug/l	98
48) Methyl methacrylate	8.25	41	158994	21.44	ug/l	98
49) 1,4-Dioxane	8.23	88	26779	417.39	ug/l #	84
51) 4-Methyl-2-Pentanone	9.35	43	820379	103.25	ug/l	99
52) Toluene	9.56	92	712143	20.68	ug/l	99
53) t-1,3-Dichloropropene	9.93	75	331826	20.93	ug/l	99
54) cis-1,3-Dichloropropene	9.11	75	414338	20.38	ug/l	97
55) 1,1,2-Trichloroethane	10.19	97	206207	20.66	ug/l	95
56) Ethyl methacrylate	10.03	69	189468	20.65	ug/l	99
57) 1,3-Dichloropropane	10.39	76	313205	20.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	620137	111.76	ug/l	99
59) 2-Hexanone	10.50	43	634901	112.11	ug/l	100
60) Dibromochloromethane	10.64	129	251512	20.73	ug/l	98
61) 1,2-Dibromoethane	10.76	107	206721	20.67	ug/l	99
64) Tetrachloroethene	10.26	164	320670	20.53	ug/l	96
65) Chlorobenzene	11.32	112	782679	20.64	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	261571	21.08	ug/l	98
67) Ethyl Benzene	11.43	91	1385433	21.36	ug/l	99
68) m/p-Xylenes	11.57	106	1018078	42.55	ug/l	98
69) o-Xylene	11.94	106	468332	20.26	ug/l	95
70) Styrene	11.96	104	764016	20.45	ug/l	99
71) Bromoform	12.12	173	164630	19.75	ug/l	99
73) Isopropylbenzene	12.28	105	1346944	20.75	ug/l	99
74) N-amyl acetate	12.14	43	328810	19.76	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.56	83	215668	20.32	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	208456	19.56	ug/l	99
77) Bromobenzene	12.54	156	353488	20.50	ug/l	97
78) n-propylbenzene	12.64	91	1667845	20.59	ug/l	100
79) 2-Chlorotoluene	12.71	91	912739	20.57	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	1061411	21.04	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.35	75	58222	19.19	ug/l	92
82) 4-Chlorotoluene	12.81	91	1042792	20.92	ug/l	100
83) tert-Butylbenzene	13.06	119	1186929	21.19	ug/l	100
84) 1,2,4-Trimethylbenzene	13.09	105	1062350	21.09	ug/l	99
85) sec-Butylbenzene	13.22	105	1440249	20.96	ug/l	100
86) p-Isopropyltoluene	13.35	119	1165918	21.07	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	628569	20.49	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	628540	20.98	ug/l	99
89) n-Butylbenzene	13.65	91	1196242	19.61	ug/l	95
90) Hexachloroethane	13.86	117	264658	20.17	ug/l	94
91) 1,2-Dichlorobenzene	13.67	146	538230	21.36	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.23	75	23734	18.52	ug/l	61

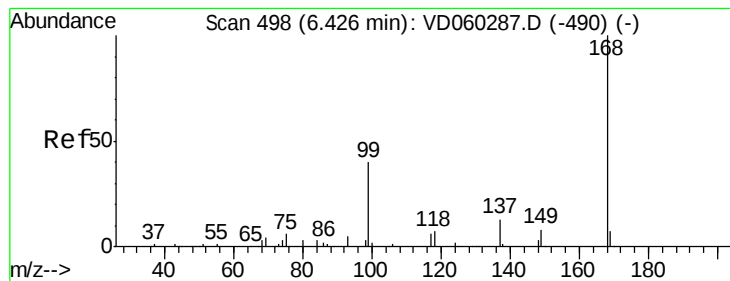
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	407929	20.42	ug/l	95
94) Hexachlorobutadiene	14.89	225	303769	20.33	ug/l	99
95) Naphthalene	14.97	128	479539	19.66	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	317780	19.85	ug/l	100

(#) = 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: VD060295.D

Acq: 7 Nov 2018 12:29

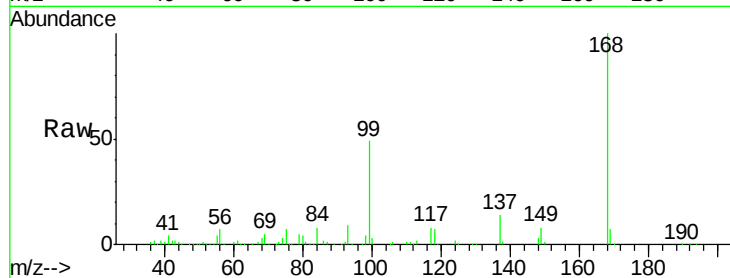
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1589982

Ion Ratio Lower Upper

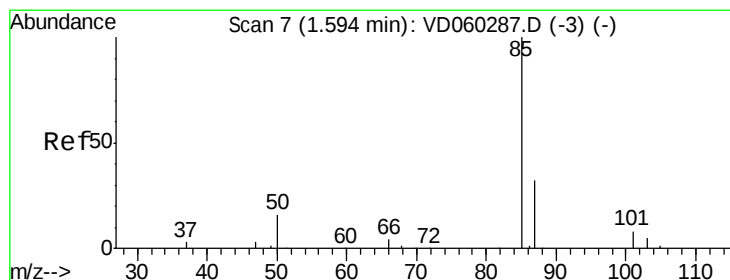
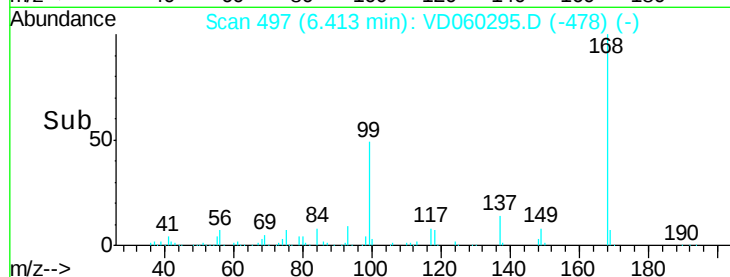
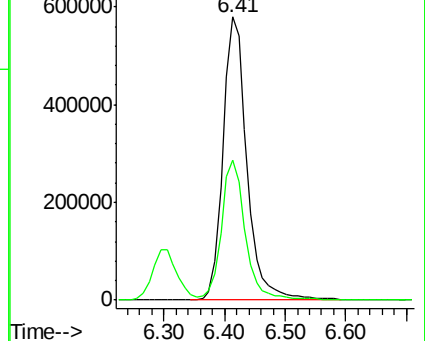
168 100

99 49.4 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: 27.03 ug/l

RT: 1.59 min Scan# 7

Delta R.T. -0.00 min

Lab File: VD060295.D

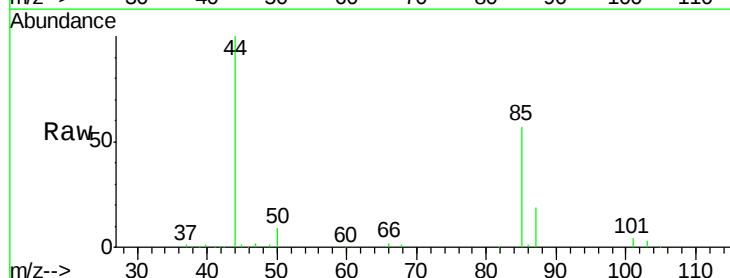
Acq: 7 Nov 2018 12:29

Tgt Ion: 85 Resp: 363298

Ion Ratio Lower Upper

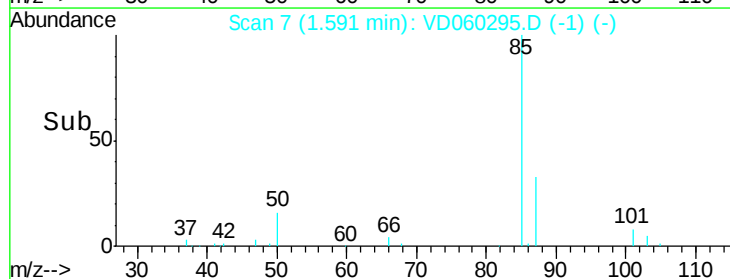
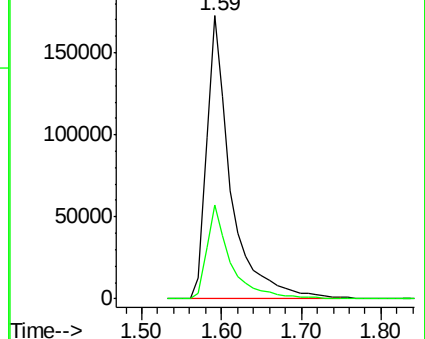
85 100

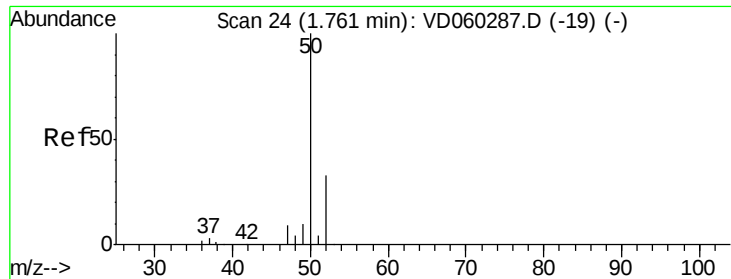
87 33.3 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VD

Ion 86.90 (86.60 to 87.60): VD





#3

Chloromethane

Concen: 21.21 ug/l

RT: 1.76 min Scan# 24

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

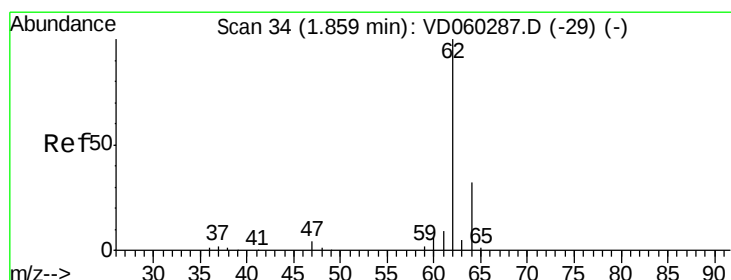
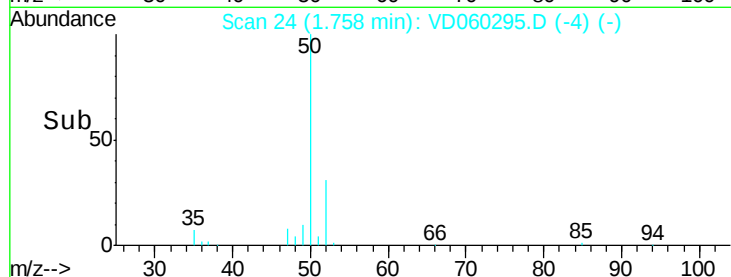
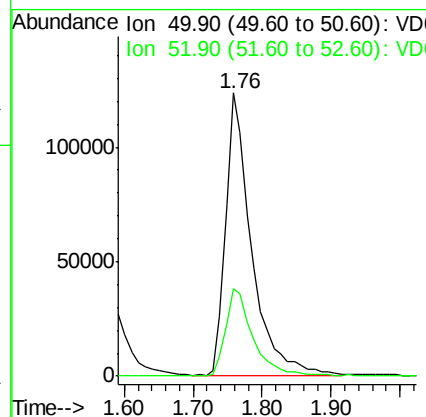
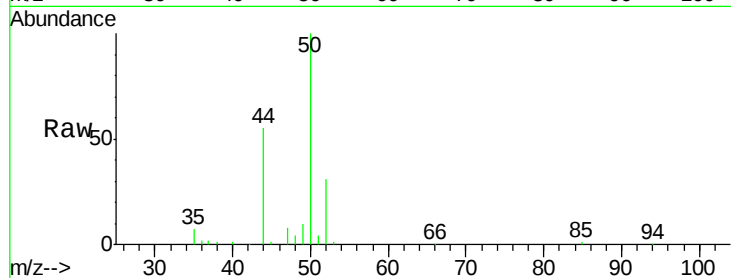
ClientSampleId :

Tot Ion: 50 Resp: 319485

Ion Ratio Lower Upper

50 100

52 31.1 25.8 38.6



#4

Vinyl Chloride

Concen: 21.96 ug/l

RT: 1.86 min Scan# 34

Delta R.T. -0.00 min

Lab File: VD060295.D

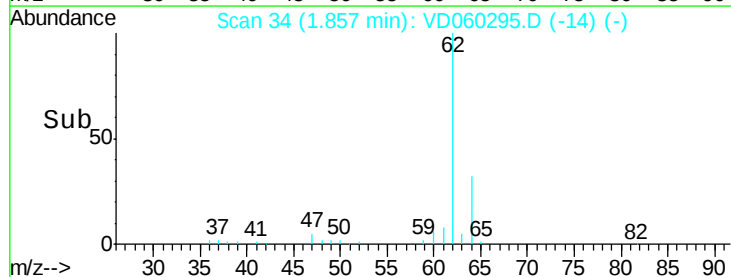
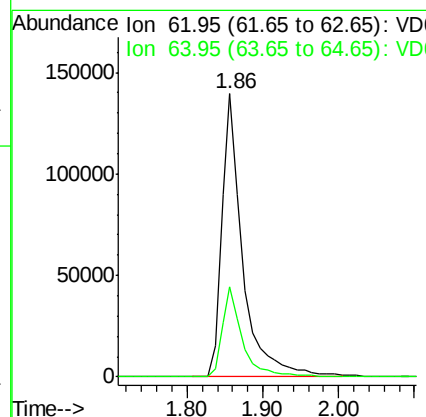
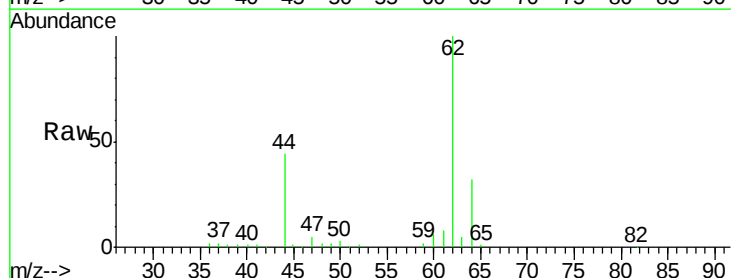
Acq: 7 Nov 2018 12:29

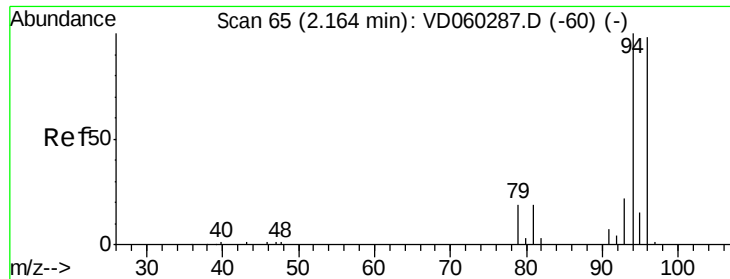
Tgt Ion: 62 Resp: 270146

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3





#5

Bromomethane

Concen: 16.56 ug/l

RT: 2.15 min Scan# 64

Delta R.T. -0.01 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

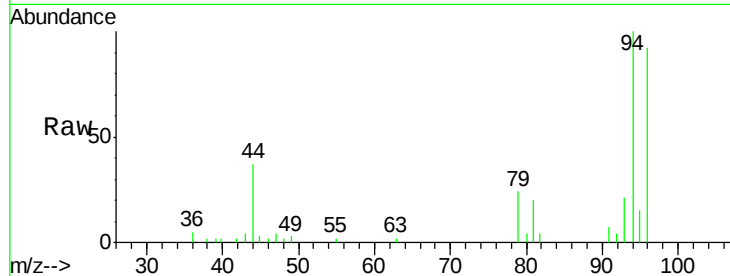
ClientSampleId :

Tot Ion: 94 Resp: 48330

Ion Ratio Lower Upper

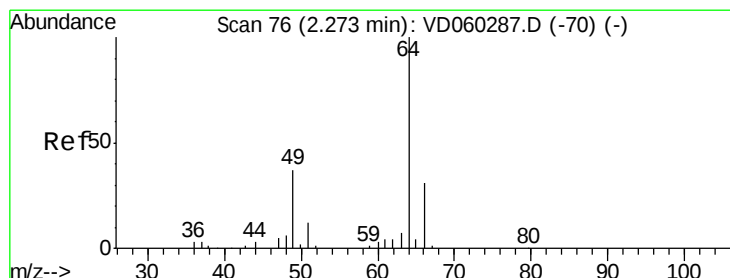
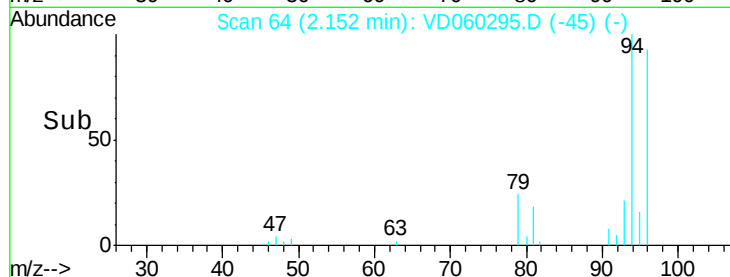
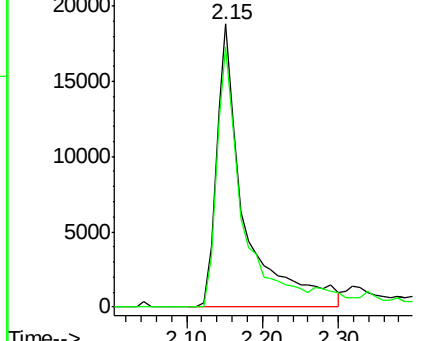
94 100

96 91.8 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: 17.93 ug/l

RT: 2.26 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD060295.D

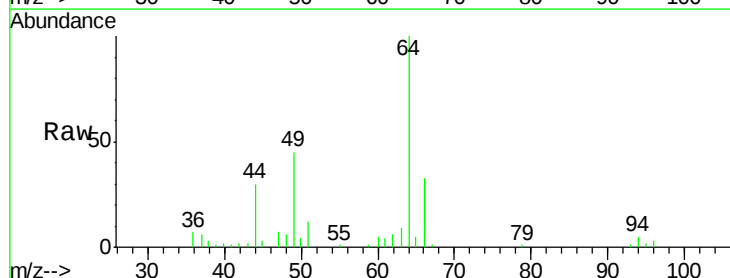
Acq: 7 Nov 2018 12:29

Tgt Ion: 64 Resp: 73182

Ion Ratio Lower Upper

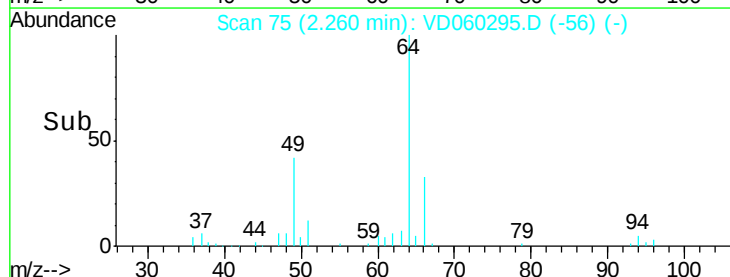
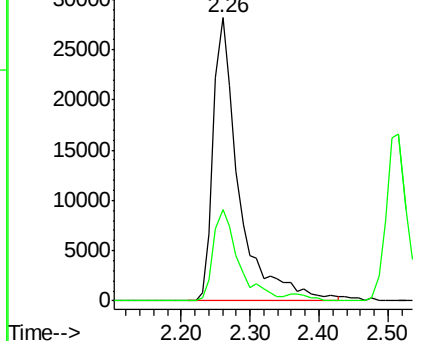
64 100

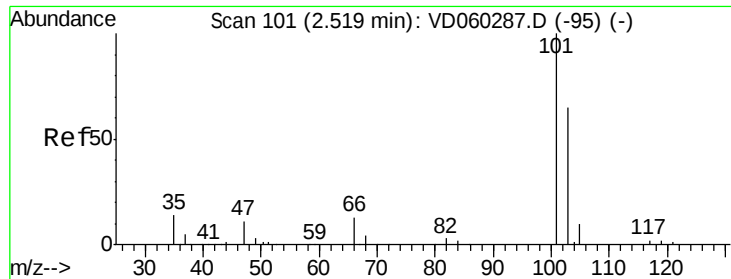
66 32.5 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VD

Ion 65.90 (65.60 to 66.60): VD



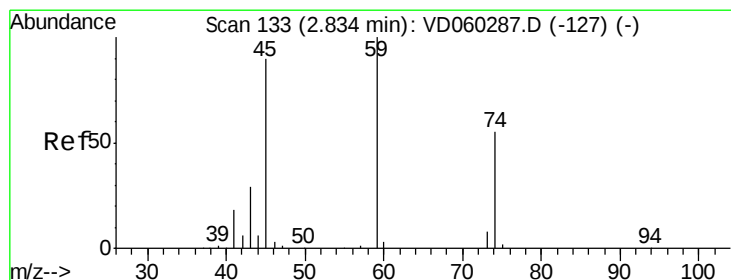
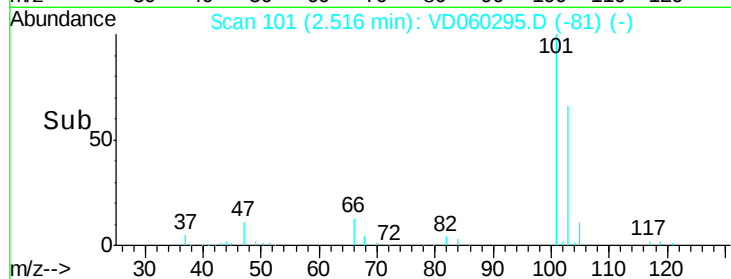
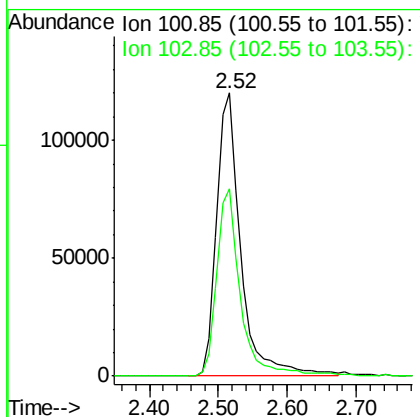
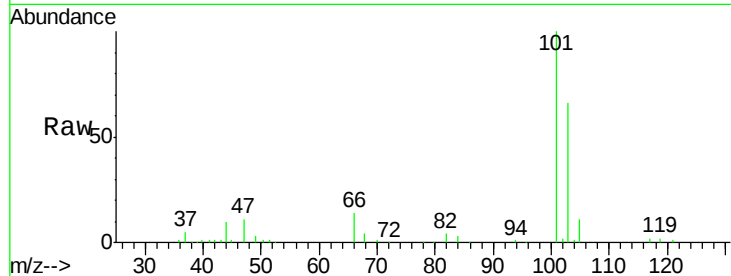


#7

Trichlorofluoromethane
 Concen: 20.16 ug/l
 RT: 2.52 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleId :

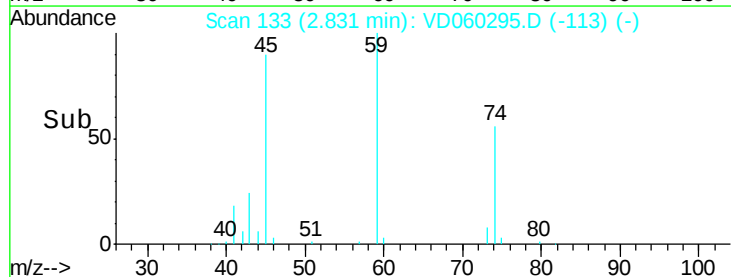
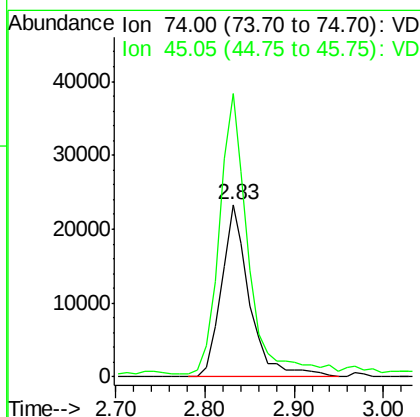
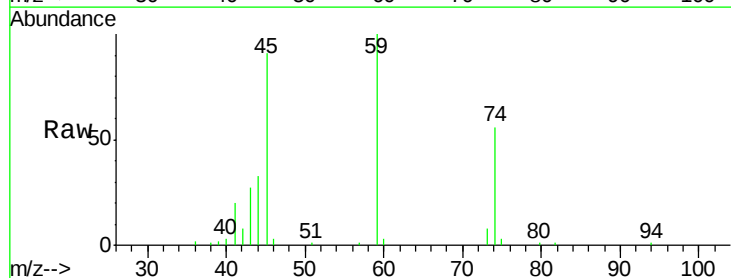
Tot Ion:101 Resp: 292403
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.6 80.4

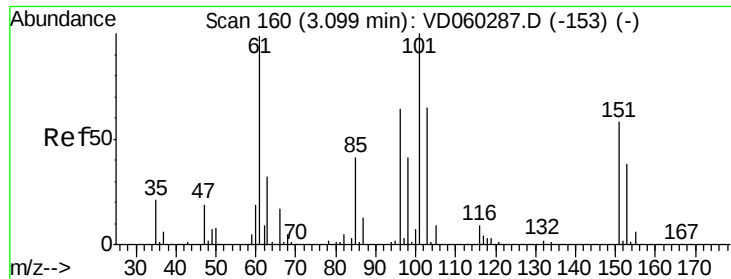


#8

Diethyl Ether
 Concen: 19.67 ug/l
 RT: 2.83 min Scan# 133
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion: 74 Resp: 51634
 Ion Ratio Lower Upper
 74 100
 45 164.0 84.8 254.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.50 ug/l

RT: 3.10 min Scan# 160

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampled :

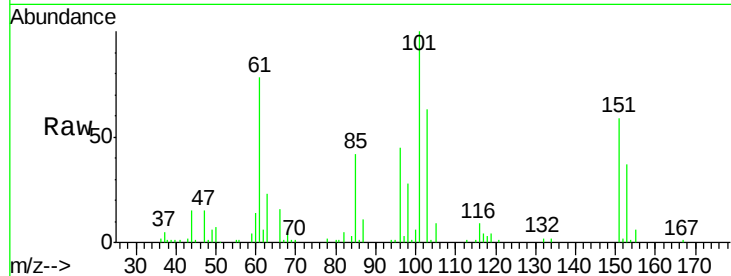
Tot Ion:101 Resp: 195516

Ion Ratio Lower Upper

101 100

85 41.7 31.4 47.0

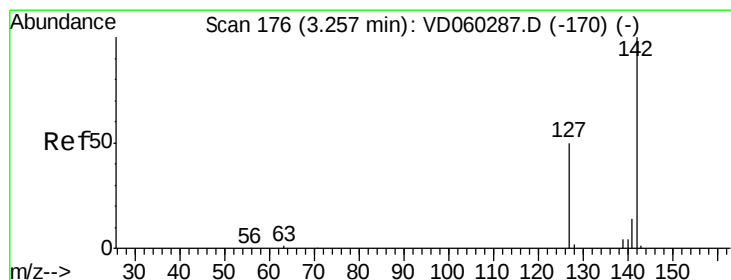
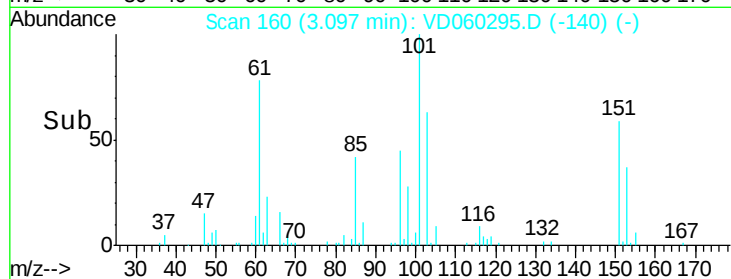
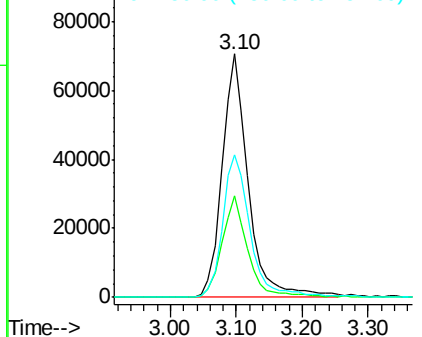
151 58.6 47.4 71.0



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: 19.31 ug/l

RT: 3.25 min Scan# 176

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

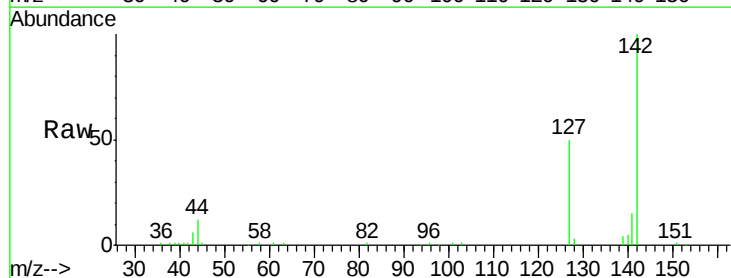
Tgt Ion:142 Resp: 239173

Ion Ratio Lower Upper

142 100

127 50.5 41.0 61.6

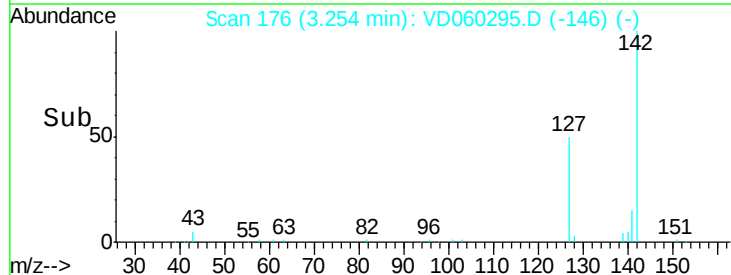
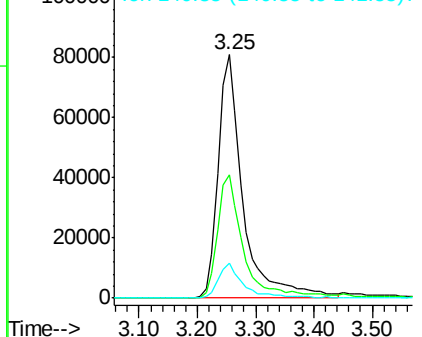
141 14.6 11.9 17.9

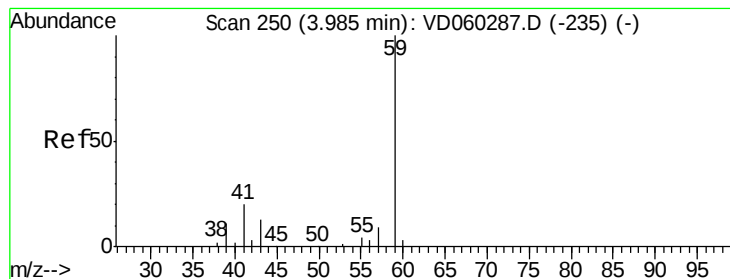


Abundance Ion 141.85 (141.55 to 142.55):

Ion 126.80 (126.50 to 127.50):

Ion 140.85 (140.55 to 141.55):



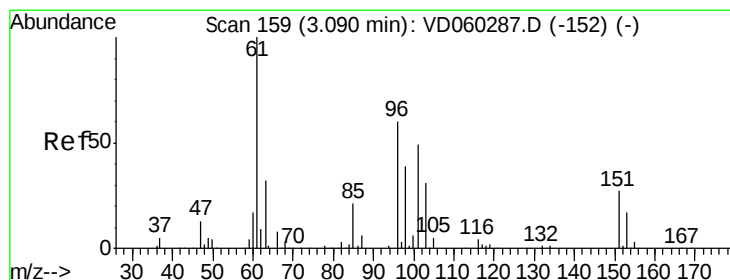
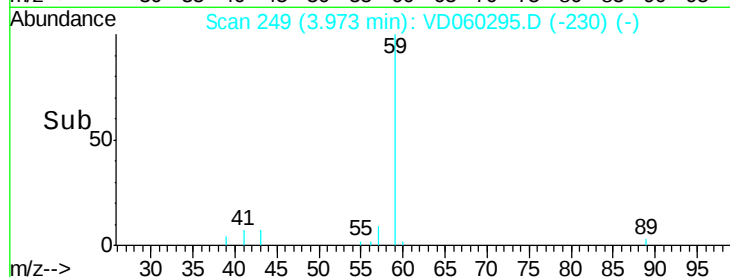
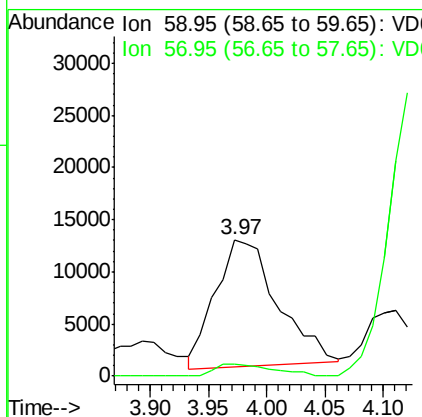
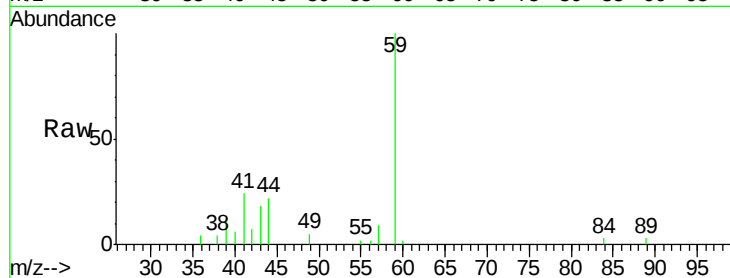


#11

Tert butyl alcohol
 Concen: 96.49 ug/l
 RT: 3.97 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampled :

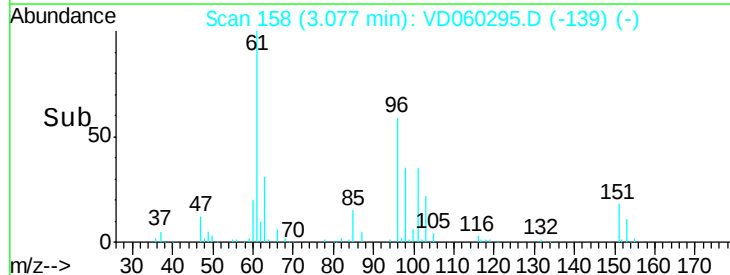
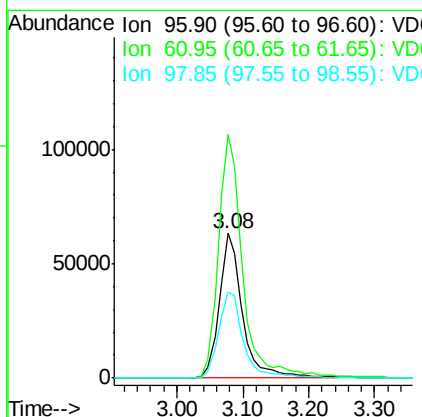
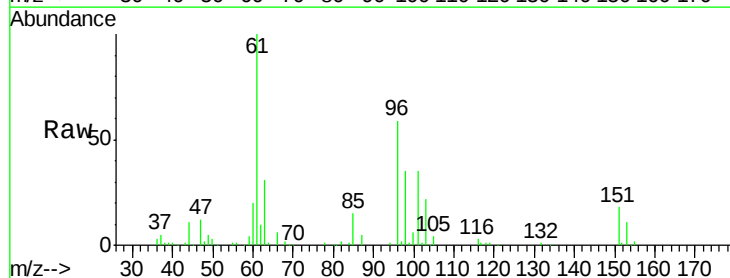
Tot Ion: 59 Resp: 45108
 Ion Ratio Lower Upper
 59 100
 57 8.7 9.3 13.9#

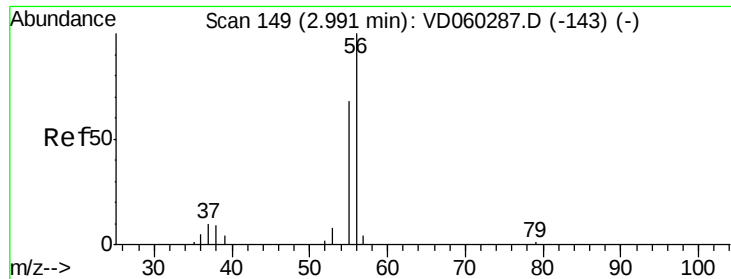


#12

1,1-Dichloroethene
 Concen: 20.12 ug/l
 RT: 3.08 min Scan# 158
 Delta R.T. -0.01 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion: 96 Resp: 156057
 Ion Ratio Lower Upper
 96 100
 61 168.6 142.2 213.4
 98 59.8 52.6 79.0





#13

Acrolein

Concen: 77.13 ug/l

RT: 2.99 min Scan# 149

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

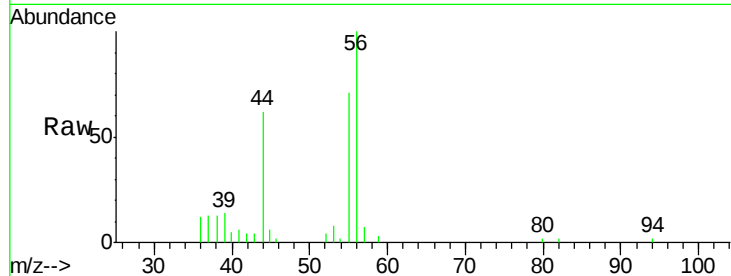
ClientSampleId :

Tot Ion: 56 Resp: 42605

Ion Ratio Lower Upper

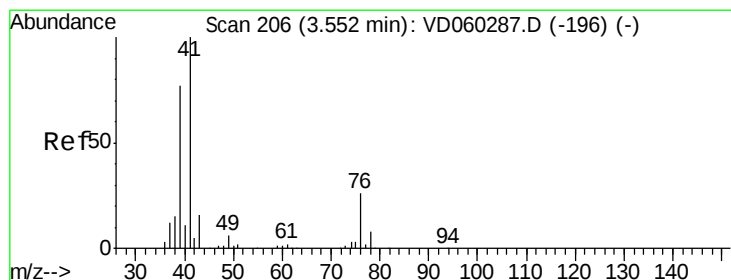
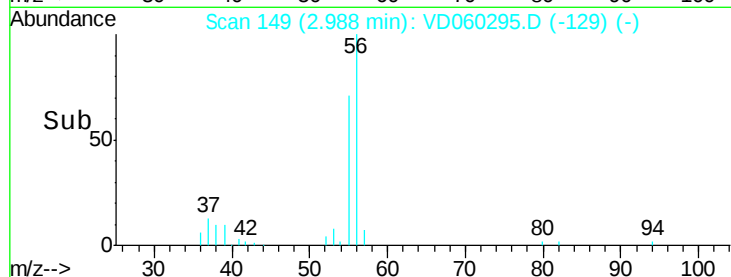
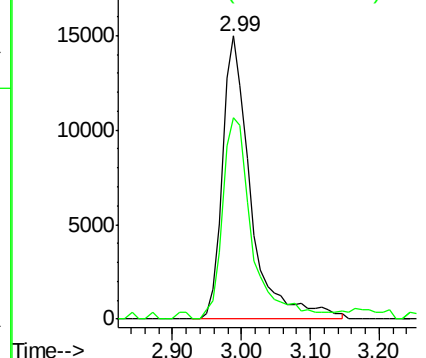
56 100

55 71.1 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VD

Ion 55.00 (54.70 to 55.70): VD



#14

Allyl chloride

Concen: 20.10 ug/l

RT: 3.54 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

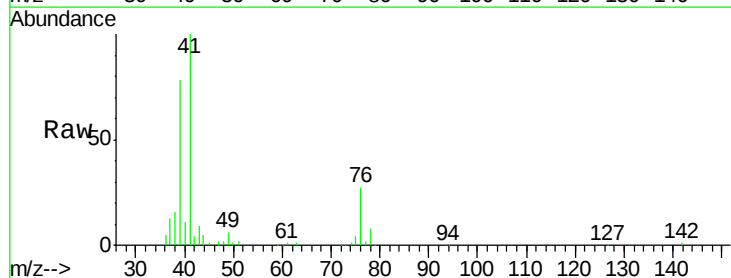
Tgt Ion: 41 Resp: 298424

Ion Ratio Lower Upper

41 100

39 77.8 60.4 90.6

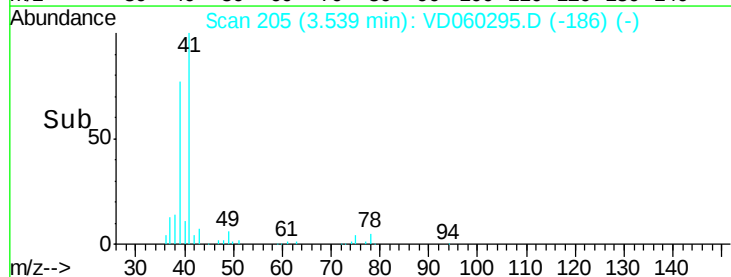
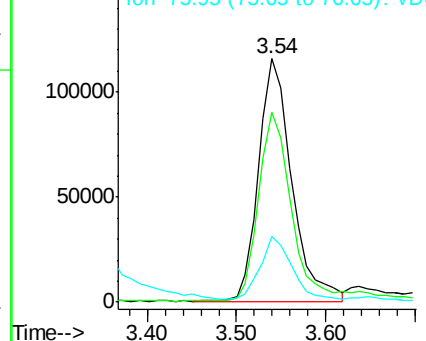
76 27.1 21.8 32.8

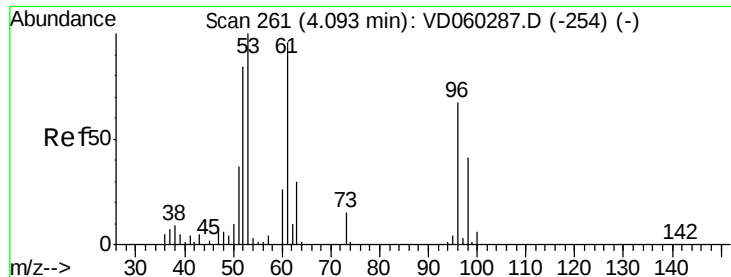


Abundance Ion 41.05 (40.75 to 41.75): VD

Ion 38.95 (38.65 to 39.65): VD

Ion 75.95 (75.65 to 76.65): VD





#15

Acrylonitrile

Concen: 103.55 ug/l

RT: 4.09 min Scan# 261

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

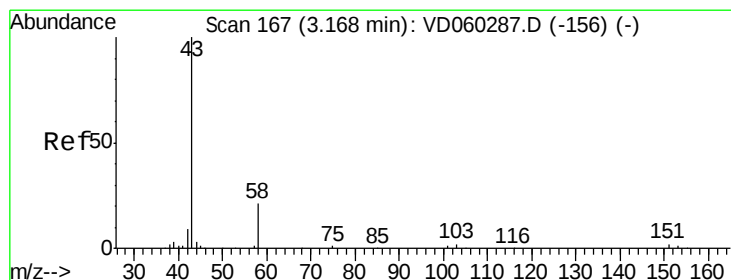
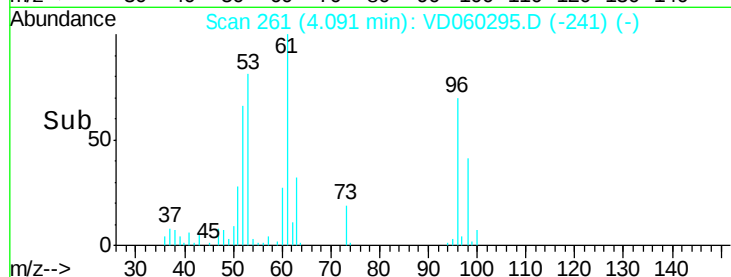
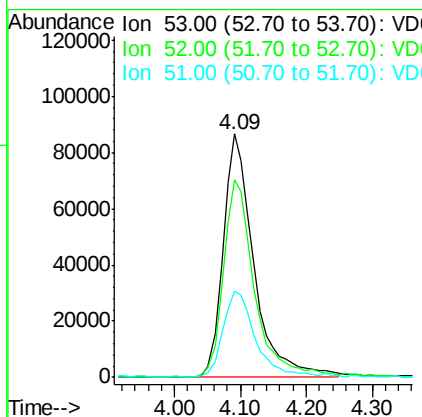
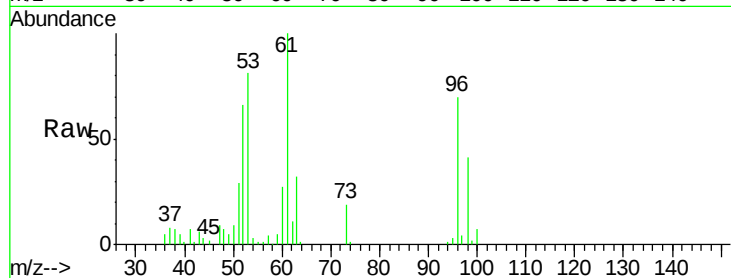
Tot Ion: 53 Resp: 282290

Ion Ratio Lower Upper

53 100

52 81.4 67.0 100.4

51 35.5 29.9 44.9



#16

Acetone

Concen: 110.12 ug/l

RT: 3.17 min Scan# 167

Delta R.T. -0.00 min

Lab File: VD060295.D

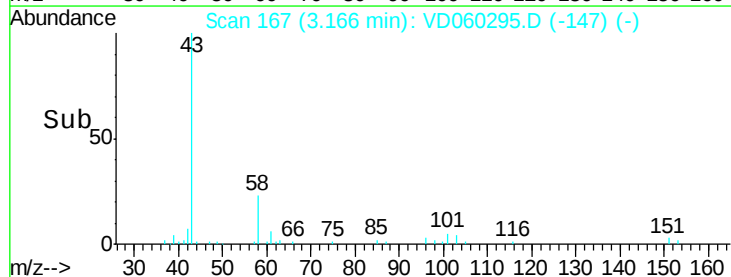
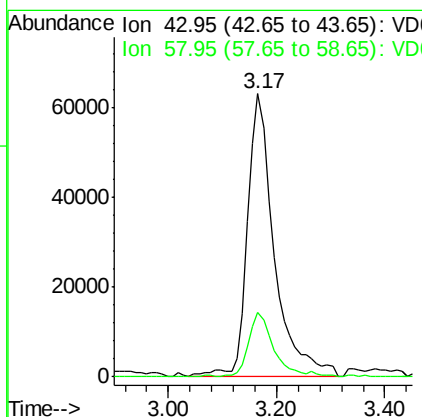
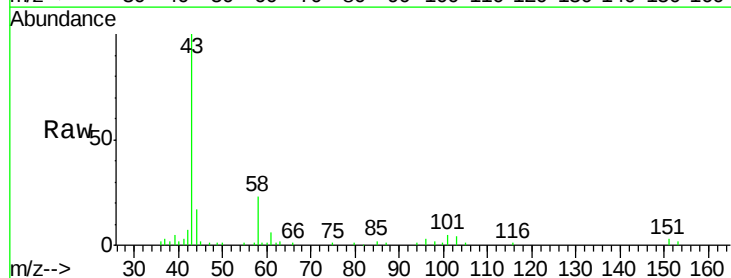
Acq: 7 Nov 2018 12:29

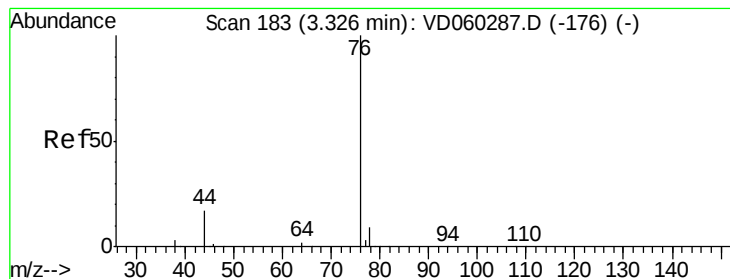
Tgt Ion: 43 Resp: 217458

Ion Ratio Lower Upper

43 100

58 22.7 16.9 25.3





#17

Carbon Disulfide

Concen: 19.51 ug/l

RT: 3.32 min Scan# 183

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

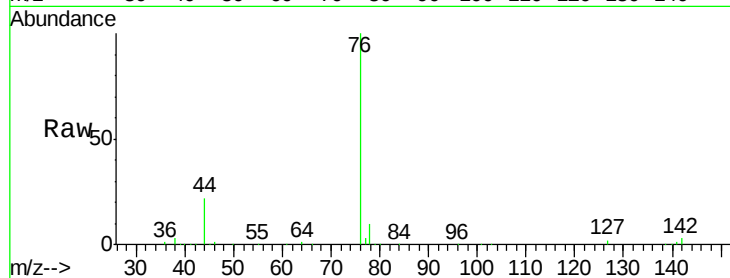
ClientSampleId :

Tot Ion: 76 Resp: 488639

Ion Ratio Lower Upper

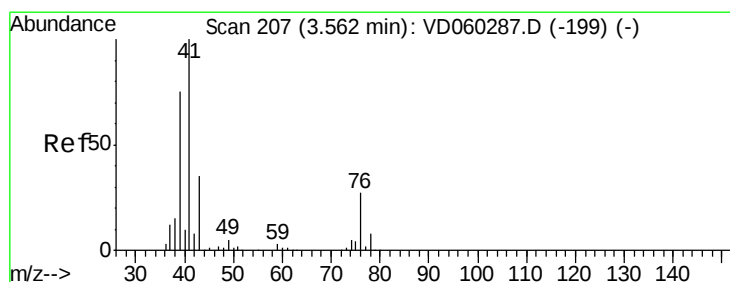
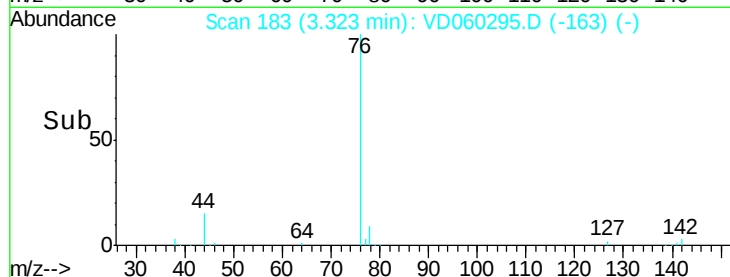
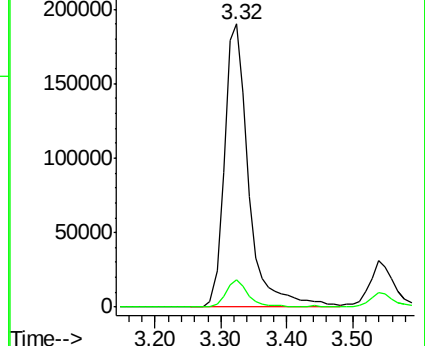
76 100

78 9.6 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: 18.00 ug/l

RT: 3.56 min Scan# 207

Delta R.T. -0.00 min

Lab File: VD060295.D

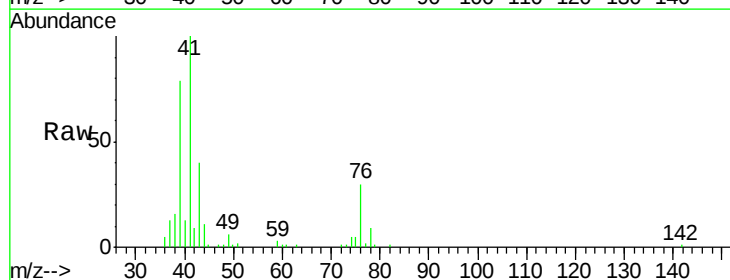
Acq: 7 Nov 2018 12:29

Tgt Ion: 43 Resp: 75788

Ion Ratio Lower Upper

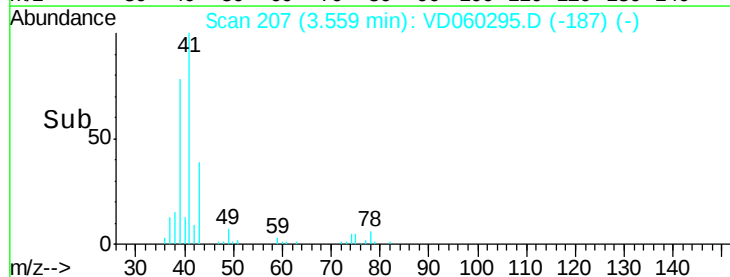
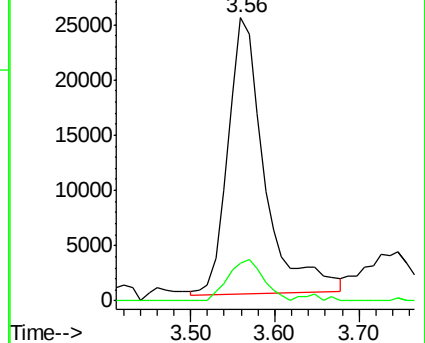
43 100

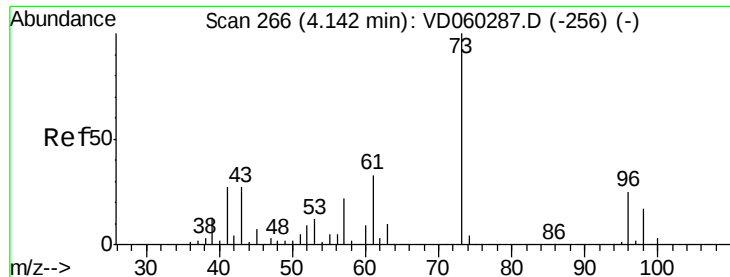
74 13.2 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VD

Ion 74.00 (73.70 to 74.70): VD



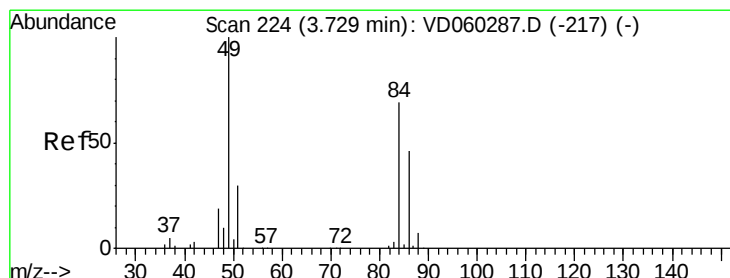
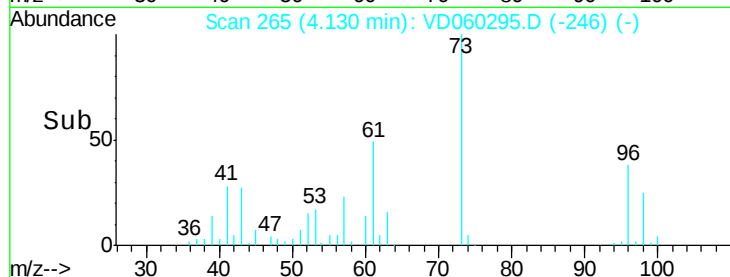
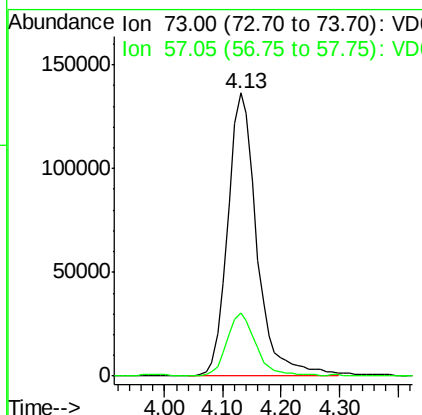
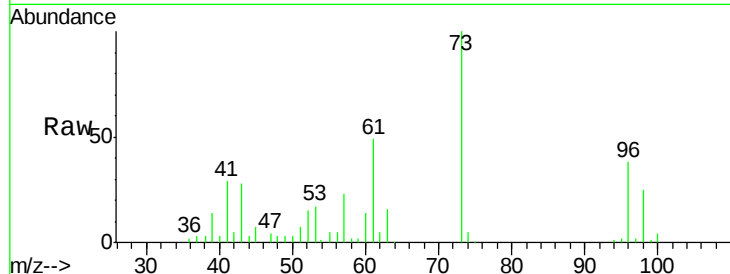


#19

Methyl tert-butyl Ether
 Concen: 20.45 ug/l
 RT: 4.13 min Scan# 265
 Delta R.T. -0.01 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampleID :

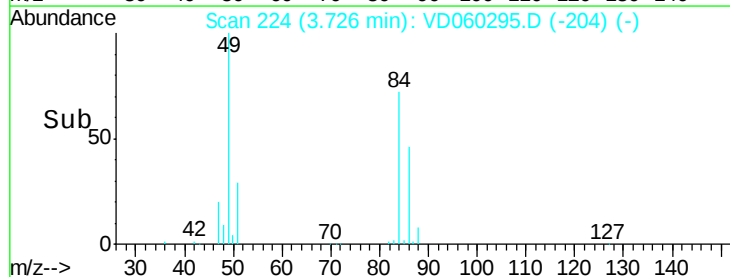
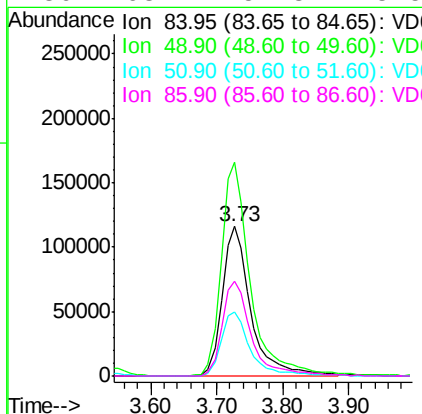
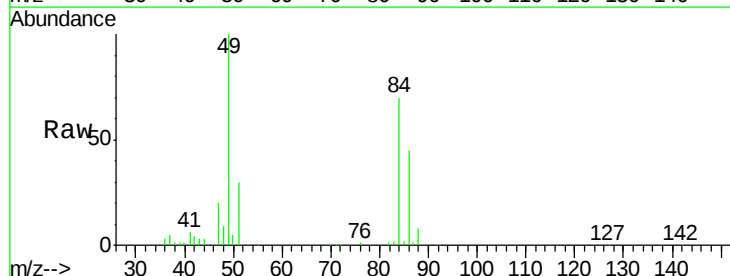
Tot Ion: 73 Resp: 475054
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.1 27.1

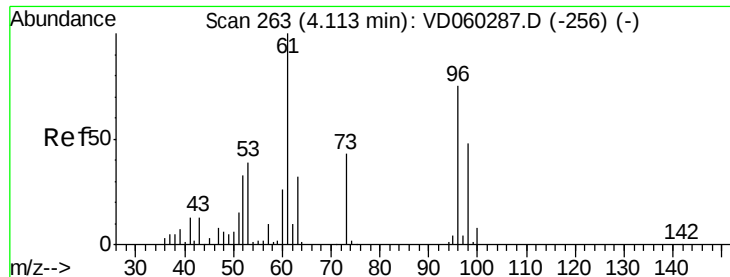


#20

Methylene Chloride
 Concen: 20.13 ug/l
 RT: 3.73 min Scan# 224
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion: 84 Resp: 352556
 Ion Ratio Lower Upper
 84 100
 49 143.1 115.6 173.4
 51 42.5 35.6 53.4
 86 63.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 20.38 ug/l

RT: 4.11 min Scan# 263

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampled :

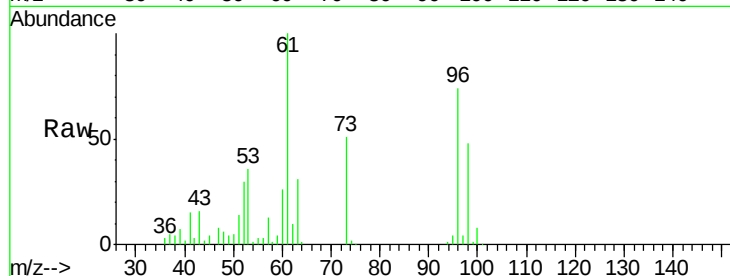
Tot Ion: 96 Resp: 351098

Ion Ratio Lower Upper

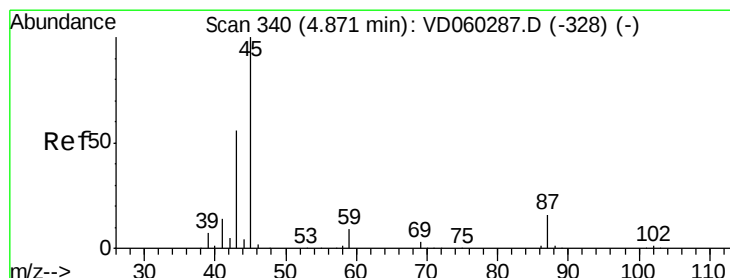
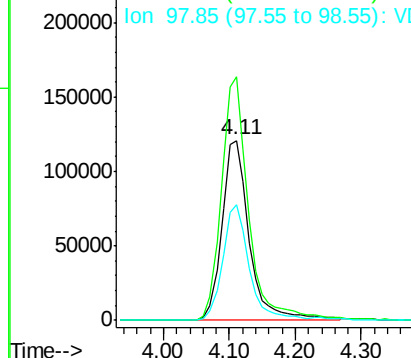
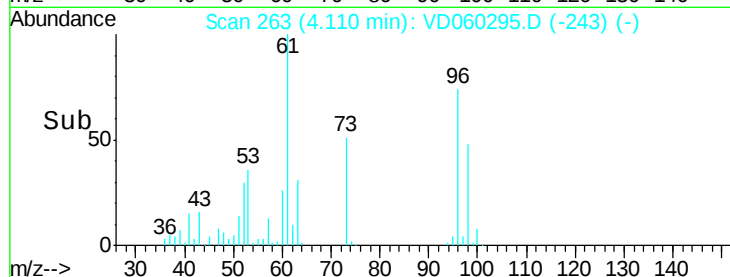
96 100

61 135.4 105.8 158.6

98 64.6 50.8 76.2



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



#22

Diisopropyl ether

Concen: 20.44 ug/l

RT: 4.86 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Tgt Ion: 45 Resp: 1133823

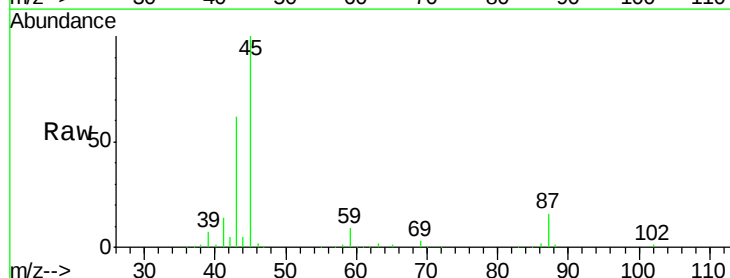
Ion Ratio Lower Upper

45 100

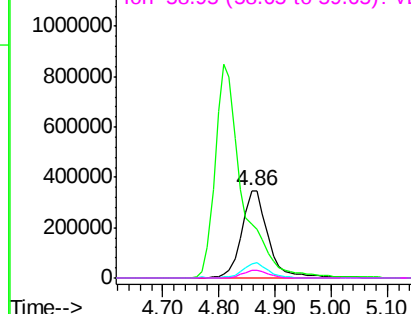
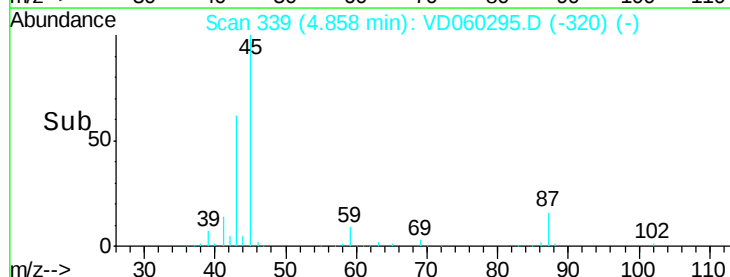
43 61.9 44.9 67.3

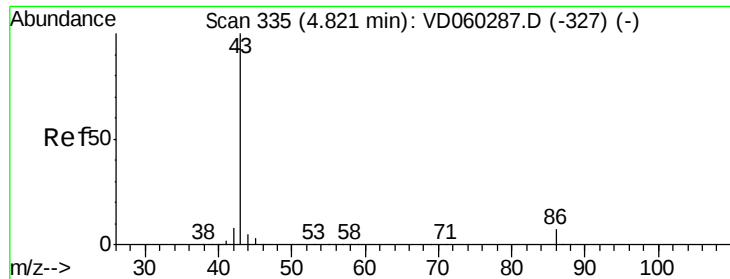
87 15.9 13.9 20.9

59 8.7 7.0 10.6



Abundance Ion 45.05 (44.75 to 45.75): VD
Ion 43.05 (42.75 to 43.75): VD
Ion 87.00 (86.70 to 87.70): VD
Ion 58.95 (58.65 to 59.65): VD

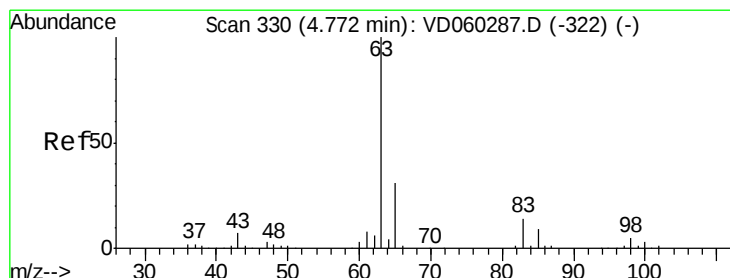
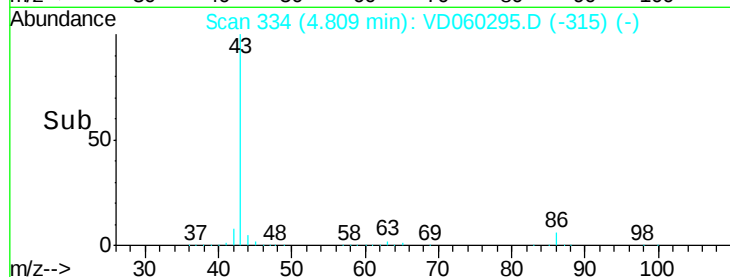
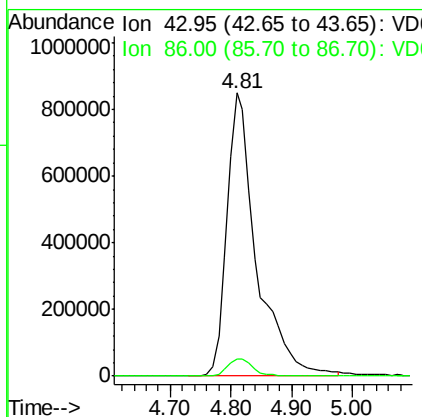
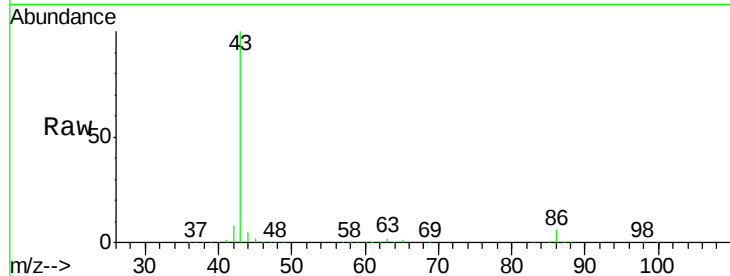




#23
 Vinyl Acetate
 Concen: 104.09 ug/l
 RT: 4.81 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

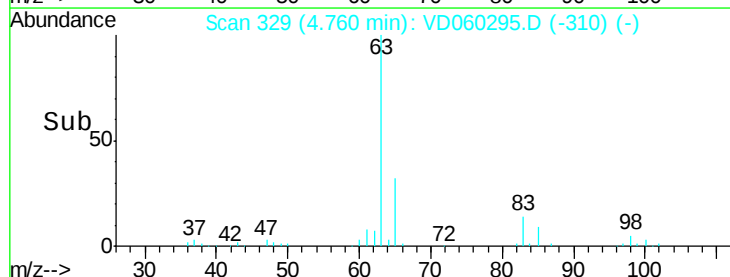
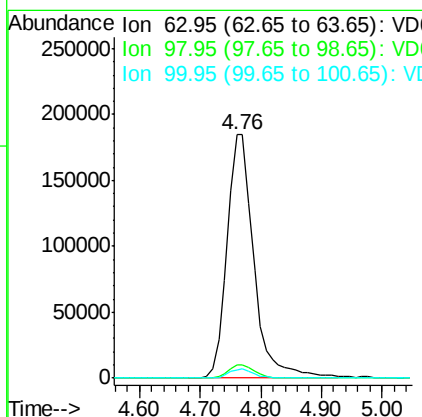
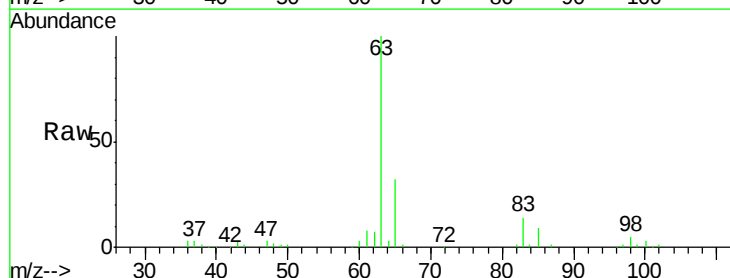
Instrument :
 MSVOA_D
 ClientSampleID :

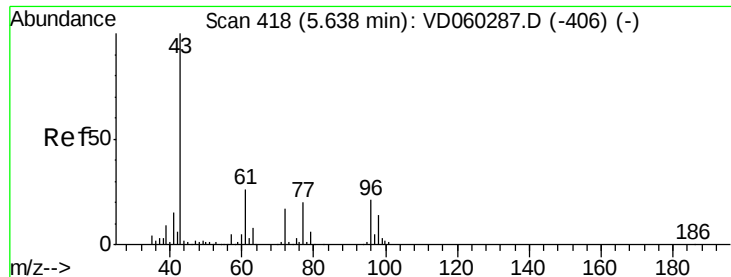
Tot Ion: 43 Resp: 2872504
 Ion Ratio Lower Upper
 43 100
 86 6.2 5.7 8.5



#24
 1,1-Dichloroethane
 Concen: 20.00 ug/l
 RT: 4.76 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion: 63 Resp: 568823
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.8 8.4
 100 3.5 1.8 5.5





#25

2-Butanone

Concen: 106.39 ug/l

RT: 5.63 min Scan# 417

Delta R.T. -0.01 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

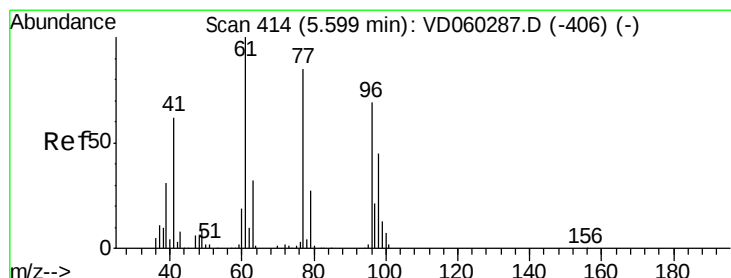
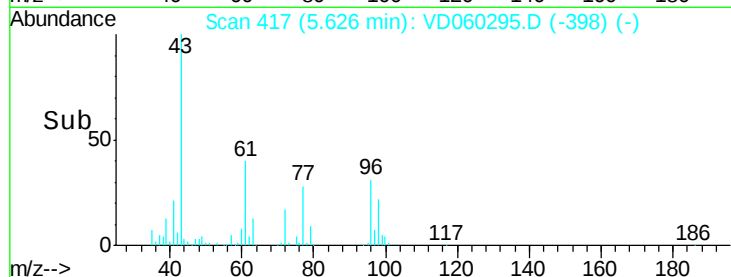
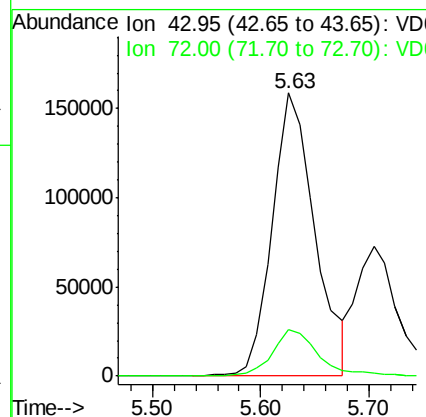
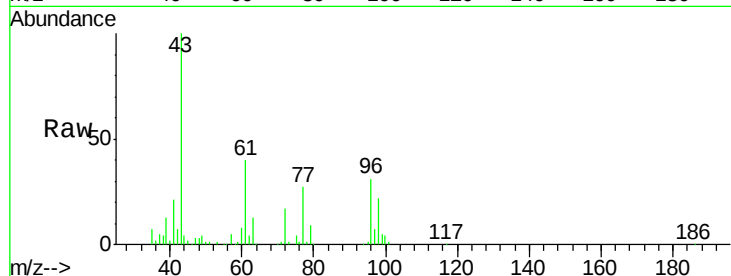
ClientSampleId :

Tot Ion: 43 Resp: 436687

Ion Ratio Lower Upper

43 100

72 16.6 13.8 20.8



#26

2,2-Dichloropropane

Concen: 21.30 ug/l

RT: 5.60 min Scan# 414

Delta R.T. -0.00 min

Lab File: VD060295.D

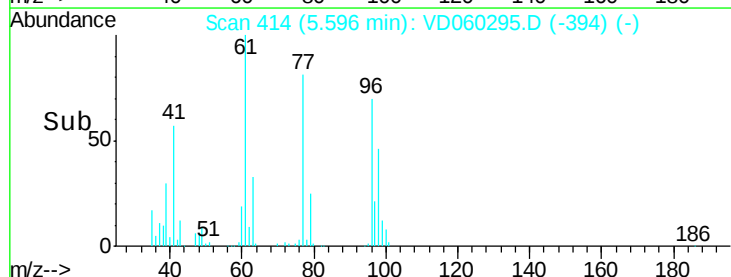
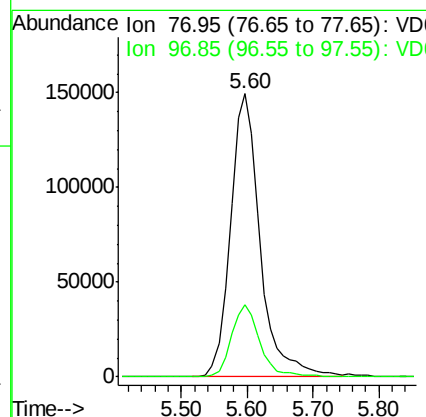
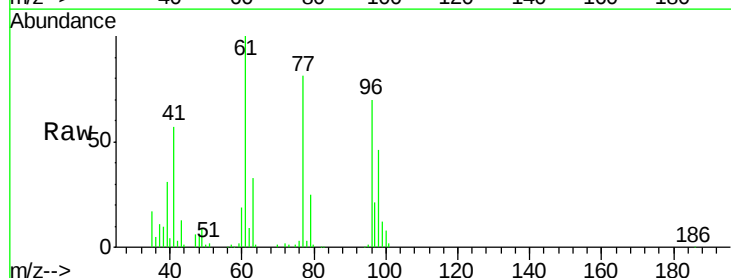
Acq: 7 Nov 2018 12:29

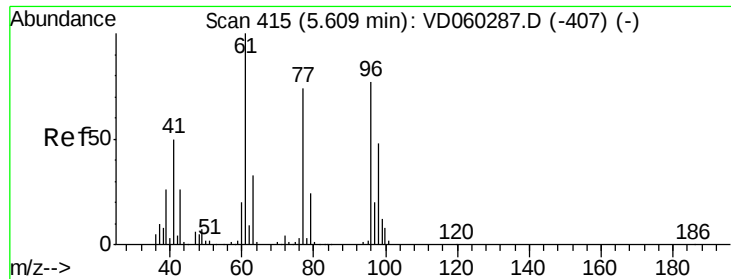
Tgt Ion: 77 Resp: 470856

Ion Ratio Lower Upper

77 100

97 25.7 12.6 37.8





#27

cis-1,2-Dichloroethene

Concen: 20.22 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampled :

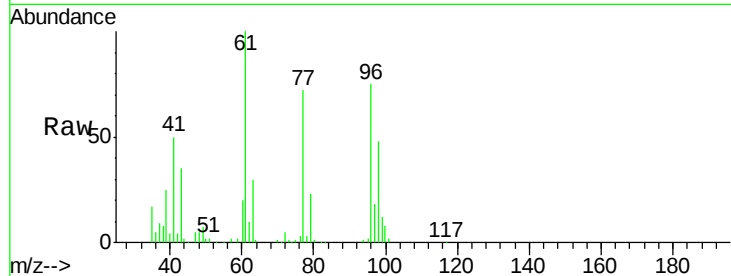
Tot Ion: 96 Resp: 362875

Ion Ratio Lower Upper

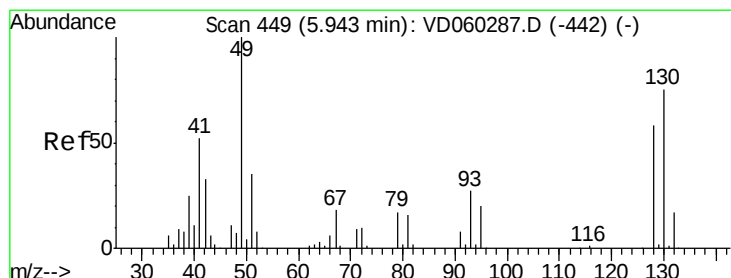
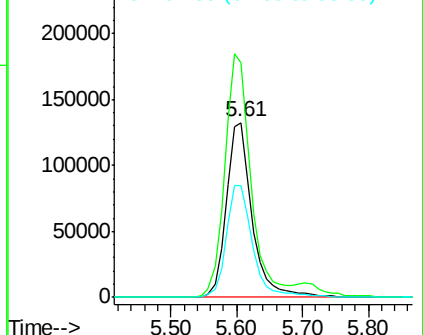
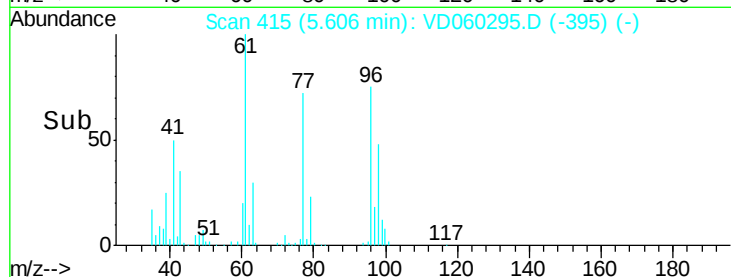
96 100

61 133.9 0.0 259.0

98 63.7 0.0 128.8



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



#28

Bromochloromethane

Concen: 19.72 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.01 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

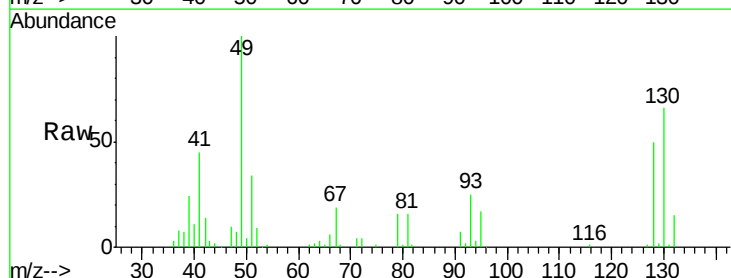
Tgt Ion: 49 Resp: 247440

Ion Ratio Lower Upper

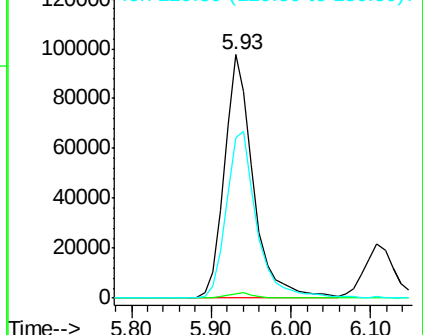
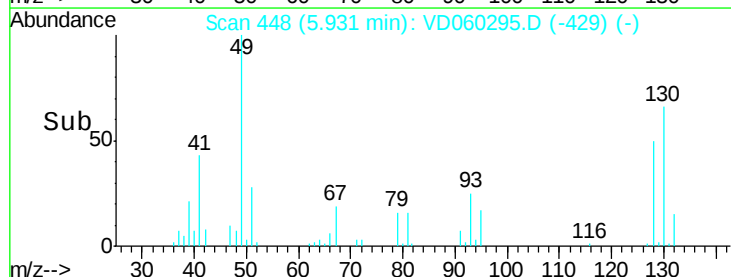
49 100

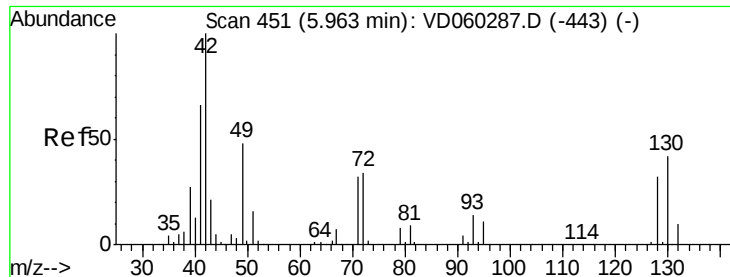
129 1.8 0.0 2.8

130 66.1 53.6 80.4



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

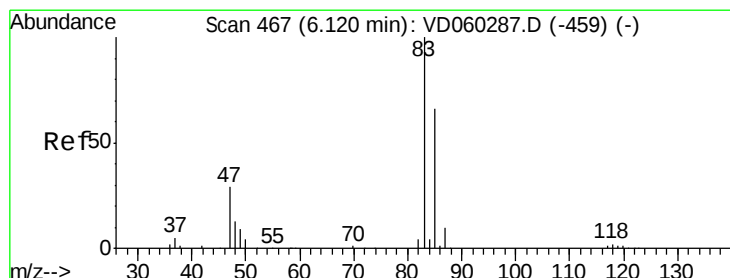
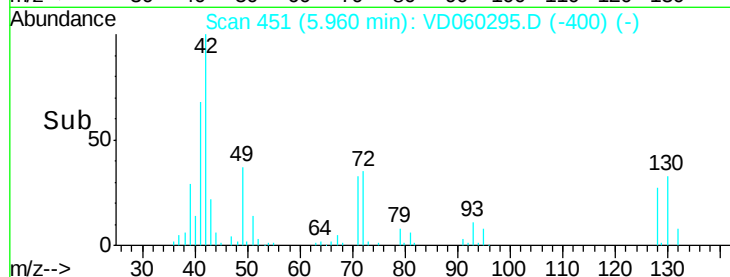
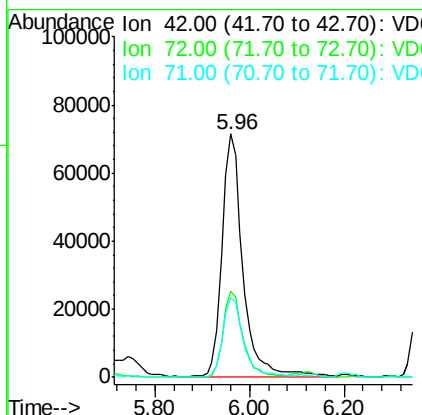
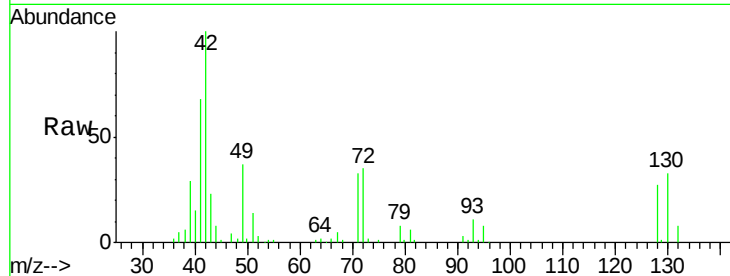




#29
Tetrahydrofuran
Concen: 102.38 ug/l
RT: 5.96 min Scan# 451
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

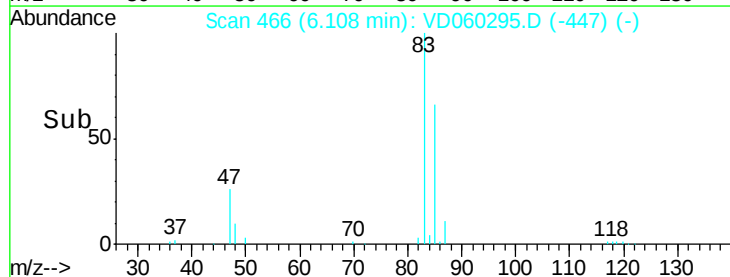
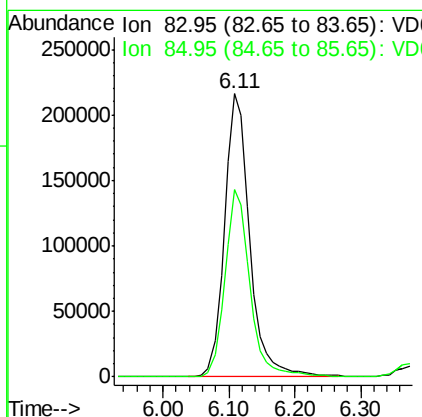
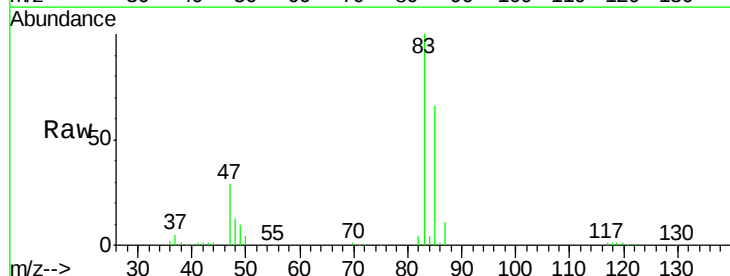
Instrument :
MSVOA_D
ClientSampleID :

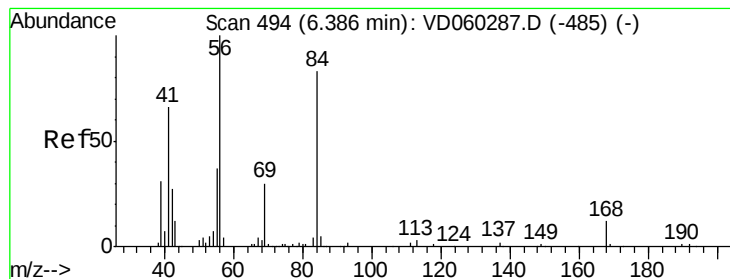
Tot Ion	Ratio	Lower	Upper
42	100		
72	33.1	27.6	41.4
71	32.0	26.5	39.7



#30
Chloroform
Concen: 20.37 ug/l
RT: 6.11 min Scan# 466
Delta R.T. -0.01 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.5	78.7





#31

Cyclohexane

Concen: 20.50 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.01 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

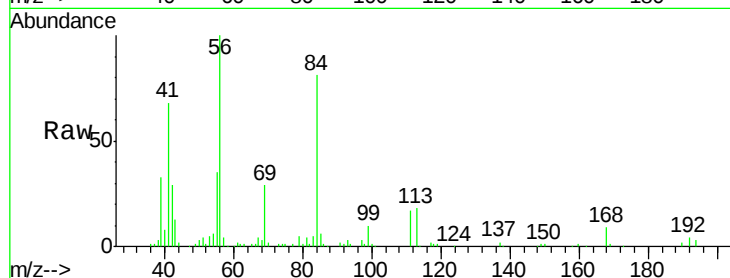
Tot Ion: 56 Resp: 557130

Ion Ratio Lower Upper

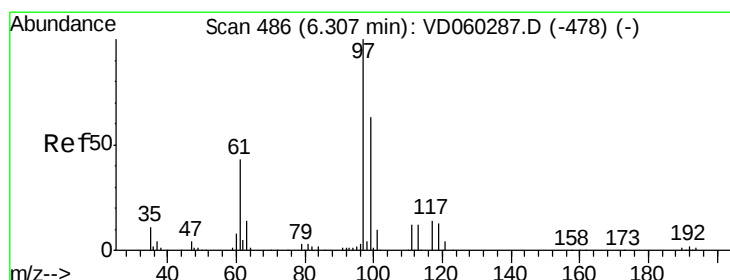
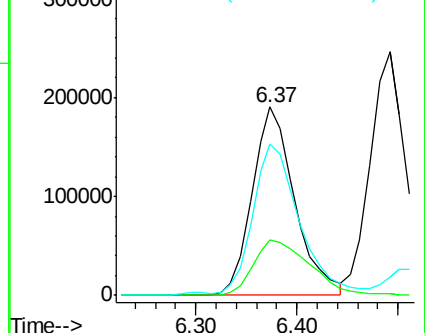
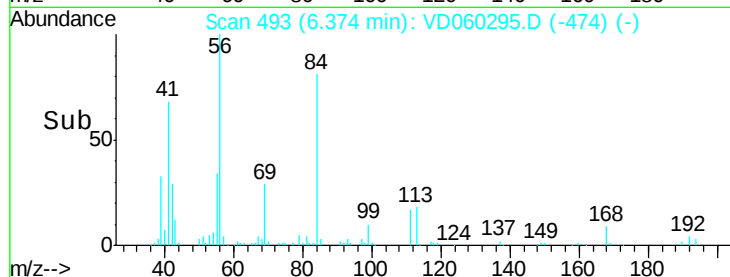
56 100

69 29.4 22.2 33.2

84 80.5 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



#32

1,1,1-Trichloroethane

Concen: 20.02 ug/l

RT: 6.30 min Scan# 486

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

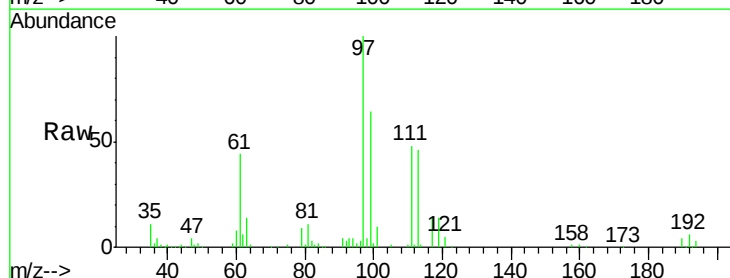
Tgt Ion: 97 Resp: 479367

Ion Ratio Lower Upper

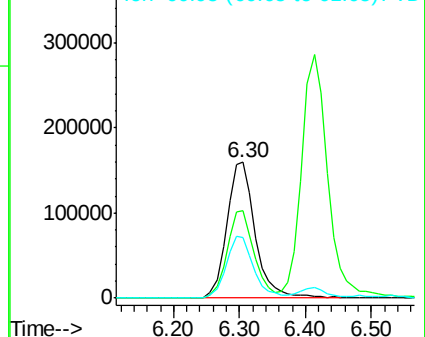
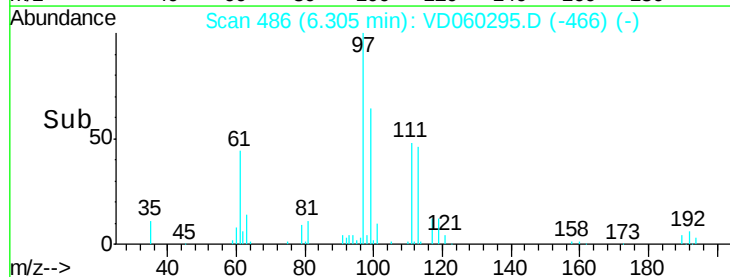
97 100

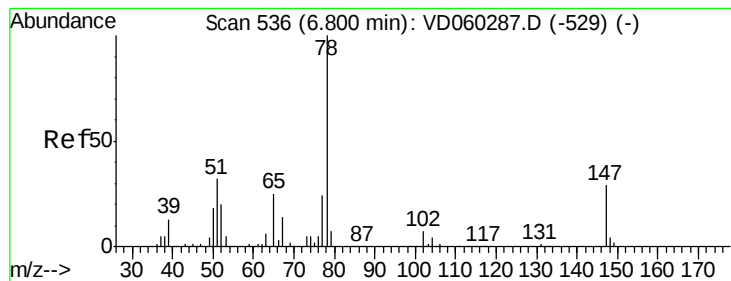
99 64.4 51.5 77.3

61 44.4 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





#33

1,2-Dichloroethane-d4

Concen: 20.02 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

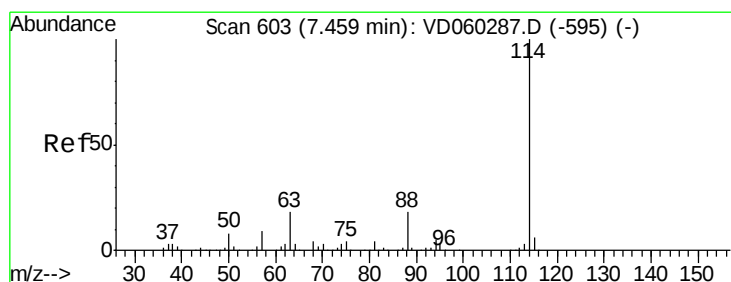
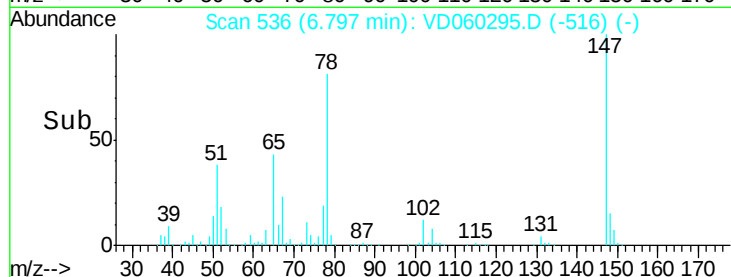
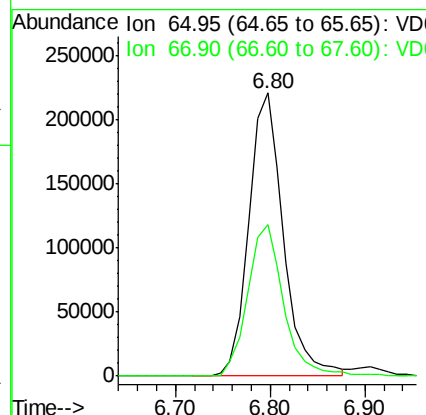
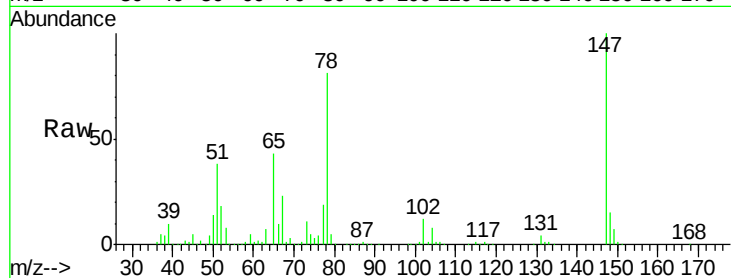
ClientSampleId :

Tot Ion: 65 Resp: 558255

Ion Ratio Lower Upper

65 100

67 53.6 0.0 109.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.45 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

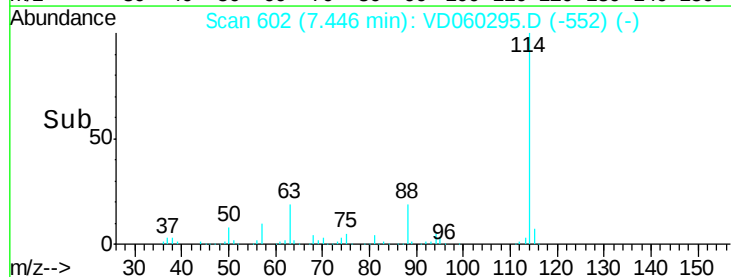
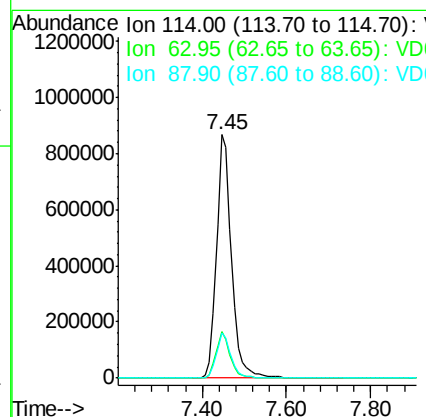
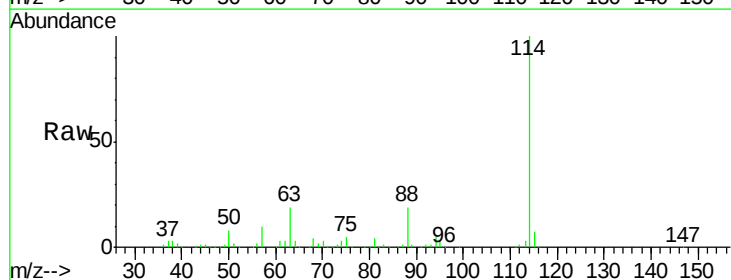
Tgt Ion: 114 Resp: 2137699

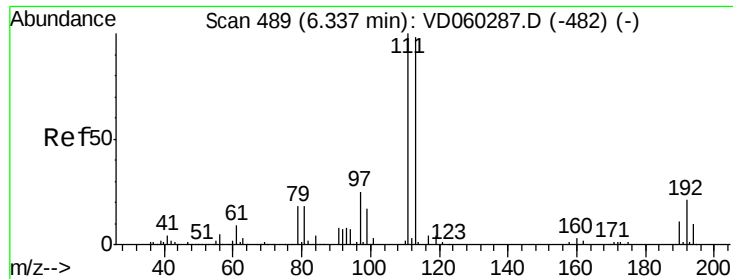
Ion Ratio Lower Upper

114 100

63 19.1 0.0 34.0

88 18.5 0.0 35.4

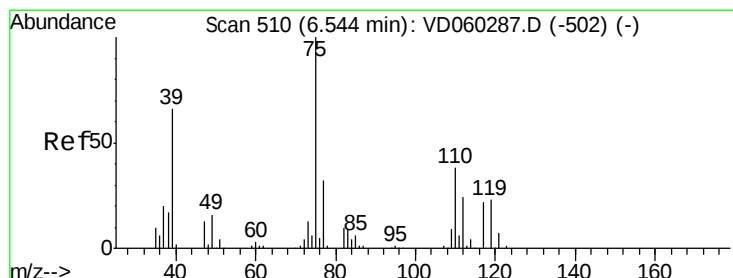
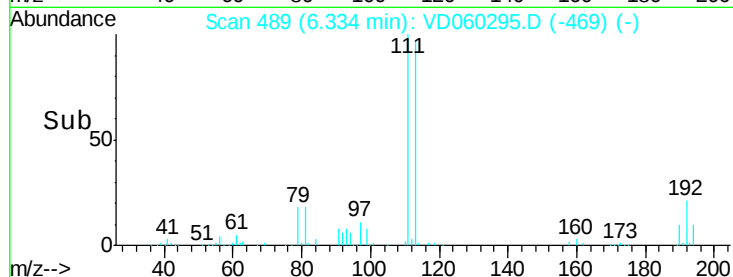
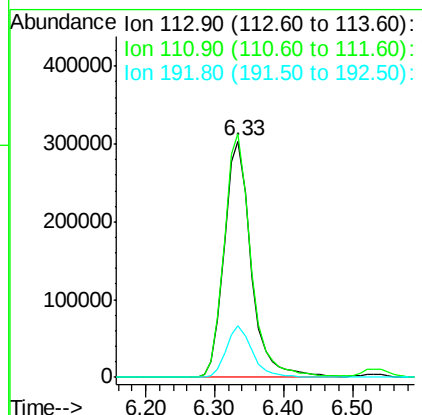
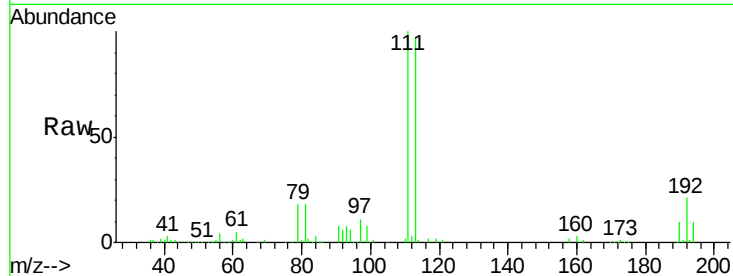




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

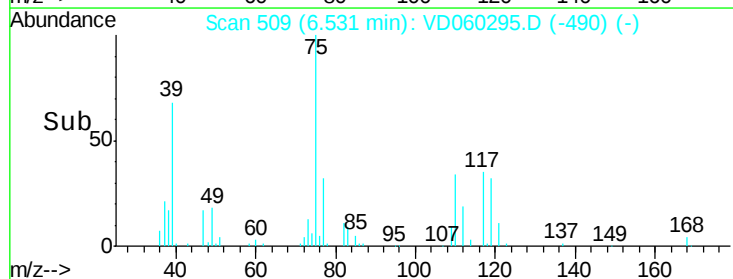
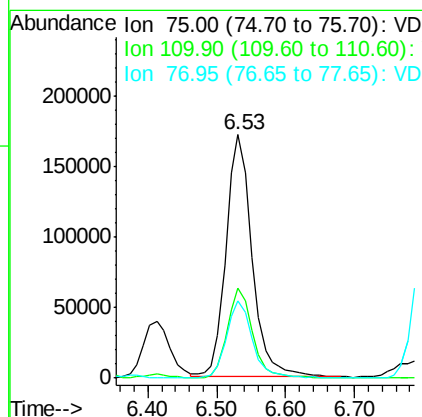
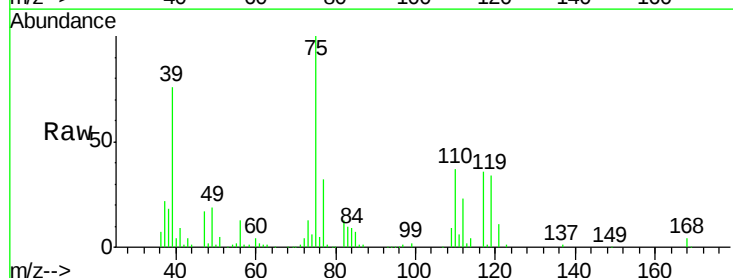
Instrument :
MSVOA_D
ClientSampleId :

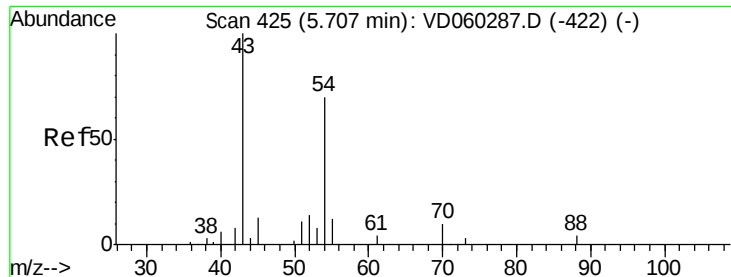
Tot Ion:113 Resp: 824524
Ion Ratio Lower Upper
113 100
111 103.1 81.6 122.4
192 22.0 16.5 24.7



#36
1,1-Dichloropropene
Concen: 21.41 ug/l
RT: 6.53 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion: 75 Resp: 452140
Ion Ratio Lower Upper
75 100
110 37.0 18.0 54.0
77 31.7 25.6 38.4

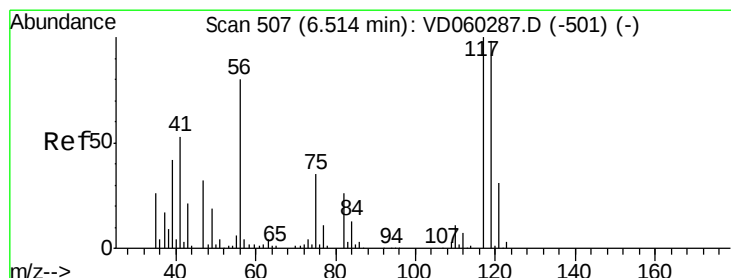
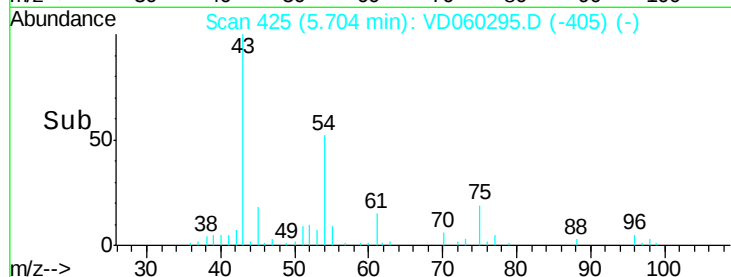
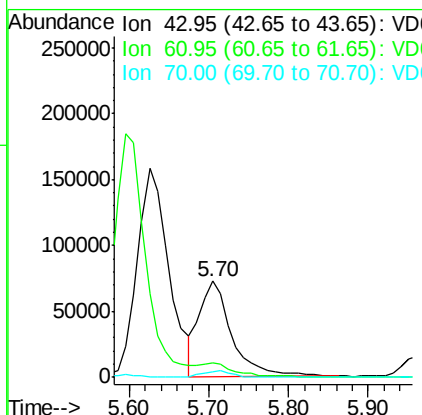
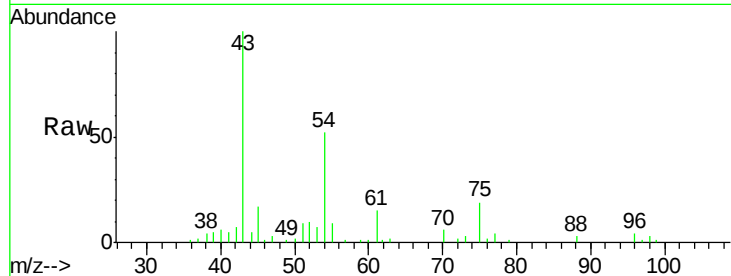




#37
Ethyl Acetate
Concen: 20.71 ug/l
RT: 5.70 min Scan# 425
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

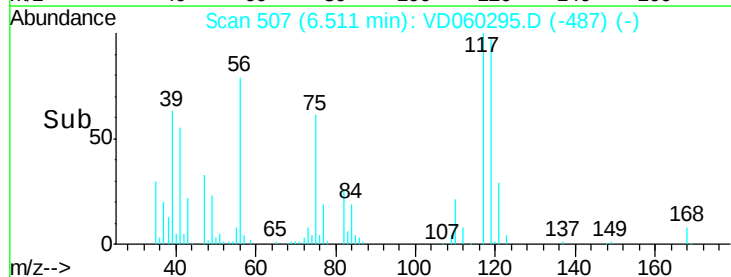
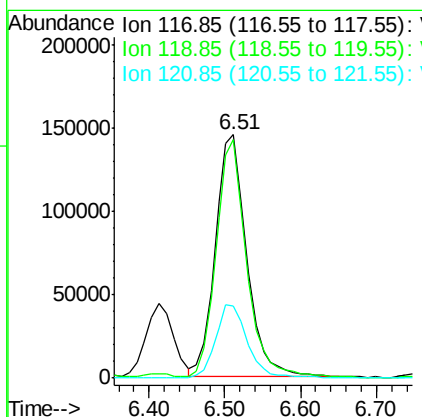
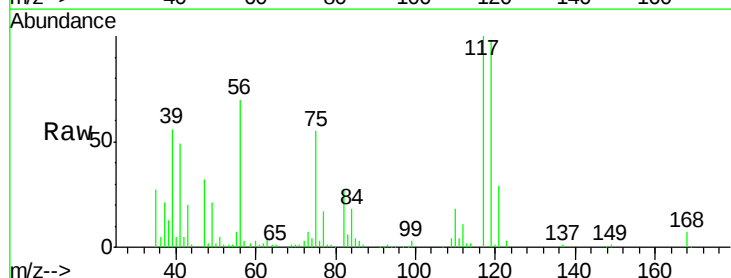
Instrument :
MSVOA_D
ClientSampled :

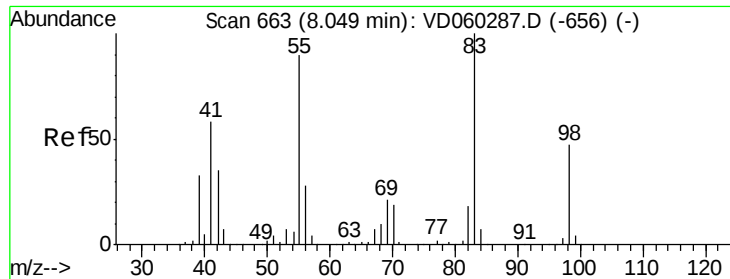
Tot Ion: 43 Resp: 201291
Ion Ratio Lower Upper
43 100
61 15.3 11.8 17.6
70 6.0 6.2 9.4#



#38
Carbon Tetrachloride
Concen: 21.51 ug/l
RT: 6.51 min Scan# 507
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion: 117 Resp: 421433
Ion Ratio Lower Upper
117 100
119 97.9 76.6 115.0
121 29.5 24.3 36.5

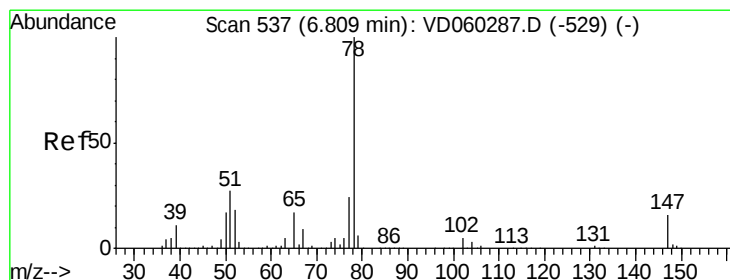
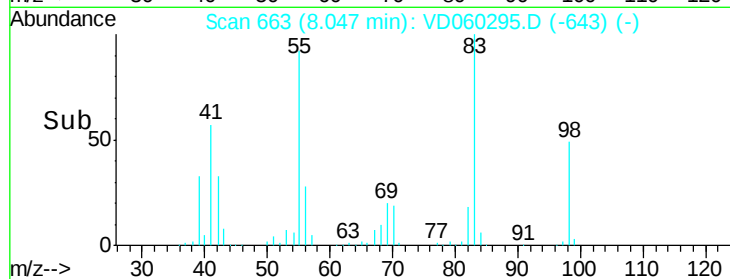
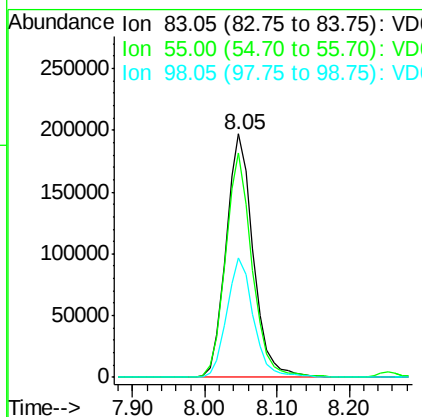
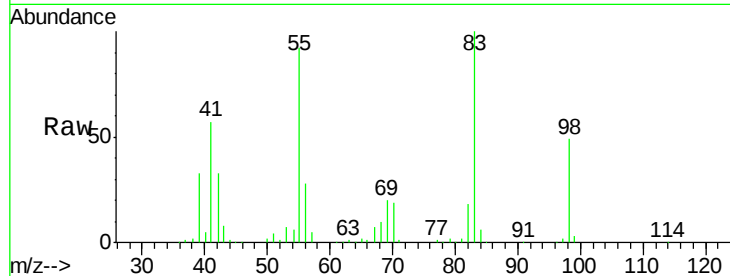




#39
Methvlcvclohexane
Concen: 21.18 ug/l
RT: 8.05 min Scan# 663
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

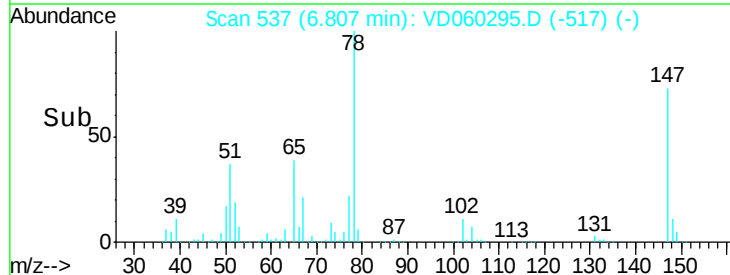
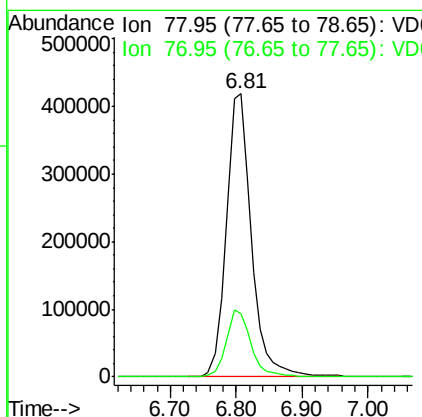
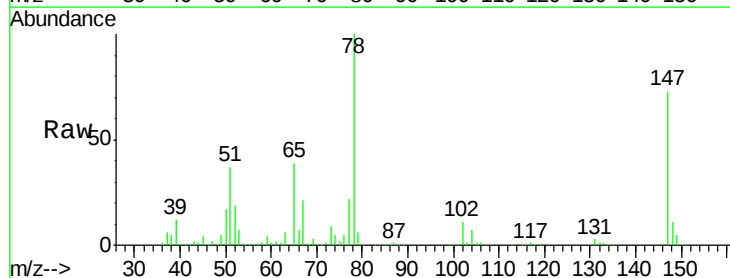
Instrument :
MSVOA_D
ClientSampleId :

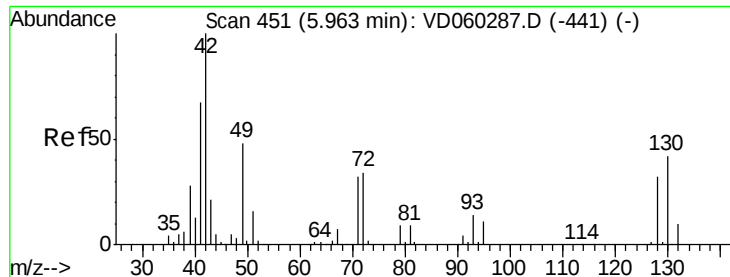
Tot Ion: 83 Resp: 514417
Ion Ratio Lower Upper
83 100
55 91.9 71.2 106.8
98 49.3 38.4 57.6



#40
Benzene
Concen: 20.71 ug/l
RT: 6.81 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion: 78 Resp: 1116736
Ion Ratio Lower Upper
78 100
77 22.4 18.8 28.2

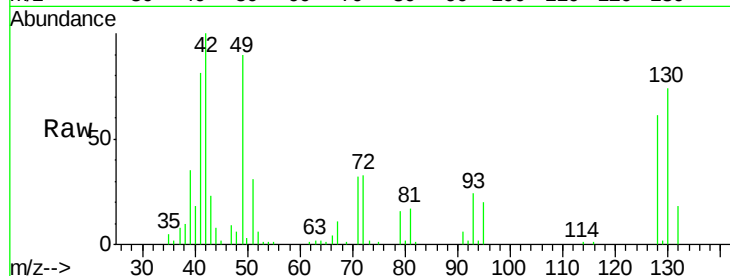




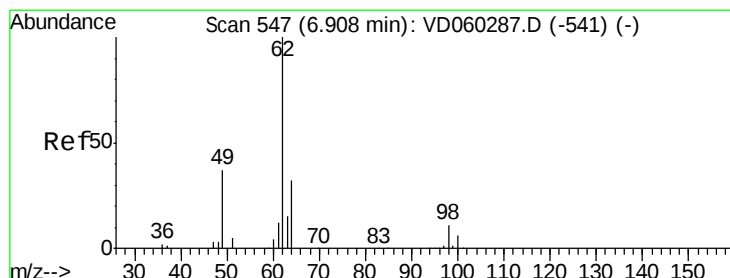
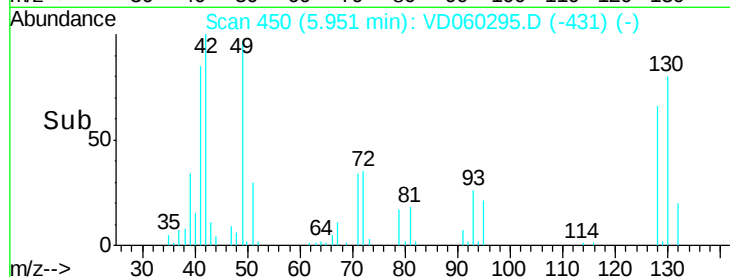
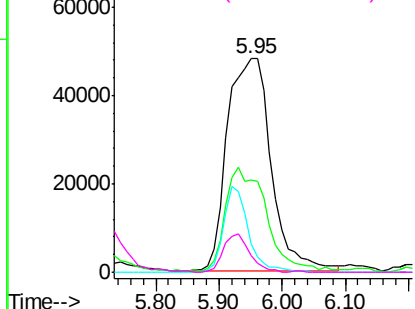
#41
Methacrylonitrile
Concen: 20.87 ug/l
RT: 5.95 min Scan# 450
Delta R.T. -0.01 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	41	Resp:	232109
Ion	Ratio	Lower	Upper
41	100		
39	43.2	36.2	54.2
67	13.0	11.9	17.9
52	7.6	5.2	7.8

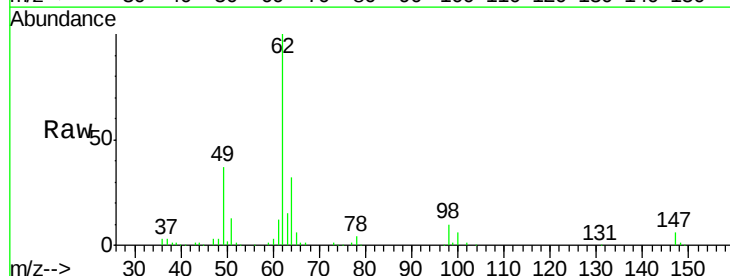


Abundance Ion 40.95 (40.65 to 41.65): VD
Ion 38.95 (38.65 to 39.65): VD
Ion 67.00 (66.70 to 67.70): VD
Ion 52.00 (51.70 to 52.70): VD

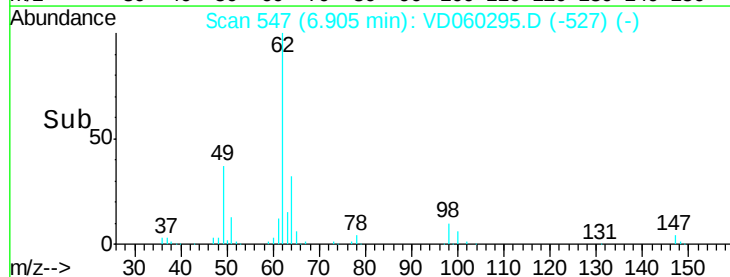
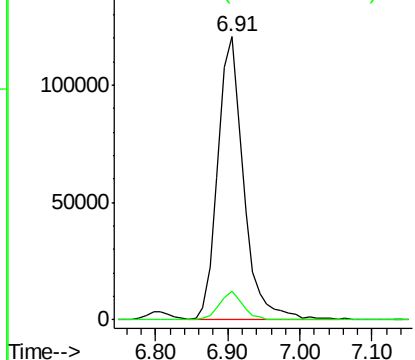


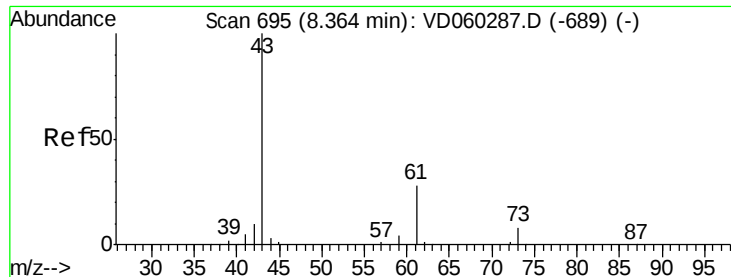
#42
1,2-Dichloroethane
Concen: 21.19 ug/l
RT: 6.91 min Scan# 547
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion:	62	Resp:	298947
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	22.0



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



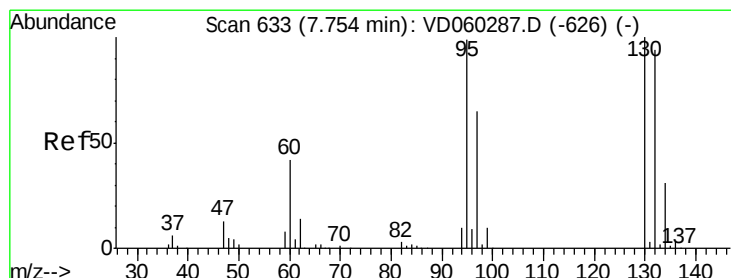
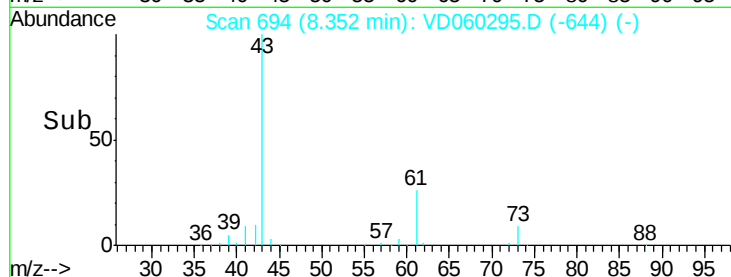
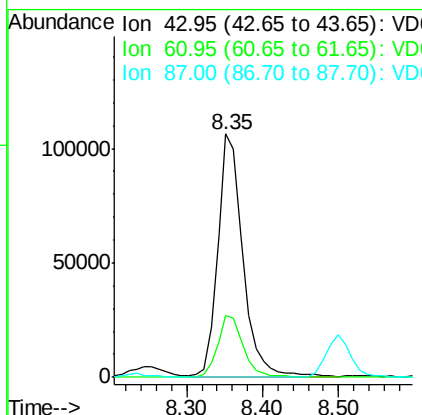
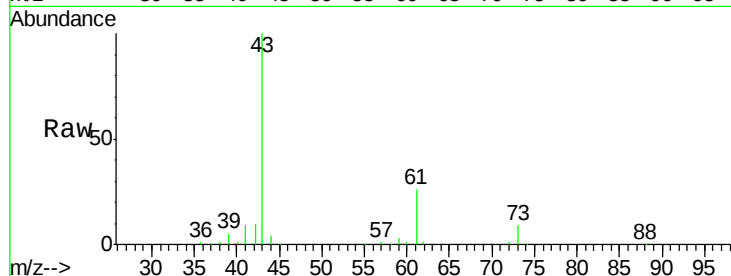


#43

Isopropyl Acetate
 Concen: 19.94 ug/l
 RT: 8.35 min Scan# 694
 Delta R.T. -0.01 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampled :

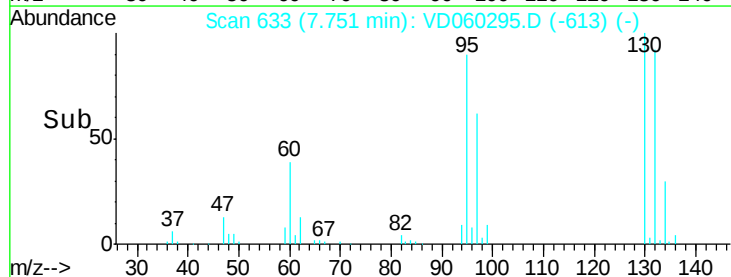
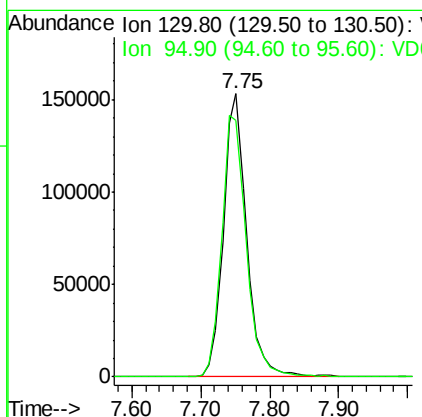
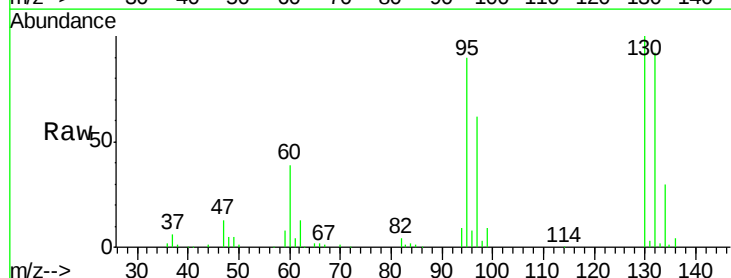
Tot Ion: 43 Resp: 243463
 Ion Ratio Lower Upper
 43 100
 61 25.6 22.3 33.5
 87 0.0 0.2 0.2#

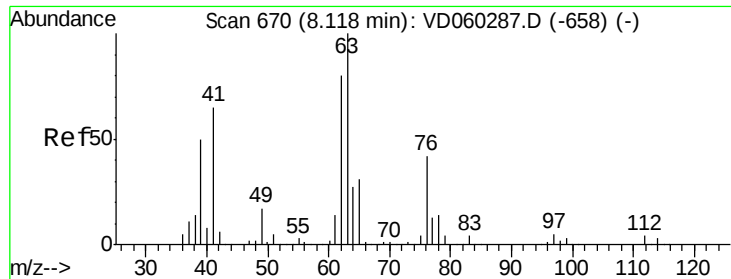


#44

Trichloroethene
 Concen: 21.74 ug/l
 RT: 7.75 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion:130 Resp: 355246
 Ion Ratio Lower Upper
 130 100
 95 90.4 0.0 200.0

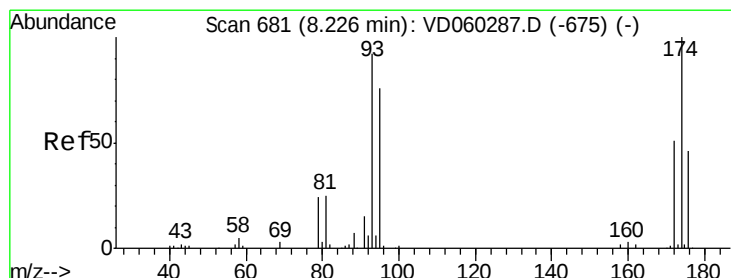
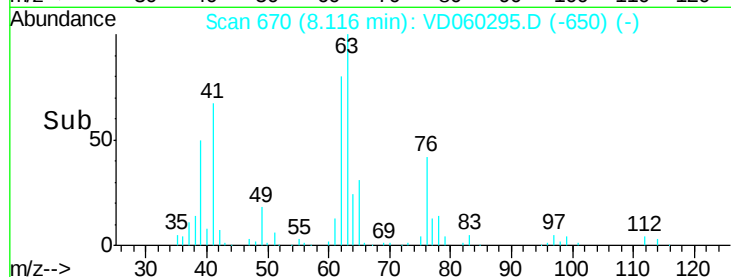
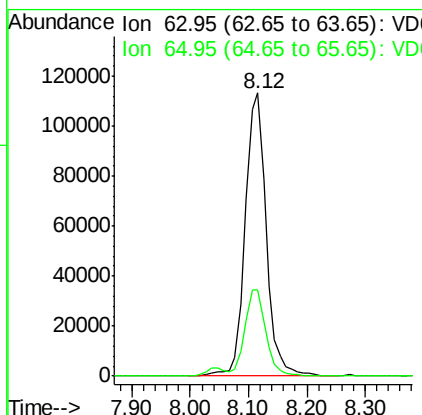
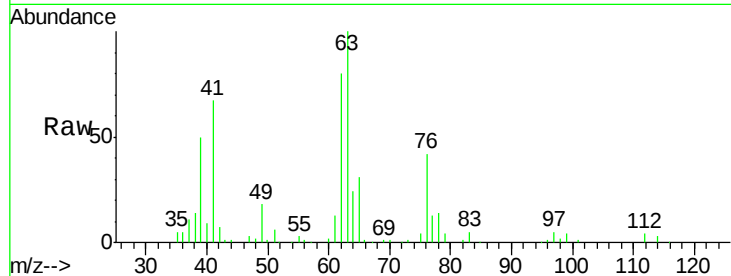




#45
 1,2-Dichloropropane
 Concen: 21.07 ug/l
 RT: 8.12 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

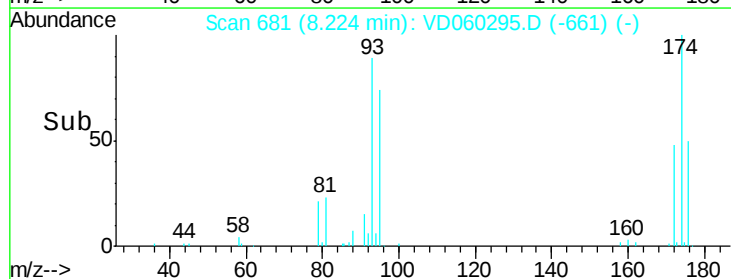
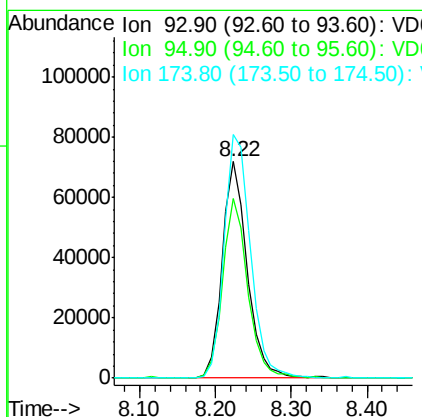
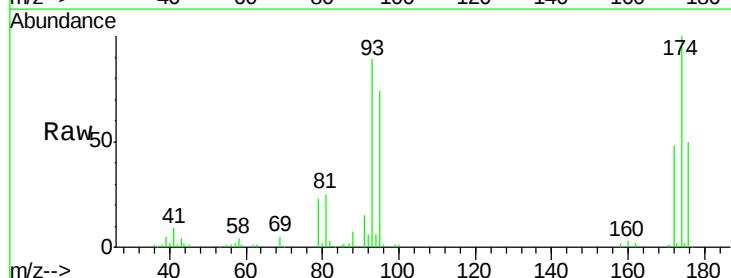
Instrument :
 MSVOA_D
 ClientSampleId :

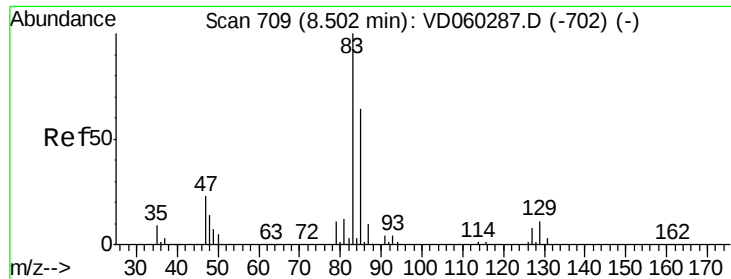
Tot Ion: 63 Resp: 286431
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.4 35.2



#46
 Dibromomethane
 Concen: 20.73 ug/l
 RT: 8.22 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion: 93 Resp: 165113
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.4 99.6
 174 112.6 87.8 131.8





#47

Bromodichloromethane

Concen: 20.51 ug/l

RT: 8.50 min Scan# 709

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

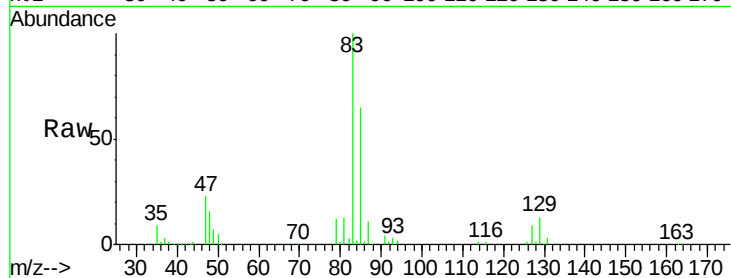
Tot Ion: 83 Resp: 384956

Ion Ratio Lower Upper

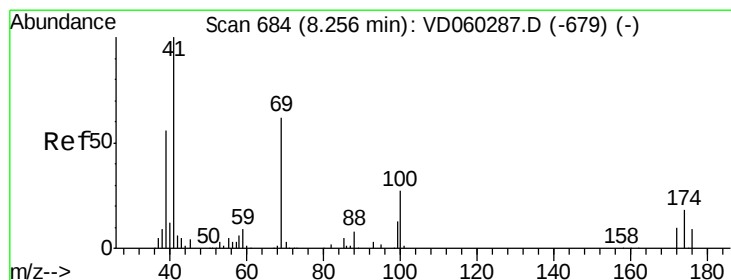
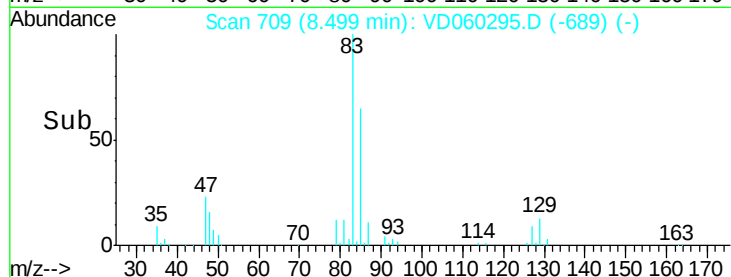
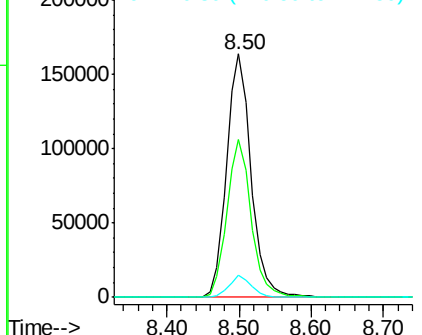
83 100

85 65.0 51.0 76.6

127 9.2 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: 21.44 ug/l

RT: 8.25 min Scan# 684

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

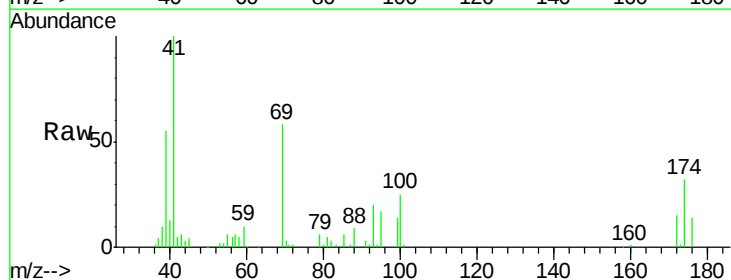
Tgt Ion: 41 Resp: 158994

Ion Ratio Lower Upper

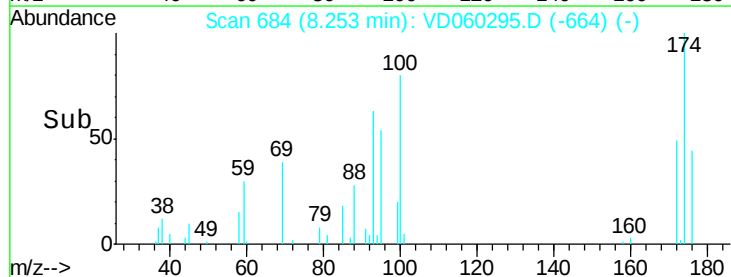
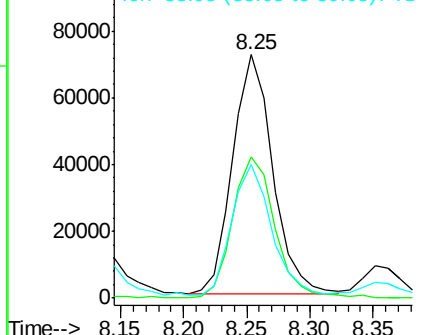
41 100

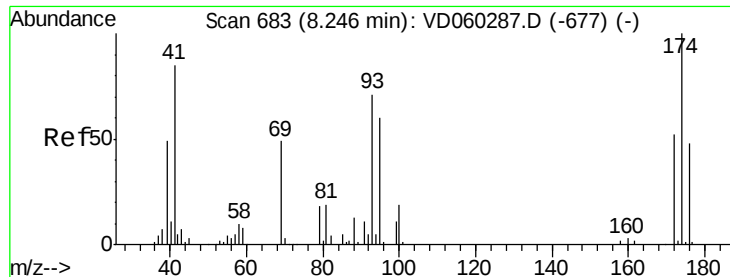
69 58.3 47.0 70.4

39 55.0 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

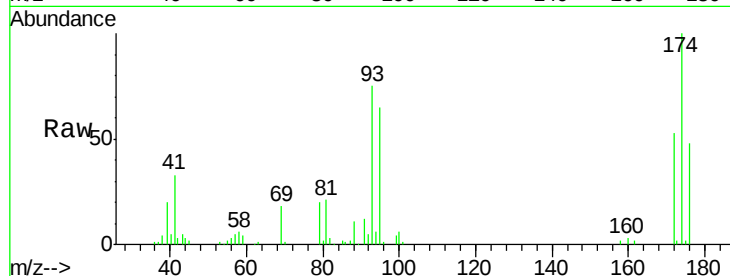




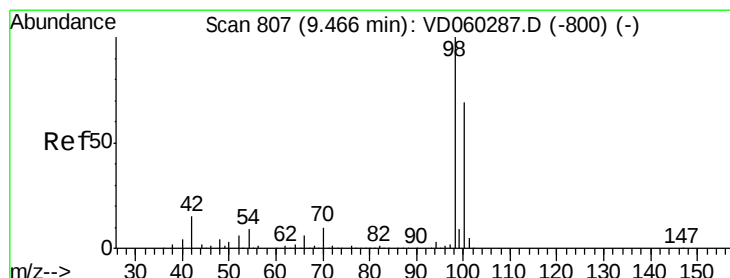
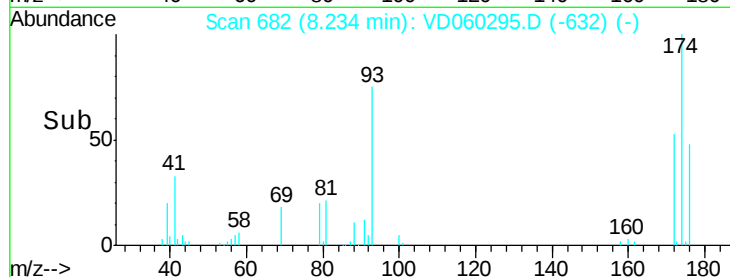
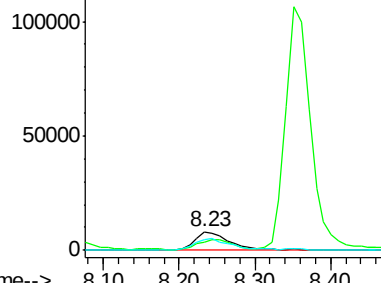
#49
1,4-Dioxane
Concen: 417.39 ug/l
RT: 8.23 min Scan# 682
Delta R.T. -0.01 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 26779
Ion Ratio Lower Upper
88 100
43 44.4 39.7 59.5
58 56.2 60.2 90.2#

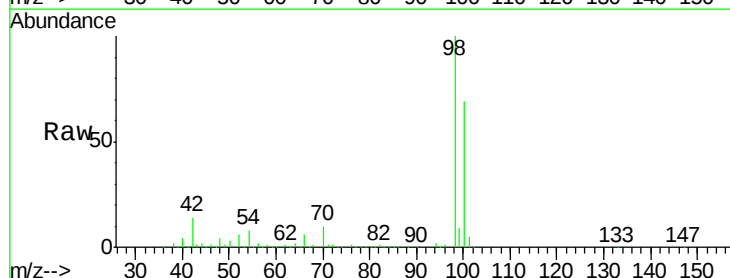


Abundance Ion 88.00 (87.70 to 88.70): VD
Ion 43.05 (42.75 to 43.75): VD
Ion 57.95 (57.65 to 58.65): VD

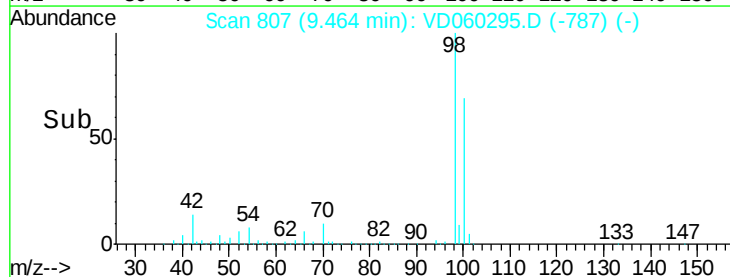
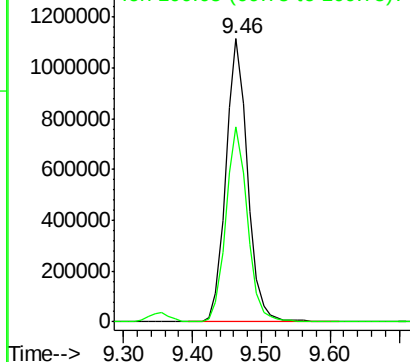


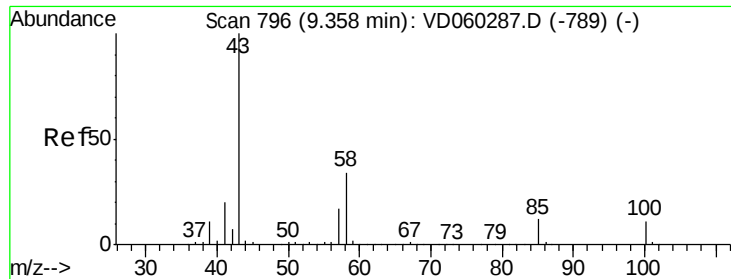
#50
Toluene-d8
Concen: 417.39 ug/l
RT: 9.46 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion: 98 Resp: 2416635
Ion Ratio Lower Upper
98 100
100 68.8 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: 103.25 ug/l

RT: 9.35 min Scan# 795

Delta R.T. -0.01 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

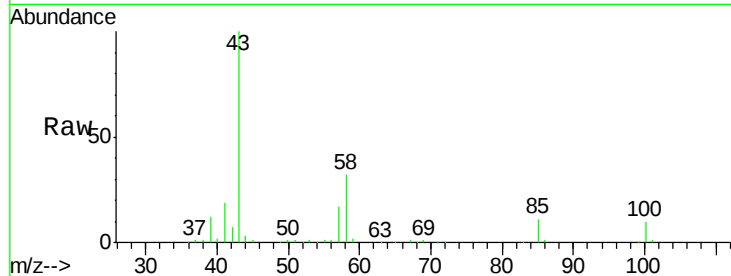
ClientSampled :

Tot Ion: 43 Resp: 820379

Ion Ratio Lower Upper

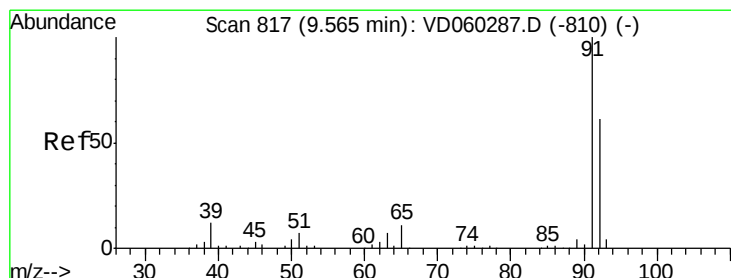
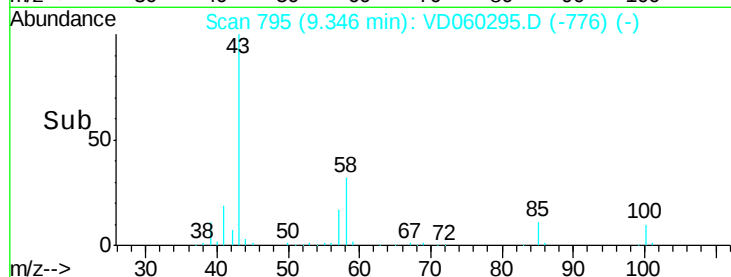
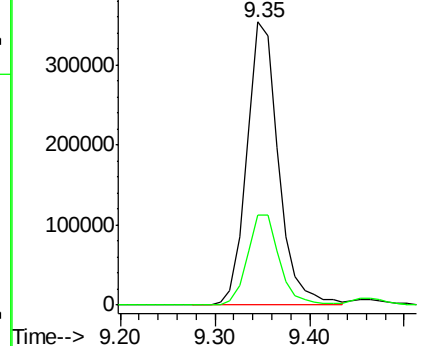
43 100

58 31.9 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: 20.68 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060295.D

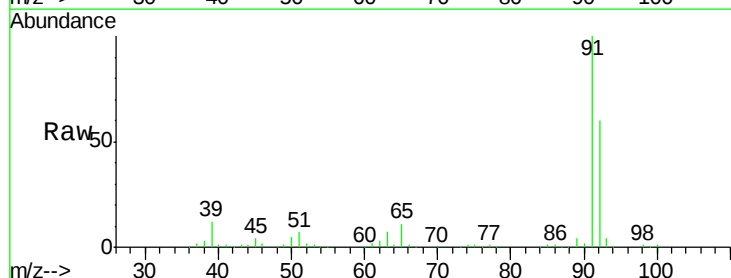
Acq: 7 Nov 2018 12:29

Tgt Ion: 92 Resp: 712143

Ion Ratio Lower Upper

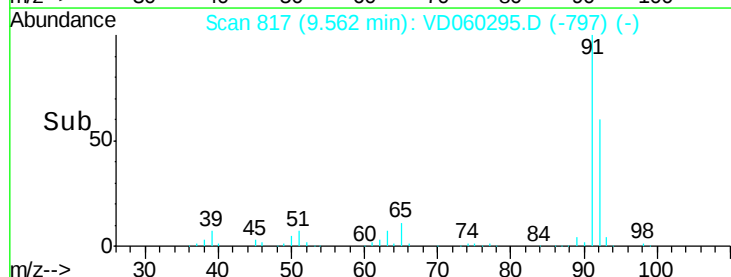
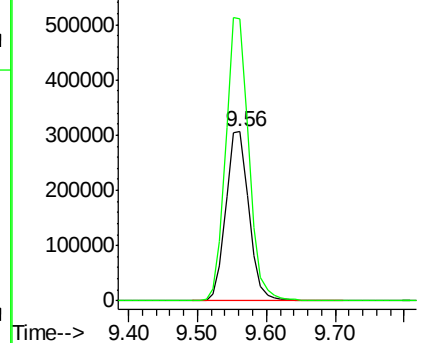
92 100

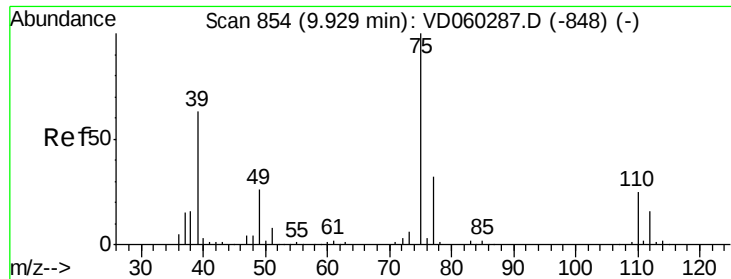
91 166.6 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VD

Ion 91.00 (90.70 to 91.70): VD

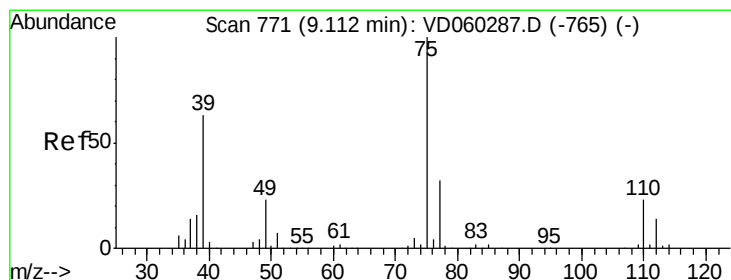
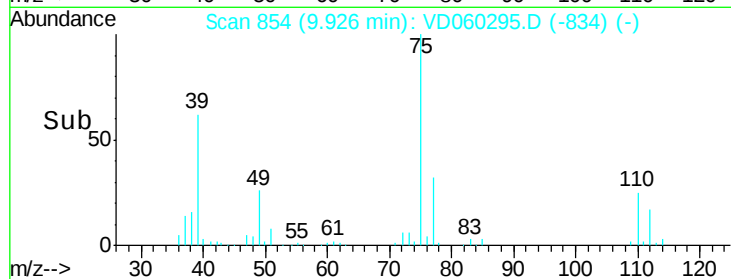
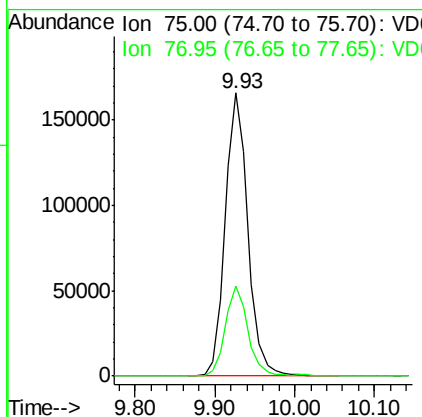
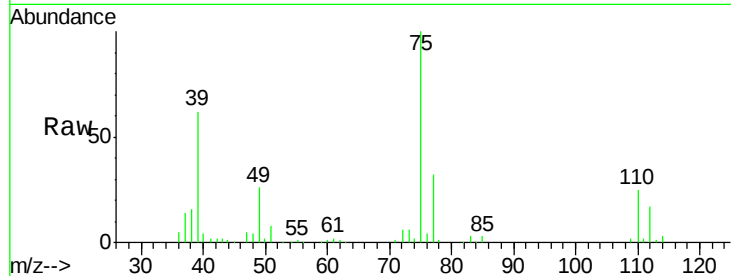




#53
 t-1,3-Dichloropropene
 Concen: 20.93 ug/l
 RT: 9.93 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

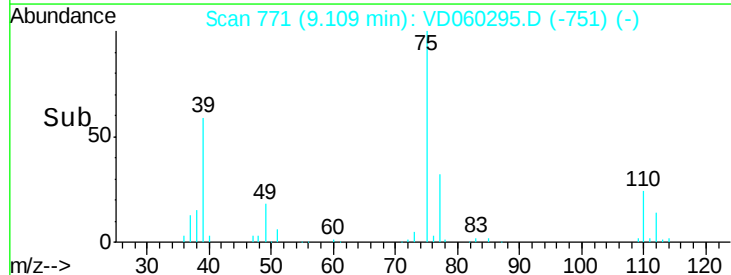
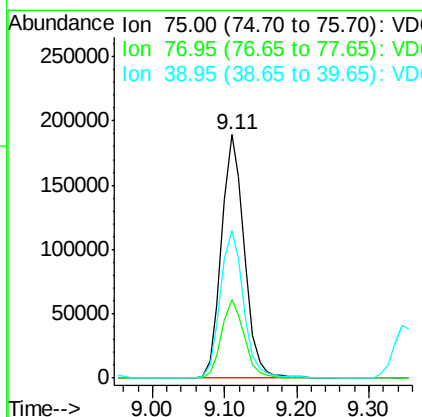
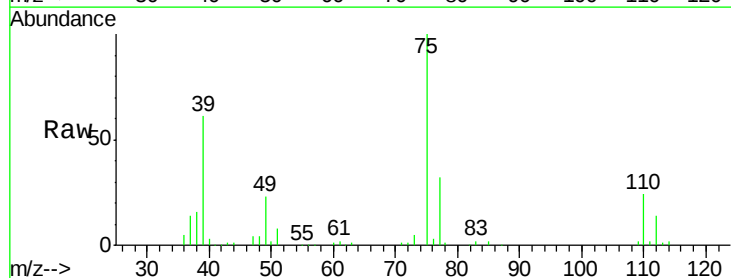
Instrument :
 MSVOA_D
 ClientSampleId :

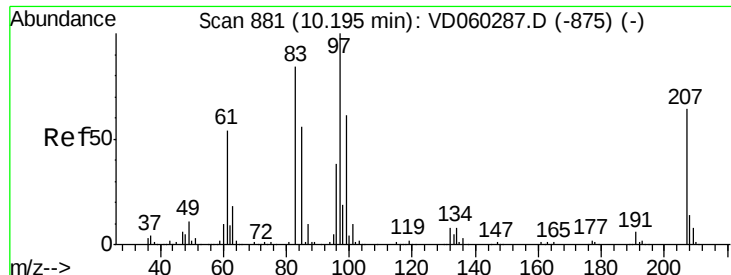
Tot Ion: 75 Resp: 331826
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.2 37.8



#54
 cis-1,3-Dichloropropene
 Concen: 20.38 ug/l
 RT: 9.11 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion: 75 Resp: 414338
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.3 39.5
 39 60.7 50.8 76.2

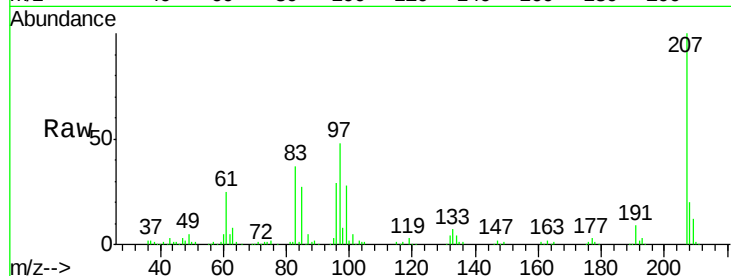




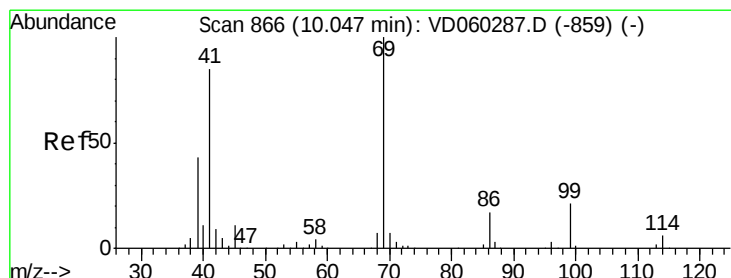
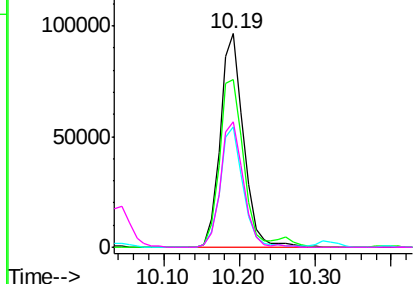
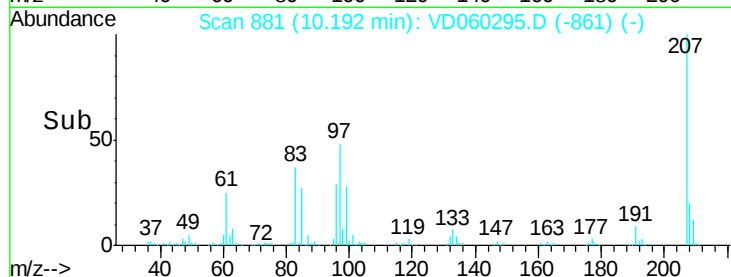
#55
 1,1,2-Trichloroethane
 Concen: 20.66 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:	97	Resp:	206207
Ion	Ratio	Lower	Upper
97	100		
83	78.2	68.4	102.6
85	56.2	46.8	70.2
99	58.6	49.5	74.3

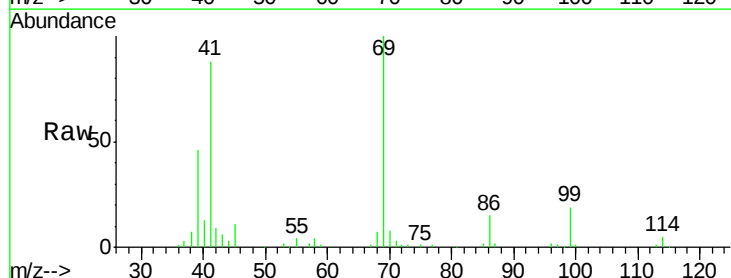


Abundance Ion 96.85 (96.55 to 97.55): VD
 Ion 82.95 (82.65 to 83.65): VD
 Ion 84.95 (84.65 to 85.65): VD
 Ion 98.85 (98.55 to 99.55): VD

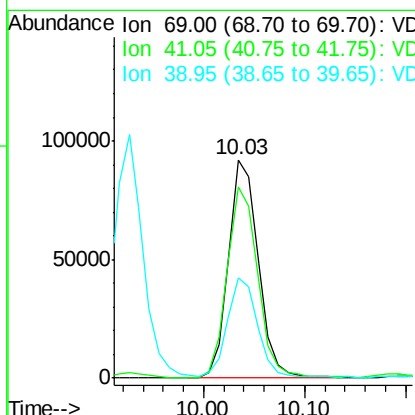
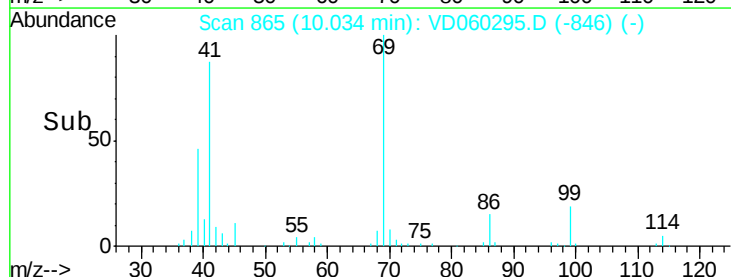


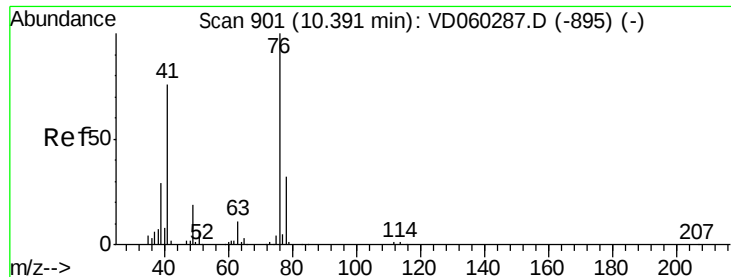
#56
 Ethyl methacrylate
 Concen: 20.65 ug/l
 RT: 10.03 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion:	69	Resp:	189468
Ion	Ratio	Lower	Upper
69	100		
41	87.5	69.0	103.4
39	46.0	36.6	54.8



Abundance Ion 69.00 (68.70 to 69.70): VD
 Ion 41.05 (40.75 to 41.75): VD
 Ion 38.95 (38.65 to 39.65): VD





#57

1,3-Dichloropropane

Concen: 20.59 ug/l

RT: 10.39 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

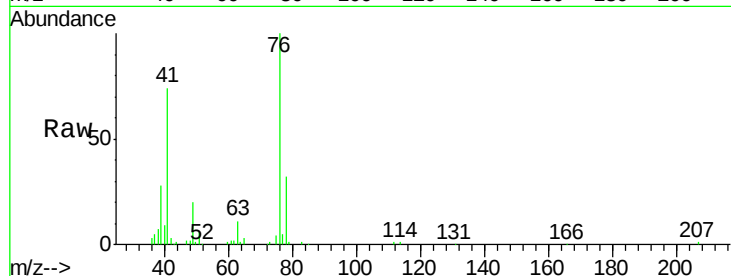
ClientSampled :

Tot Ion: 76 Resp: 313205

Ion Ratio Lower Upper

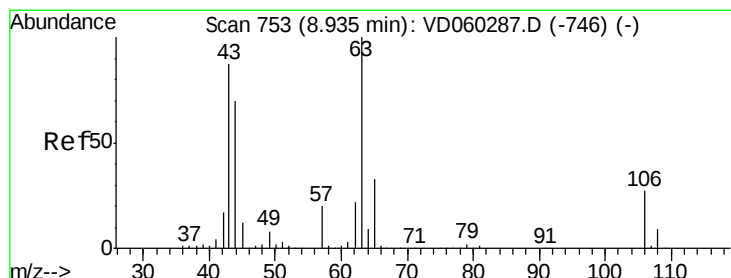
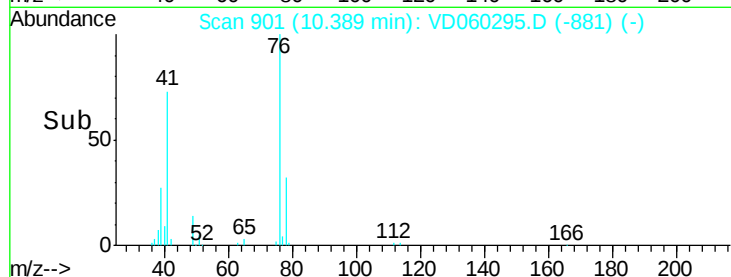
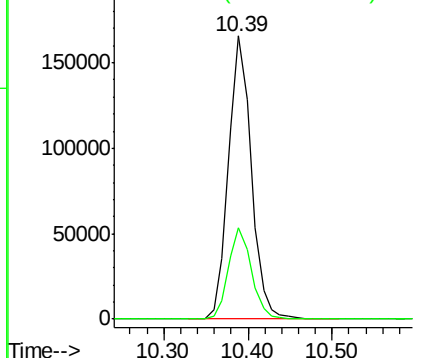
76 100

78 32.1 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: 111.76 ug/l

RT: 8.93 min Scan# 753

Delta R.T. -0.00 min

Lab File: VD060295.D

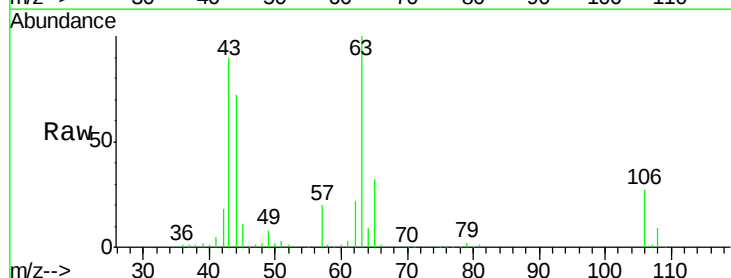
Acq: 7 Nov 2018 12:29

Tgt Ion: 63 Resp: 620137

Ion Ratio Lower Upper

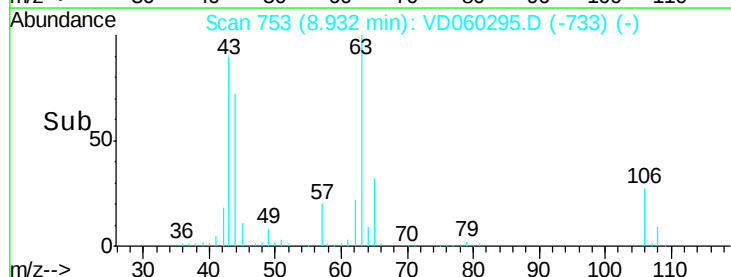
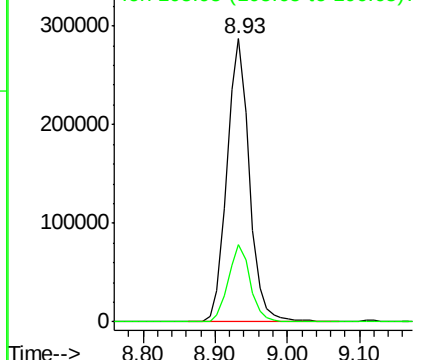
63 100

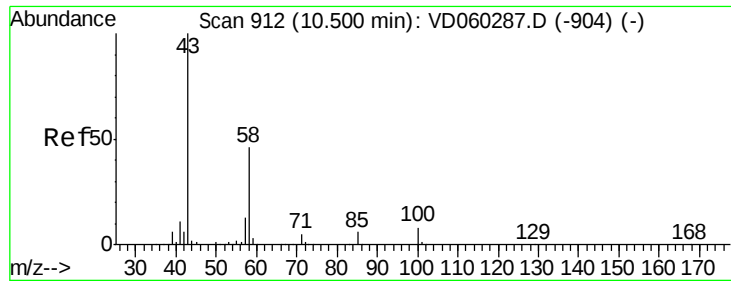
106 27.3 21.5 32.3



Abundance Ion 62.95 (62.65 to 63.65): VD

Ion 105.95 (105.65 to 106.65):

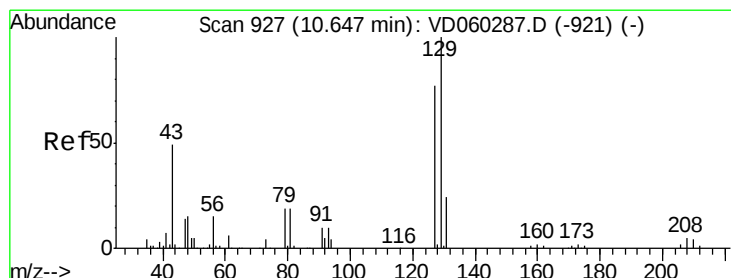
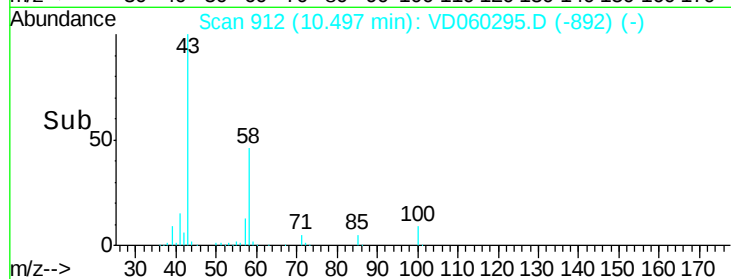
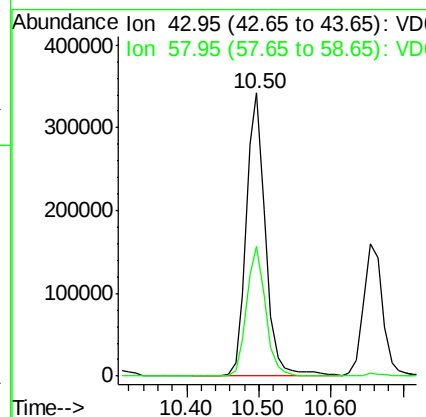
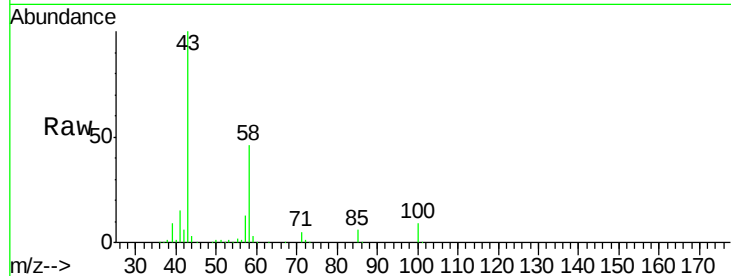




#59
2-Hexanone
Concen: 112.11 ug/l
RT: 10.50 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

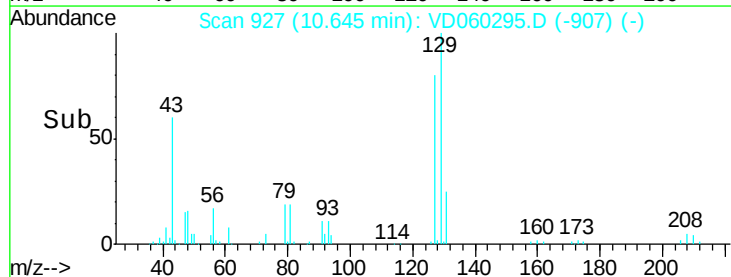
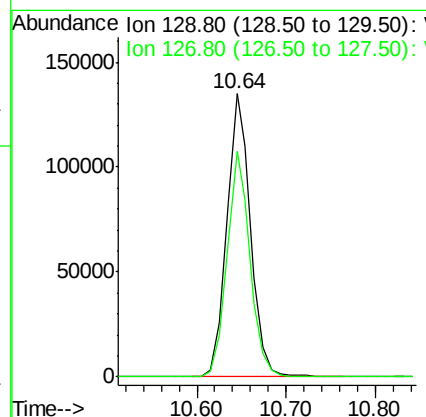
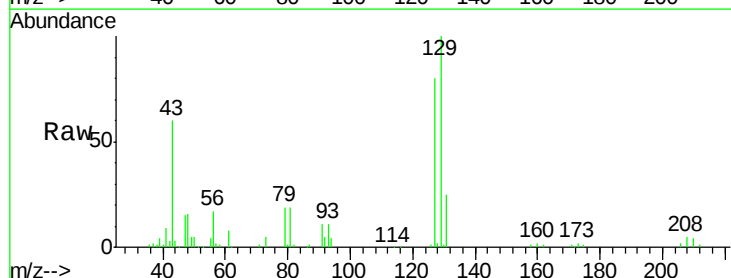
Instrument :
MSVOA_D
ClientSampleId :

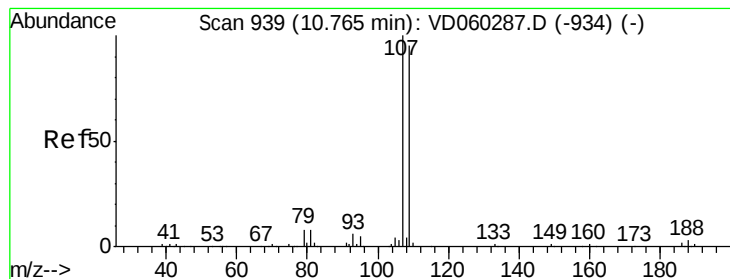
Tot Ion: 43 Resp: 634901
Ion Ratio Lower Upper
43 100
58 45.7 22.9 68.5



#60
Dibromochloromethane
Concen: 20.73 ug/l
RT: 10.64 min Scan# 927
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion:129 Resp: 251512
Ion Ratio Lower Upper
129 100
127 79.6 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.67 ug/l

RT: 10.76 min Scan# 939

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

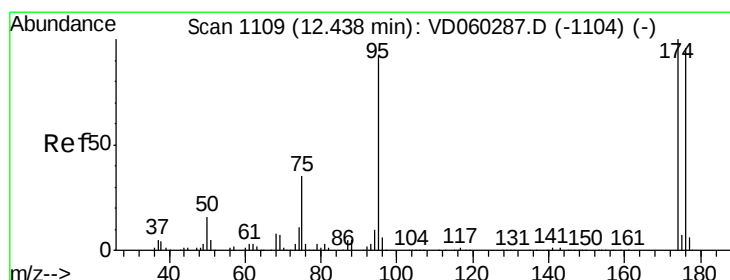
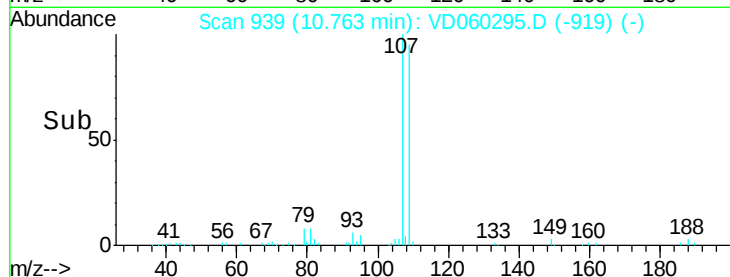
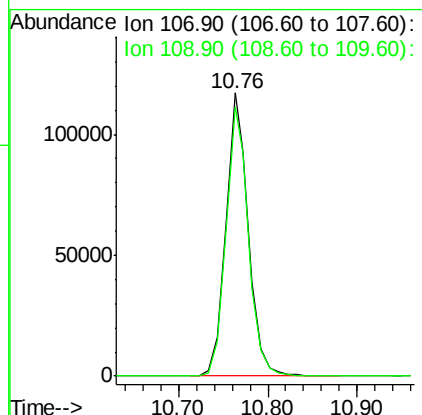
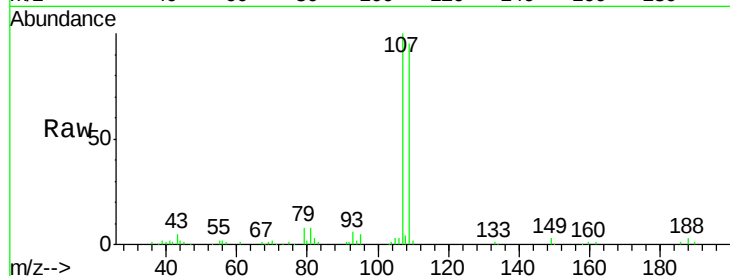
ClientSampled :

Tot Ion:107 Resp: 206721

Ion Ratio Lower Upper

107 100

109 95.2 75.7 113.5



#62

4-Bromofluorobenzene

Concen: 20.67 ug/l

RT: 12.43 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

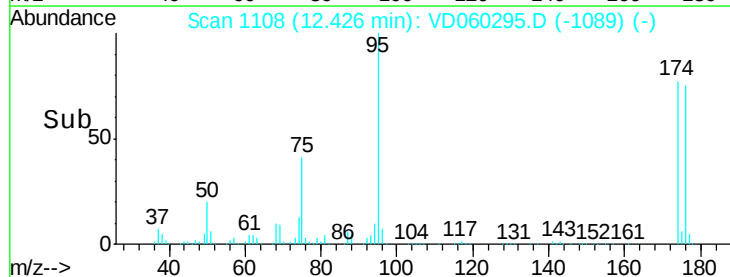
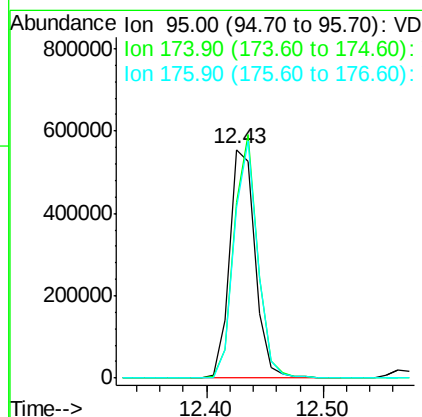
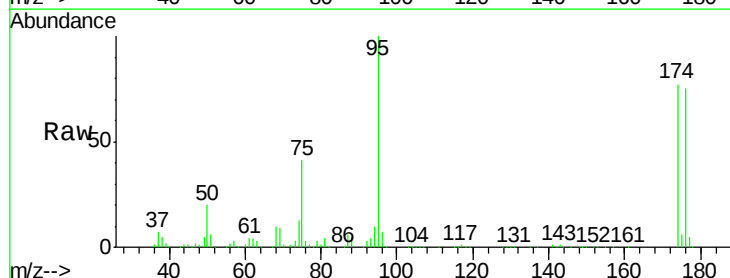
Tgt Ion: 95 Resp: 846589

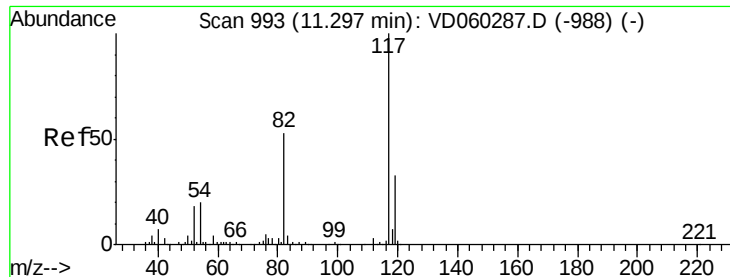
Ion Ratio Lower Upper

95 100

174 76.9 0.0 160.8

176 74.7 0.0 154.6

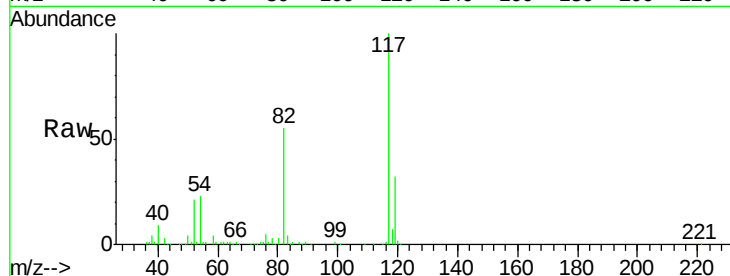




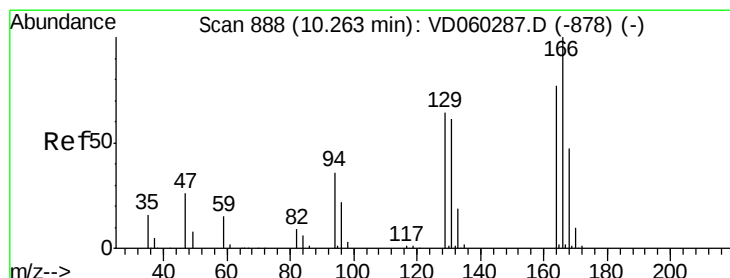
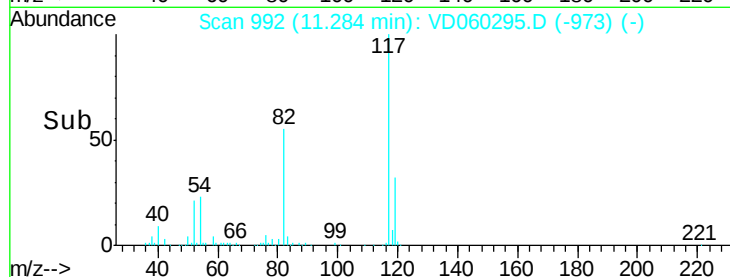
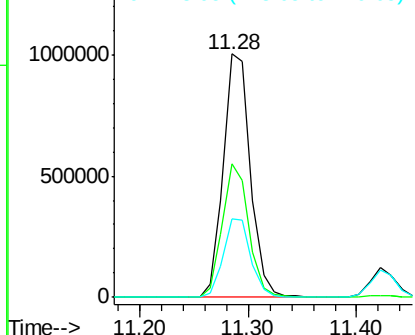
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.28 min Scan# 992
Delta R.T. -0.01 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:117 Resp: 1749920
Ion Ratio Lower Upper
117 100
82 54.7 43.7 65.5
119 32.3 26.1 39.1

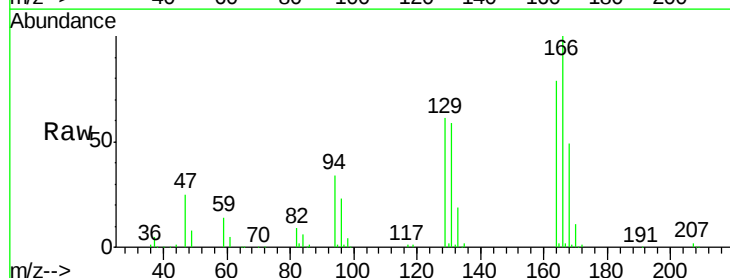


Abundance Ion 116.95 (116.65 to 117.65):
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65):

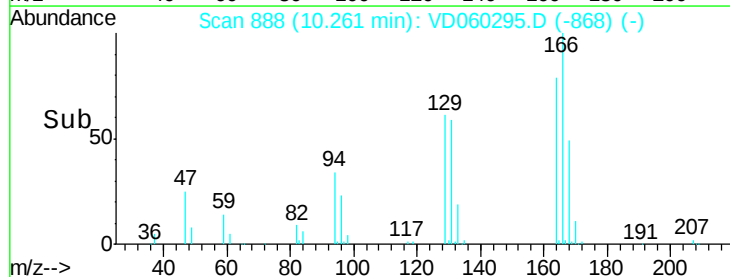
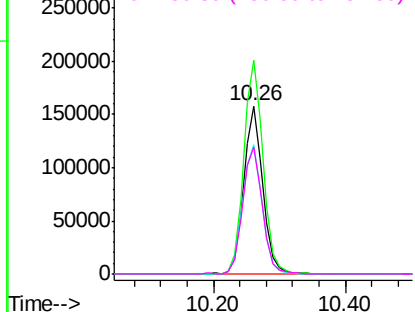


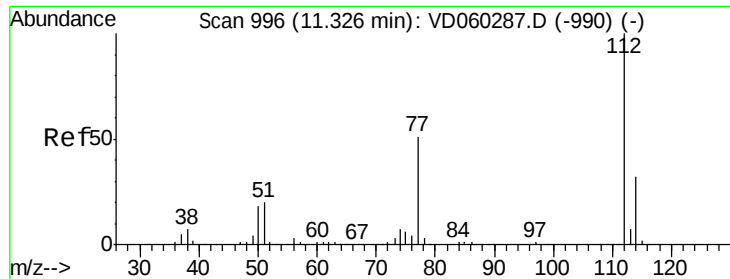
#64
Tetrachloroethene
Concen: 20.53 ug/l
RT: 10.26 min Scan# 888
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion:164 Resp: 320670
Ion Ratio Lower Upper
164 100
166 127.2 103.7 155.5
129 77.3 65.6 98.4
131 75.2 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):

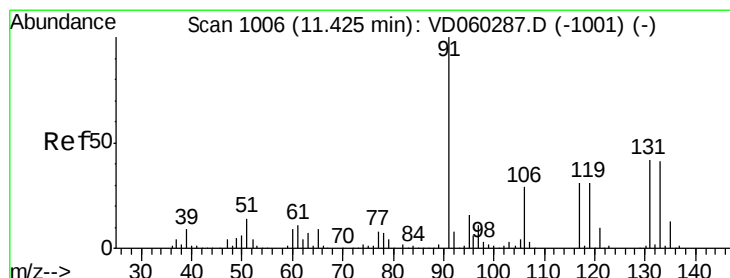
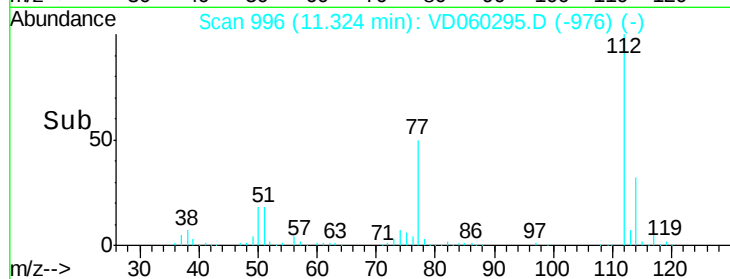
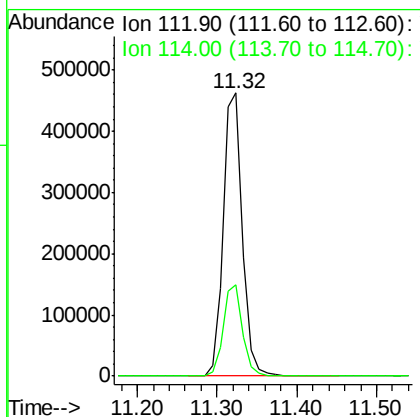
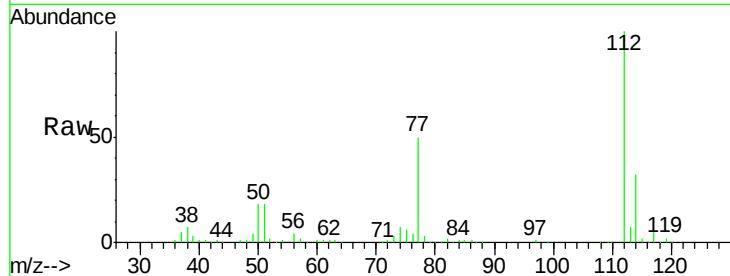




#65
Chlorobenzene
Concen: 20.64 ug/l
RT: 11.32 min Scan# 996
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

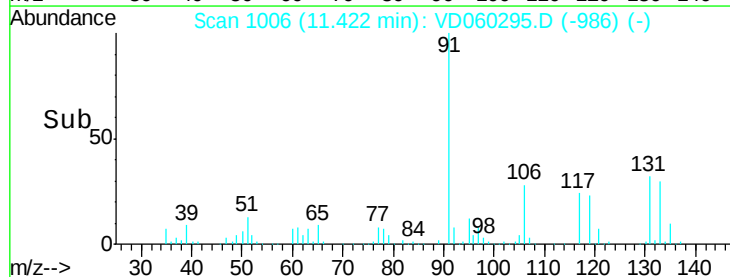
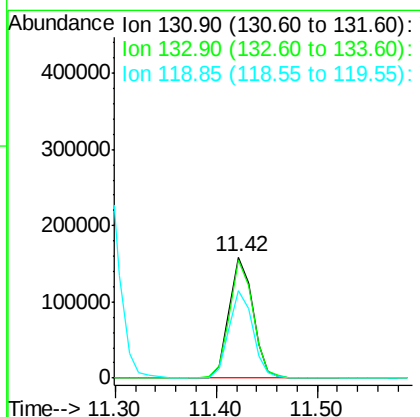
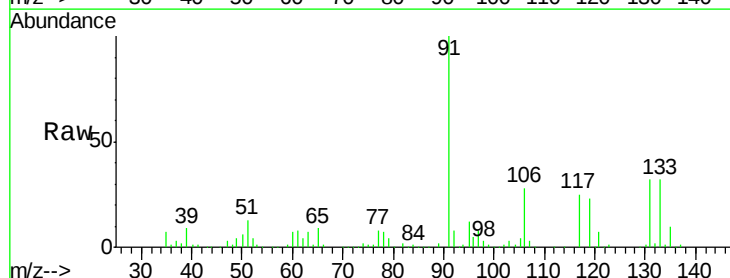
Instrument :
MSVOA_D
ClientSampled :

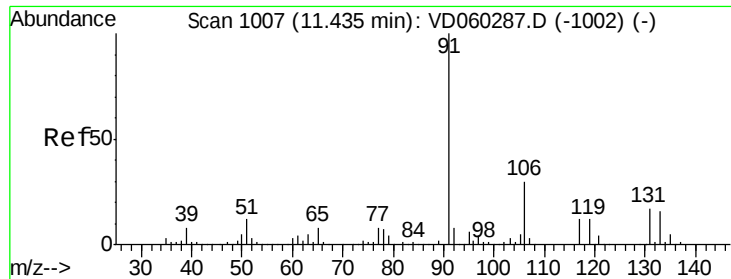
Tot Ion:112 Resp: 782679
Ion Ratio Lower Upper
112 100
114 32.4 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.08 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion:131 Resp: 261571
Ion Ratio Lower Upper
131 100
133 98.2 50.0 150.0
119 72.6 37.0 111.1

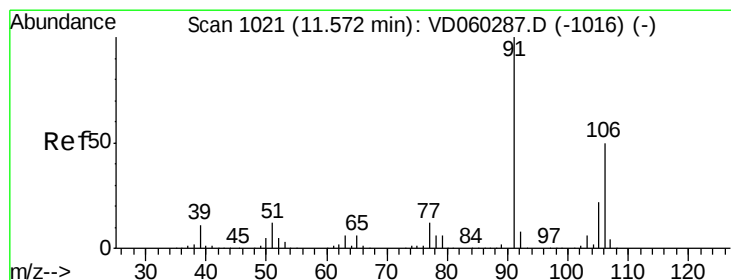
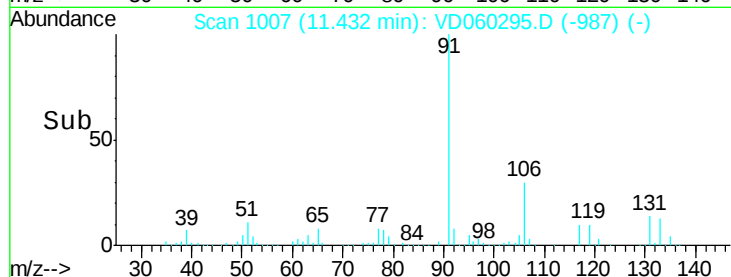
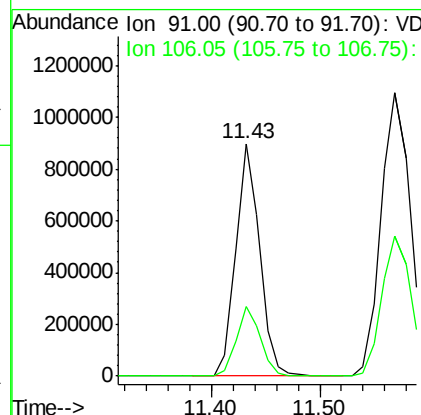
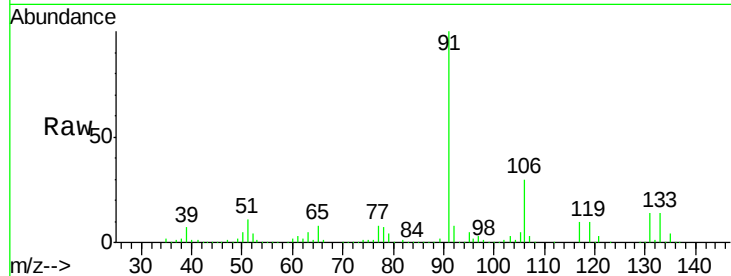




#67
Ethyl Benzene
Concen: 21.36 ug/l
RT: 11.43 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

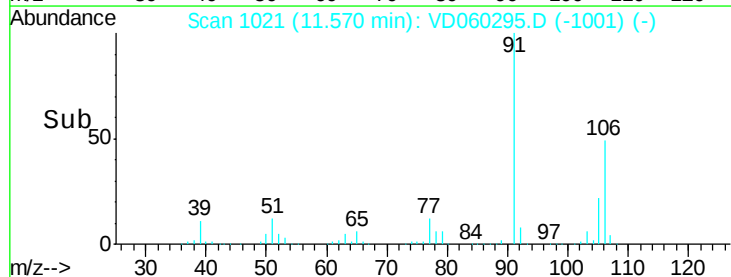
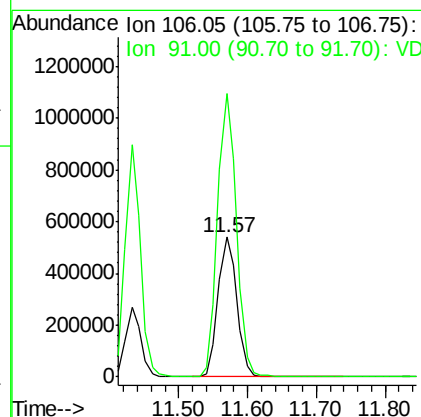
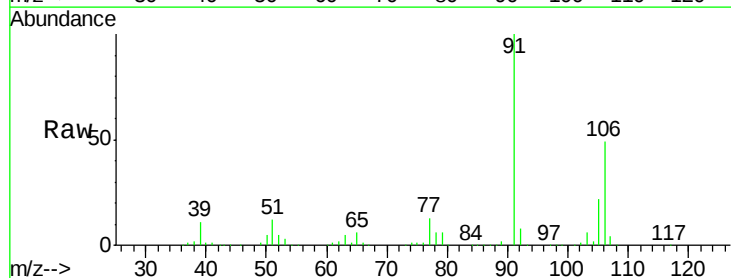
Instrument :
MSVOA_D
ClientSampled :

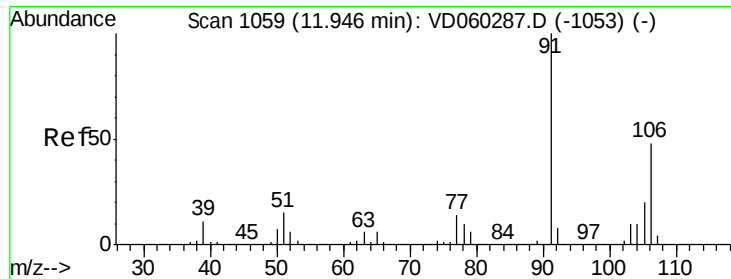
Tot Ion: 91 Resp: 1385433
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8



#68
m/p-Xylenes
Concen: 42.55 ug/l
RT: 11.57 min Scan# 1021
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion: 106 Resp: 1018078
Ion Ratio Lower Upper
106 100
91 202.3 159.4 239.2

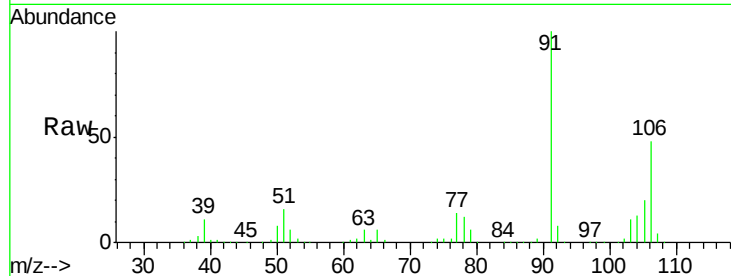




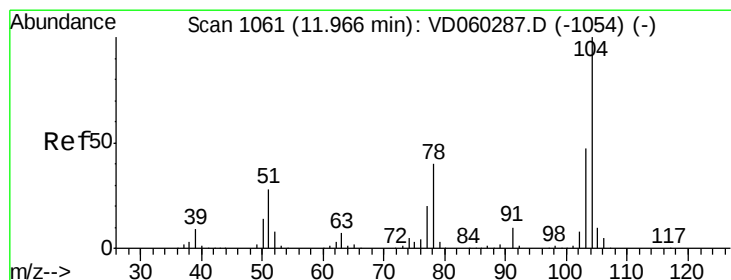
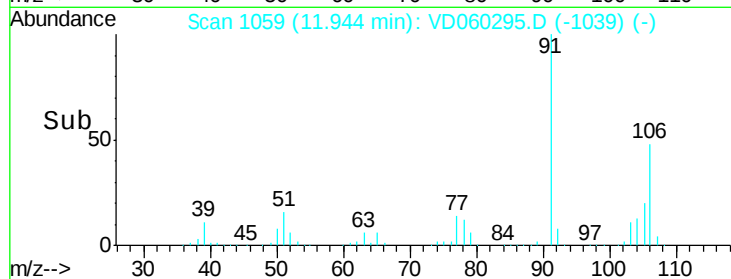
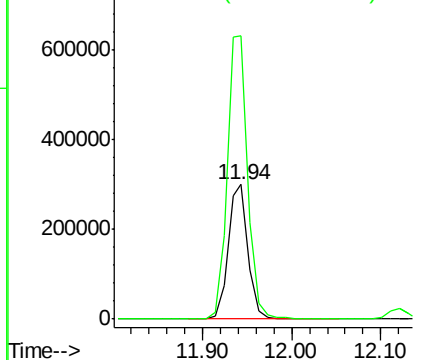
#69
o-Xylene
Concen: 20.26 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 468332
Ion Ratio Lower Upper
106 100
91 210.1 109.2 327.6

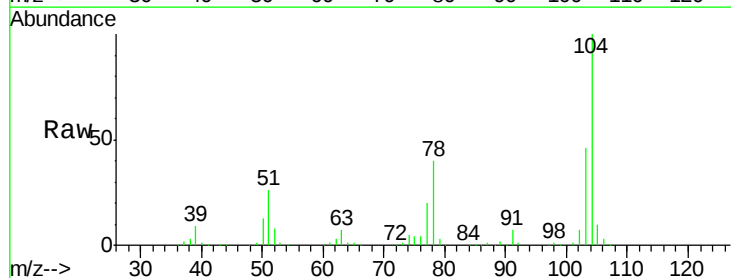


Abundance Ion 106.05 (105.75 to 106.75):
Ion 91.00 (90.70 to 91.70): VD

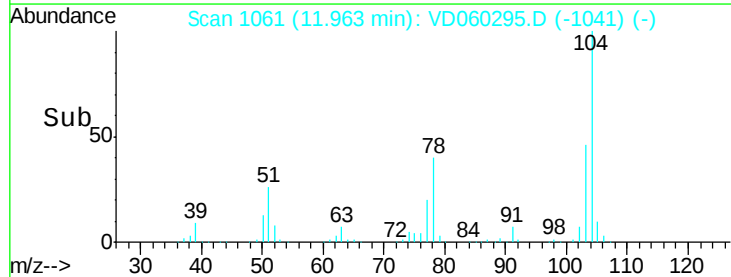
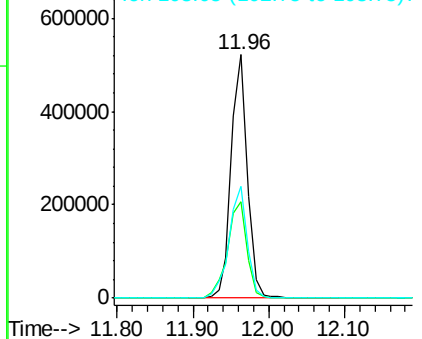


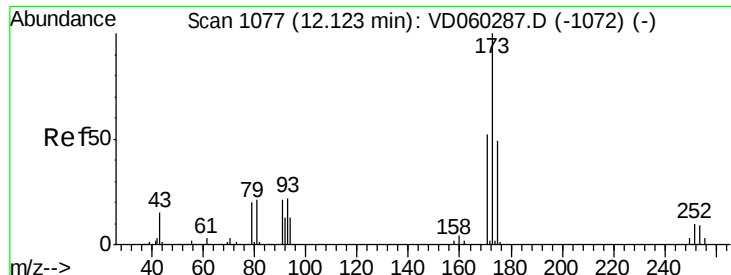
#70
Styrene
Concen: 20.45 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion:104 Resp: 764016
Ion Ratio Lower Upper
104 100
78 39.8 31.6 47.4
103 45.9 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):

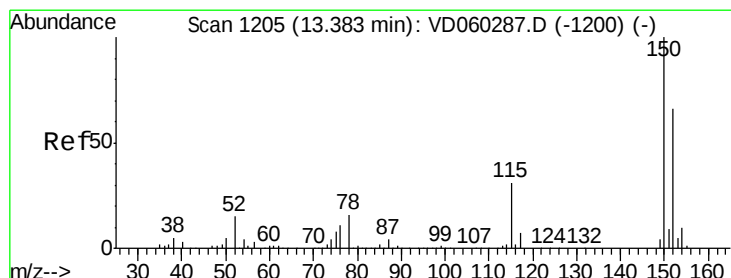
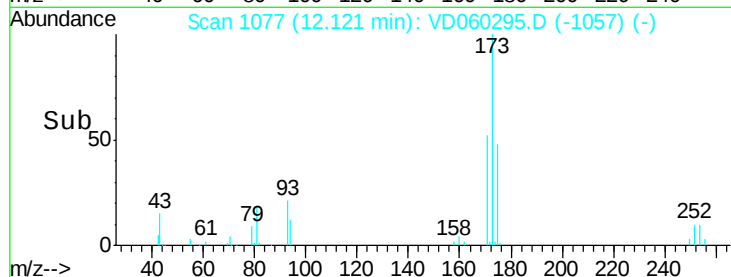
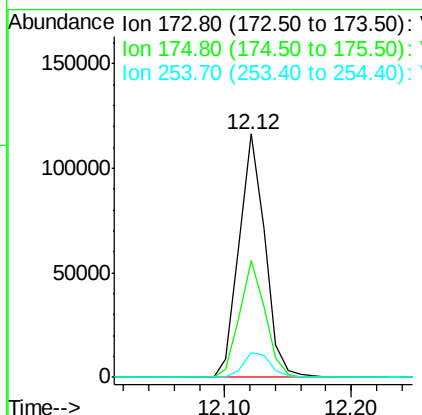
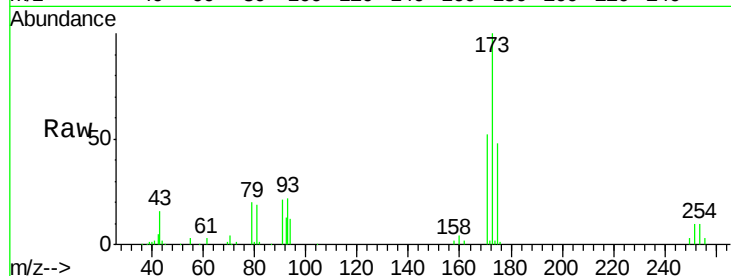




#71
Bromoform
Concen: 19.75 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

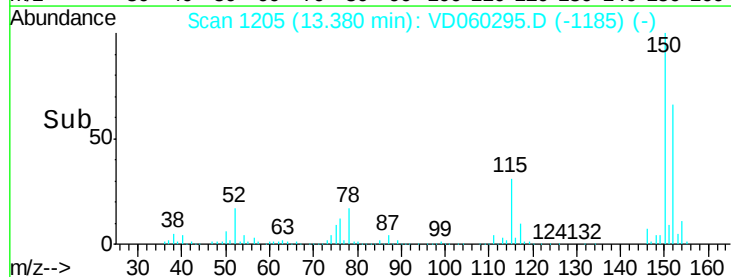
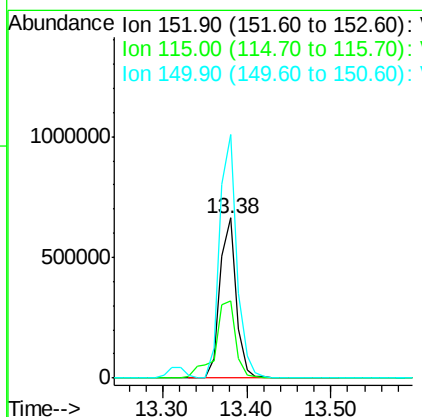
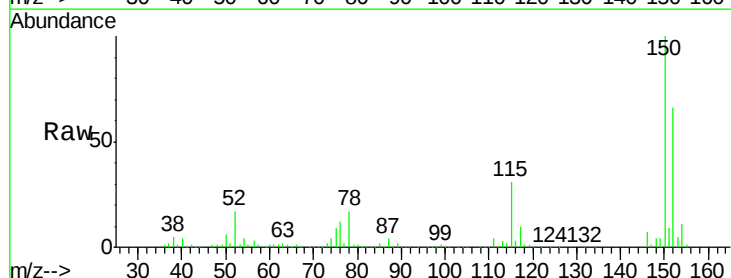
Instrument :
MSVOA_D
ClientSampleId :

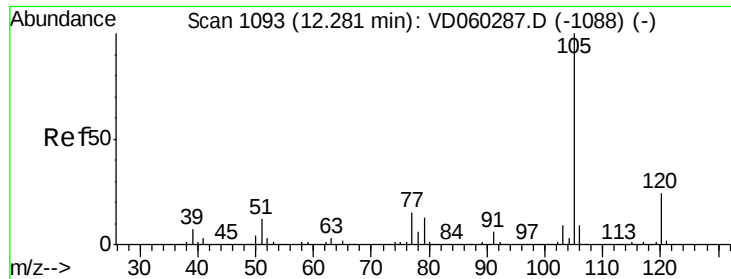
Tot Ion:173 Resp: 164630
Ion Ratio Lower Upper
173 100
175 47.8 24.3 73.0
254 10.1 8.3 12.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.38 min Scan# 1205
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion:152 Resp: 890873
Ion Ratio Lower Upper
152 100
115 47.9 24.1 72.3
150 152.2 0.0 310.6





#73

Isopropylbenzene

Concen: 20.75 ug/l

RT: 12.28 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

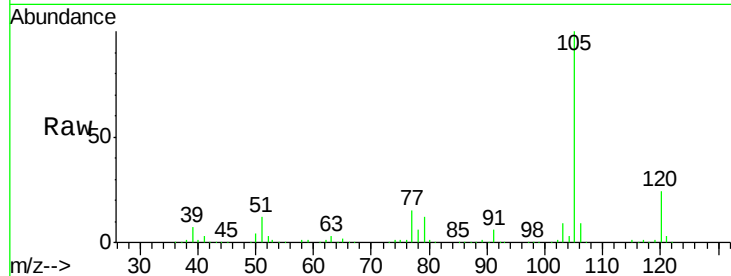
ClientSampled :

Tot Ion:105 Resp: 1346944

Ion Ratio Lower Upper

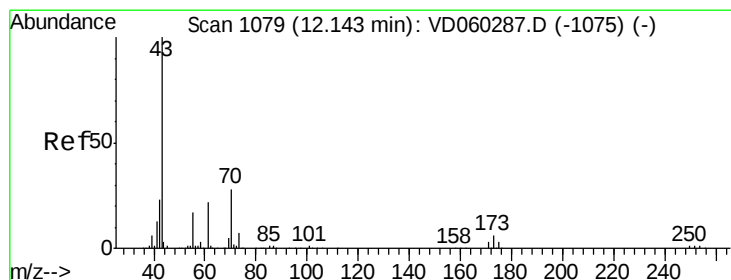
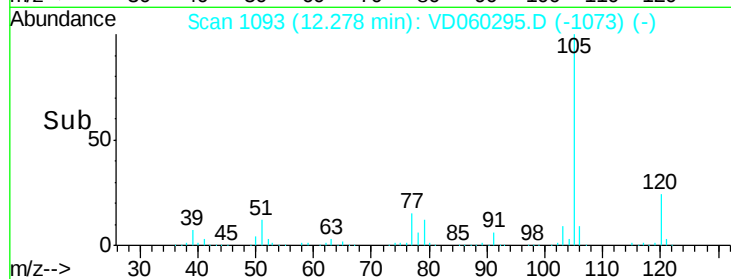
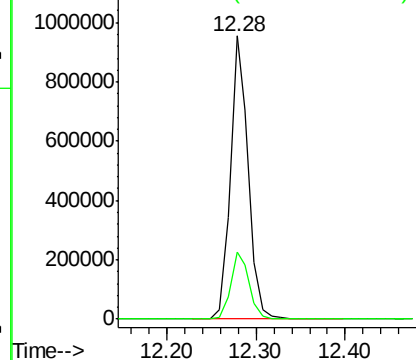
105 100

120 23.8 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: 19.76 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Tgt Ion: 43 Resp: 328810

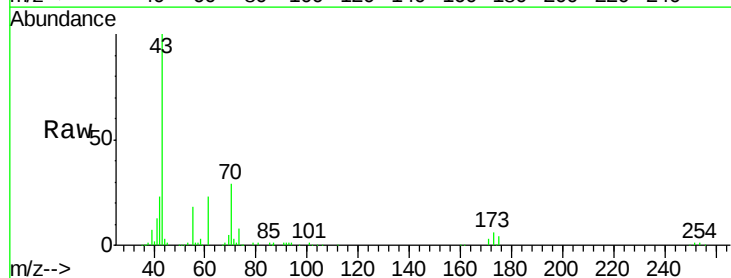
Ion Ratio Lower Upper

43 100

70 29.1 23.0 34.4

55 17.9 14.2 21.4

61 22.8 17.8 26.8

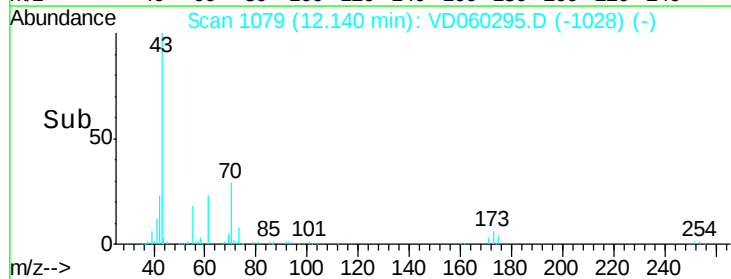
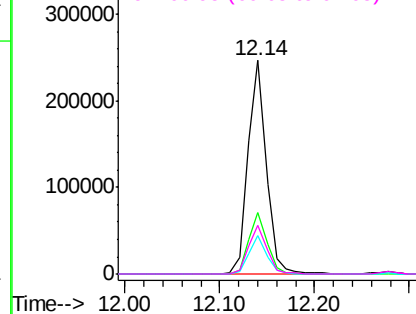


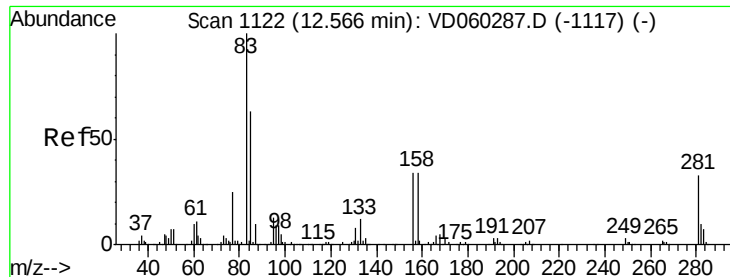
Abundance Ion 42.95 (42.65 to 43.65): VD

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: 20.32 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

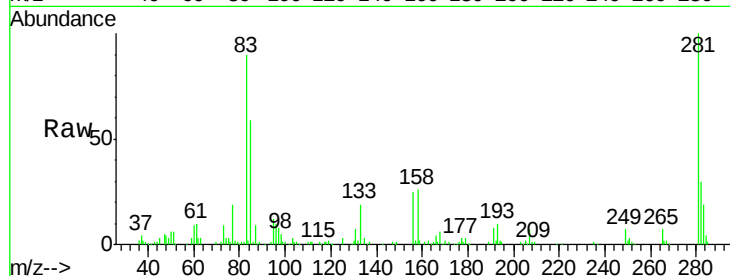
Tot Ion: 83 Resp: 215668

Ion Ratio Lower Upper

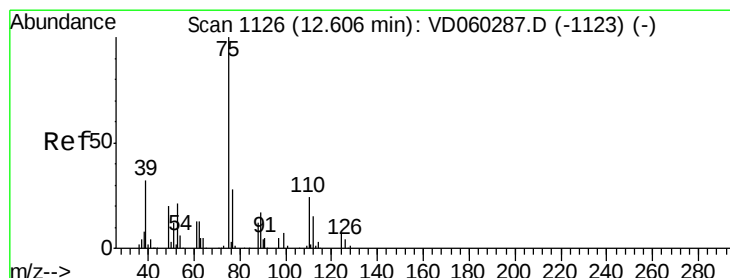
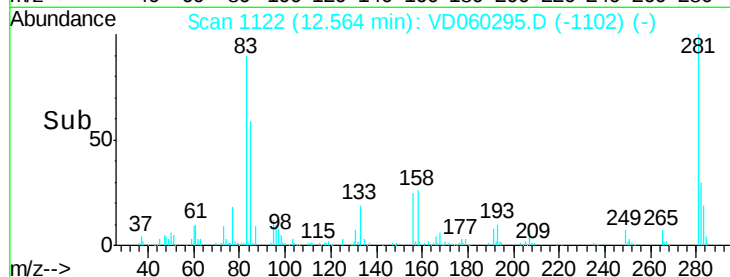
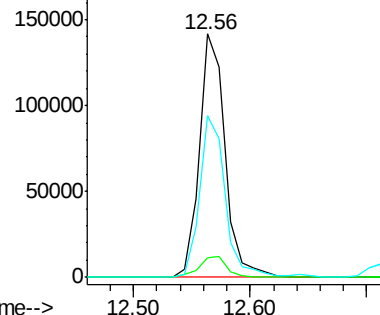
83 100

131 8.1 3.9 11.5

85 66.2 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: 19.56 ug/l

RT: 12.60 min Scan# 1126

Delta R.T. -0.00 min

Lab File: VD060295.D

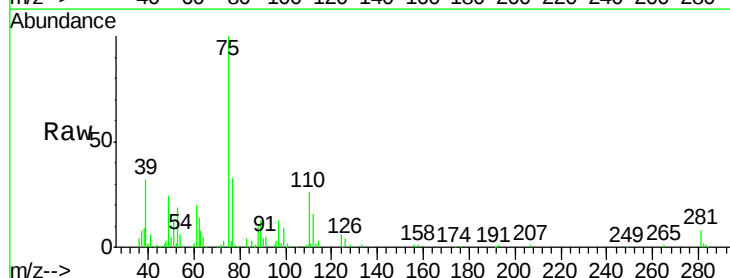
Acq: 7 Nov 2018 12:29

Tgt Ion: 75 Resp: 208456

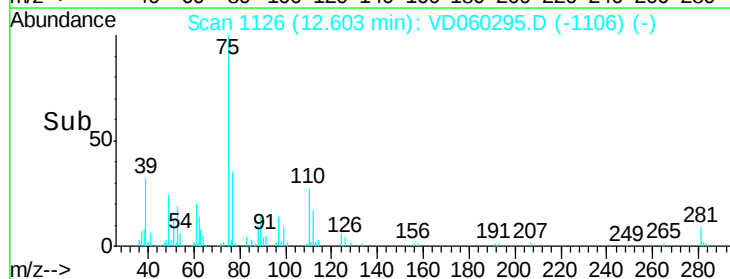
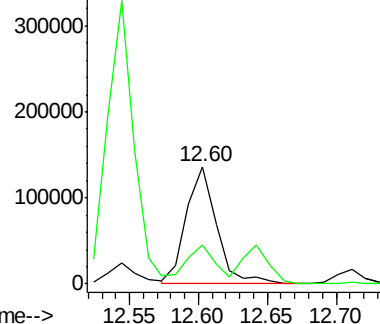
Ion Ratio Lower Upper

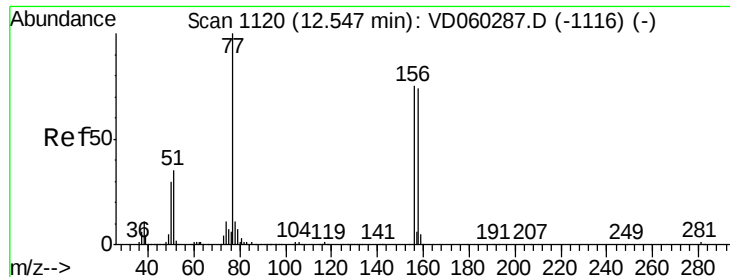
75 100

77 33.5 16.4 49.1



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

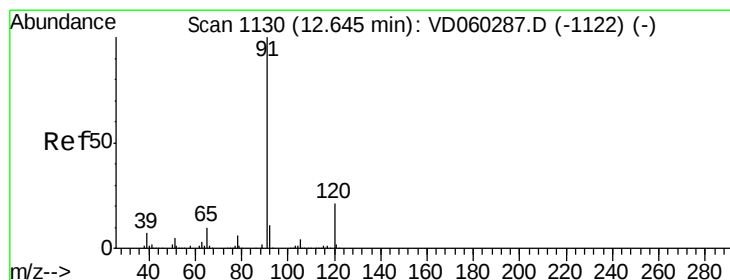
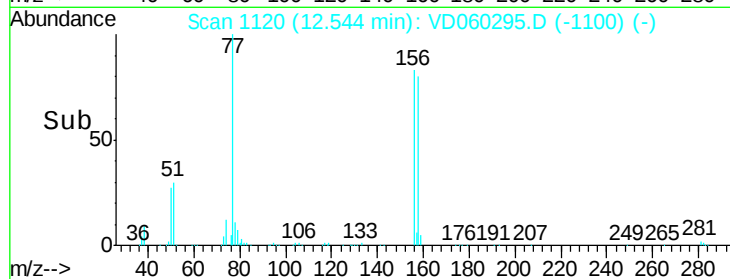
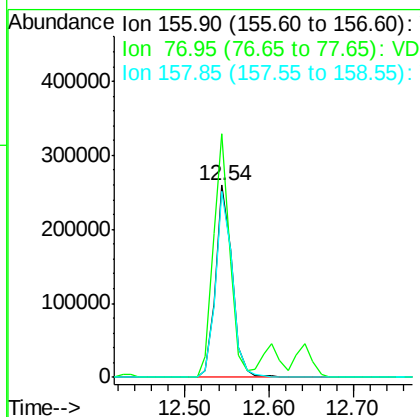
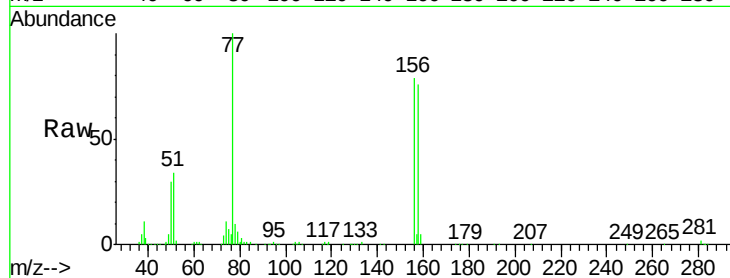




#77
Bromobenzene
Concen: 20.50 ug/l
RT: 12.54 min Scan# 1120
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

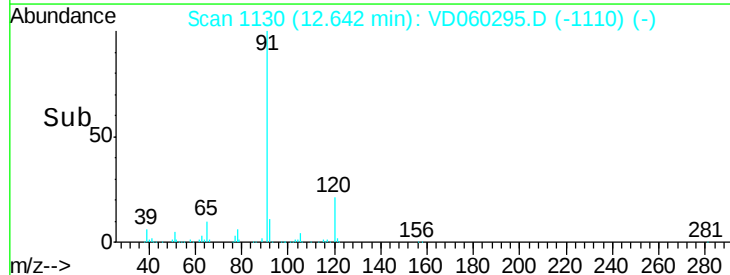
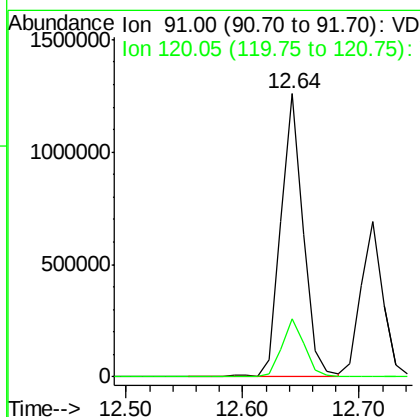
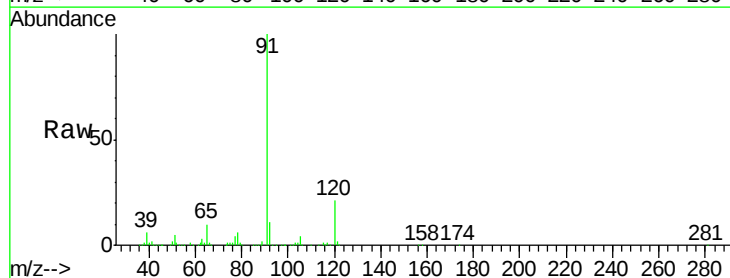
Instrument :
MSVOA_D
ClientSampleId :

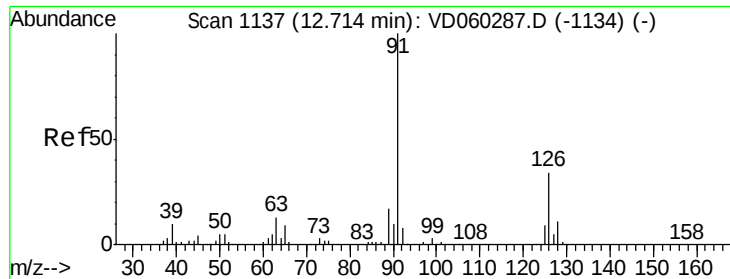
Tot Ion:156 Resp: 353488
Ion Ratio Lower Upper
156 100
77 126.8 61.2 183.6
158 96.7 49.2 147.6



#78
n-propylbenzene
Concen: 20.59 ug/l
RT: 12.64 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion: 91 Resp: 1667845
Ion Ratio Lower Upper
91 100
120 20.7 10.4 31.4

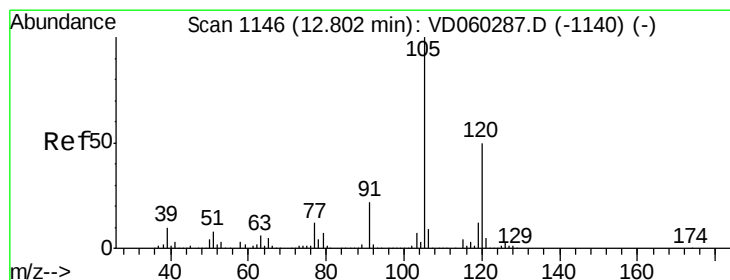
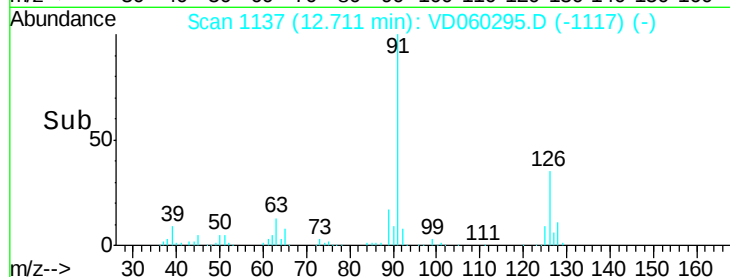
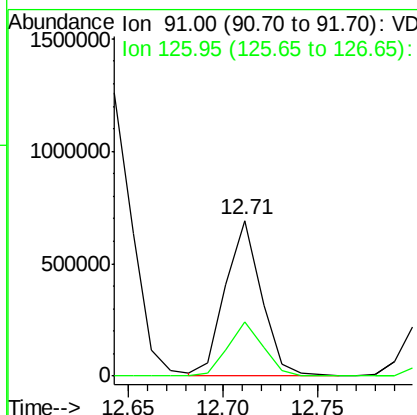
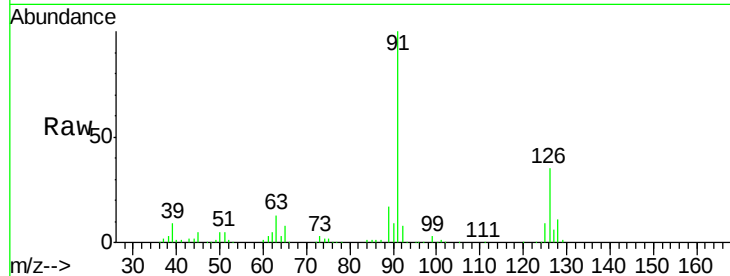




#79
 2-Chlorotoluene
 Concen: 20.57 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

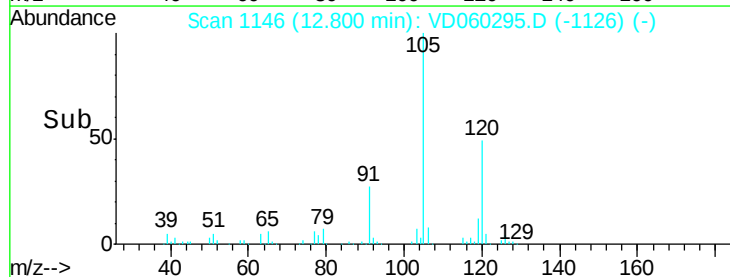
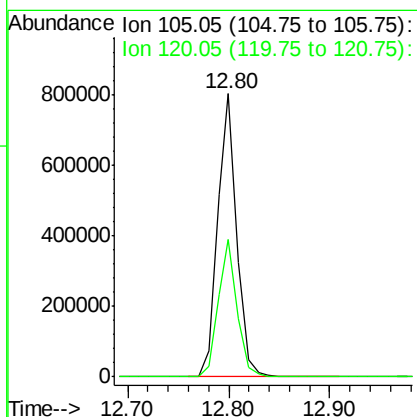
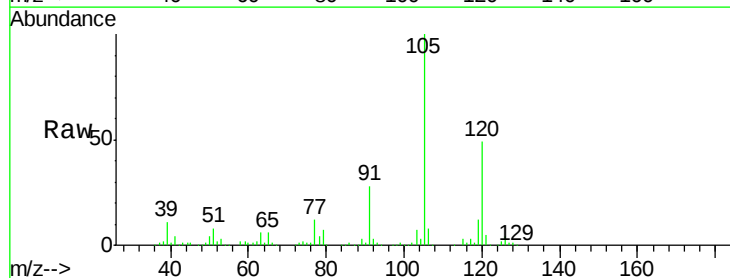
Instrument :
 MSVOA_D
 ClientSampled :

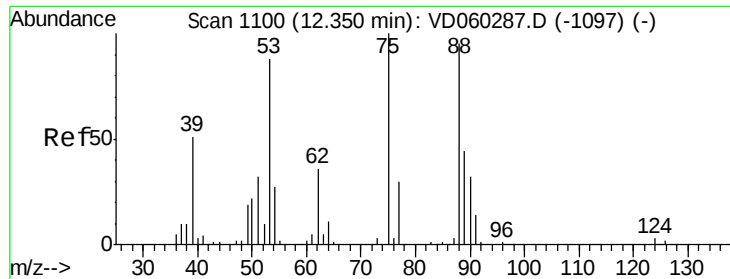
Tot Ion: 91 Resp: 912739
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 21.04 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion: 105 Resp: 1061411
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.19 ug/l

RT: 12.35 min Scan# 1100

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

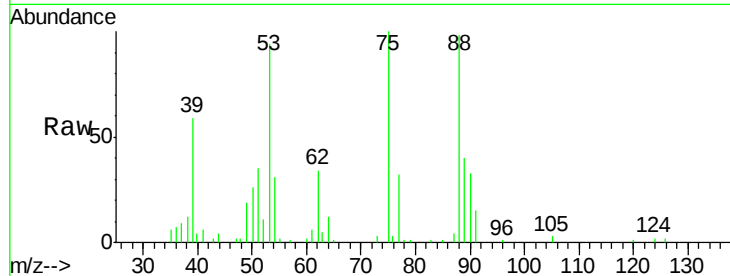
Tot Ion: 75 Resp: 58222

Ion Ratio Lower Upper

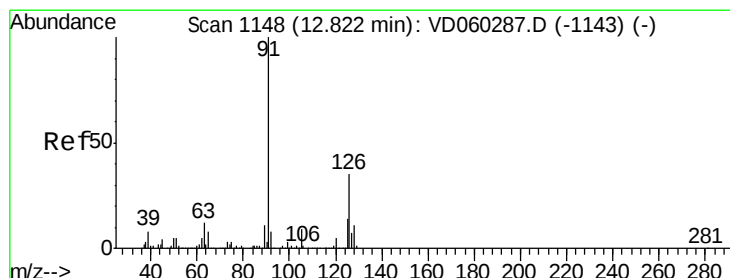
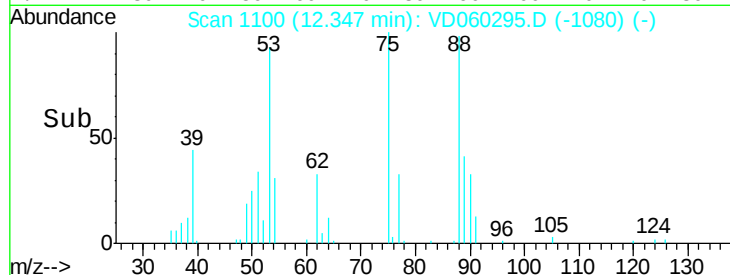
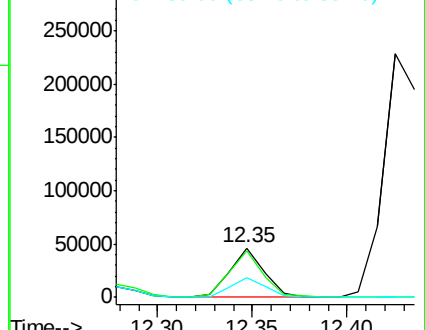
75 100

53 94.5 68.6 103.0

89 40.2 34.1 51.1



Abundance Ion 75.00 (74.70 to 75.70): VD
Ion 53.00 (52.70 to 53.70): VD
Ion 89.00 (88.70 to 89.70): VD



#82

4-Chlorotoluene

Concen: 20.92 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VD060295.D

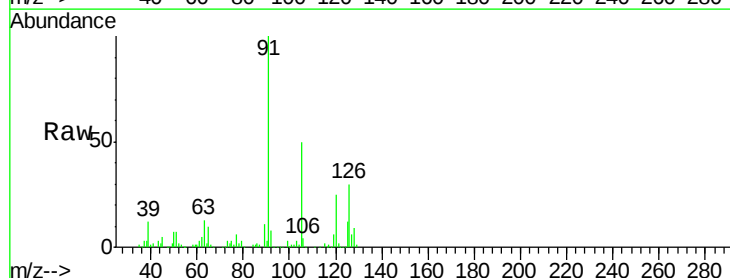
Acq: 7 Nov 2018 12:29

Tgt Ion: 91 Resp: 1042792

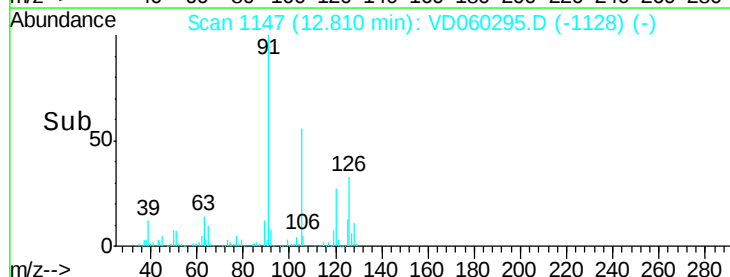
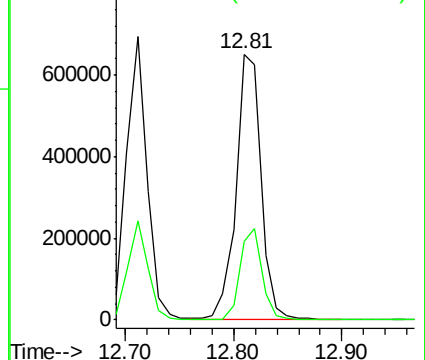
Ion Ratio Lower Upper

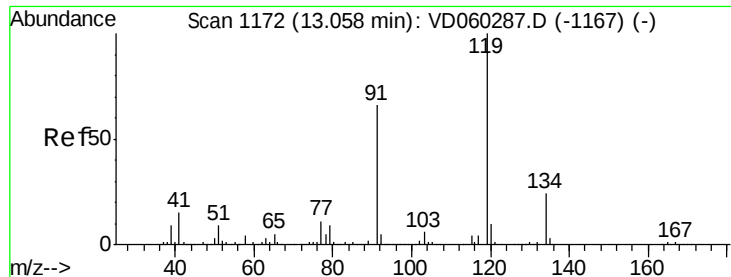
91 100

126 29.7 14.8 44.4



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

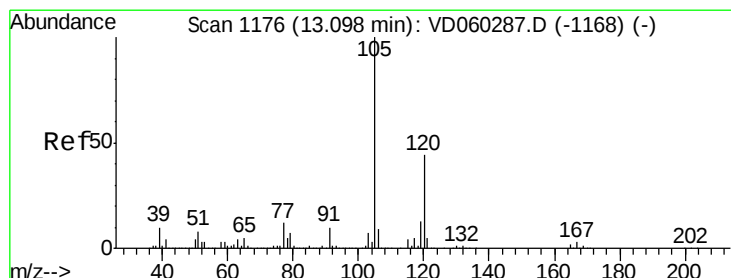
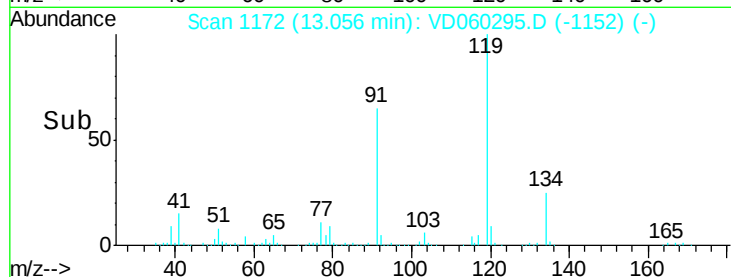
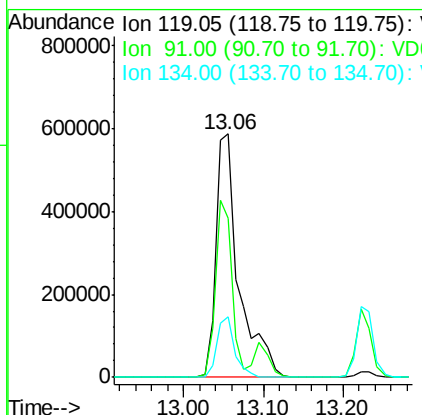
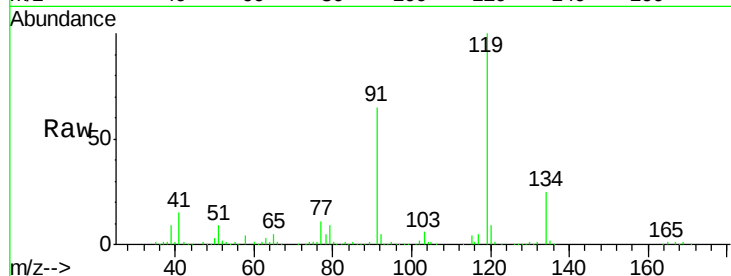




#83
tert-Butylbenzene
Concen: 21.19 ug/l
RT: 13.06 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

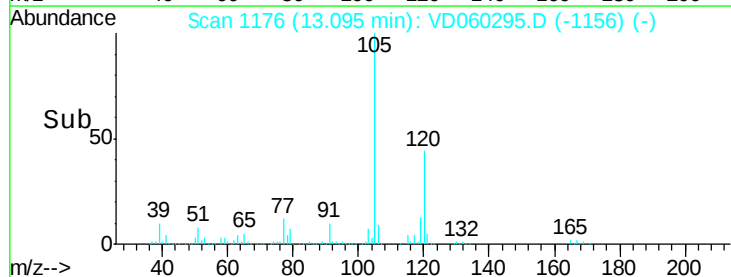
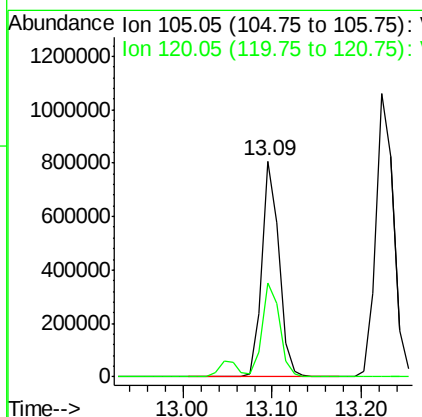
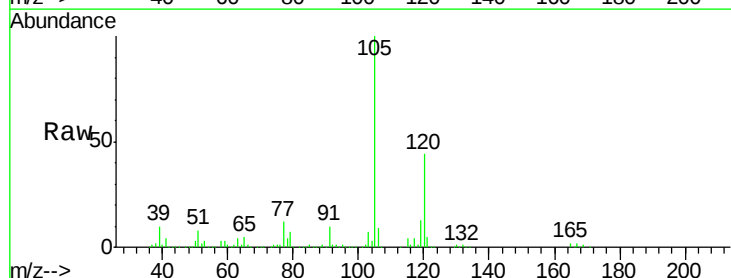
Instrument :
MSVOA_D
ClientSampleId :

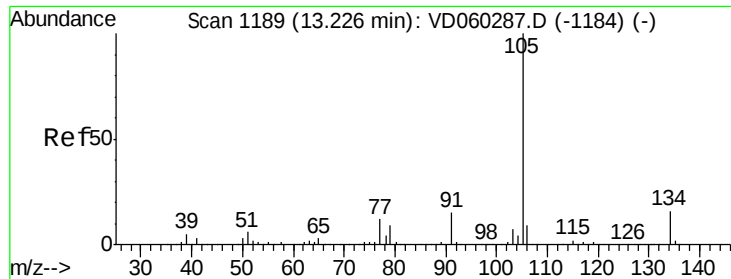
Tot Ion:119 Resp: 1186929
Ion Ratio Lower Upper
119 100
91 65.5 32.7 98.1
134 24.6 12.1 36.3



#84
1,2,4-Trimethylbenzene
Concen: 21.09 ug/l
RT: 13.09 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion:105 Resp: 1062350
Ion Ratio Lower Upper
105 100
120 43.5 21.9 65.8





#85

sec-Butylbenzene

Concen: 20.96 ug/l

RT: 13.22 min Scan# 1189

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

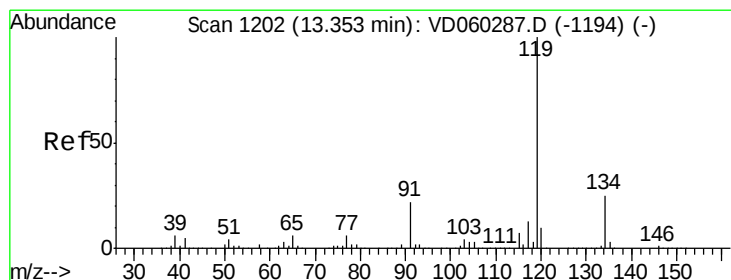
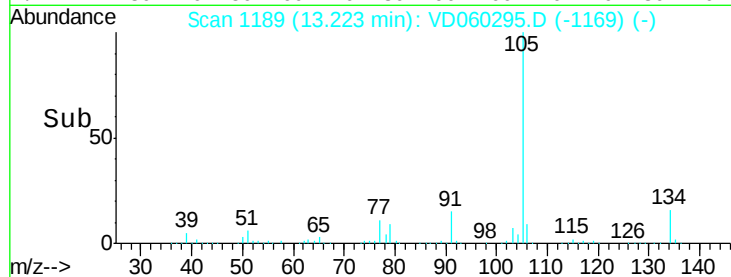
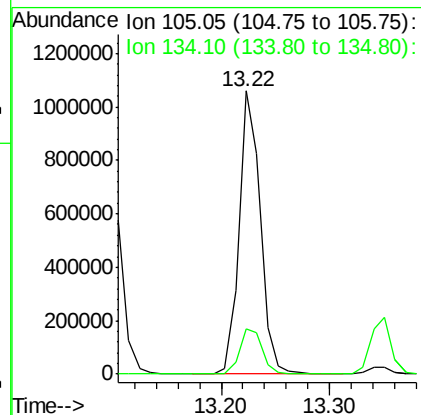
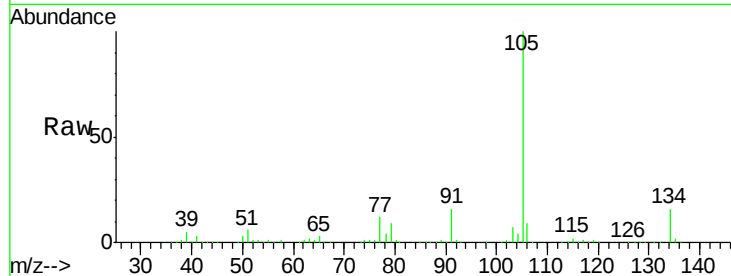
ClientSampled :

Tot Ion:105 Resp: 1440249

Ion Ratio Lower Upper

105 100

134 16.1 8.0 24.0



#86

p-Isopropyltoluene

Concen: 21.07 ug/l

RT: 13.35 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

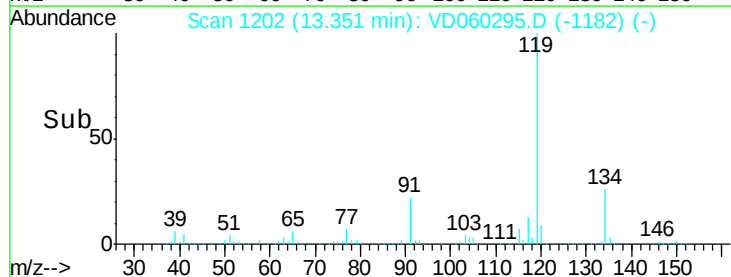
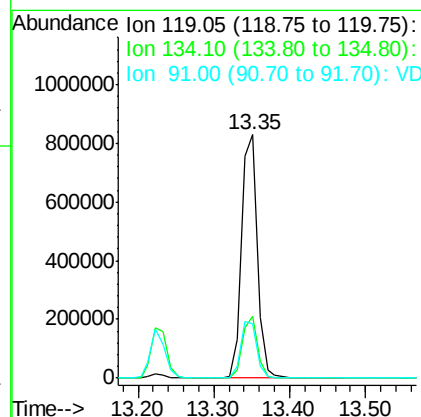
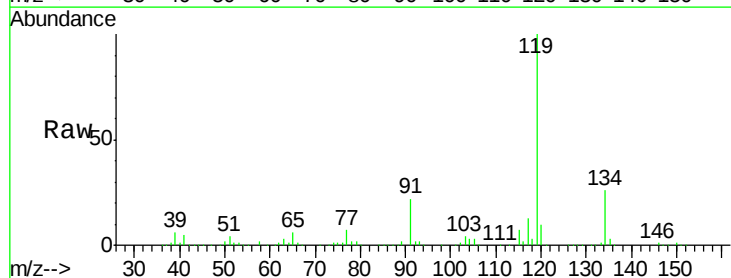
Tgt Ion:119 Resp: 1165918

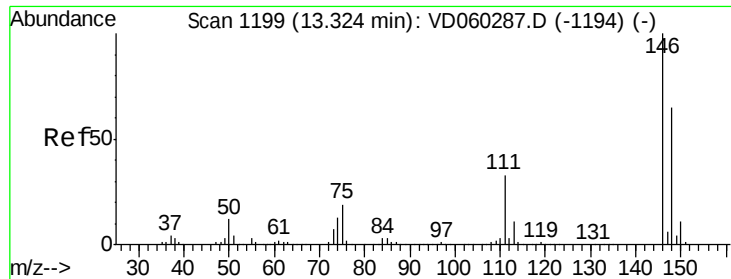
Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.6

91 22.1 11.3 33.8

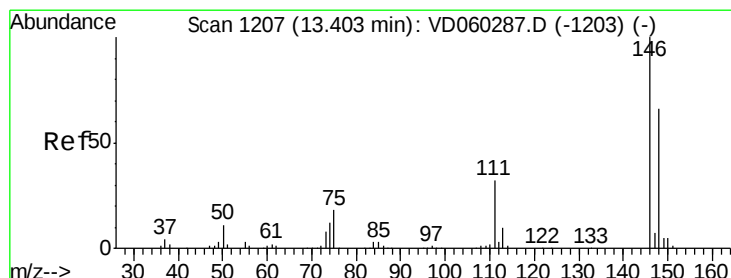
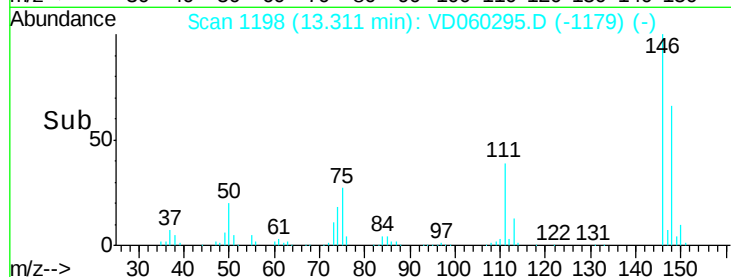
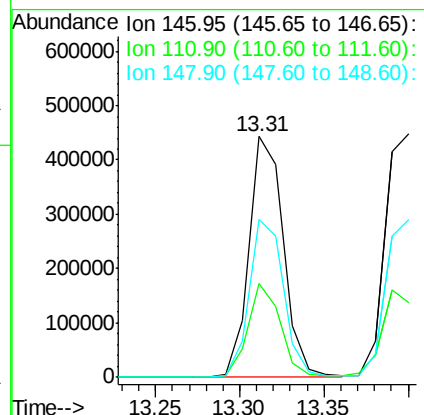
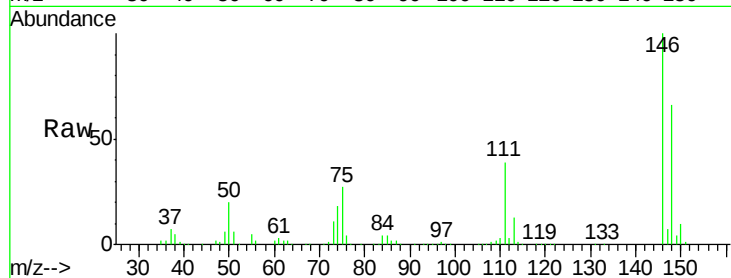




#87
 1,3-Dichlorobenzene
 Concen: 20.49 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

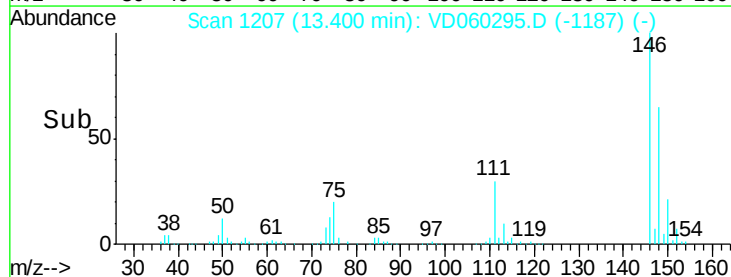
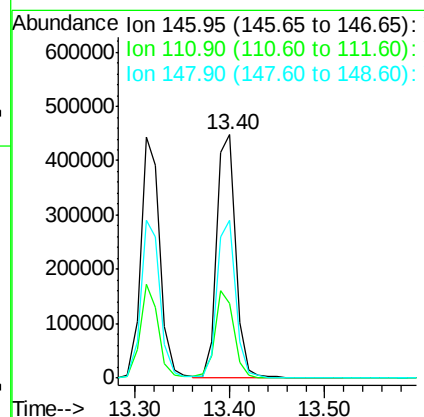
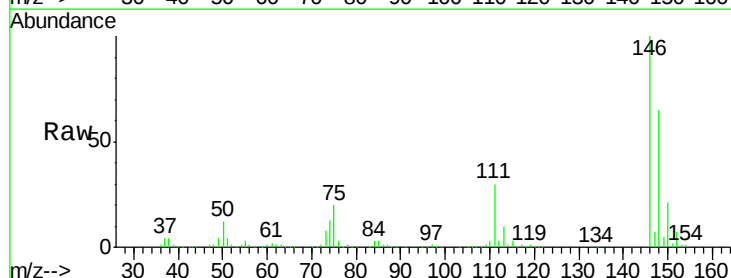
Instrument :
 MSVOA_D
 ClientSampled :

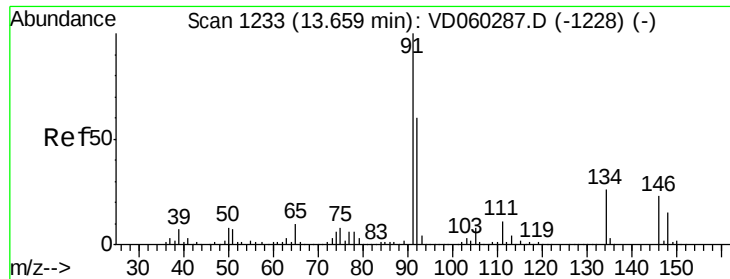
Tot Ion:146 Resp: 628569
 Ion Ratio Lower Upper
 146 100
 111 39.1 20.2 60.5
 148 65.8 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 20.98 ug/l
 RT: 13.40 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion:146 Resp: 628540
 Ion Ratio Lower Upper
 146 100
 111 30.5 16.0 47.9
 148 65.1 32.9 98.7

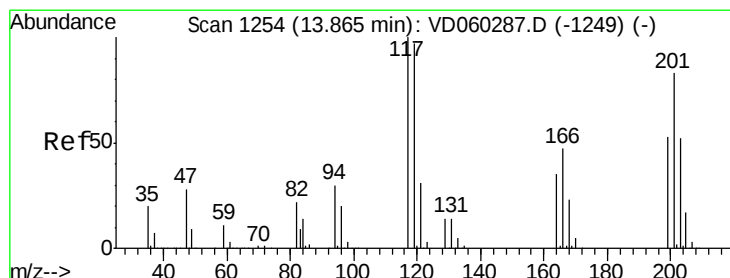
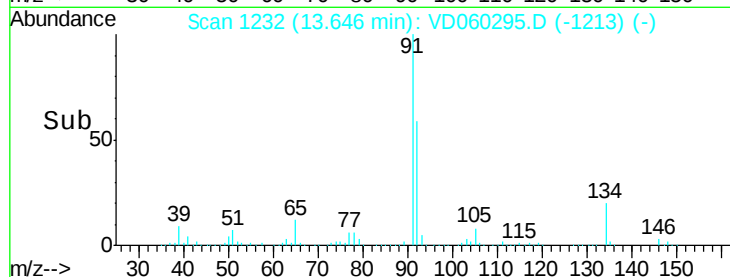
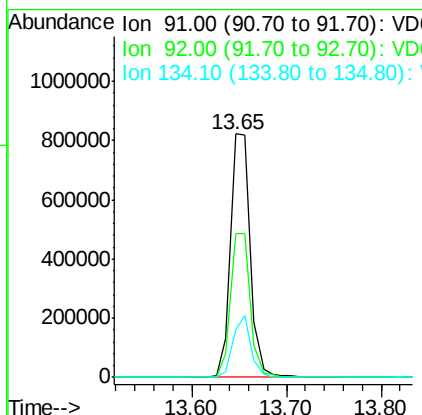
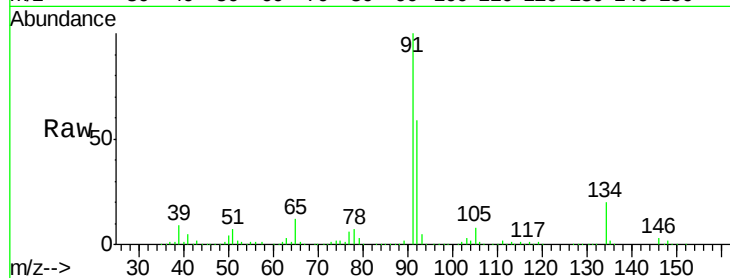




#89
n-Butylbenzene
Concen: 19.61 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

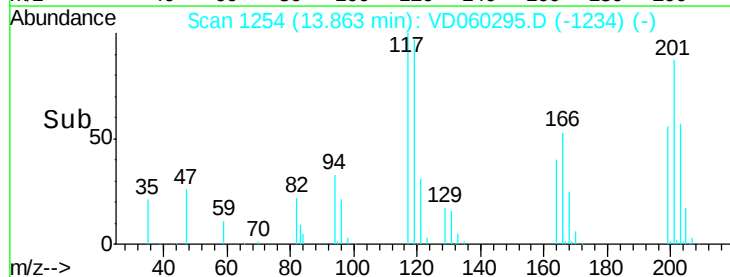
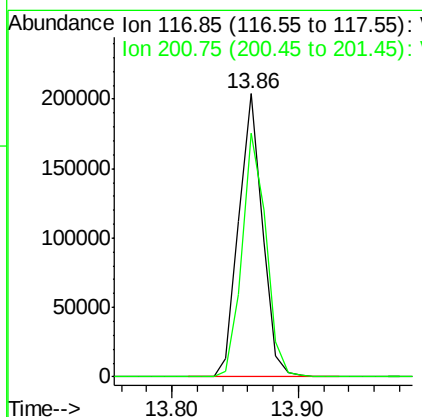
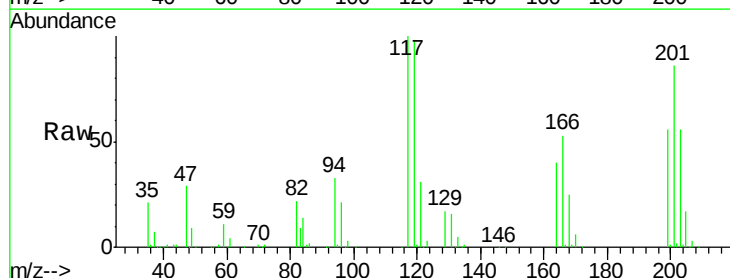
Instrument :
MSVOA_D
ClientSampleId :

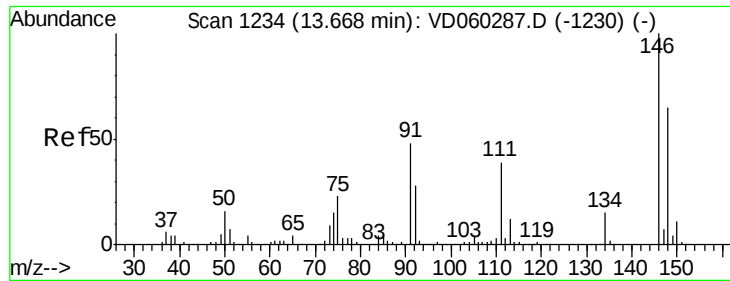
Tot Ion: 91 Resp: 1196242
Ion Ratio Lower Upper
91 100
92 59.3 30.3 90.9
134 19.9 13.0 38.9



#90
Hexachloroethane
Concen: 20.17 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060295.D
Acq: 7 Nov 2018 12:29

Tgt Ion: 117 Resp: 264658
Ion Ratio Lower Upper
117 100
201 85.9 40.1 120.3

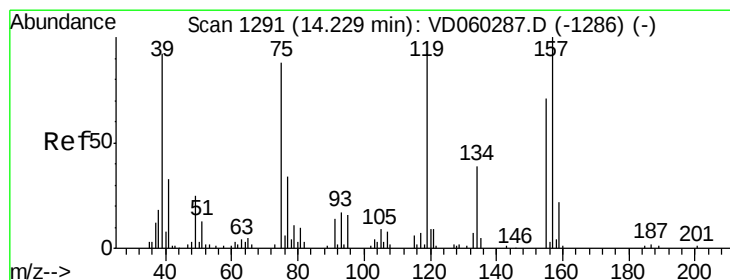
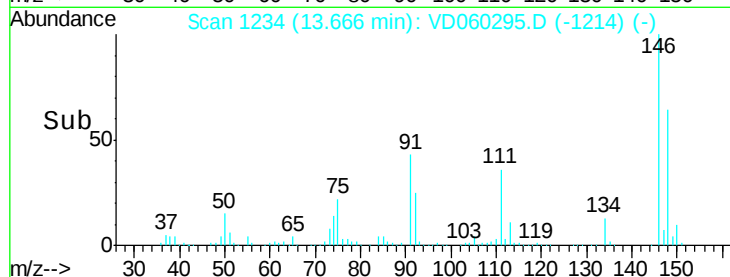
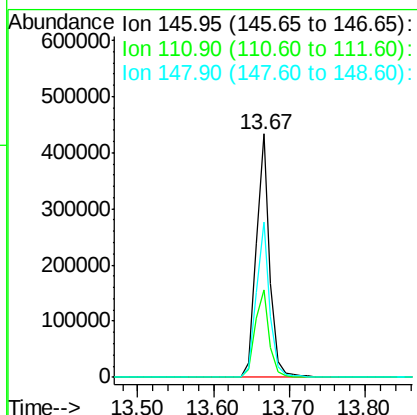
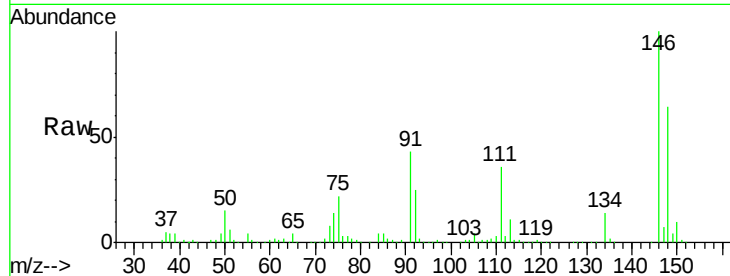




#91
 1,2-Dichlorobenzene
 Concen: 21.36 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

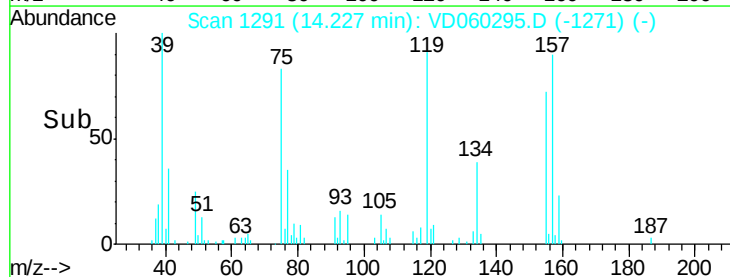
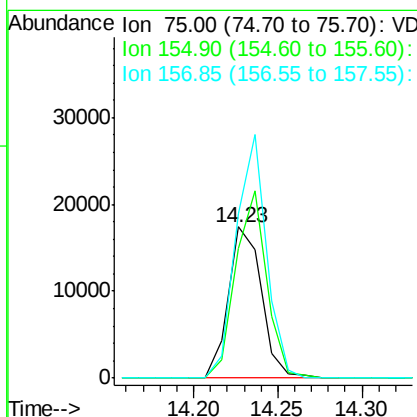
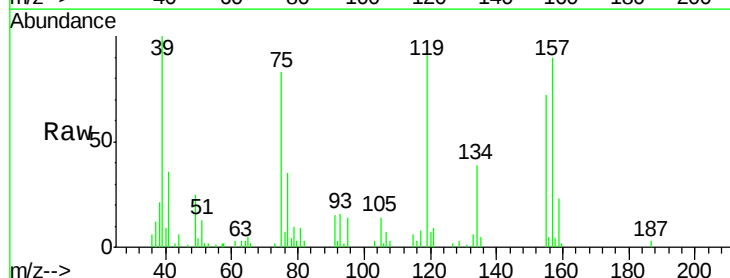
Instrument :
 MSVOA_D
 ClientSampleID :

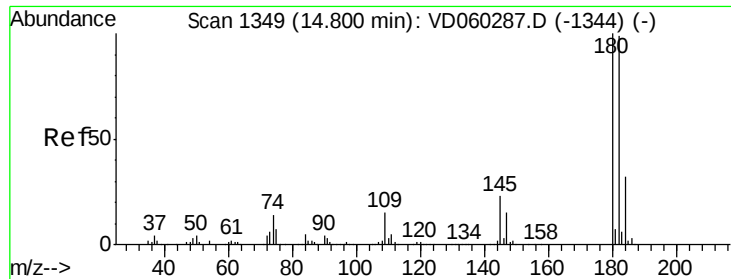
Tot Ion:146 Resp: 538230
 Ion Ratio Lower Upper
 146 100
 111 35.9 18.9 56.9
 148 63.9 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.52 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion: 75 Resp: 23734
 Ion Ratio Lower Upper
 75 100
 155 86.1 64.3 192.9
 157 108.7 81.0 243.1

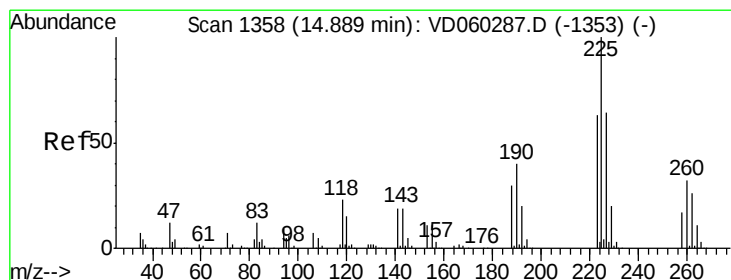
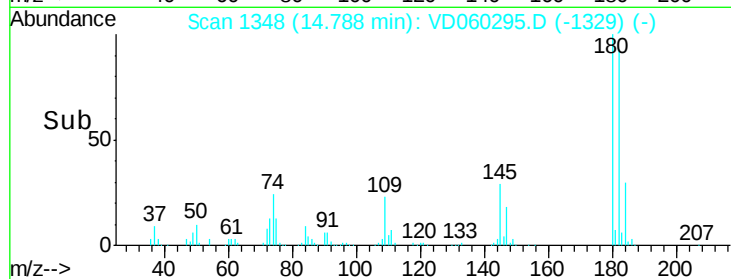
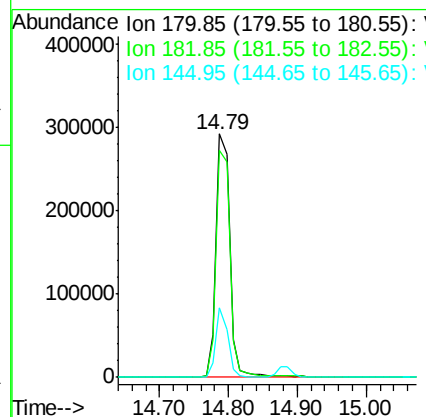
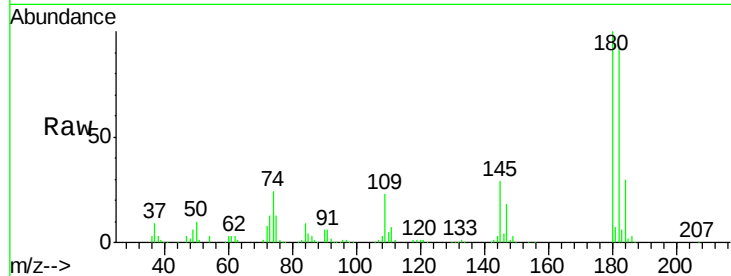




#93
 1,2,4-Trichlorobenzene
 Concen: 20.42 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

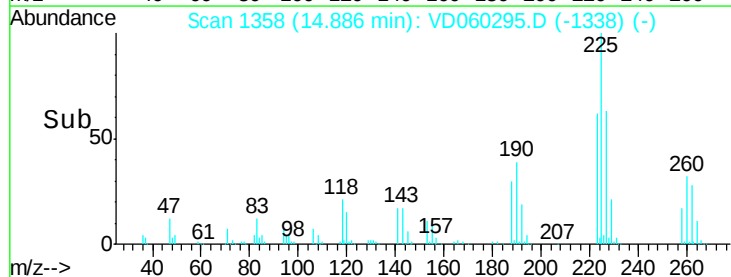
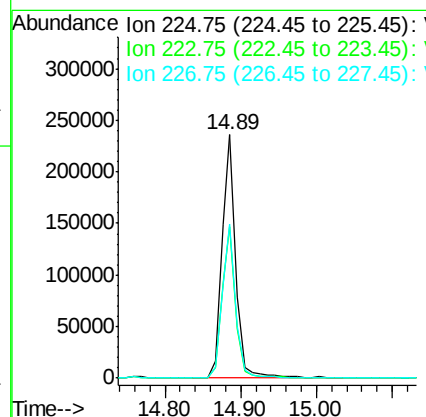
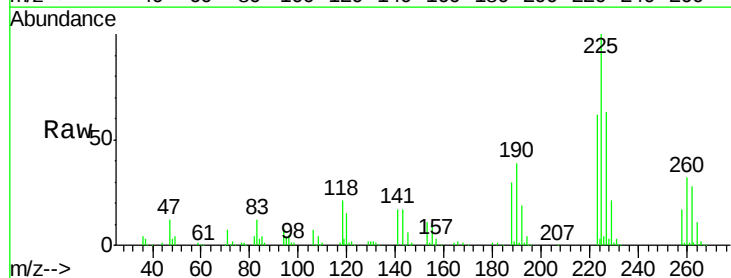
Instrument :
 MSVOA_D
 ClientSampleId :

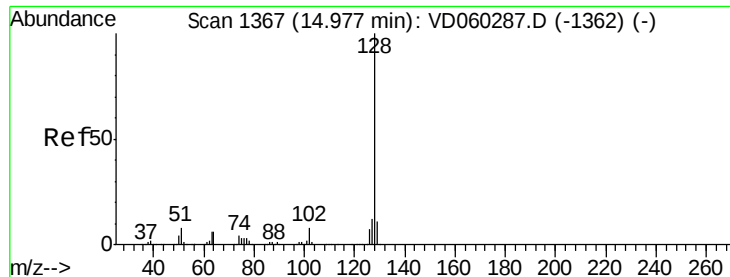
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.1	144.4
145	28.8	11.5	34.4



#94
 Hexachlorobutadiene
 Concen: 20.33 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060295.D
 Acq: 7 Nov 2018 12:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.6	94.8
227	63.5	32.3	96.9





#95

Naphthalene

Concen: 19.66 ug/l

RT: 14.97 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

Instrument :

MSVOA_D

ClientSampleId :

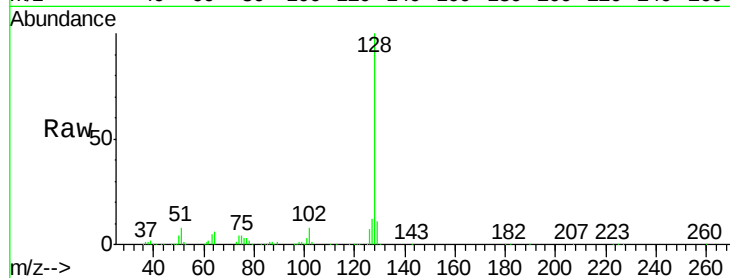
Tot Ion:128 Resp: 479539

Ion Ratio Lower Upper

128 100

127 11.6 9.6 14.4

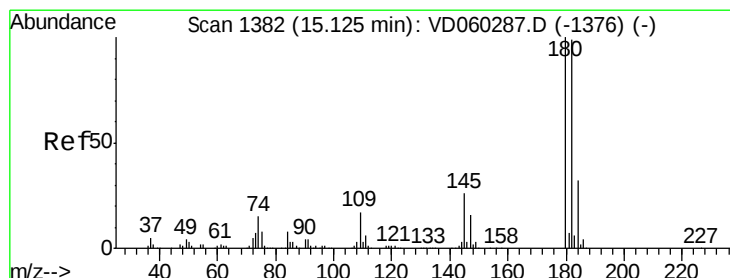
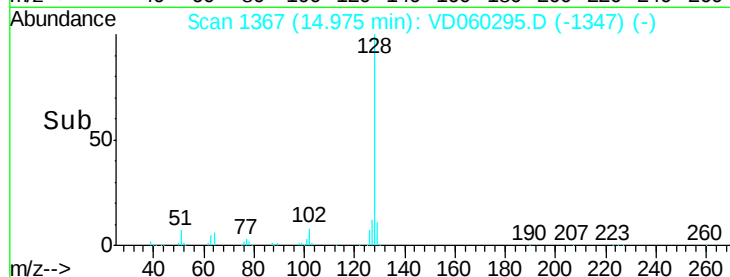
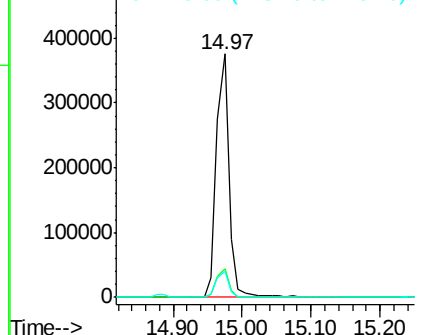
129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70):

Ion 127.00 (126.70 to 127.70):

Ion 129.00 (128.70 to 129.70):



#96

1,2,3-Trichlorobenzene

Concen: 19.85 ug/l

RT: 15.12 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VD060295.D

Acq: 7 Nov 2018 12:29

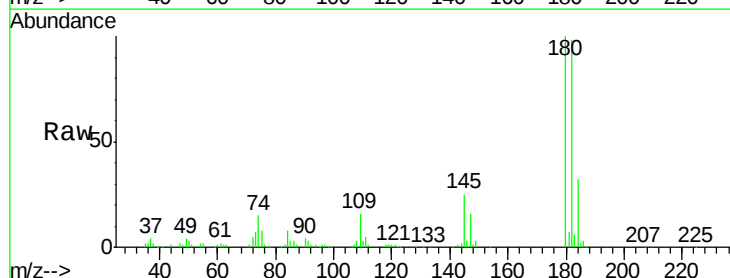
Tgt Ion:180 Resp: 317780

Ion Ratio Lower Upper

180 100

182 97.7 48.9 146.7

145 25.4 12.9 38.6



Abundance Ion 179.85 (179.55 to 180.55):

Ion 181.85 (181.55 to 182.55):

Ion 144.95 (144.65 to 145.65):

