

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111418\
 Data File : VD060381.D
 Acq On : 14 Nov 2018 16:13
 Operator : JC/SY
 Sample : J5930-01
 Misc : 6.61g/5ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 32727-45914-21716

Quant Time: Nov 15 05:42:02 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	6.37	168	707662	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	7.42	114	1105016	50.00	ug/l	-0.04
63) Chlorobenzene-d5	11.27	117	558218	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	13.36	152	78878	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.76	65	334644	66.04	ug/l	-0.04
Spiked Amount			Recovery	=		132.08%
35) Dibromofluoromethane	6.30	113	410723	49.85	ug/l	-0.04
Spiked Amount			Recovery	=		99.70%
50) Toluene-d8	9.42	98	796879	33.04	ug/l	-0.04
Spiked Amount			Recovery	=		66.08%
62) 4-Bromofluorobenzene	12.34	95	49310	5.64	ug/l	-0.10
Spiked Amount			Recovery	=		11.28%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	559	Below Cal	#	41
8) Diethyl Ether	2.80	74	2817	2.411	ug/l	48
16) Acetone	3.14	43	87469	99.519	ug/l	100
17) Carbon Disulfide	3.29	76	34391	3.086	ug/l #	93
20) Methylene Chloride	3.70	84	103561	13.283	ug/l	99
25) 2-Butanone	5.59	43	28691	15.705	ug/l	99
29) Tetrahydrofuran	5.93	42	2032	2.110	ug/l #	41
30) Chloroform	6.08	83	44056	3.482	ug/l	94
31) Cyclohexane	6.33	56	14865	1.229	ug/l	90
36) 1,1-Dichloropropene	6.37	75	50274	4.605	ug/l #	45
37) Ethyl Acetate	5.59	43	28691	5.711	ug/l #	69
38) Carbon Tetrachloride	6.37	117	56433	5.573	ug/l #	14
39) Methylcyclohexane	8.01	83	76911	6.125	ug/l	90
40) Benzene	6.76	78	293365	10.527	ug/l	98
52) Toluene	9.52	92	257047	14.440	ug/l	99
56) Ethyl methacrylate	9.92	69	11673	2.461	ug/l #	1
59) 2-Hexanone	10.42	43	36818	12.577	ug/l #	34
65) Chlorobenzene	11.29	112	266800	22.059	ug/l	99
67) Ethyl Benzene	11.40	91	207605	10.034	ug/l	97
68) m/p-Xylenes	11.54	106	121175	15.877	ug/l	93
69) o-Xylene	11.91	106	40556	5.500	ug/l	99
73) Isopropylbenzene	12.26	105	45240	7.872	ug/l	86
74) N-amyl acetate	12.19	43	587508	398.752	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.56	83	119933	127.607	ug/l #	66
77) Bromobenzene	12.52	156	4131	2.706	ug/l #	46
78) n-propylbenzene	12.62	91	24295	3.387	ug/l	97
79) 2-Chlorotoluene	12.79	91	28433	7.237	ug/l	97
80) 1,3,5-Trimethylbenzene	12.78	105	63149	14.139	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.41	75	41256	153.579	ug/l #	32
82) 4-Chlorotoluene	12.79	91	27999	6.344	ug/l	93
83) tert-Butylbenzene	13.08	119	12534	2.528	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.08	105	103817	23.275	ug/l	100
85) sec-Butylbenzene	13.21	105	40327	6.629	ug/l	91
86) p-Isopropyltoluene	13.33	119	31922	6.516	ug/l	87

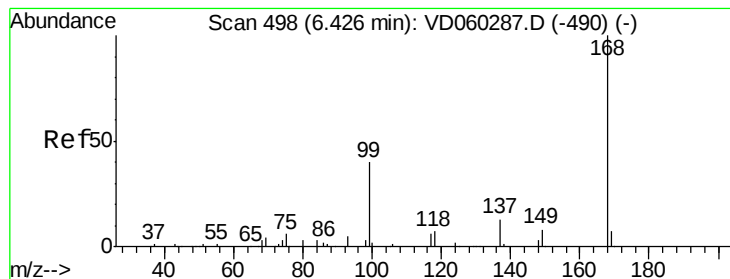
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111418\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	13.30	146	7002	2.578	ug/l #	1
88) 1,4-Dichlorobenzene	13.38	146	20217	7.622	ug/l #	1
89) n-Butylbenzene	13.64	91	63995	11.130	ug/l	73
90) Hexachloroethane	13.89	117	5859	5.044	ug/l #	9
91) 1,2-Dichlorobenzene	13.65	146	33668	15.093	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.21	75	322	2.838	ug/l #	17
95) Naphthalene	14.96	128	106047	49.103	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.37 min Scan# 493

Delta R.T. -0.05 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

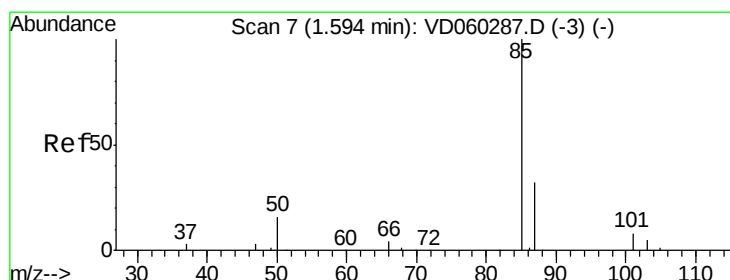
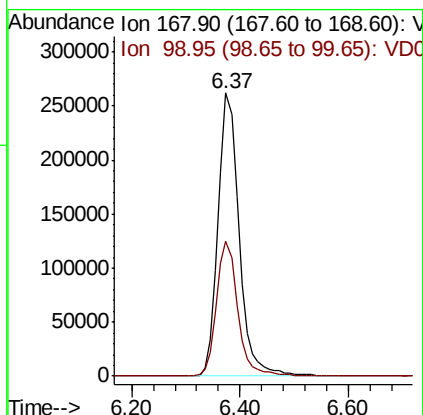
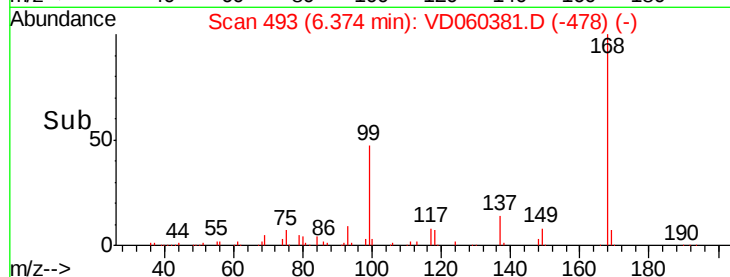
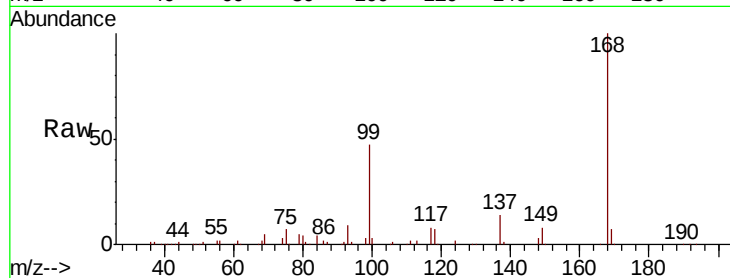
Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tot Ion:168 Resp: 707662

Ion Ratio Lower Upper

168 100

99 47.5 39.8 59.8



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.57 min Scan# 5

Delta R.T. -0.02 min

Lab File: VD060381.D

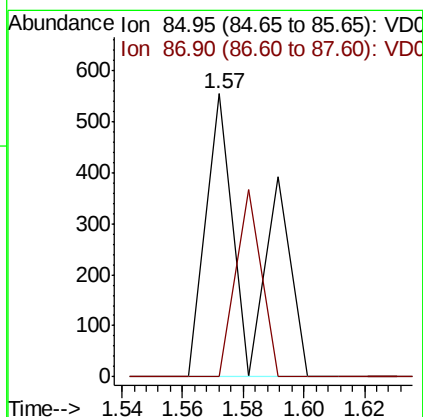
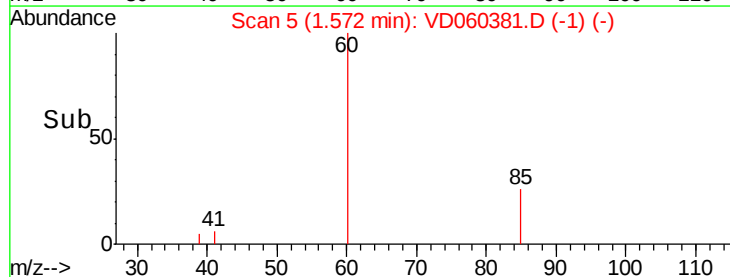
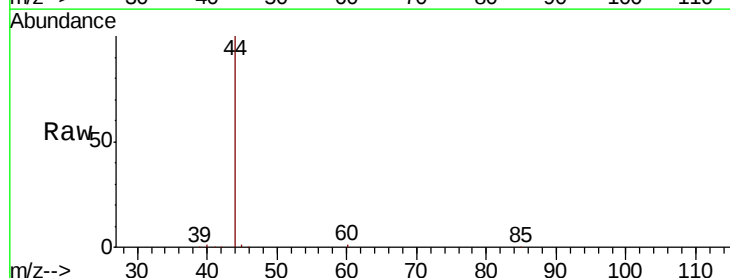
Acq: 14 Nov 2018 16:13

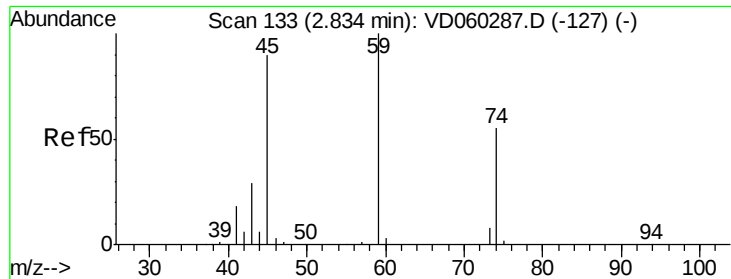
Tgt Ion: 85 Resp: 559

Ion Ratio Lower Upper

85 100

87 0.0 16.8 50.4#





#8

Diethyl Ether

Concen: 2.411 ug/l

RT: 2.80 min Scan# 130

Delta R.T. -0.03 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

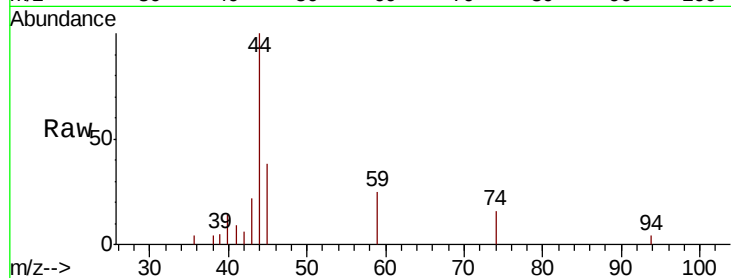
32727-45914-21716

Tot Ion: 74 Resp: 2817

Ion Ratio Lower Upper

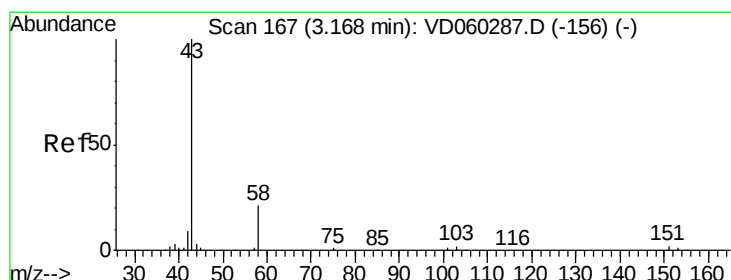
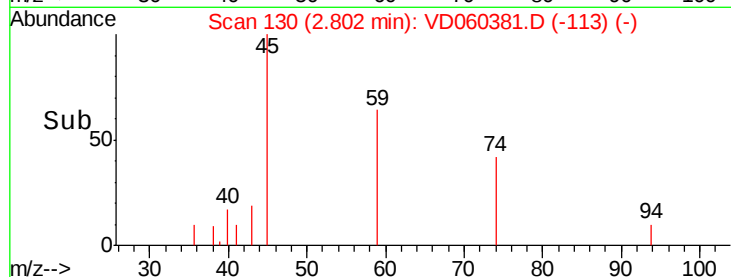
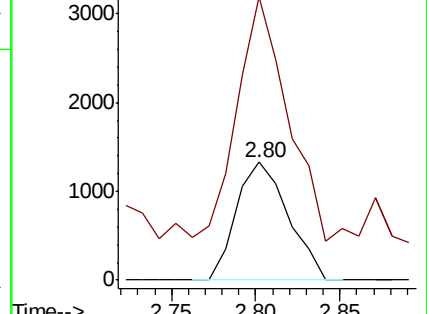
74 100

45 240.1 84.8 254.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 99.519 ug/l

RT: 3.14 min Scan# 164

Delta R.T. -0.03 min

Lab File: VD060381.D

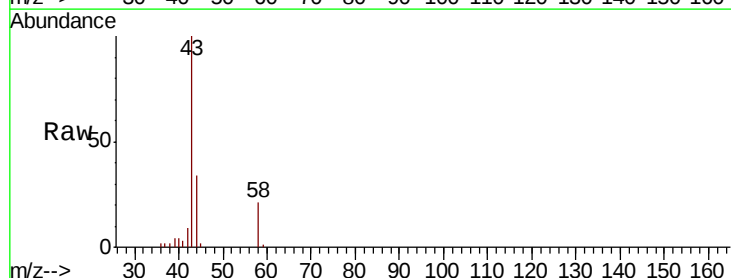
Acq: 14 Nov 2018 16:13

Tgt Ion: 43 Resp: 87469

Ion Ratio Lower Upper

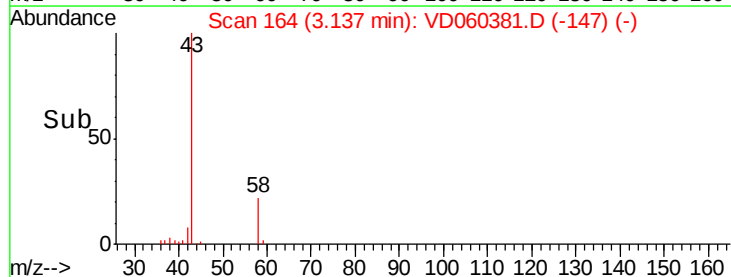
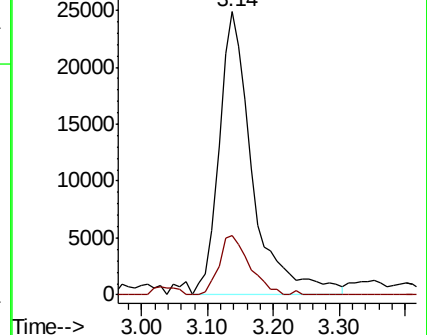
43 100

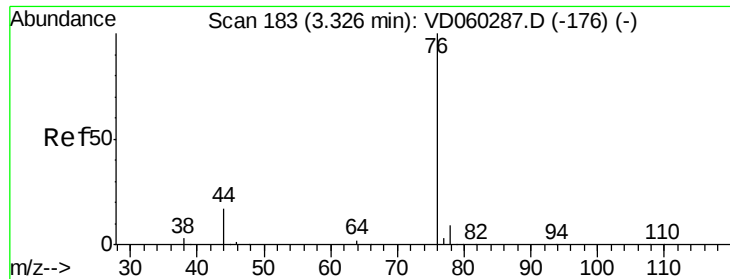
58 21.0 16.9 25.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 3.086 ug/l

RT: 3.29 min Scan# 180

Delta R.T. -0.03 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

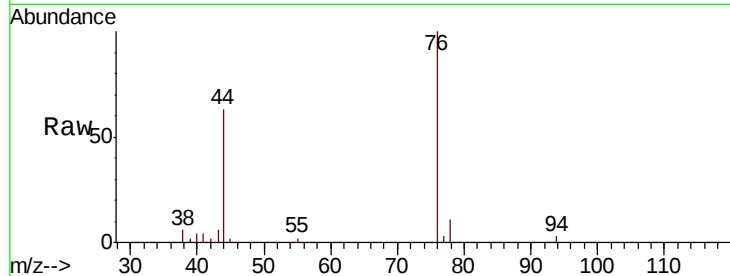
32727-45914-21716

Tot Ion: 76 Resp: 34391

Ion Ratio Lower Upper

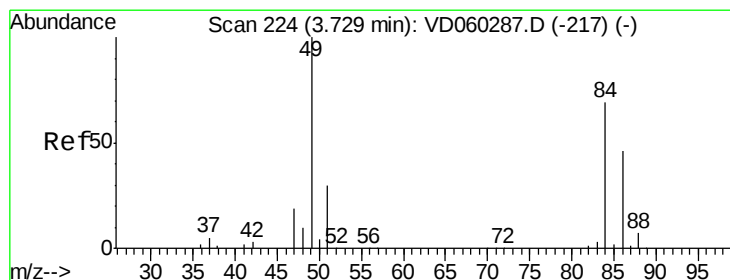
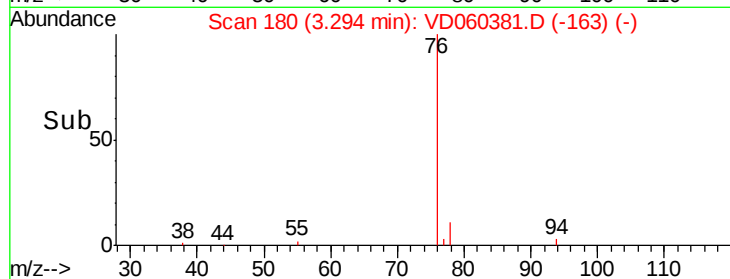
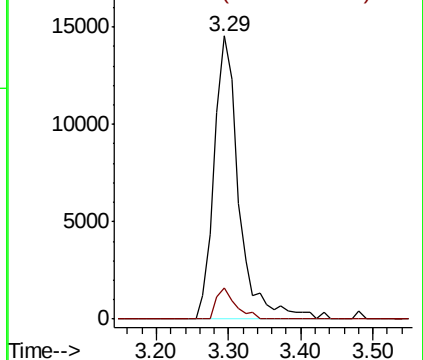
76 100

78 11.0 7.0 10.4#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#20

Methylene Chloride

Concen: 13.283 ug/l

RT: 3.70 min Scan# 221

Delta R.T. -0.03 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Tgt Ion: 84 Resp: 103561

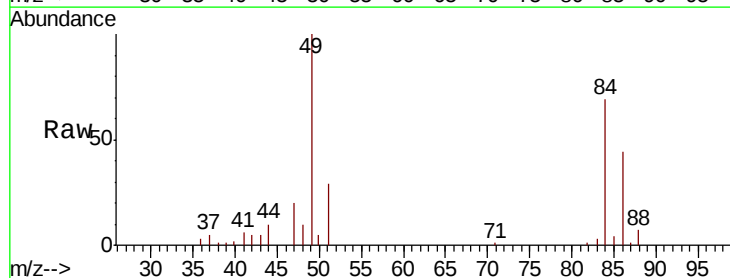
Ion Ratio Lower Upper

84 100

49 144.8 115.6 173.4

51 41.6 35.6 53.4

86 64.0 52.3 78.5

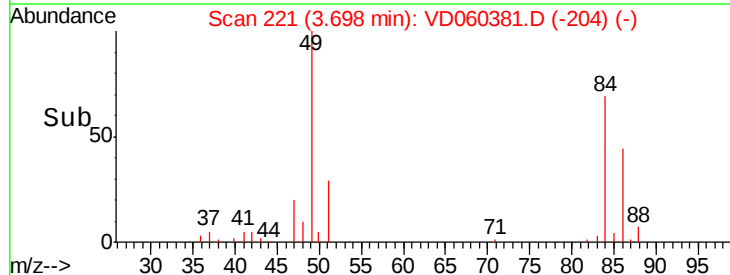
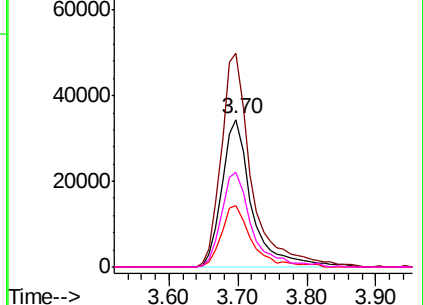


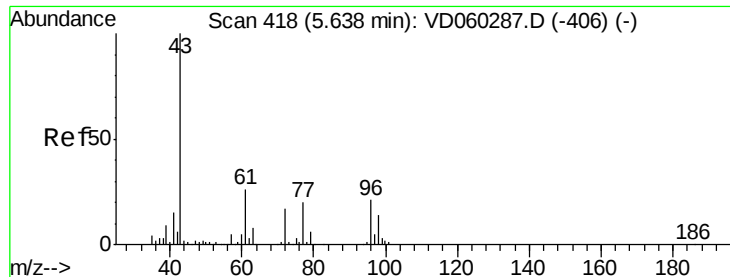
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 15.705 ug/l

RT: 5.59 min Scan# 413

Delta R.T. -0.05 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

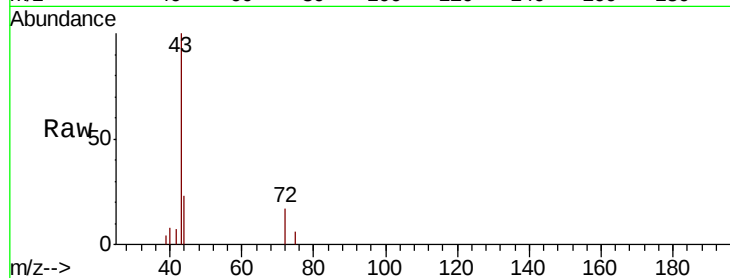
32727-45914-21716

Tot Ion: 43 Resp: 28691

Ion Ratio Lower Upper

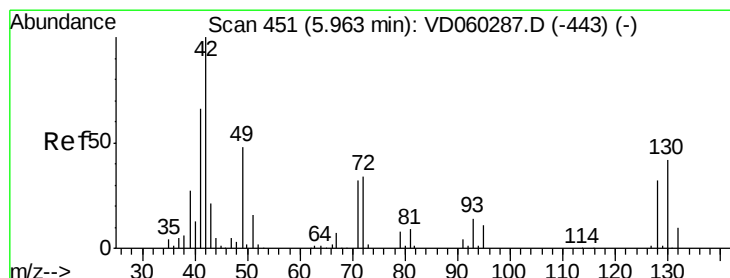
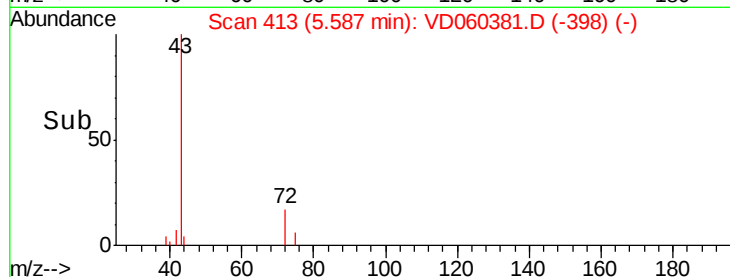
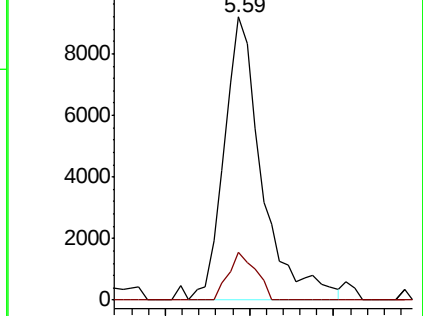
43 100

72 16.9 13.8 20.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 2.110 ug/l

RT: 5.93 min Scan# 448

Delta R.T. -0.03 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

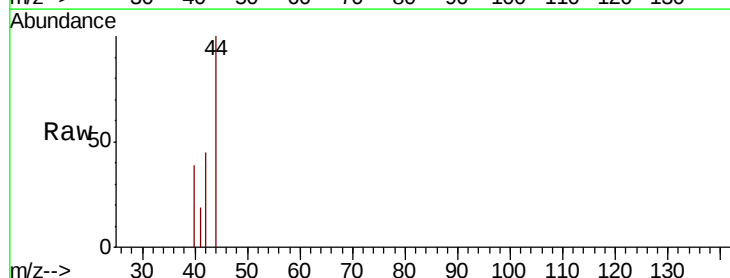
Tgt Ion: 42 Resp: 2032

Ion Ratio Lower Upper

42 100

72 0.0 27.6 41.4#

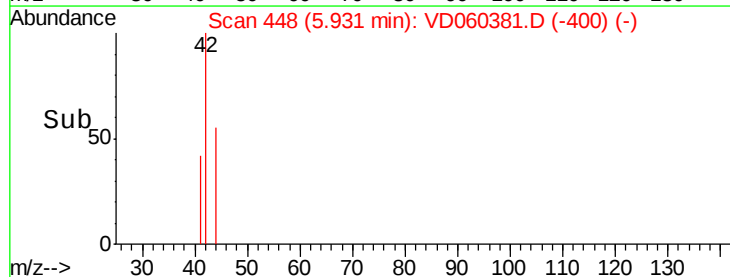
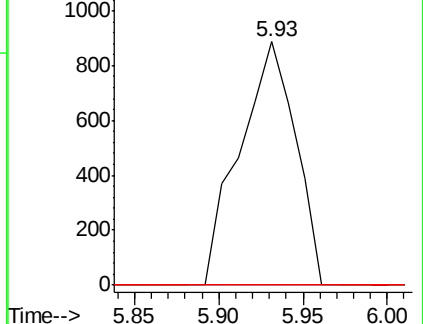
71 0.0 26.5 39.7#

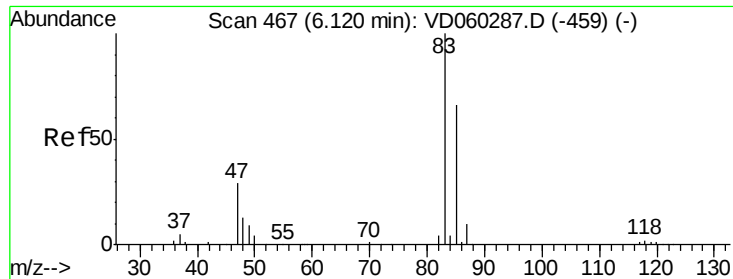


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

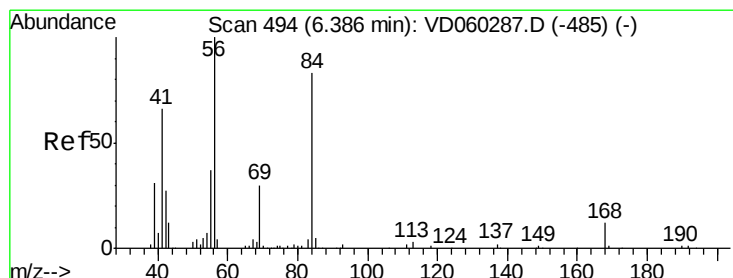
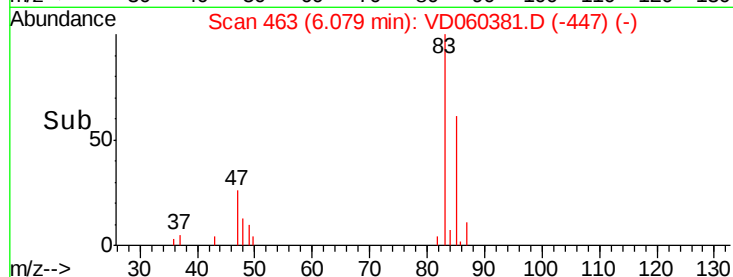
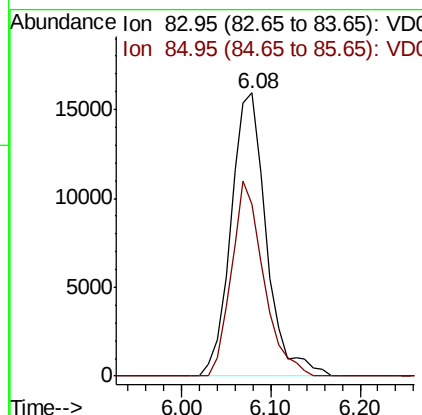
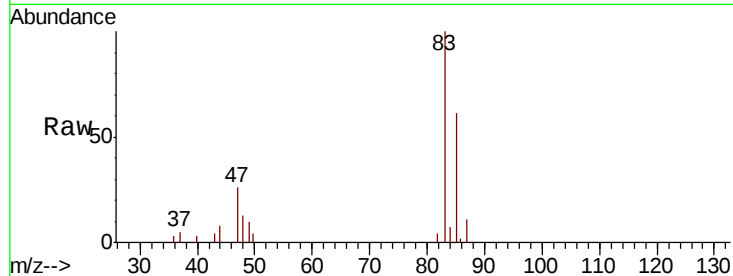




#30
Chloroform
Concen: 3.482 ug/l
RT: 6.08 min Scan# 463
Delta R.T. -0.04 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

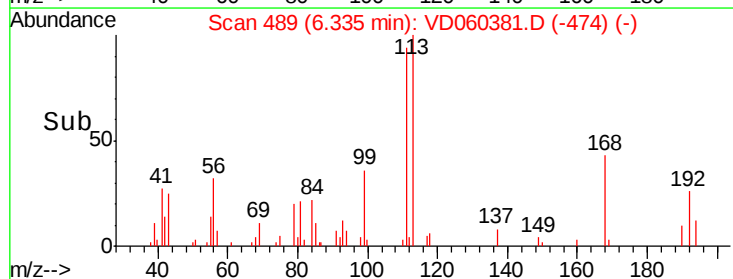
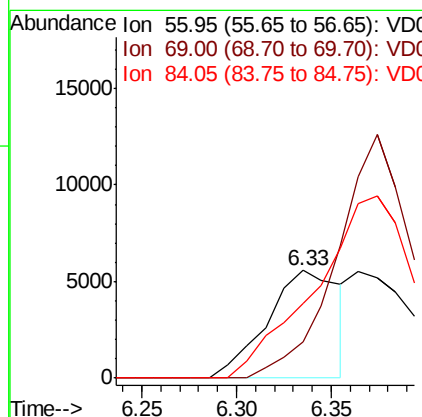
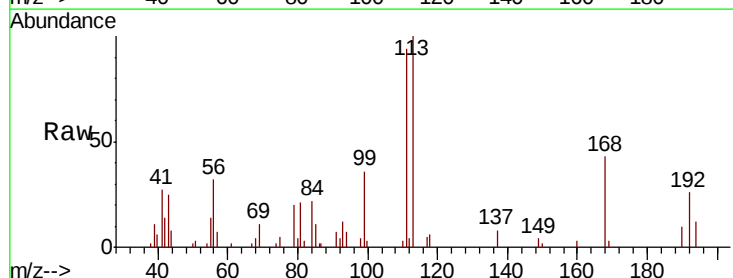
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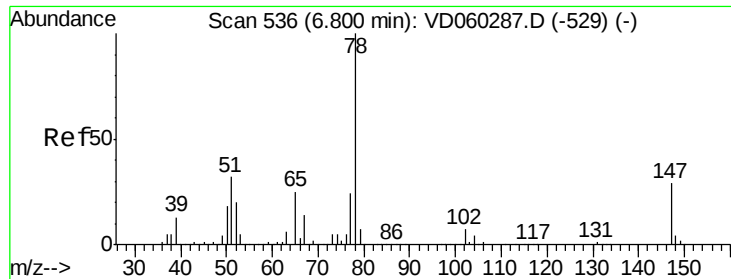
Tot Ion: 83 Resp: 44056
Ion Ratio Lower Upper
83 100
85 60.6 52.5 78.7



#31
Cyclohexane
Concen: 1.229 ug/l
RT: 6.33 min Scan# 489
Delta R.T. -0.05 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 56 Resp: 14865
Ion Ratio Lower Upper
56 100
69 33.2 22.2 33.2
84 69.8 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.04 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

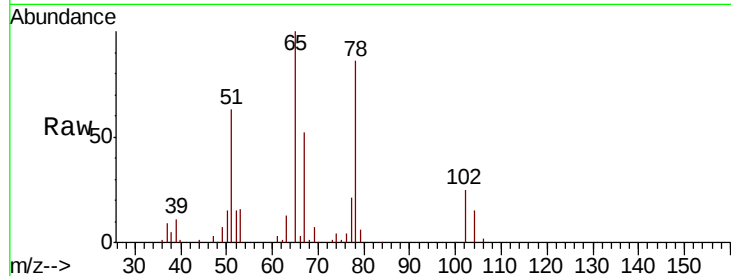
32727-45914-21716

Tot Ion: 65 Resp: 334644

Ion Ratio Lower Upper

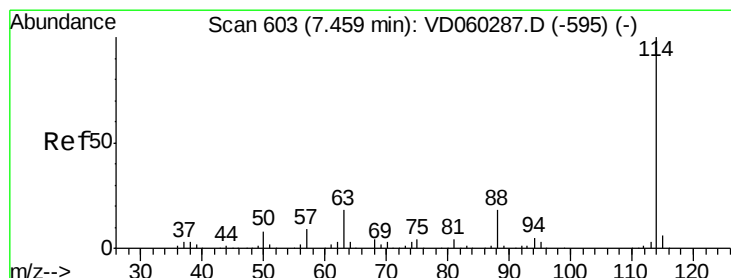
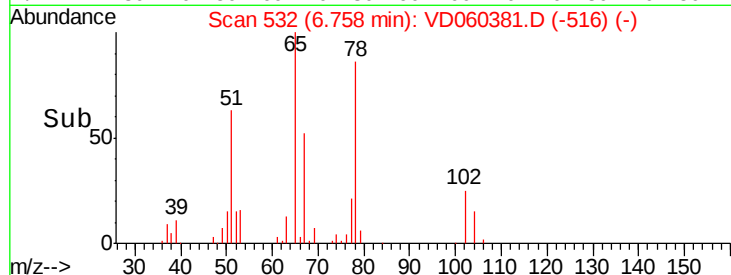
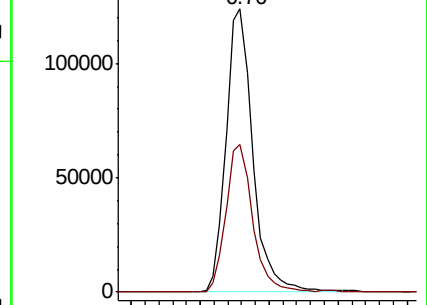
65 100

67 52.1 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.04 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

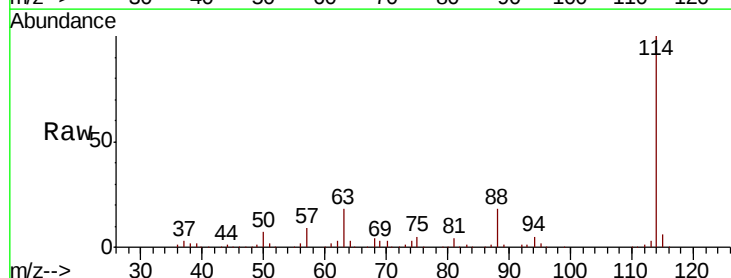
Tgt Ion:114 Resp: 1105016

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

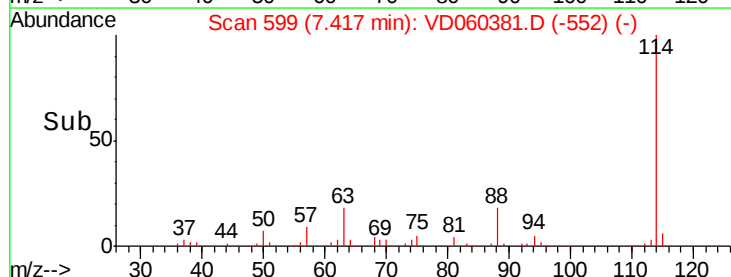
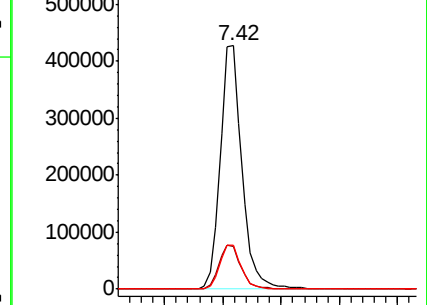
88 17.9 0.0 35.4

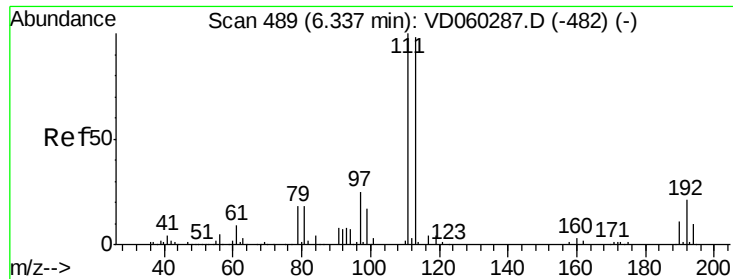


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

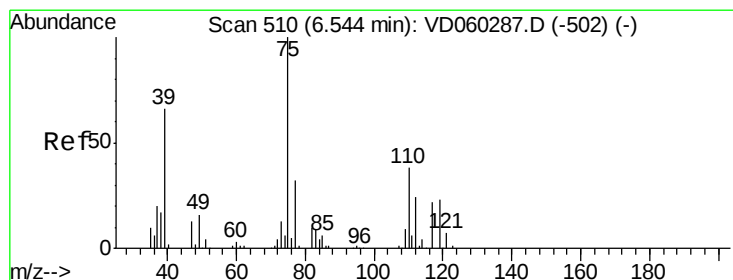
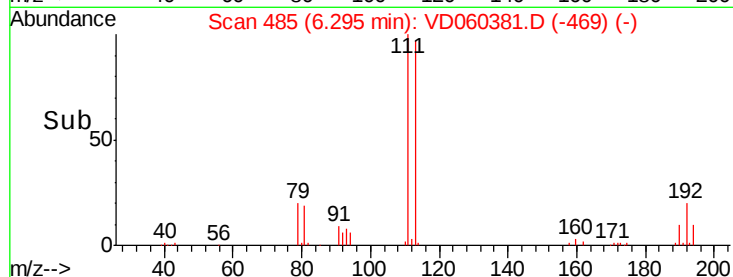
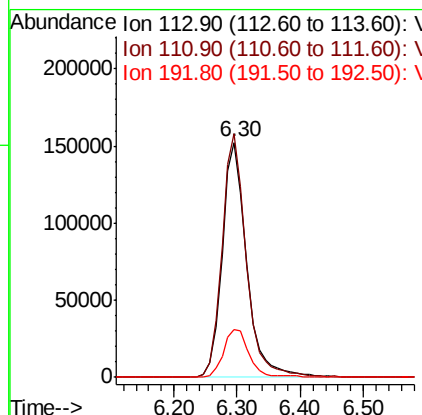
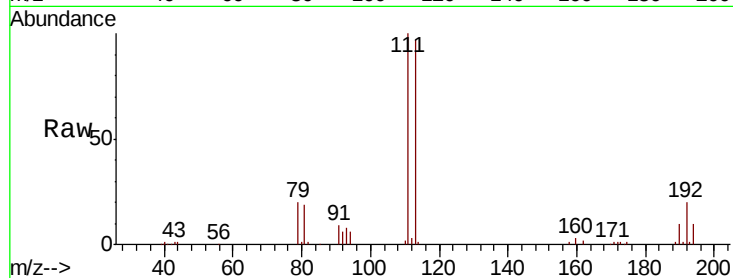




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 485
 Delta R.T. -0.04 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

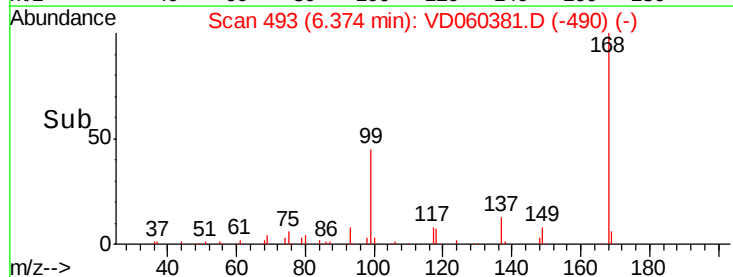
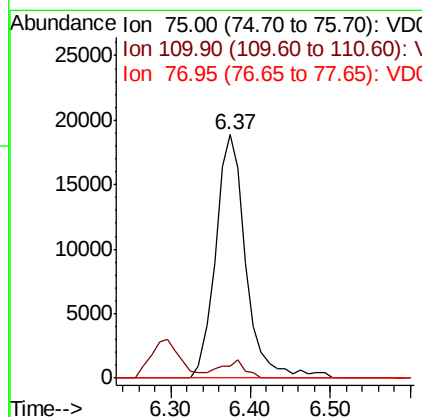
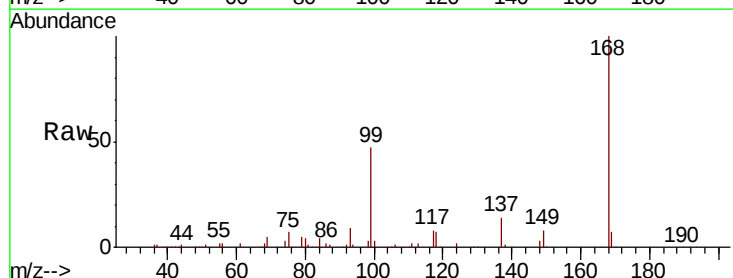
Instrument :
 MSVOA_D
 ClientSampleId :
 32727-45914-21716

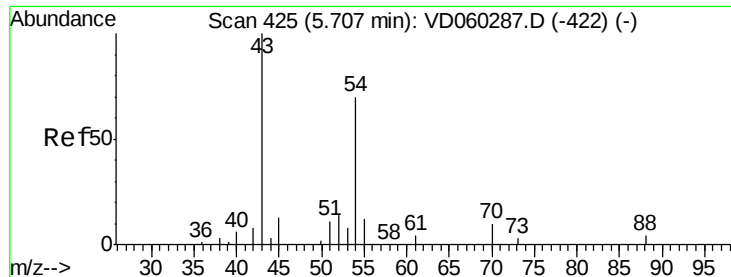
Tot Ion:113 Resp: 410723
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.6 122.4
 192 20.6 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 4.605 ug/l
 RT: 6.37 min Scan# 493
 Delta R.T. -0.17 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

Tgt Ion: 75 Resp: 50274
 Ion Ratio Lower Upper
 75 100
 110 4.8 18.0 54.0#
 77 0.0 25.6 38.4#

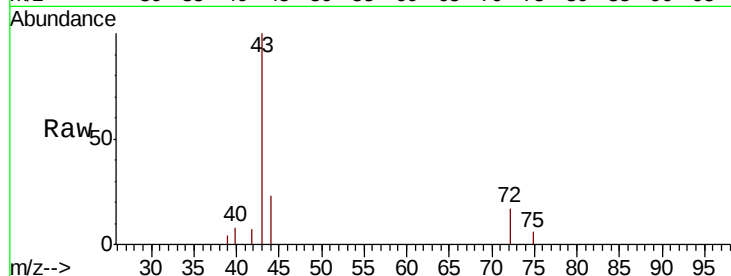




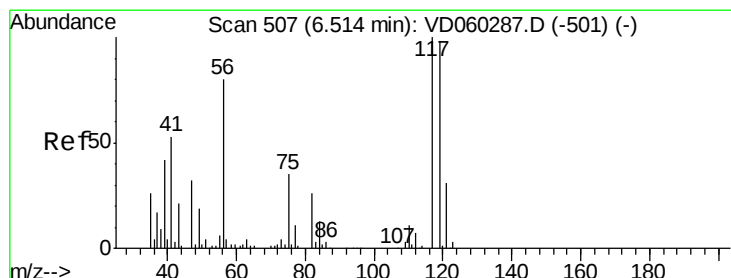
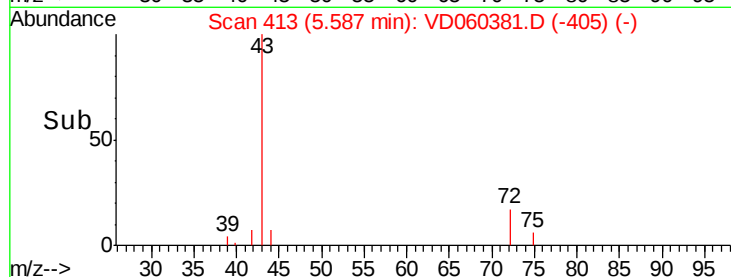
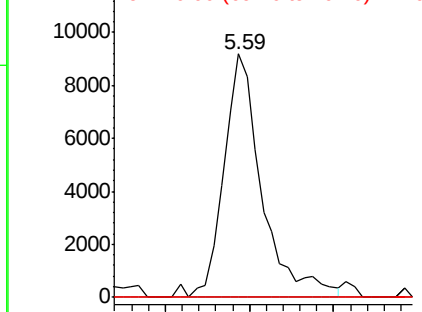
#37
Ethyl Acetate
Concen: 5.711 ug/l
RT: 5.59 min Scan# 413
Delta R.T. -0.12 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tot Ion: 43 Resp: 28691
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 6.2 9.4#

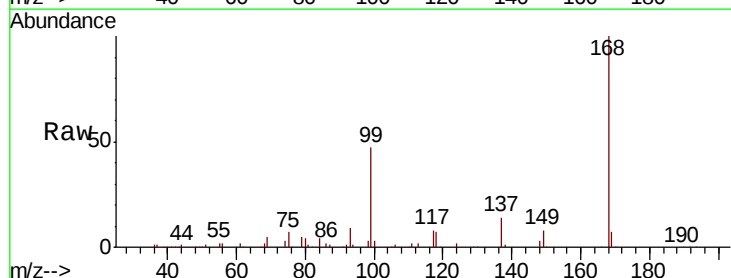


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

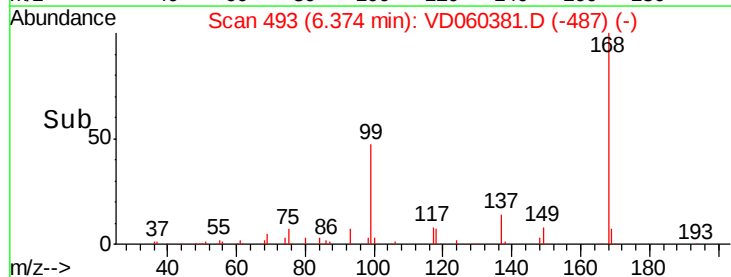
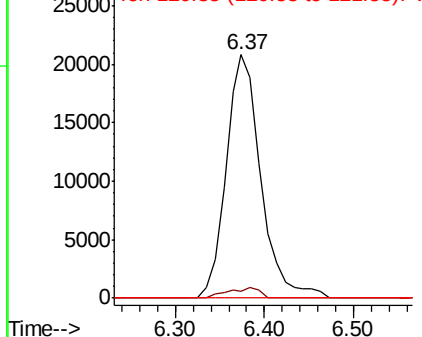


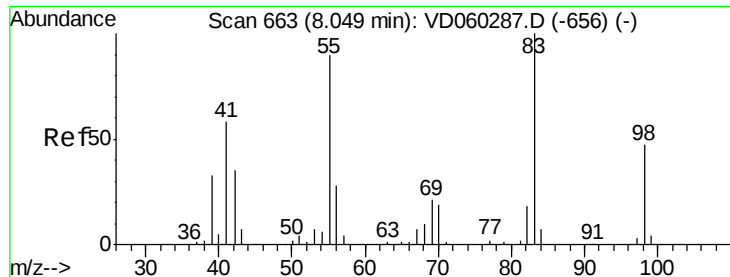
#38
Carbon Tetrachloride
Concen: 5.573 ug/l
RT: 6.37 min Scan# 493
Delta R.T. -0.14 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 117 Resp: 56433
Ion Ratio Lower Upper
117 100
119 2.9 76.6 115.0#
121 0.0 24.3 36.5#



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

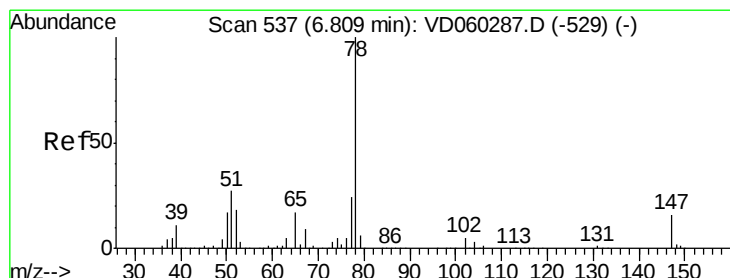
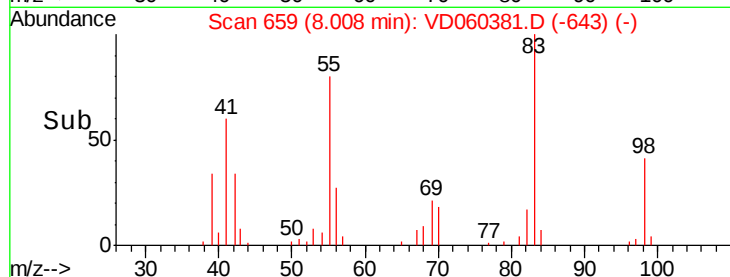
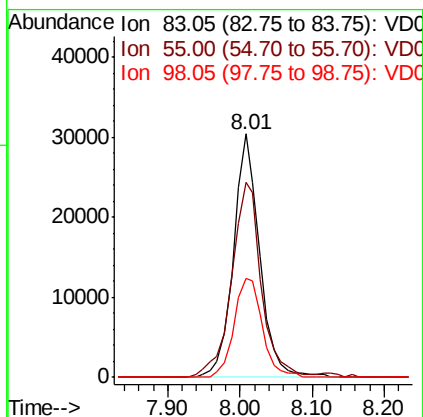
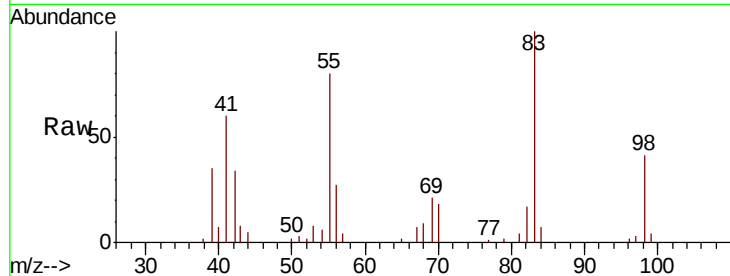




#39
Methvlcvclohexane
Concen: 6.125 ug/l
RT: 8.01 min Scan# 659
Delta R.T. -0.04 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

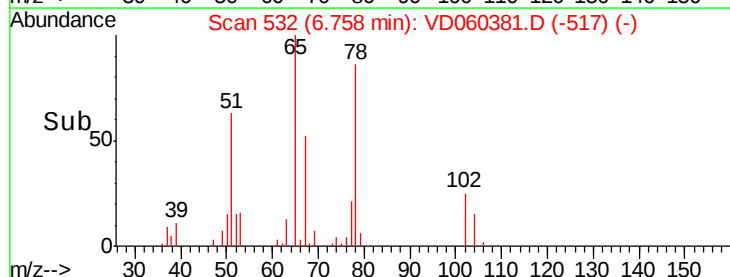
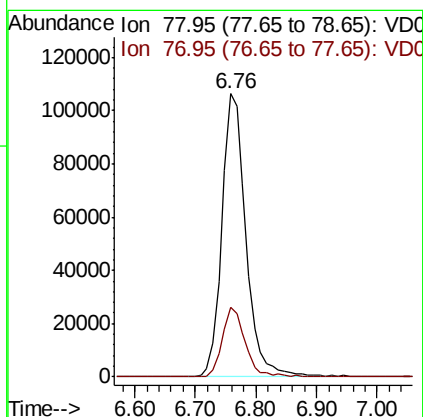
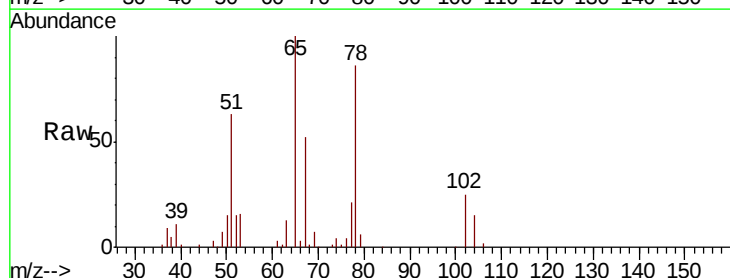
Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

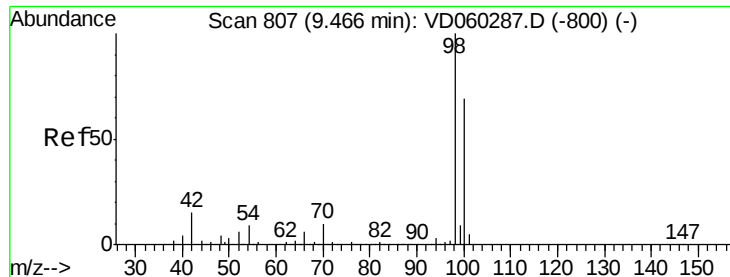
Tot Ion: 83 Resp: 76911
Ion Ratio Lower Upper
83 100
55 79.9 71.2 106.8
98 40.6 38.4 57.6



#40
Benzene
Concen: 10.527 ug/l
RT: 6.76 min Scan# 532
Delta R.T. -0.05 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 78 Resp: 293365
Ion Ratio Lower Upper
78 100
77 24.7 18.8 28.2





#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.42 min Scan# 803

Delta R.T. -0.04 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

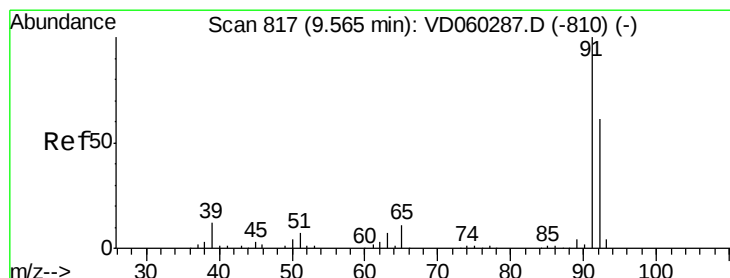
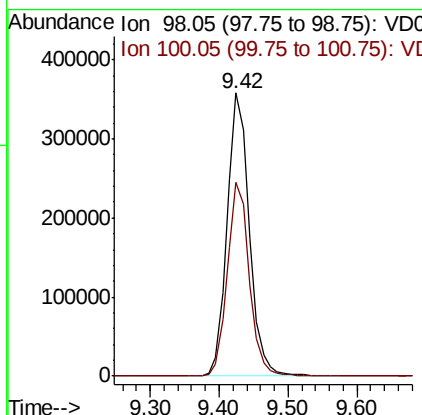
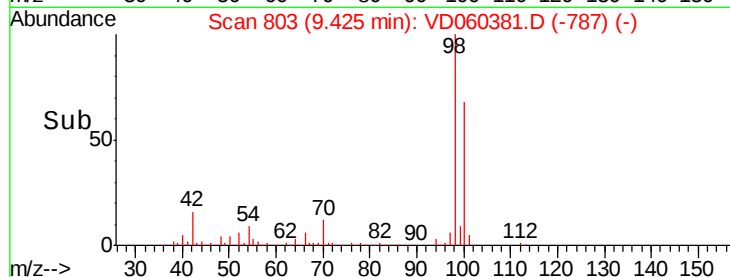
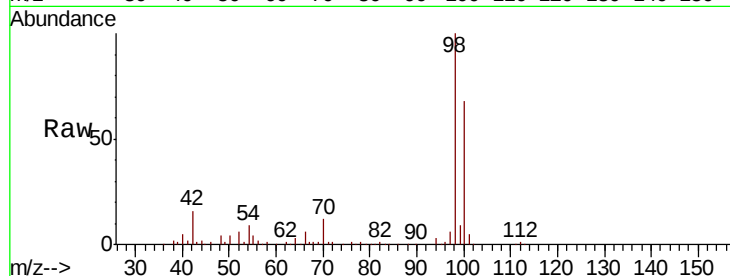
32727-45914-21716

Tot Ion: 98 Resp: 796879

Ion Ratio Lower Upper

98 100

100 68.2 55.2 82.8



#52

Toluene

Concen: 14.440 ug/l

RT: 9.52 min Scan# 813

Delta R.T. -0.04 min

Lab File: VD060381.D

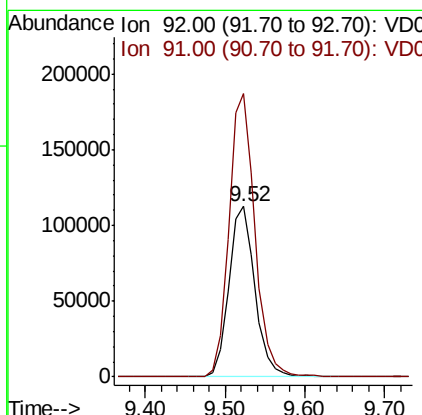
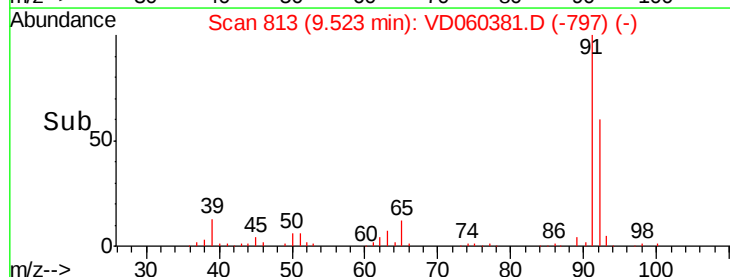
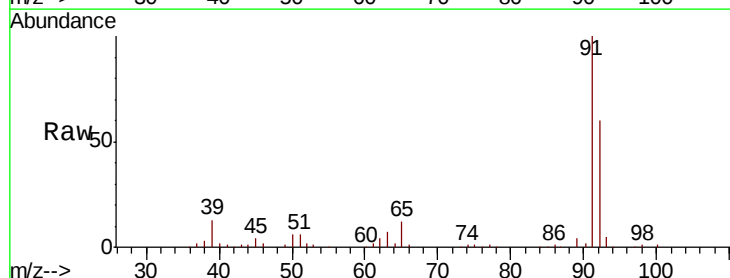
Acq: 14 Nov 2018 16:13

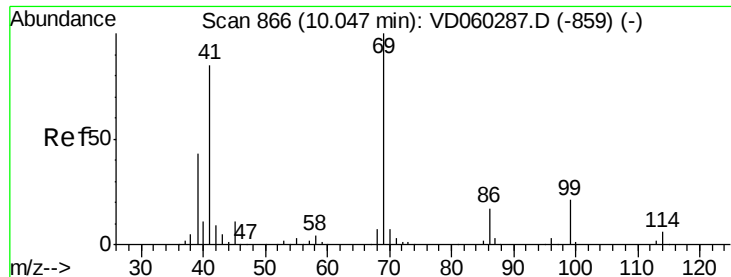
Tgt Ion: 92 Resp: 257047

Ion Ratio Lower Upper

92 100

91 165.9 131.9 197.9

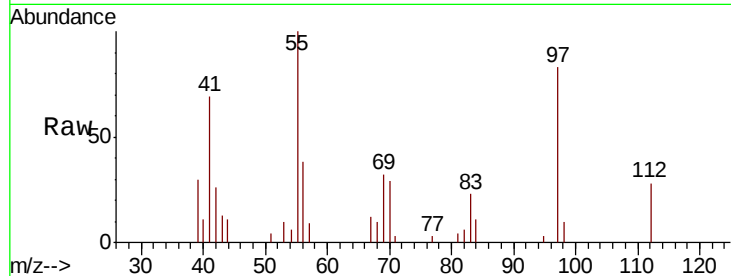




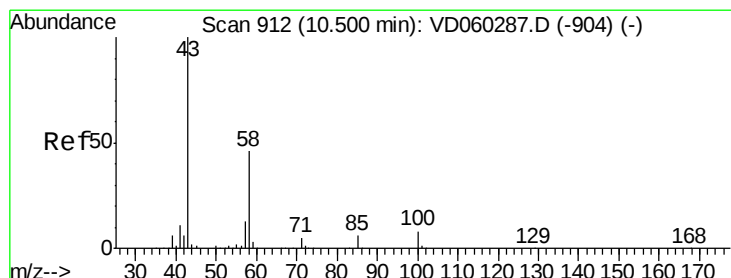
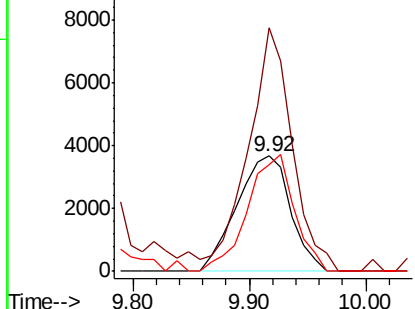
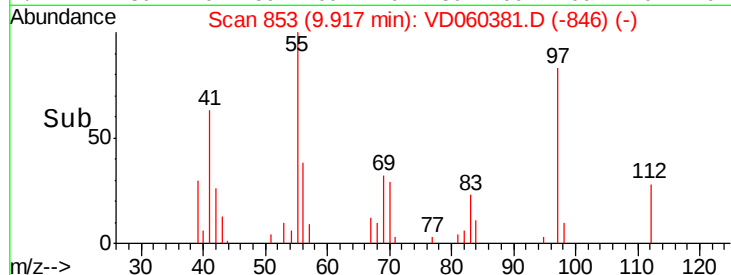
#56
Ethyl methacrylate
Concen: 2.461 ug/l
RT: 9.92 min Scan# 853
Delta R.T. -0.13 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tot Ion: 69 Resp: 11673
Ion Ratio Lower Upper
69 100
41 211.6 69.0 103.4#
39 93.1 36.6 54.8#

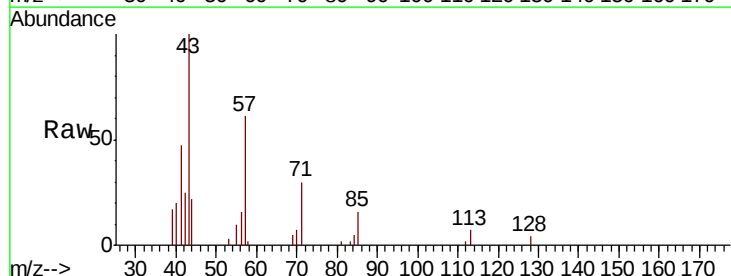


Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC

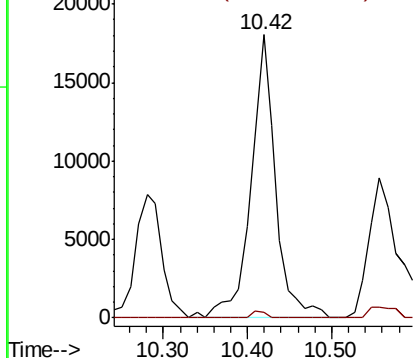
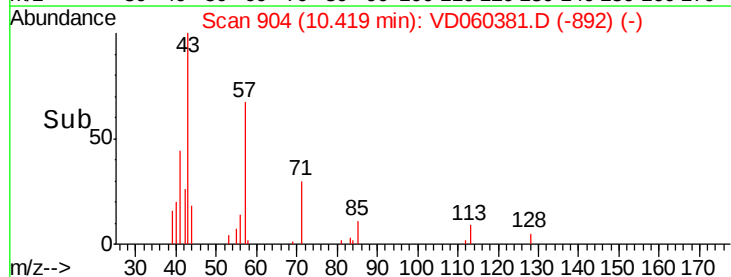


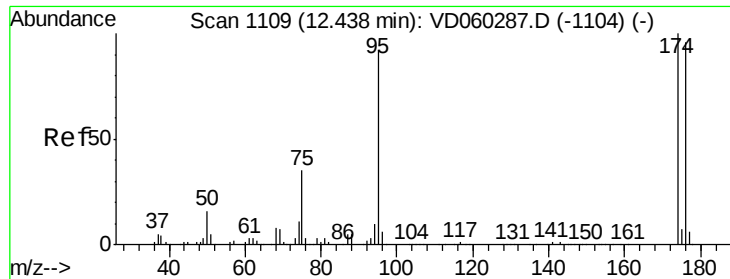
#59
2-Hexanone
Concen: 12.577 ug/l
RT: 10.42 min Scan# 904
Delta R.T. -0.08 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 43 Resp: 36818
Ion Ratio Lower Upper
43 100
58 2.0 22.9 68.5#



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

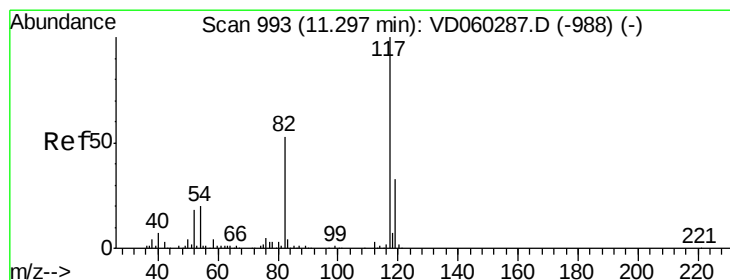
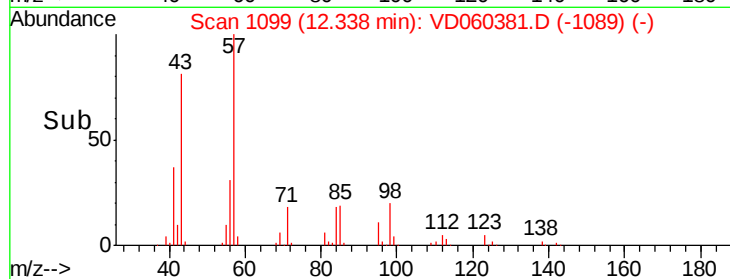
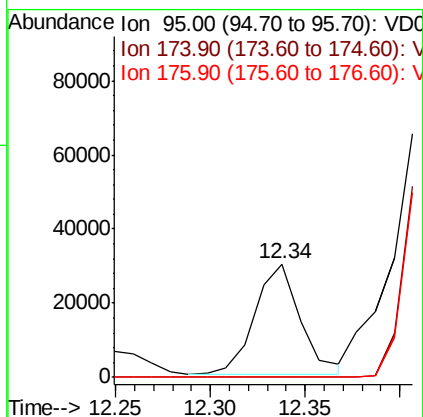
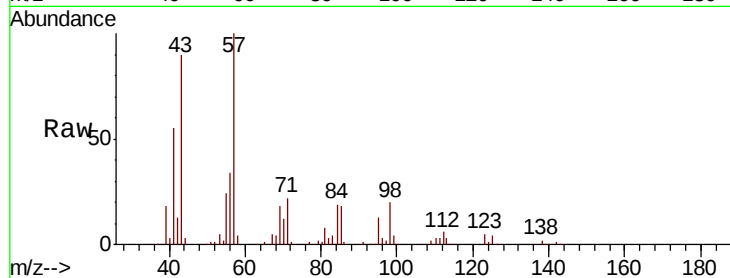




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.34 min Scan# 1099
Delta R.T. -0.10 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

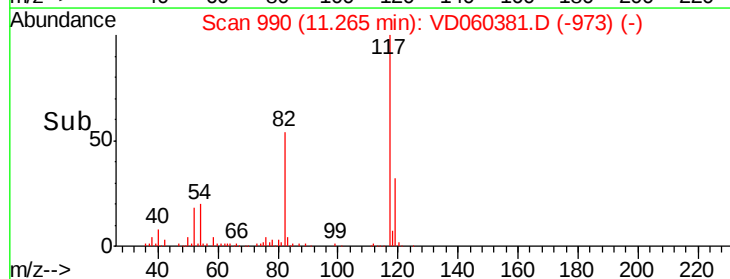
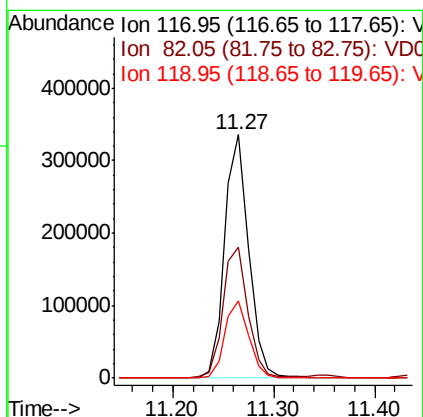
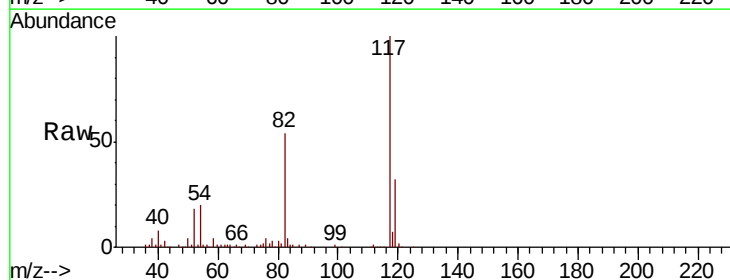
Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

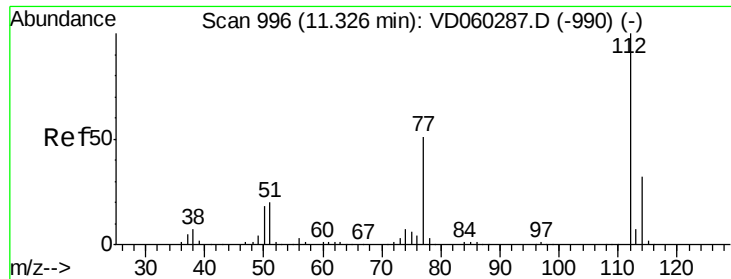
Tot Ion: 95 Resp: 49310
Ion Ratio Lower Upper
95 100
174 0.0 0.0 160.8
176 0.0 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 990
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 117 Resp: 558218
Ion Ratio Lower Upper
117 100
82 54.0 43.7 65.5
119 32.0 26.1 39.1

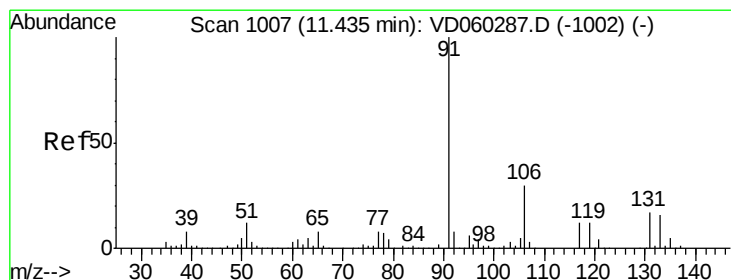
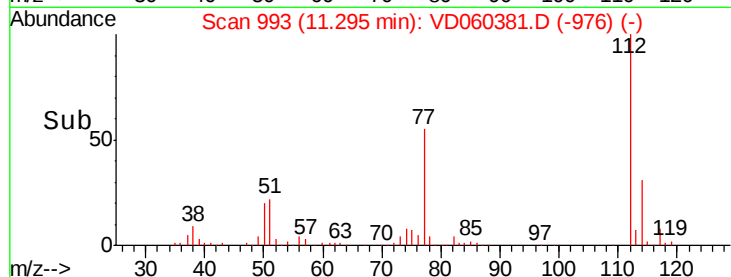
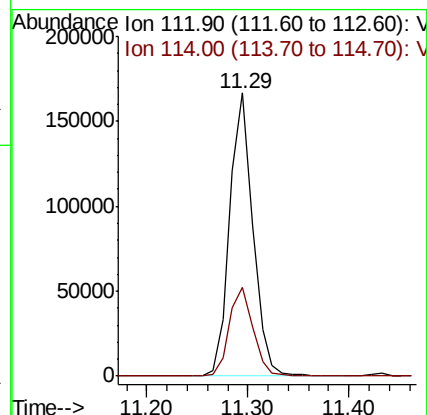
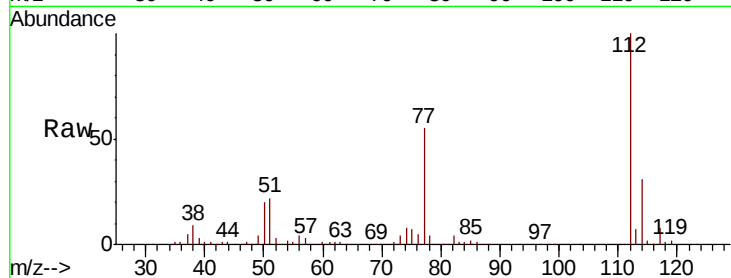




#65
Chlorobenzene
Concen: 22.059 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

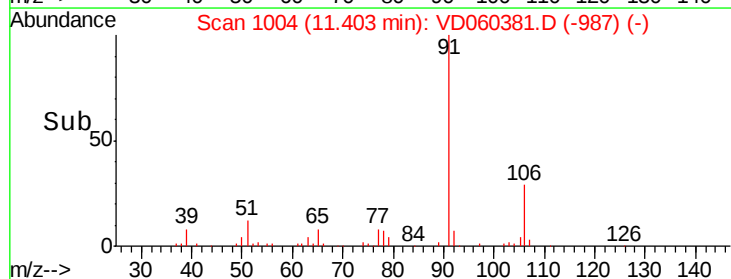
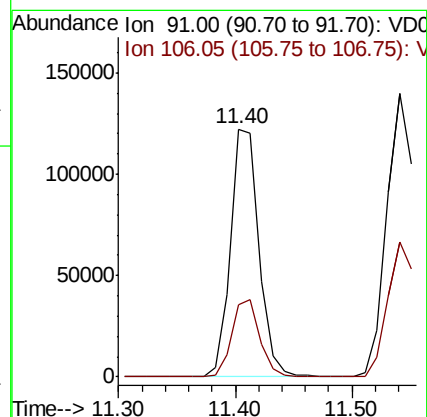
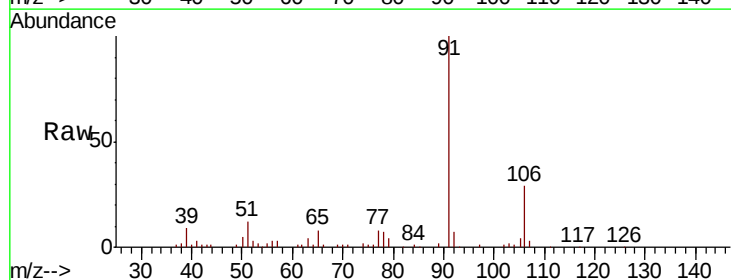
Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

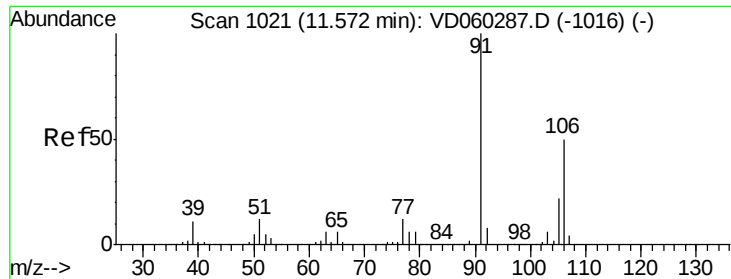
Tot Ion:112 Resp: 266800
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.8



#67
Ethyl Benzene
Concen: 10.034 ug/l
RT: 11.40 min Scan# 1004
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 91 Resp: 207605
Ion Ratio Lower Upper
91 100
106 29.3 24.6 36.8

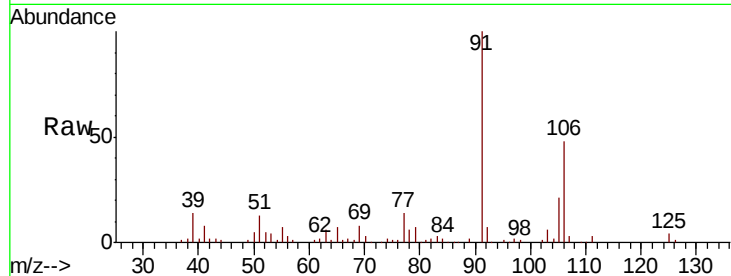




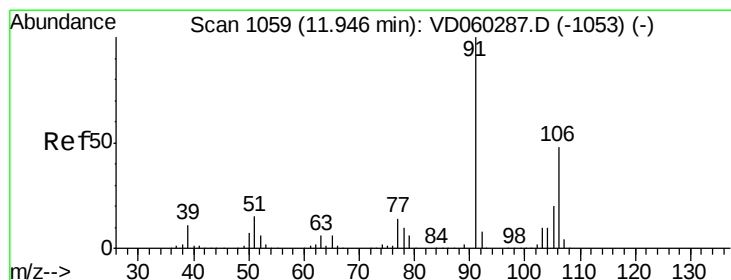
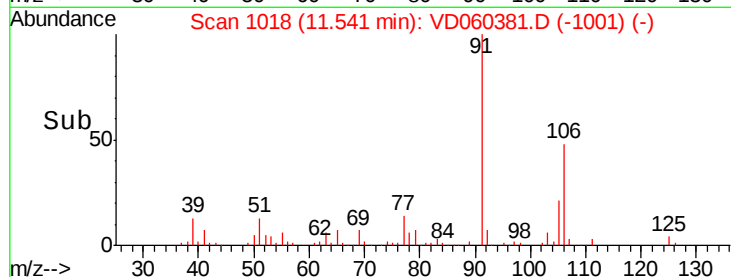
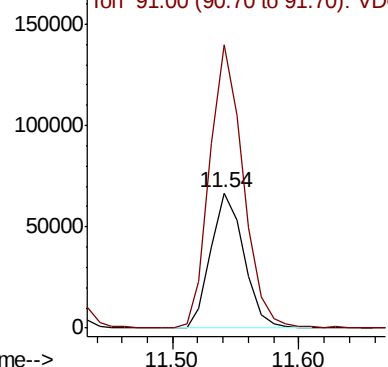
#68
m/p-Xylenes
Concen: 15.877 ug/l
RT: 11.54 min Scan# 1018
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tot Ion:106 Resp: 121175
Ion Ratio Lower Upper
106 100
91 209.5 159.4 239.2

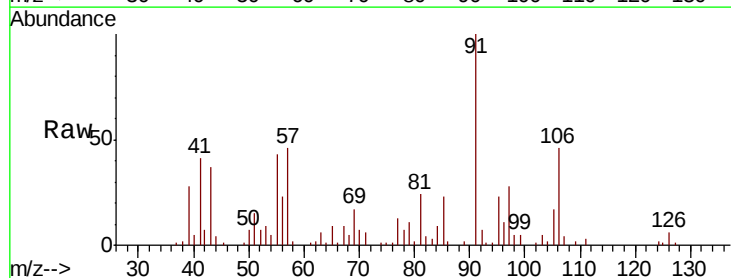


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

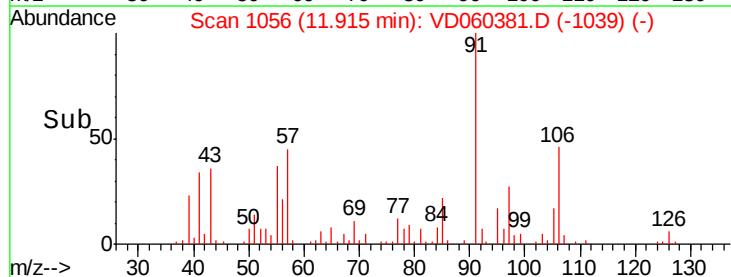
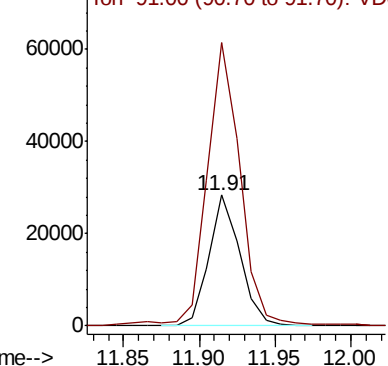


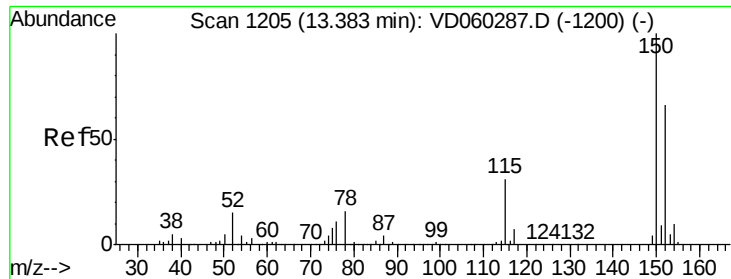
#69
o-Xylene
Concen: 5.500 ug/l
RT: 11.91 min Scan# 1056
Delta R.T. -0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion:106 Resp: 40556
Ion Ratio Lower Upper
106 100
91 216.6 109.2 327.6



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

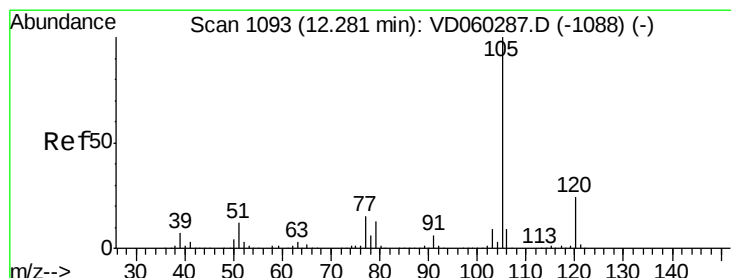
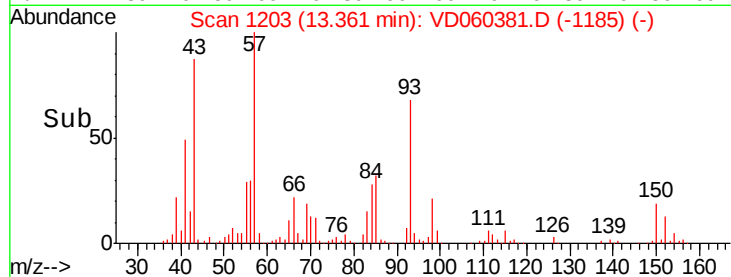
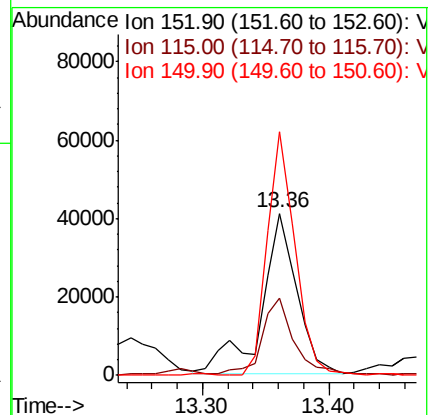
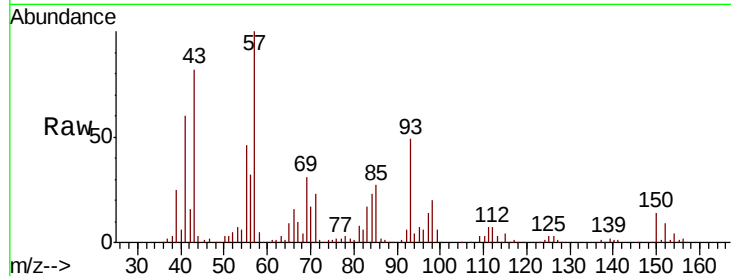
Tot Ion:152 Resp: 78878

Ion Ratio Lower Upper

152 100

115 47.3 24.1 72.3

150 150.1 0.0 310.6



#73

Isopropylbenzene

Concen: 7.872 ug/l

RT: 12.26 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VD060381.D

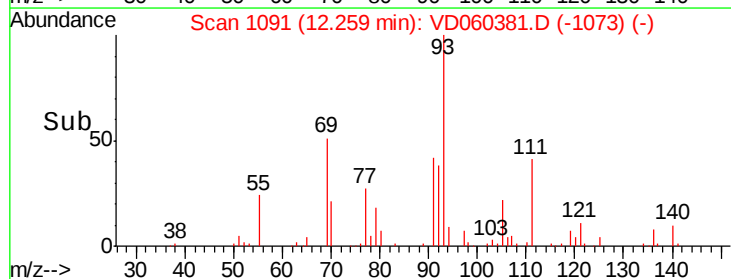
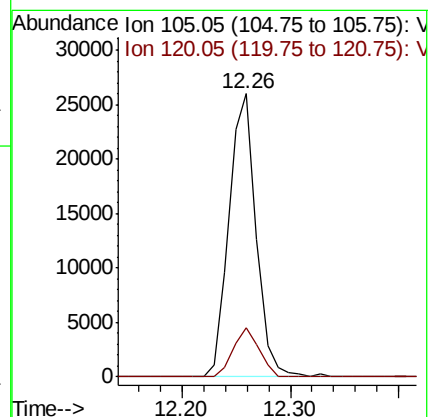
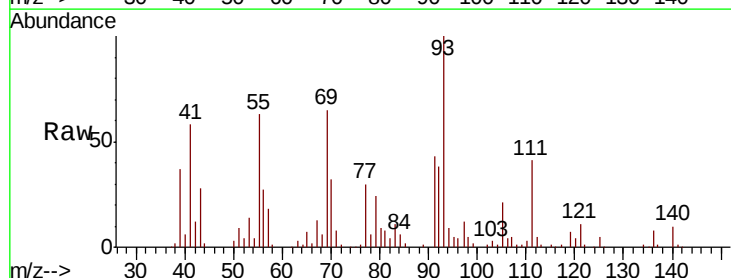
Acq: 14 Nov 2018 16:13

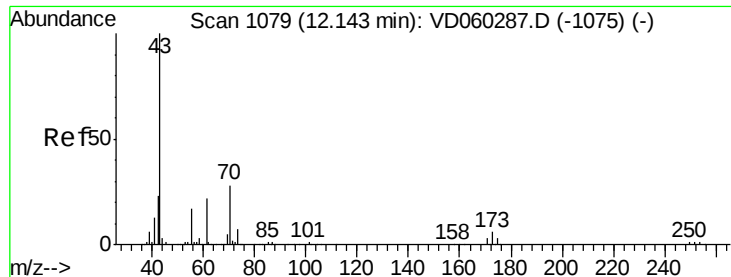
Tgt Ion:105 Resp: 45240

Ion Ratio Lower Upper

105 100

120 17.3 12.1 36.3





#74

N-amvl acetate

Concen: 398.752 ug/l

RT: 12.19 min Scan# 1084

Delta R.T. 0.05 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

Tot Ion: 43 Resp: 587508

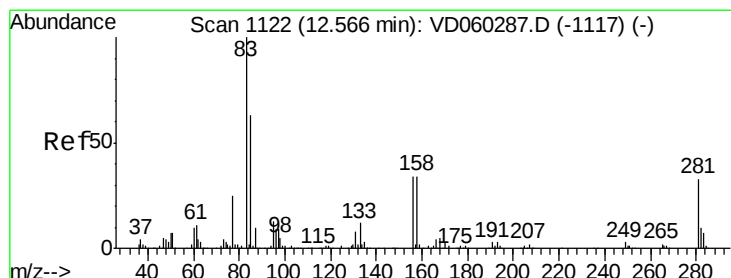
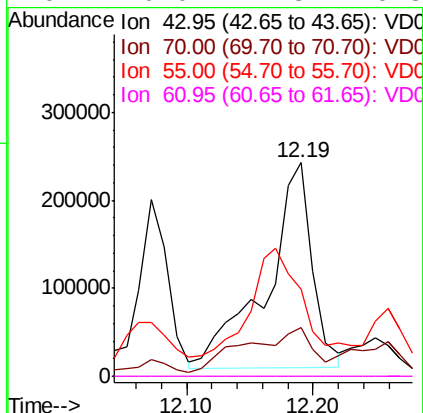
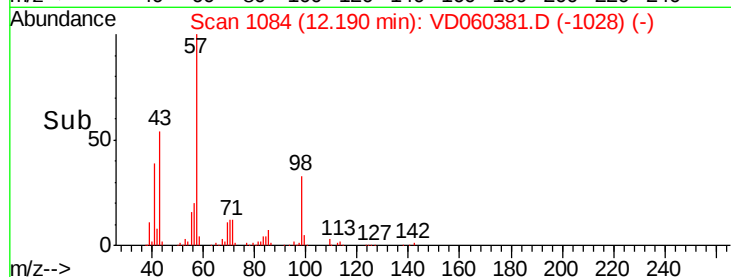
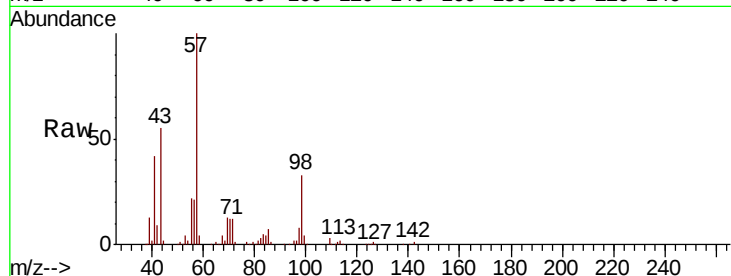
Ion Ratio Lower Upper

43 100

70 22.6 23.0 34.4#

55 41.0 14.2 21.4#

61 0.0 17.8 26.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 127.607 ug/l

RT: 12.56 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

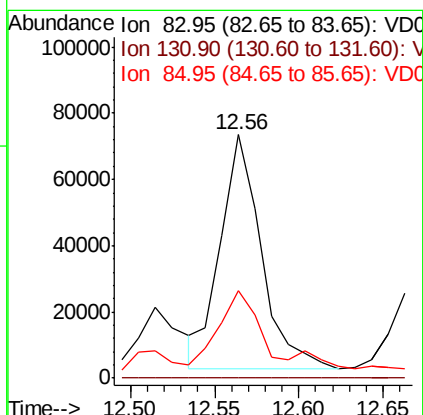
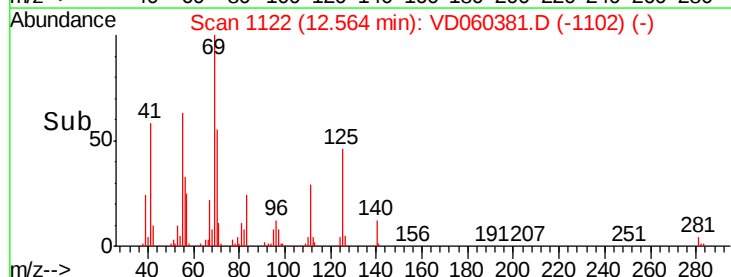
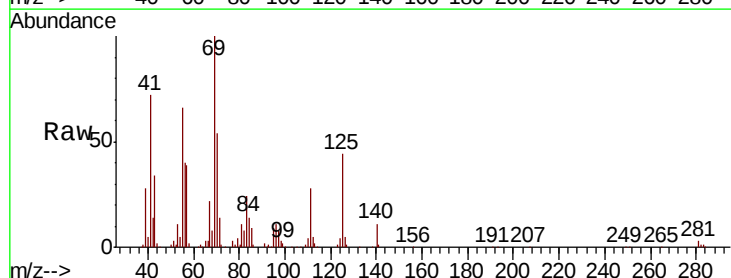
Tgt Ion: 83 Resp: 119933

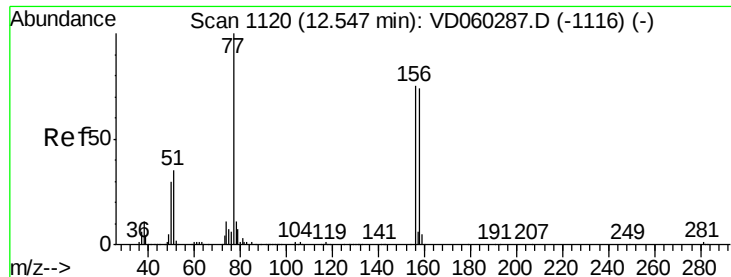
Ion Ratio Lower Upper

83 100

131 0.0 3.9 11.5#

85 35.9 32.0 96.0





#77

Bromobenzene

Concen: 2.706 ug/l

RT: 12.52 min Scan# 1118

Delta R.T. -0.02 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

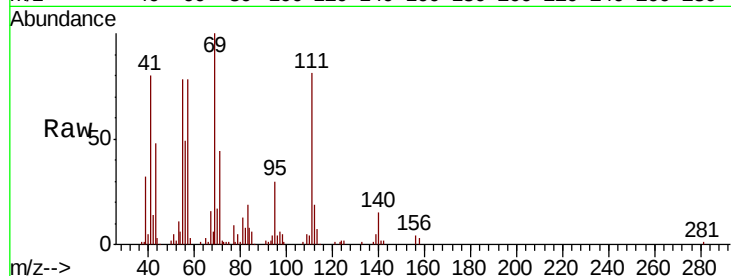
Tot Ion:156 Resp: 4131

Ion Ratio Lower Upper

156 100

77 208.7 61.2 183.6#

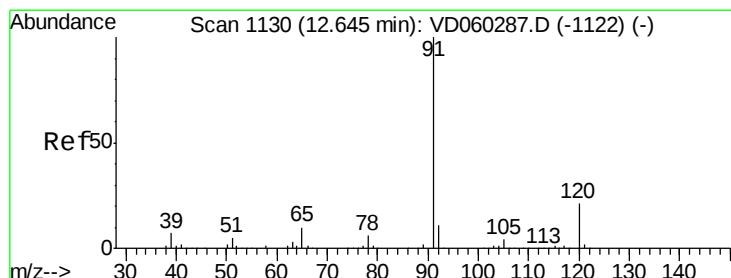
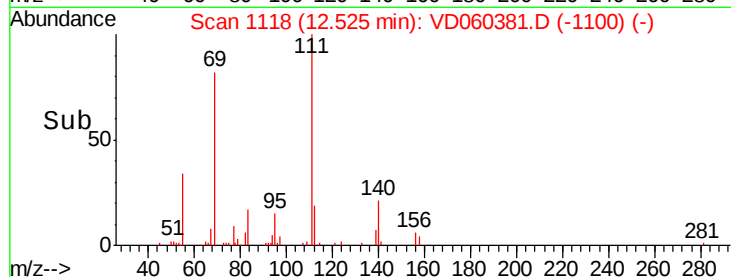
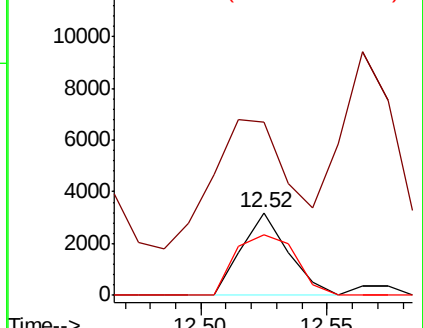
158 73.1 49.2 147.6



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 3.387 ug/l

RT: 12.62 min Scan# 1128

Delta R.T. -0.02 min

Lab File: VD060381.D

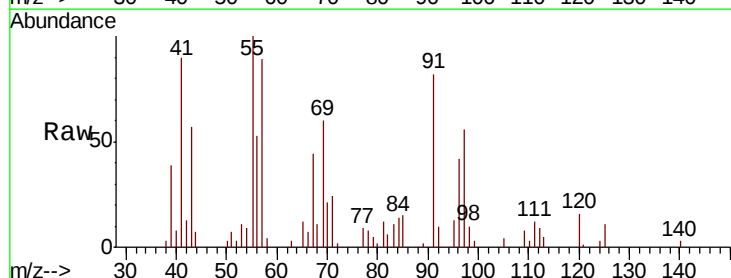
Acq: 14 Nov 2018 16:13

Tgt Ion: 91 Resp: 24295

Ion Ratio Lower Upper

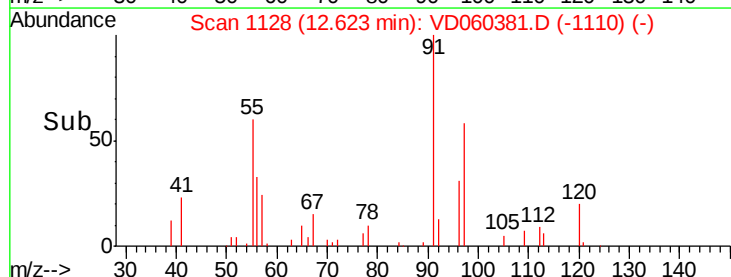
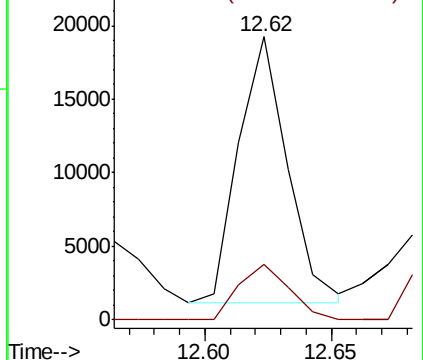
91 100

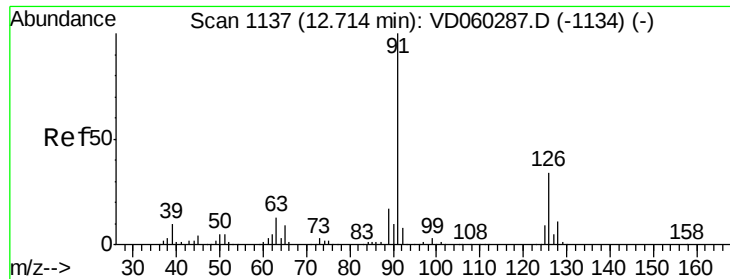
120 19.6 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

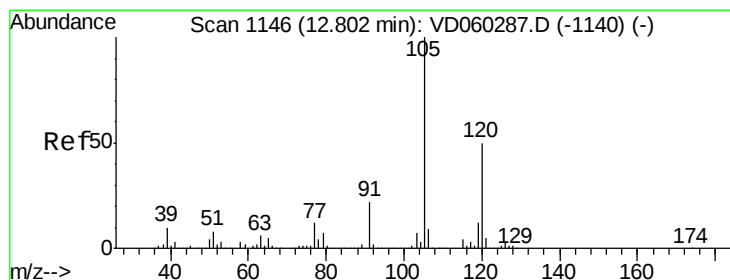
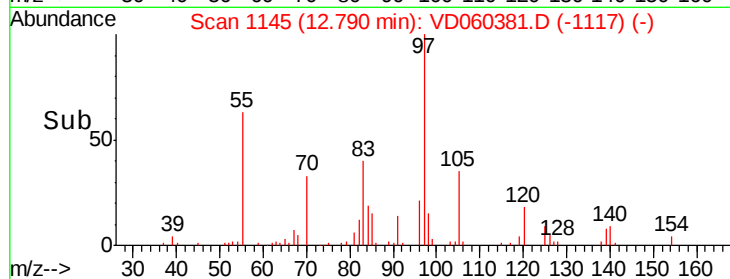
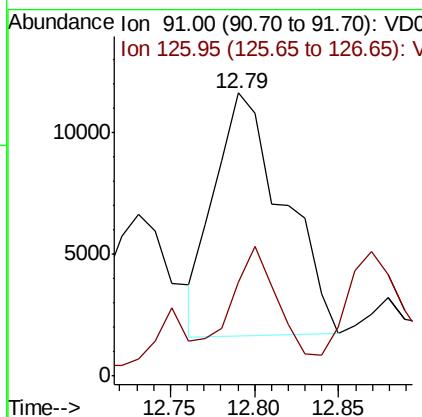
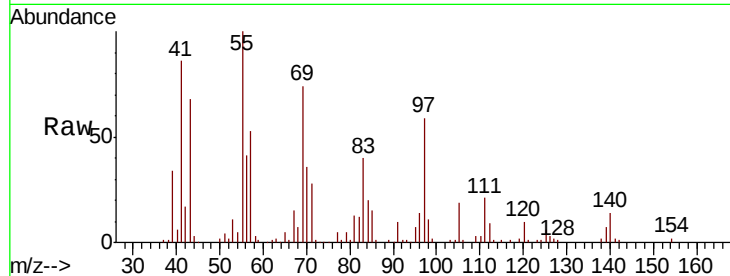




#79
 2-Chlorotoluene
 Concen: 7.237 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. 0.08 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

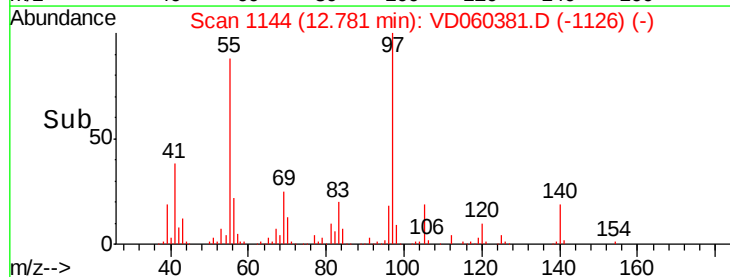
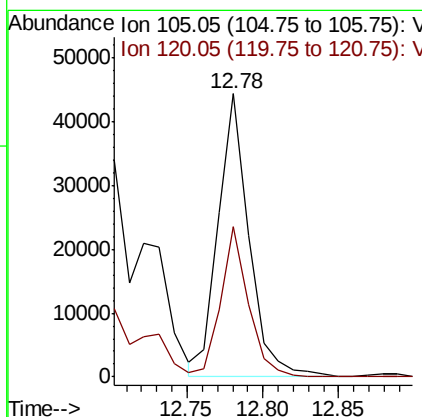
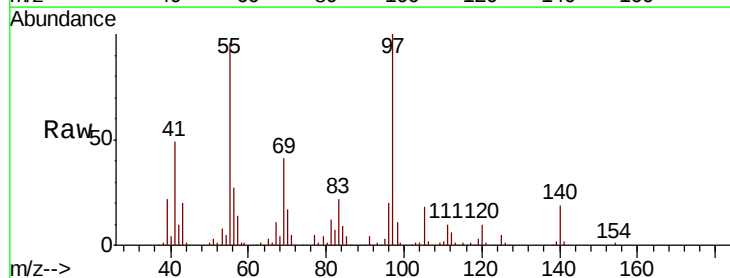
Instrument :
 MSVOA_D
 ClientSampleId :
 32727-45914-21716

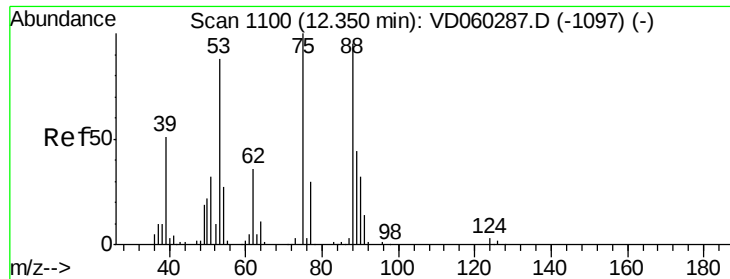
Tot Ion: 91 Resp: 28433
 Ion Ratio Lower Upper
 91 100
 126 33.2 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 14.139 ug/l
 RT: 12.78 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

Tgt Ion: 105 Resp: 63149
 Ion Ratio Lower Upper
 105 100
 120 53.1 24.4 73.4





#81

trans-1,4-Dichloro-2-butene

Concen: 153.579 ug/l

RT: 12.41 min Scan# 1106

Delta R.T. 0.06 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

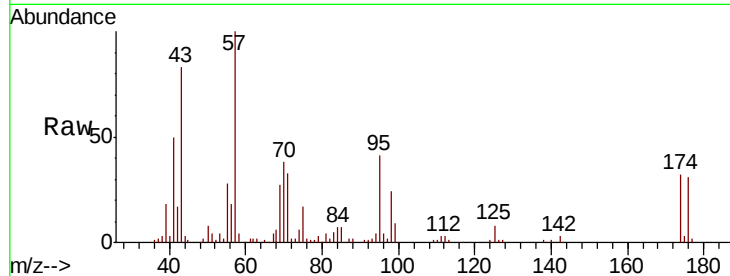
Tot Ion: 75 Resp: 41256

Ion Ratio Lower Upper

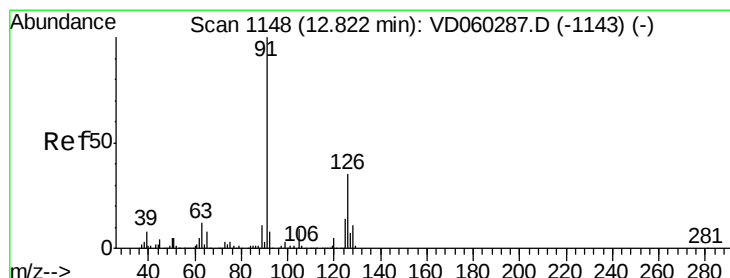
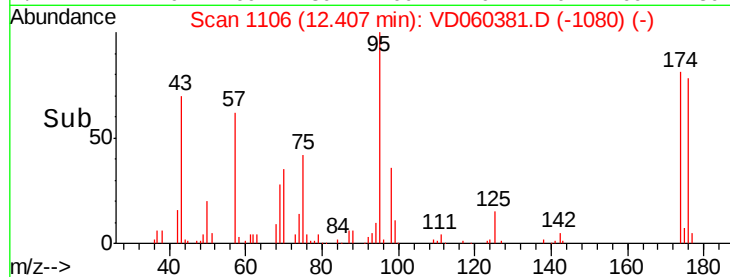
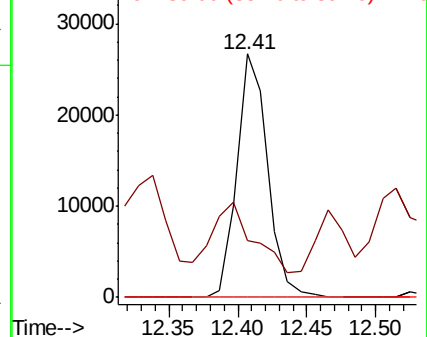
75 100

53 23.2 68.6 103.0#

89 0.0 34.1 51.1#



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



#82

4-Chlorotoluene

Concen: 6.344 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.03 min

Lab File: VD060381.D

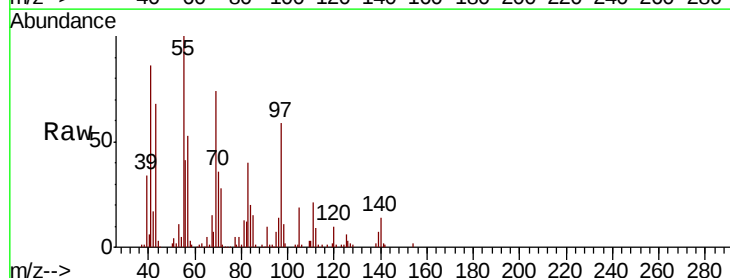
Acq: 14 Nov 2018 16:13

Tgt Ion: 91 Resp: 27999

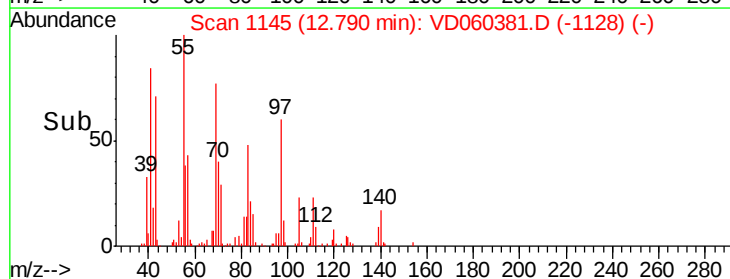
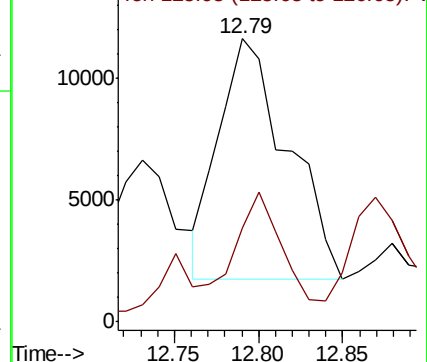
Ion Ratio Lower Upper

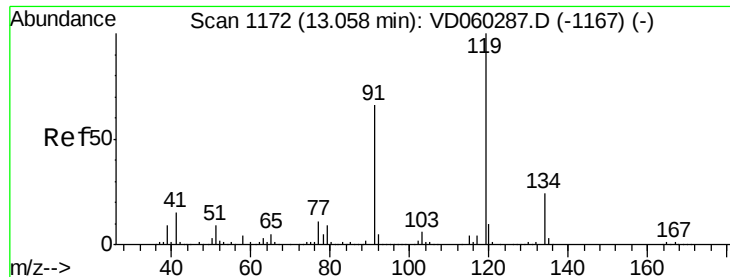
91 100

126 33.2 14.8 44.4



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

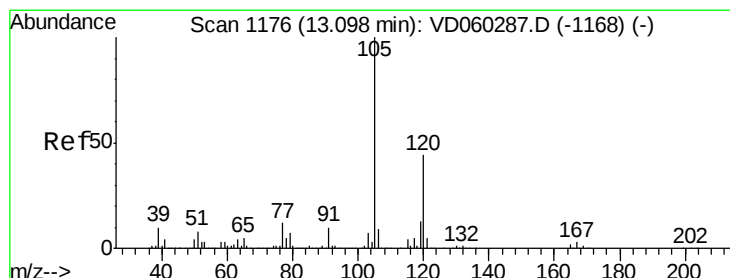
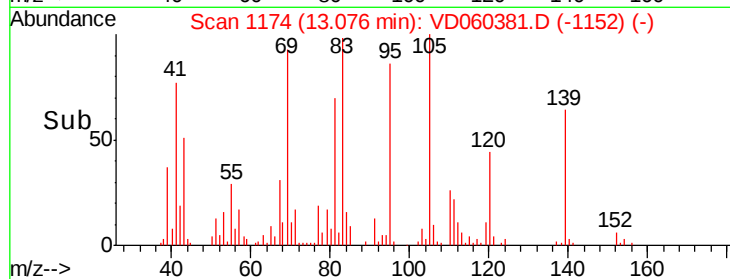
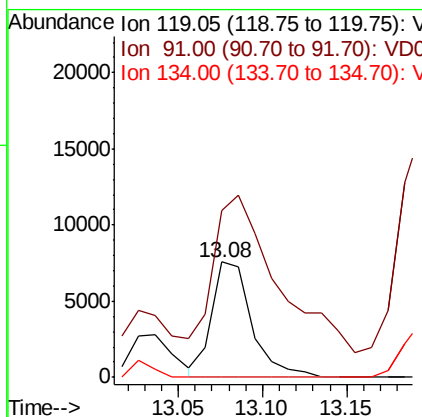
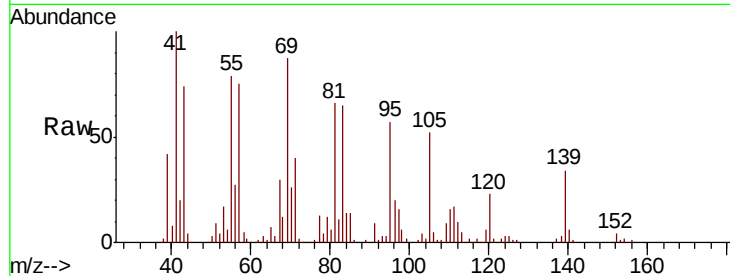




#83
 tert-Butylbenzene
 Concen: 2.528 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. 0.02 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

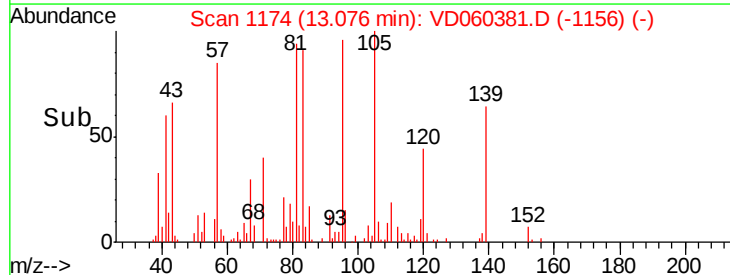
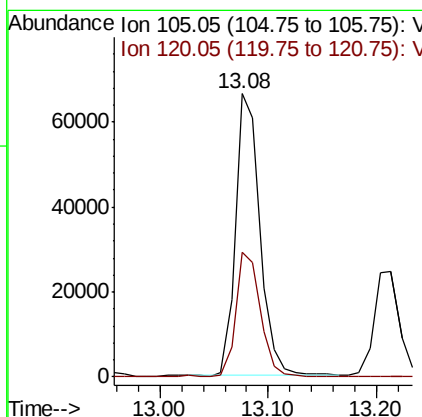
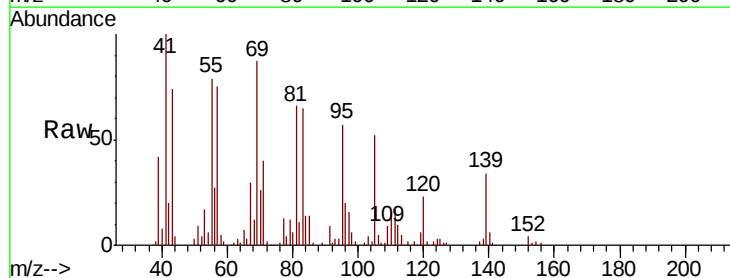
Instrument :
 MSVOA_D
 ClientSampleId :
 32727-45914-21716

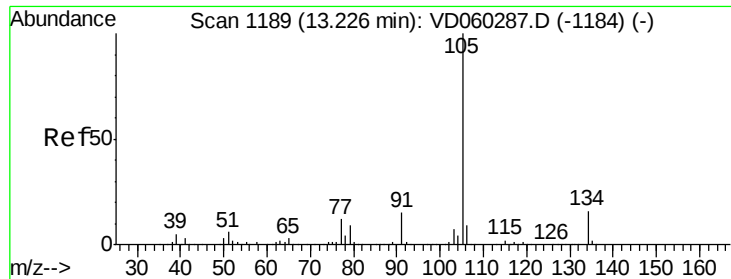
Tot Ion:119 Resp: 12534
 Ion Ratio Lower Upper
 119 100
 91 145.1 32.7 98.1#
 134 0.0 12.1 36.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 23.275 ug/l
 RT: 13.08 min Scan# 1174
 Delta R.T. -0.02 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

Tgt Ion:105 Resp: 103817
 Ion Ratio Lower Upper
 105 100
 120 44.0 21.9 65.8

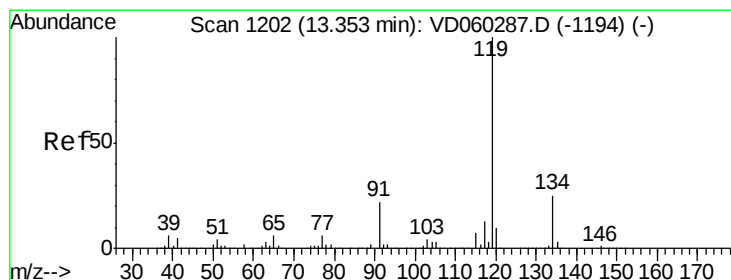
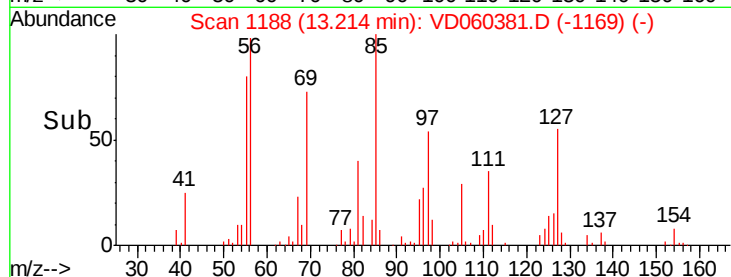
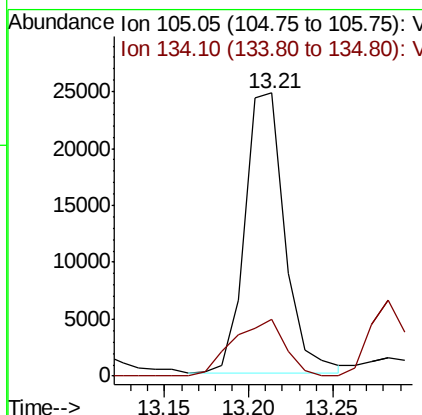
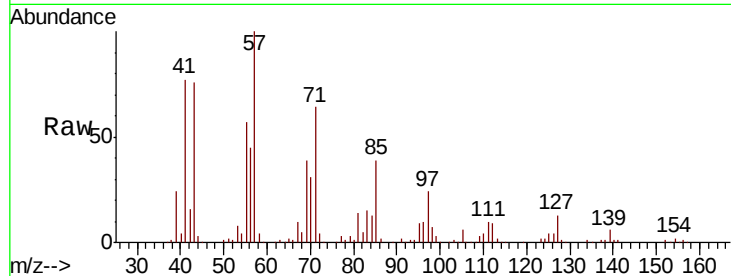




#85
 sec-Butylbenzene
 Concen: 6.629 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

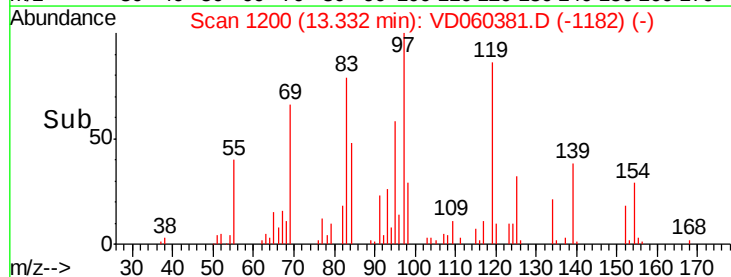
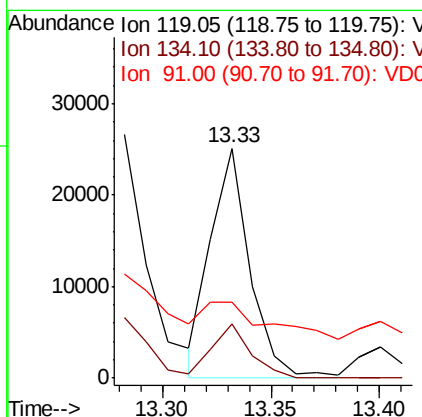
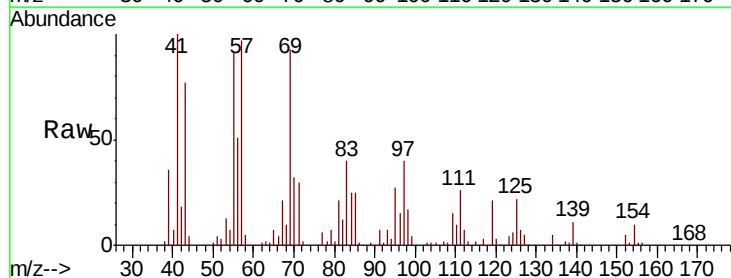
Instrument :
 MSVOA_D
 ClientSampleId :
 32727-45914-21716

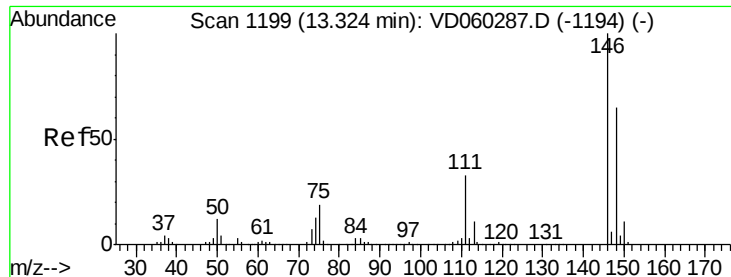
Tot Ion:105 Resp: 40327
 Ion Ratio Lower Upper
 105 100
 134 19.9 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 6.516 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060381.D
 Acq: 14 Nov 2018 16:13

Tgt Ion:119 Resp: 31922
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.9 38.6
 91 33.3 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 2.578 ug/l

RT: 13.30 min Scan# 1197

Delta R.T. -0.02 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

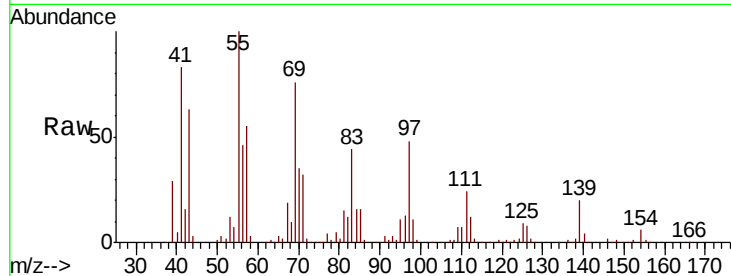
Tot Ion:146 Resp: 7002

Ion Ratio Lower Upper

146 100

111 1406.8 20.2 60.5#

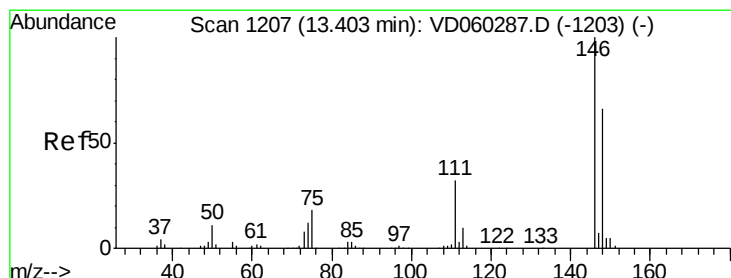
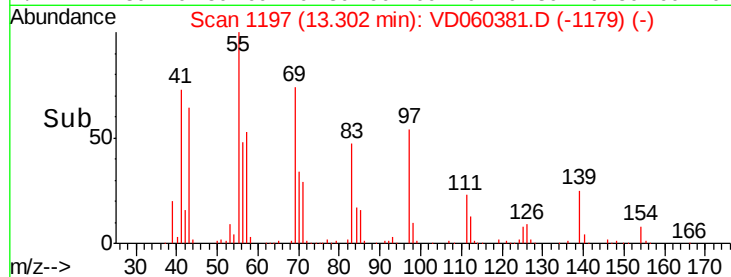
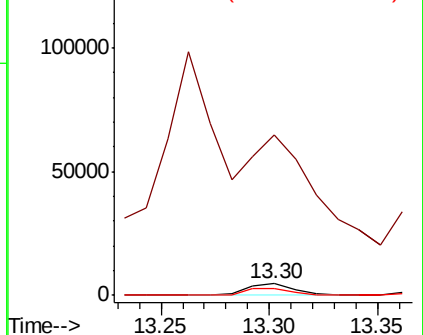
148 58.5 32.0 96.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 7.622 ug/l

RT: 13.38 min Scan# 1205

Delta R.T. -0.02 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

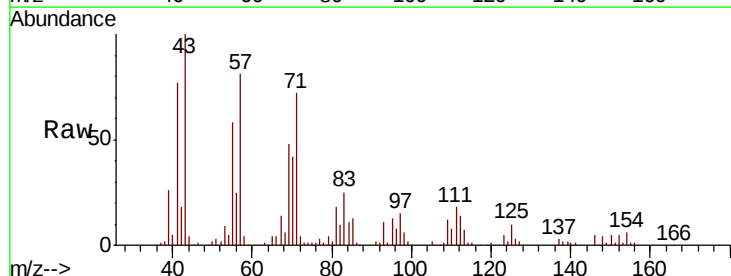
Tgt Ion:146 Resp: 20217

Ion Ratio Lower Upper

146 100

111 335.6 16.0 47.9#

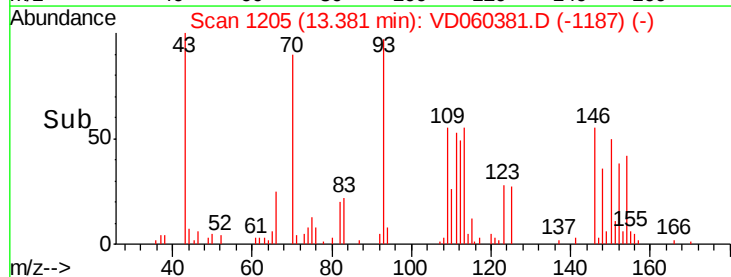
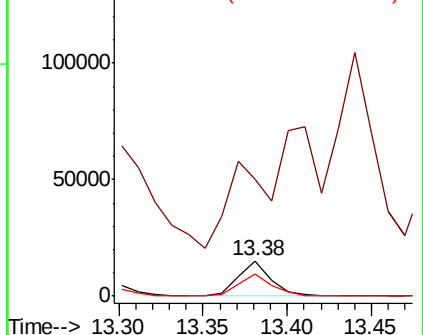
148 65.0 32.9 98.7

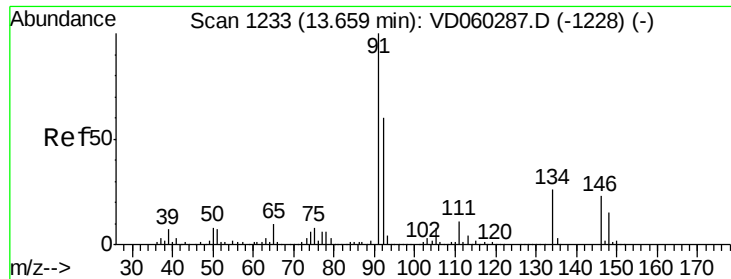


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

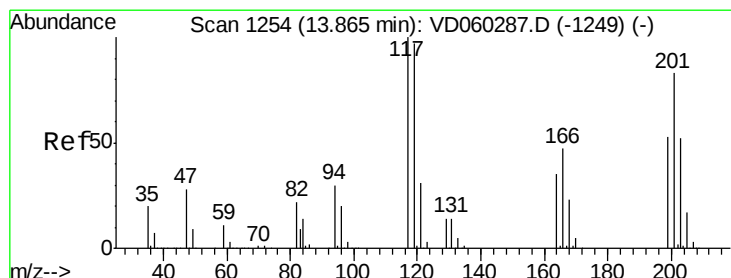
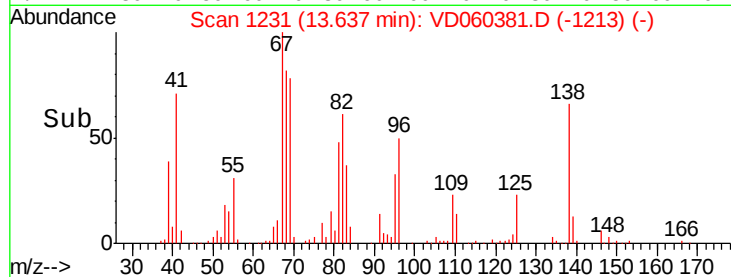
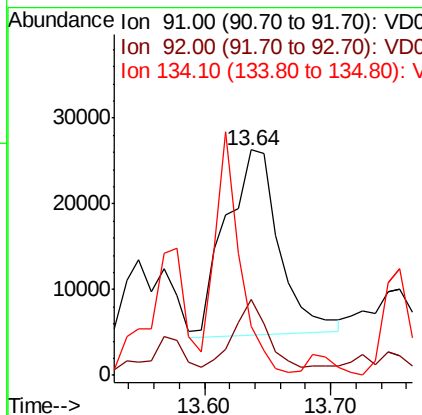
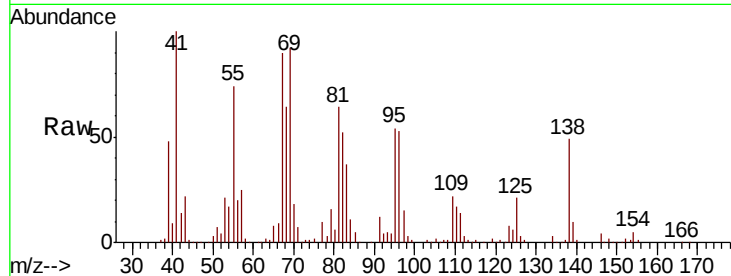




#89
n-Butylbenzene
Concen: 11.130 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.02 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

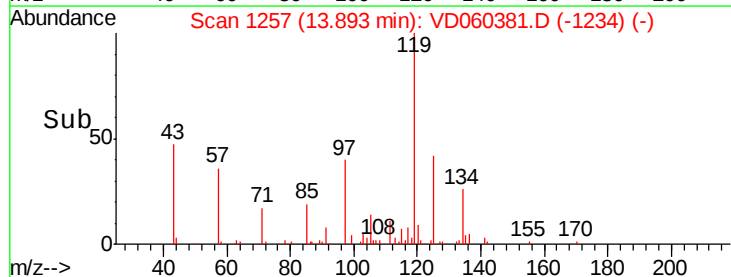
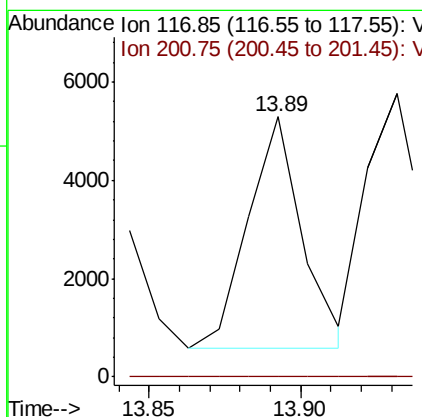
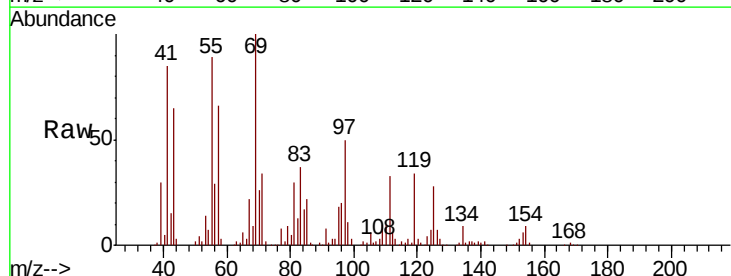
Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

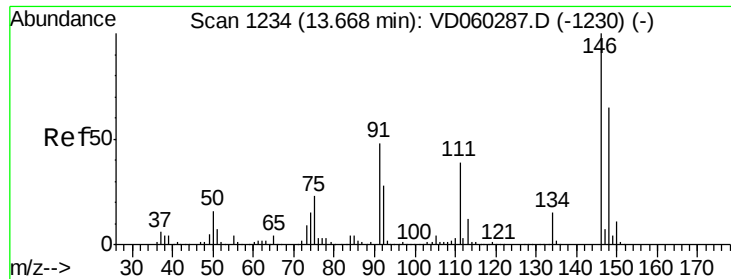
Tot Ion: 91 Resp: 63995
Ion Ratio Lower Upper
91 100
92 33.5 30.3 90.9
134 21.9 13.0 38.9



#90
Hexachloroethane
Concen: 5.044 ug/l
RT: 13.89 min Scan# 1257
Delta R.T. 0.03 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Tgt Ion: 117 Resp: 5859
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.3#





#91

1,2-Dichlorobenzene

Concen: 15.093 ug/l

RT: 13.65 min Scan# 1232

Delta R.T. -0.02 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

Instrument :

MSVOA_D

ClientSampleId :

32727-45914-21716

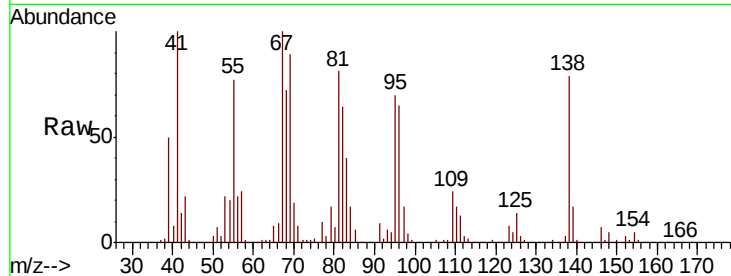
Tot Ion:146 Resp: 33668

Ion Ratio Lower Upper

146 100

111 174.8 18.9 56.9#

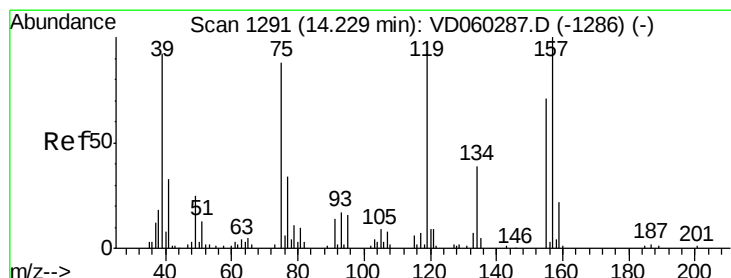
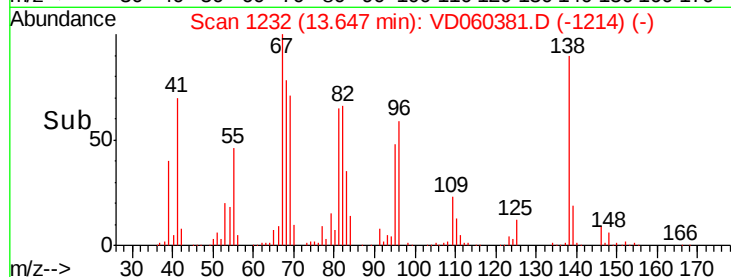
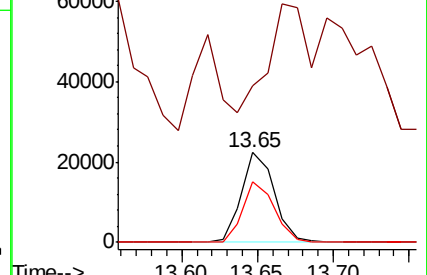
148 67.6 31.6 94.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.838 ug/l

RT: 14.21 min Scan# 1289

Delta R.T. -0.02 min

Lab File: VD060381.D

Acq: 14 Nov 2018 16:13

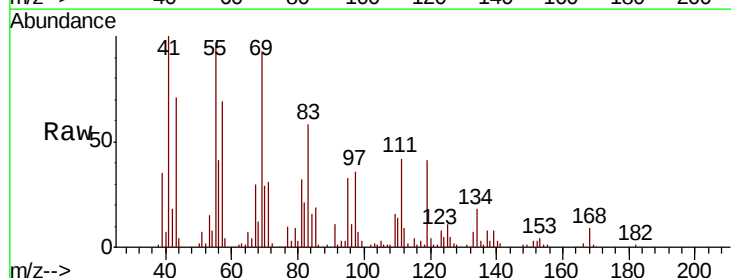
Tgt Ion: 75 Resp: 322

Ion Ratio Lower Upper

75 100

155 167.2 64.3 192.9

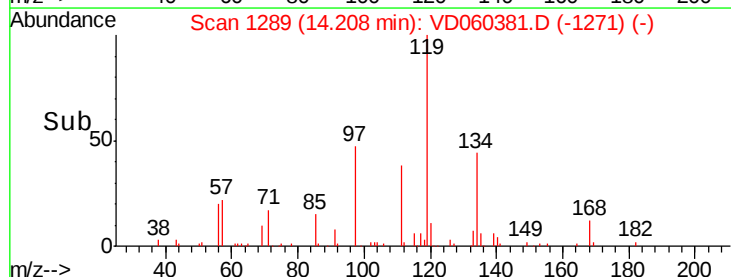
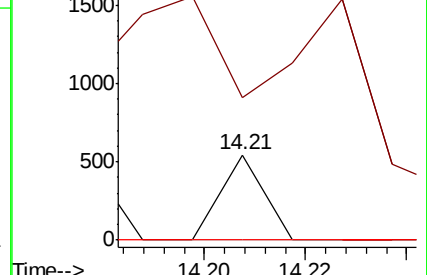
157 0.0 81.0 243.1#

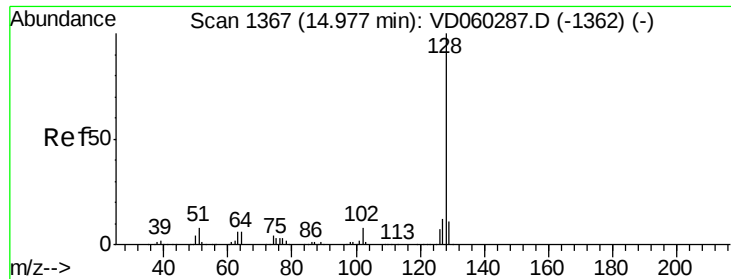


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

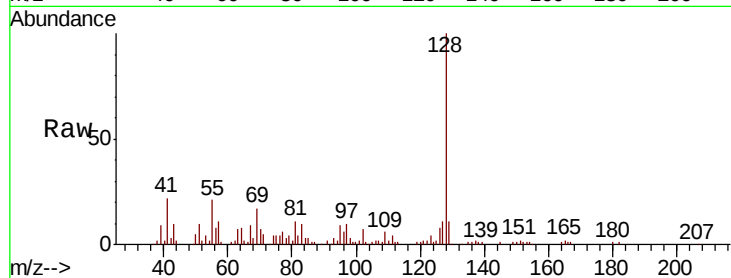




#95
Naphthalene
Concen: 49.103 ug/l
RT: 14.96 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VD060381.D
Acq: 14 Nov 2018 16:13

Instrument :
MSVOA_D
ClientSampleId :
32727-45914-21716

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.3	9.6	14.4
129	10.9	8.6	12.8



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

