

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121418\
 Data File : VD060575.D
 Acq On : 14 Dec 2018 16:05
 Operator : VA/AP
 Sample : J6403-17
 Misc : 3.71g/5ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 22:23:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.39	168	104078	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	7.43	114	171650	50.00	ug/l	-0.03
63) Chlorobenzene-d5	11.27	117	148953	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	65596	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	91308	123.77	ug/l	-0.03
Spiked Amount			Recovery	=	247.54%	
35) Dibromofluoromethane	6.30	113	87141	69.12	ug/l	-0.03
Spiked Amount			Recovery	=	138.24%	
50) Toluene-d8	9.44	98	170799	46.81	ug/l	-0.02
Spiked Amount			Recovery	=	93.62%	
62) 4-Bromofluorobenzene	12.42	95	65333	50.04	ug/l	-0.02
Spiked Amount			Recovery	=	100.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.23	94	640	2.998	ug/l #	4
8) Diethyl Ether	2.82	74	406	2.385	ug/l	52
16) Acetone	3.16	43	39769	336.321	ug/l	97
18) Methyl Acetate	3.55	43	4606	16.390	ug/l #	64
20) Methylene Chloride	3.71	84	7377	2.550	ug/l #	87
25) 2-Butanone	5.61	43	10206	43.870	ug/l	96
29) Tetrahydrofuran	5.95	42	484	3.674	ug/l #	40
31) Cyclohexane	6.39	56	2000	Below Cal	#	1
36) 1,1-Dichloropropene	6.38	75	7114	4.240	ug/l #	41
37) Ethyl Acetate	5.61	43	10206	14.026	ug/l #	68
38) Carbon Tetrachloride	6.38	117	7445	4.943	ug/l #	12
40) Benzene	6.78	78	20408	4.759	ug/l	95
41) Methacrylonitrile	5.94	41	459	1.170	ug/l #	33
51) 4-Methyl-2-Pentanone	9.44	43	1245	2.228	ug/l #	38
52) Toluene	9.53	92	46157	17.222	ug/l	98
59) 2-Hexanone	10.43	43	455	1.165	ug/l #	30
67) Ethyl Benzene	11.41	91	221835	41.272	ug/l	96
68) m/p-Xylenes	11.56	106	31623	15.903	ug/l	87
69) o-Xylene	11.92	106	64242	33.900	ug/l	83
70) Styrene	11.94	104	18459	6.068	ug/l #	86
73) Isopropylbenzene	12.27	105	139587	30.072	ug/l	99
74) N-amyl acetate	12.19	43	11183	9.968	ug/l #	42
75) 1,1,2,2-Tetrachloroethane	12.57	83	4610	6.204	ug/l #	38
76) 1,2,3-Trichloropropane	12.73	75	5838	7.855	ug/l #	1
78) n-propylbenzene	12.63	91	31084	5.298	ug/l	98
79) 2-Chlorotoluene	12.73	91	95732	30.067	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.79	105	518495	146.183	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.42	75	25762	124.278	ug/l #	16
82) 4-Chlorotoluene	12.79	91	55387	15.488	ug/l #	39
83) tert-Butylbenzene	13.08	119	201229	50.600	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.08	105	1715523	467.114	ug/l	100
85) sec-Butylbenzene	13.08	105	1715523	346.102	ug/l #	63
86) p-Isopropyltoluene	13.33	119	370249	94.230	ug/l	95
89) n-Butylbenzene	13.62	91	364404	Below Cal	#	1

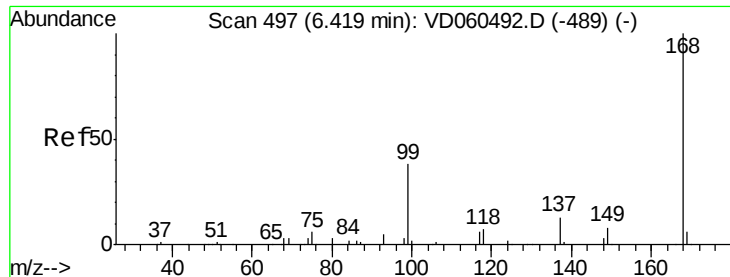
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121418\
Data File : VD060575.D
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Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.84	117	143208	145.365	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.22	75	15896	176.539	ug/l #	2
93) 1,2,4-Trichlorobenzene	14.79	180	2903	2.057	ug/l #	1
95) Naphthalene	14.97	128	12353349	7357.688	ug/l	97
96) 1,2,3-Trichlorobenzene	15.13	180	4519	4.019	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.39 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

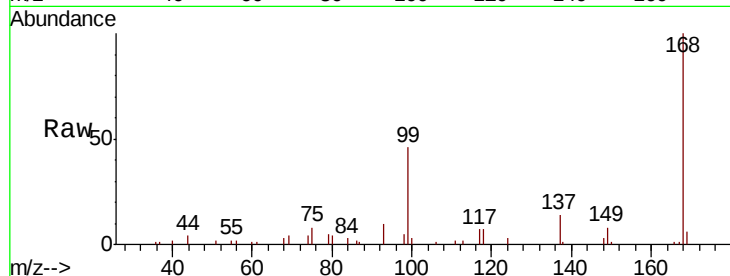
ClientSampleId :

Tot Ion:168 Resp: 104078

Ion Ratio Lower Upper

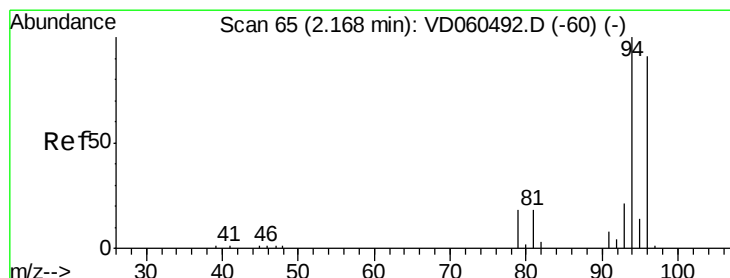
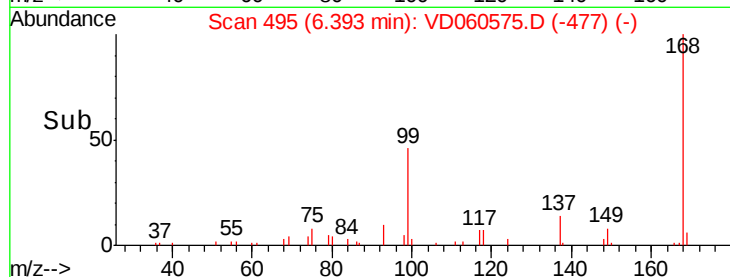
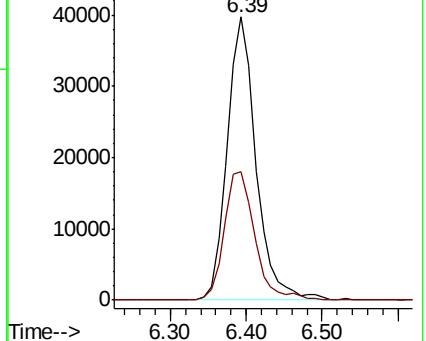
168 100

99 45.5 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#5

Bromomethane

Concen: 2.998 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.06 min

Lab File: VD060575.D

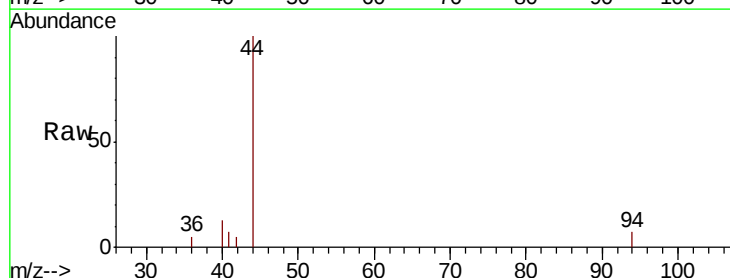
Acq: 14 Dec 2018 16:05

Tgt Ion: 94 Resp: 640

Ion Ratio Lower Upper

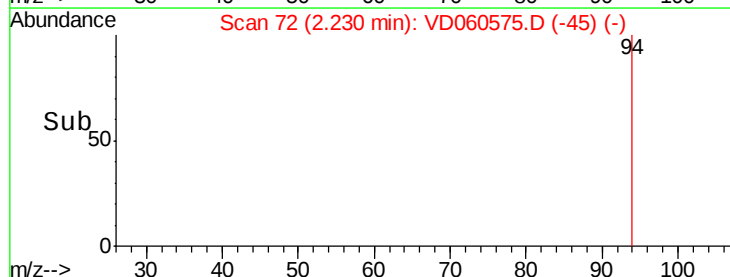
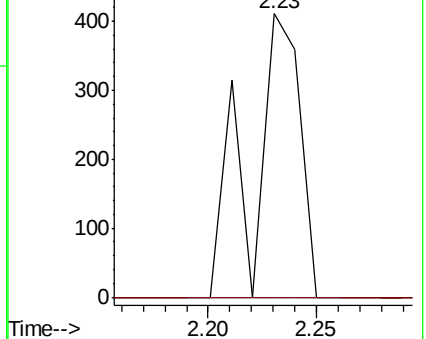
94 100

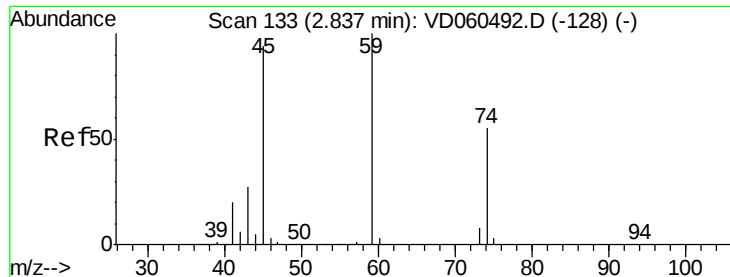
96 0.0 72.6 108.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#8

Diethyl Ether

Concen: 2.385 ug/l

RT: 2.82 min Scan# 132

Delta R.T. -0.02 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

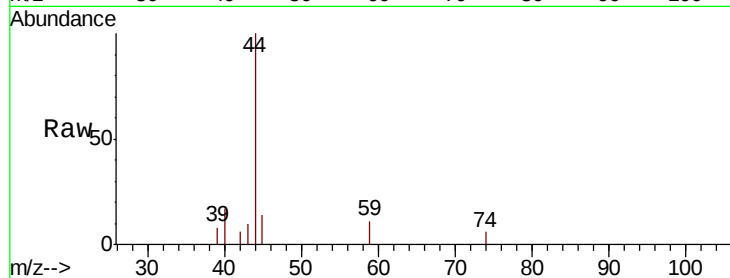
ClientSampleId :

Tot Ion: 74 Resp: 406

Ion Ratio Lower Upper

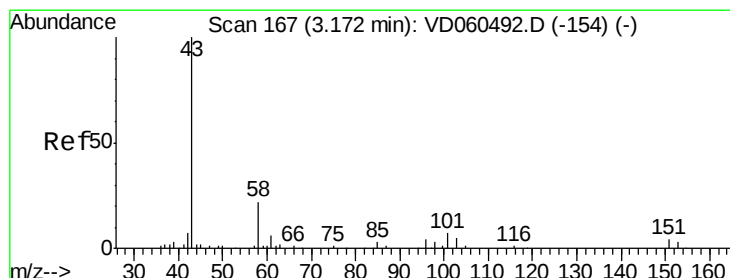
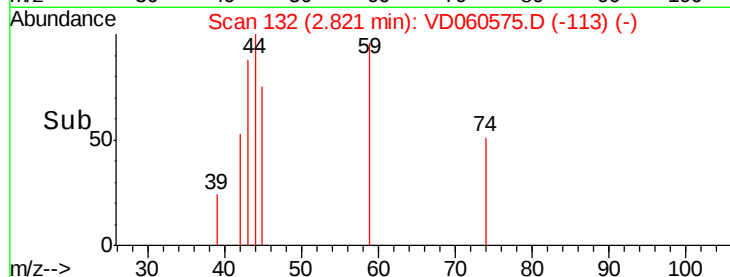
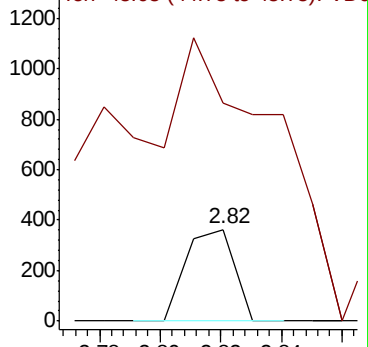
74 100

45 237.7 86.0 258.0



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#16

Acetone

Concen: 336.321 ug/l

RT: 3.16 min Scan# 166

Delta R.T. -0.02 min

Lab File: VD060575.D

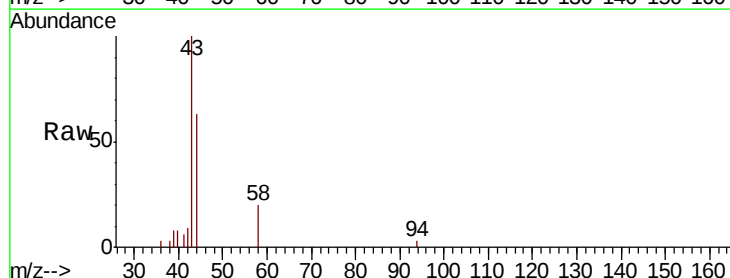
Acq: 14 Dec 2018 16:05

Tgt Ion: 43 Resp: 39769

Ion Ratio Lower Upper

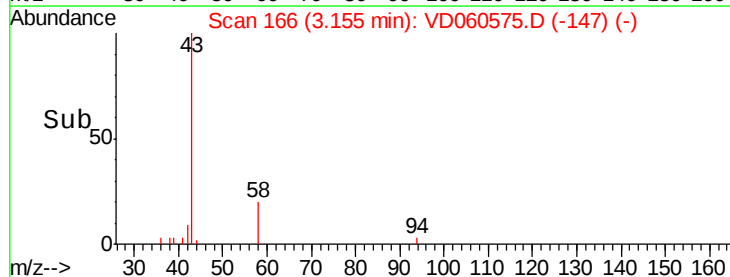
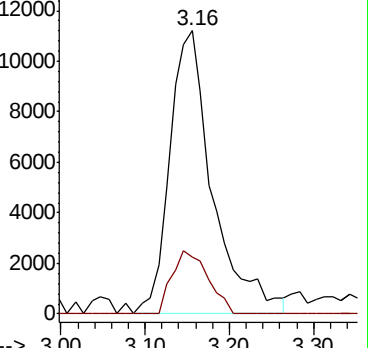
43 100

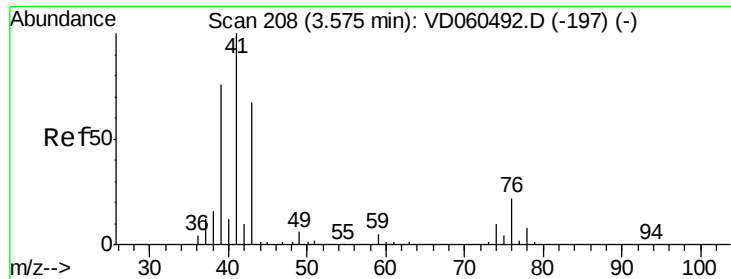
58 20.3 17.3 25.9



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

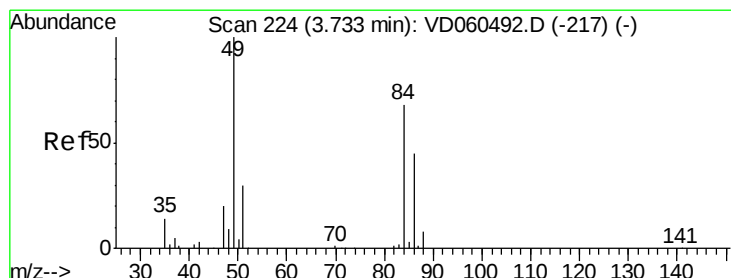
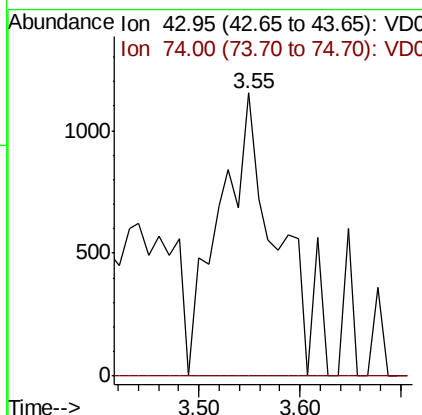
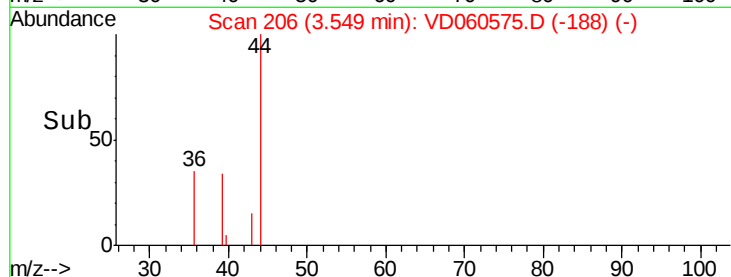
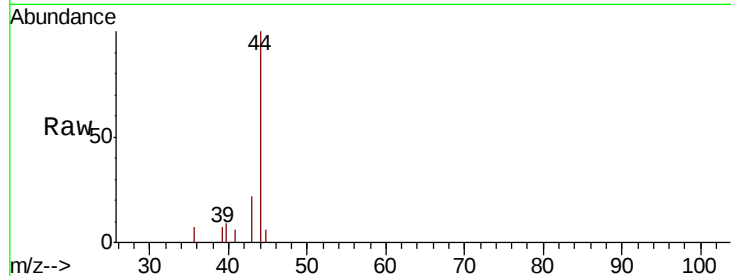




#18
Methyl Acetate
Concen: 16.390 ug/l
RT: 3.55 min Scan# 206
Delta R.T. -0.03 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

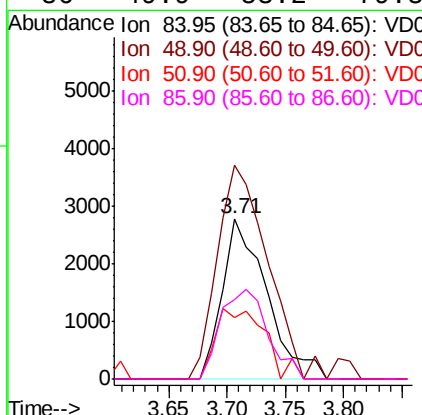
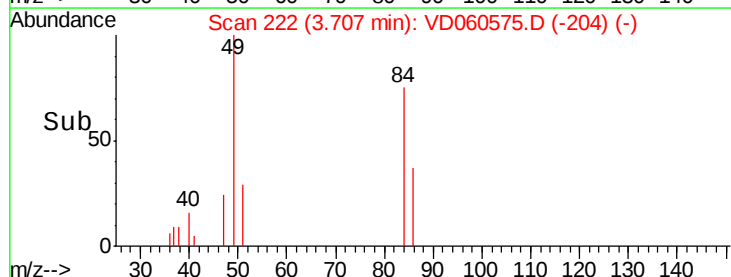
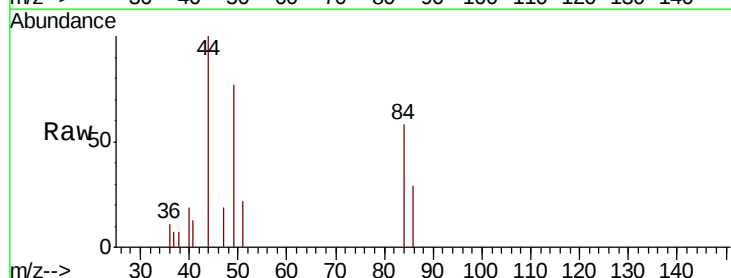
Instrument :
MSVOA_D
ClientSampleId :

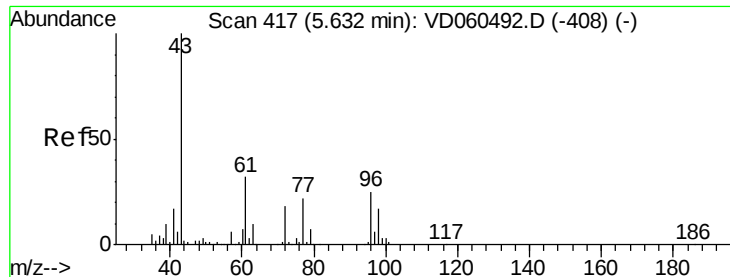
Tot Ion: 43 Resp: 4606
Ion Ratio Lower Upper
43 100
74 0.0 12.0 18.0#



#20
Methylene Chloride
Concen: 2.550 ug/l
RT: 3.71 min Scan# 222
Delta R.T. -0.03 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion: 84 Resp: 7377
Ion Ratio Lower Upper
84 100
49 133.2 117.2 175.8
51 38.7 35.3 52.9
86 49.9 53.2 79.8#





#25

2-Butanone

Concen: 43.870 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.03 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

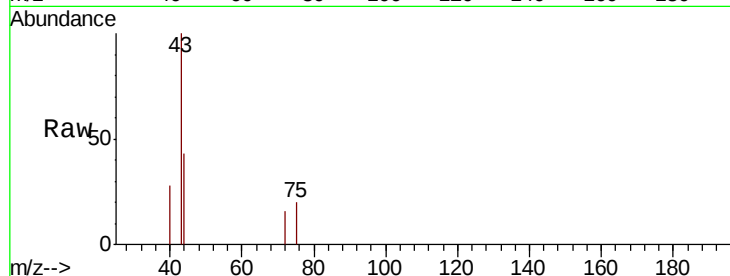
ClientSampled :

Tot Ion: 43 Resp: 10206

Ion Ratio Lower Upper

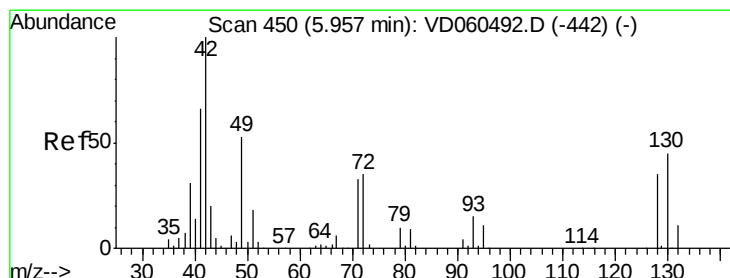
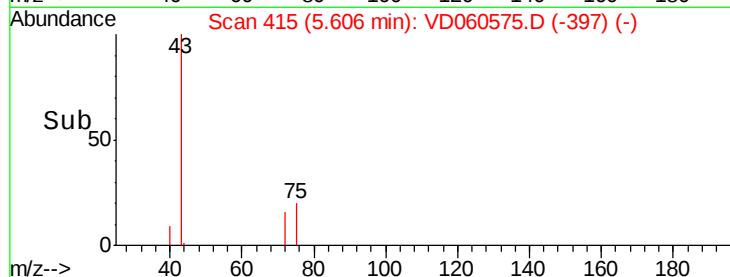
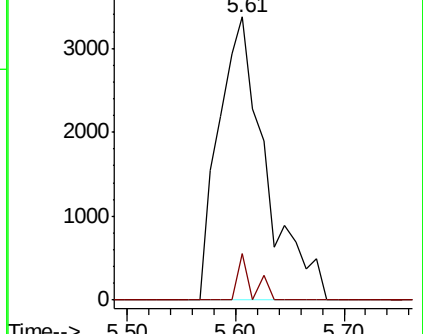
43 100

72 16.4 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 3.674 ug/l

RT: 5.95 min Scan# 450

Delta R.T. -0.01 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

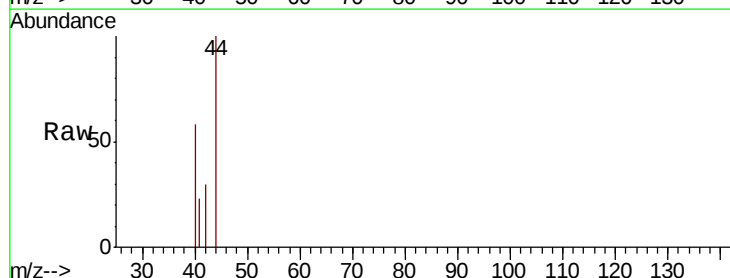
Tgt Ion: 42 Resp: 484

Ion Ratio Lower Upper

42 100

72 0.0 28.0 42.0#

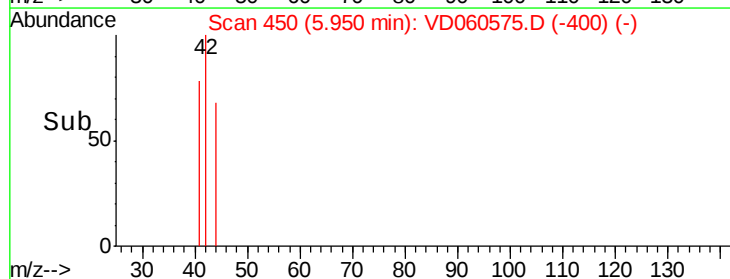
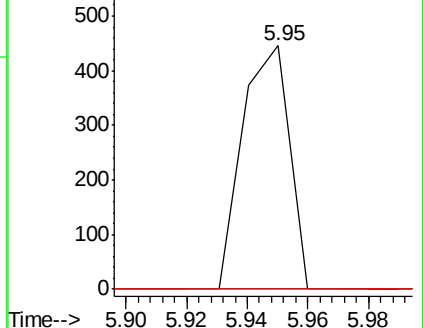
71 0.0 27.2 40.8#

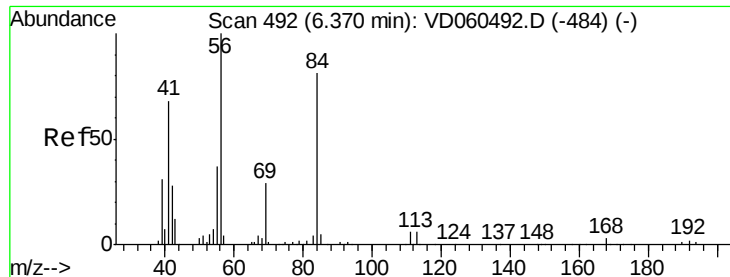


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

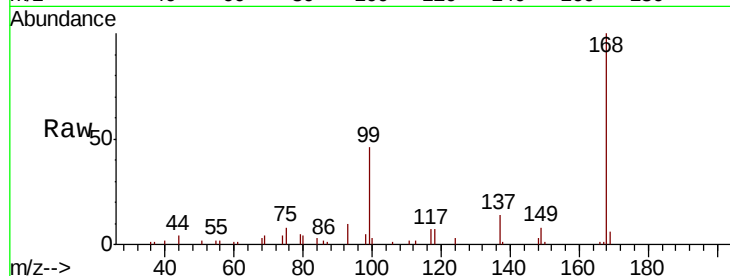




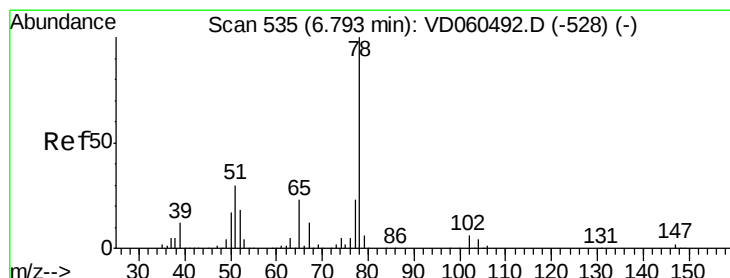
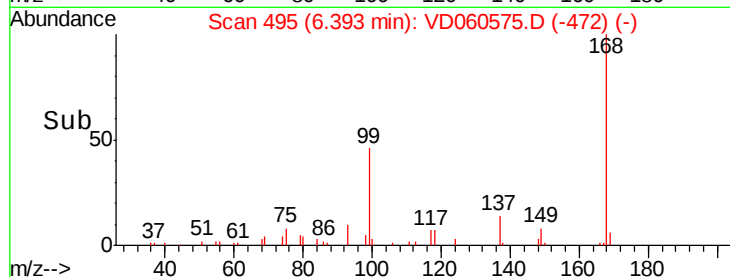
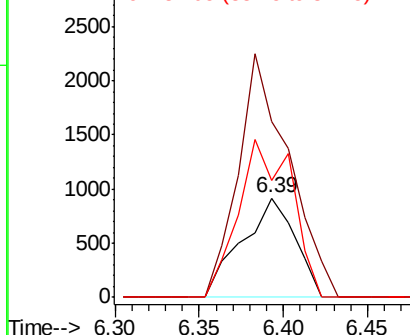
#31
Cyclohexane
Concen: Below Cal
RT: 6.39 min Scan# 495
Delta R.T. 0.02 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 2000
Ion Ratio Lower Upper
56 100
69 177.3 22.8 34.2#
84 118.7 65.1 97.7#

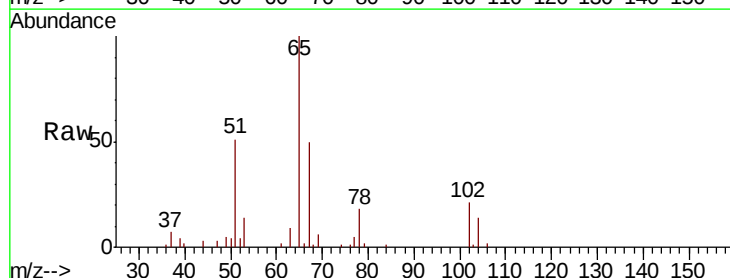


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

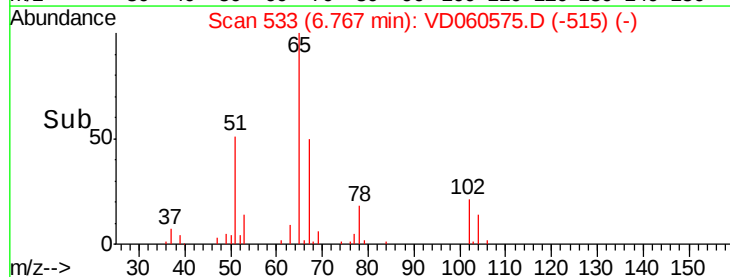
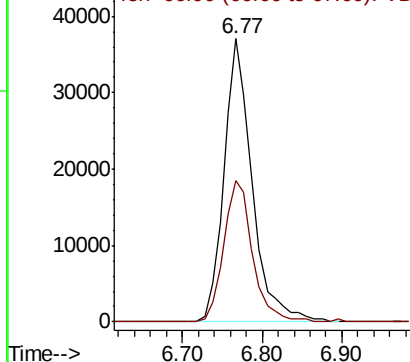


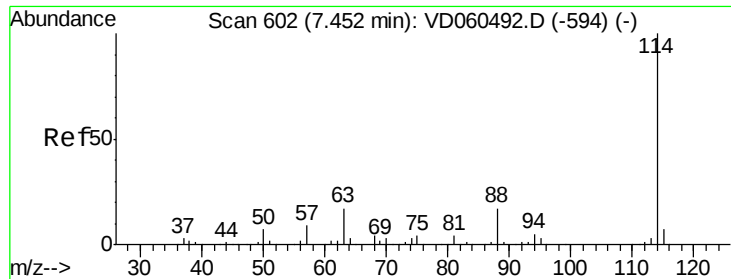
#33
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.03 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion: 65 Resp: 91308
Ion Ratio Lower Upper
65 100
67 50.0 0.0 106.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

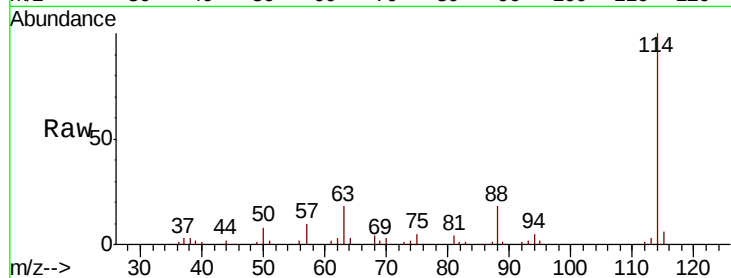




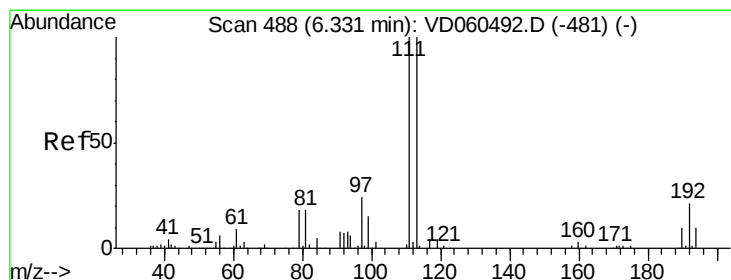
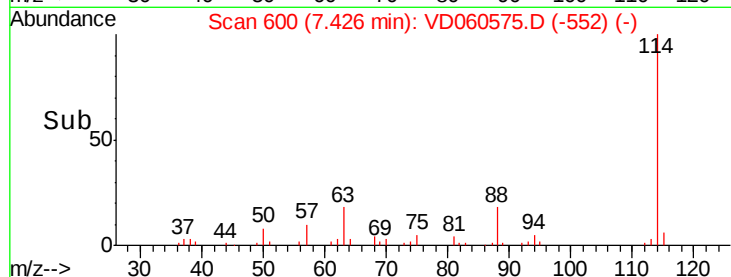
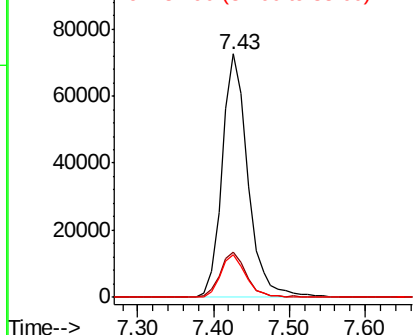
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.43 min Scan# 600
 Delta R.T. -0.03 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 171650
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 34.2
 88 17.6 0.0 35.0

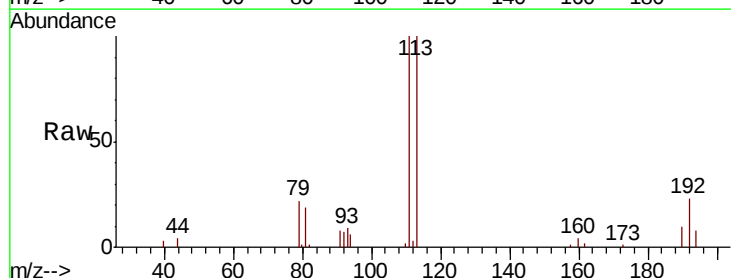


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

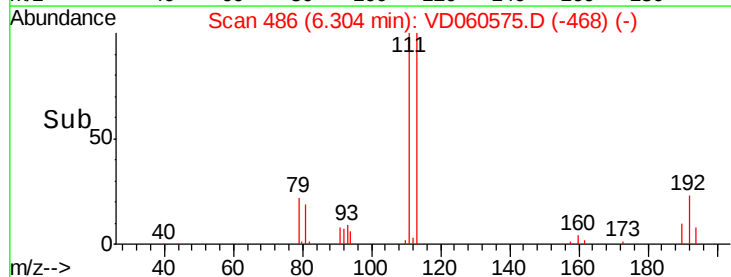
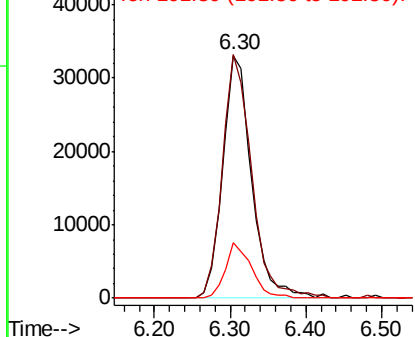


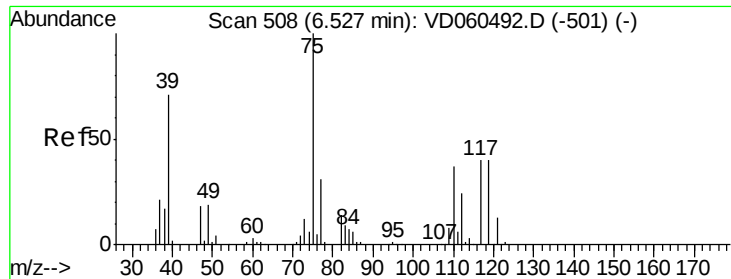
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.30 min Scan# 486
 Delta R.T. -0.03 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

Tgt Ion:113 Resp: 87141
 Ion Ratio Lower Upper
 113 100
 111 100.4 80.2 120.4
 192 23.1 16.6 24.8



Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 4.240 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.14 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

ClientSampleId :

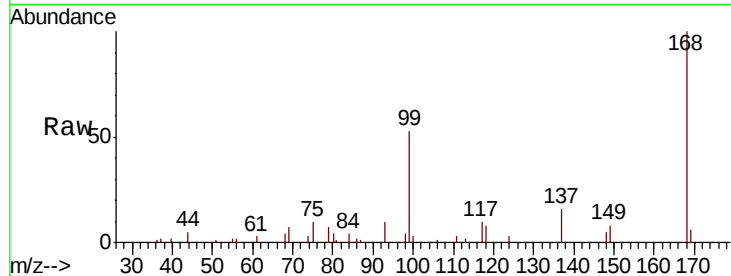
Tot Ion: 75 Resp: 7114

Ion Ratio Lower Upper

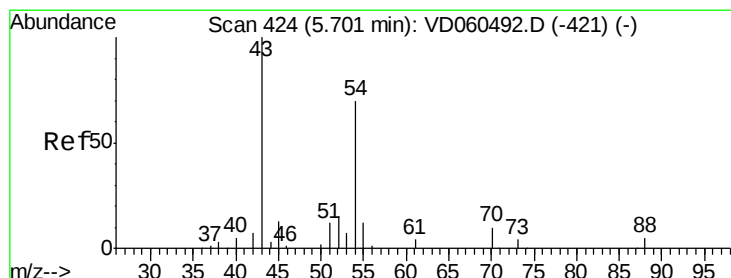
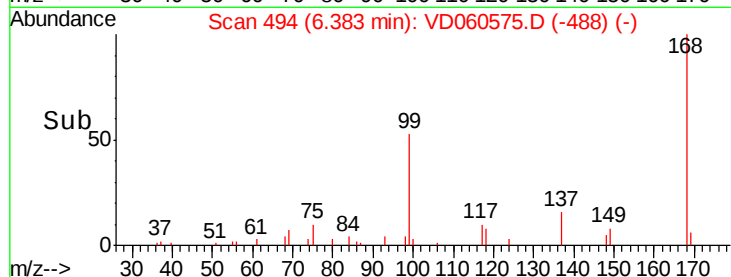
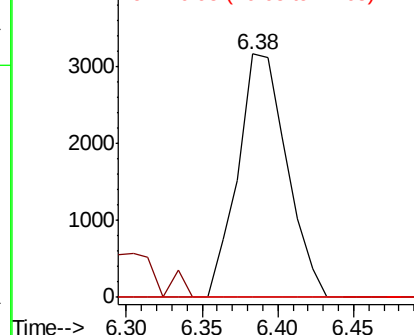
75 100

110 0.0 18.3 54.8#

77 0.0 24.6 37.0#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#37

Ethyl Acetate

Concen: 14.026 ug/l

RT: 5.61 min Scan# 415

Delta R.T. -0.10 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

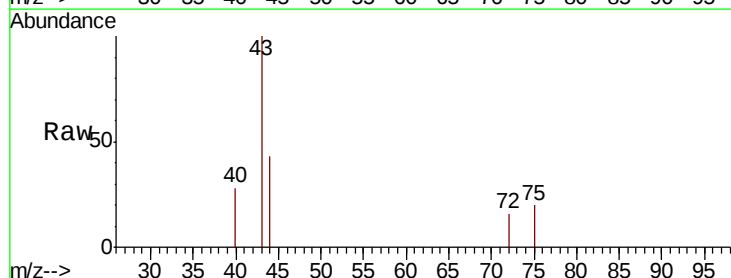
Tgt Ion: 43 Resp: 10206

Ion Ratio Lower Upper

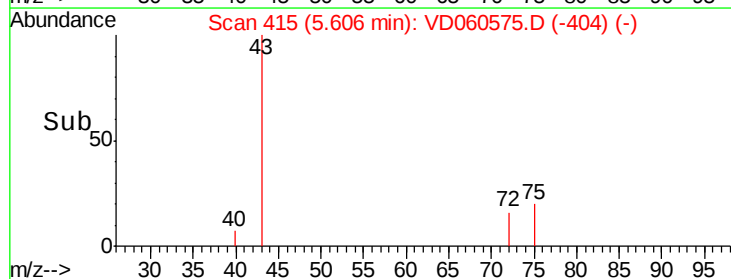
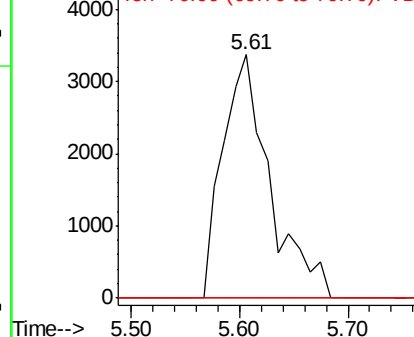
43 100

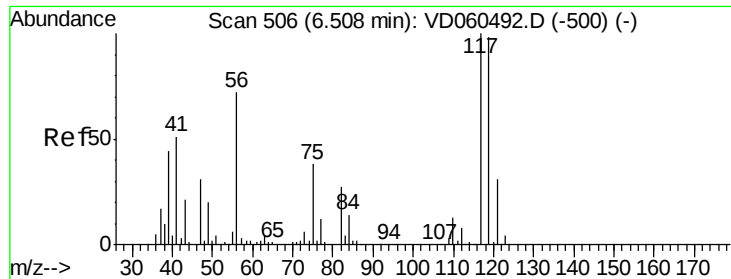
61 0.0 12.4 18.6#

70 0.0 5.4 8.0#



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

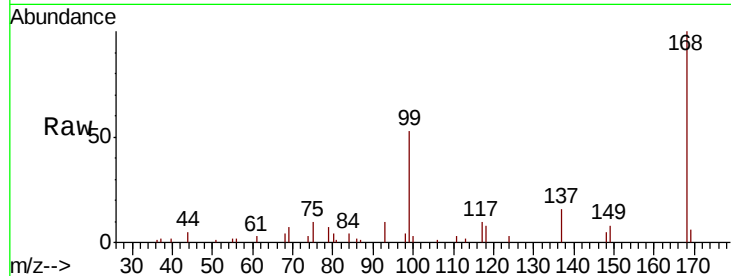




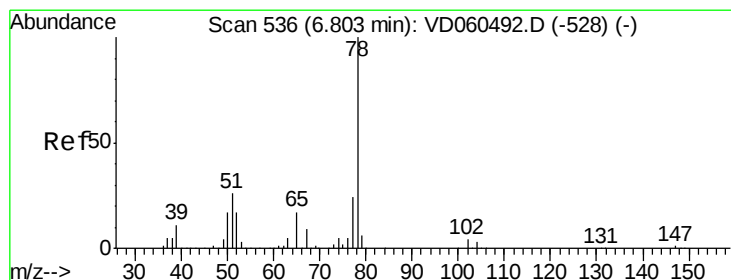
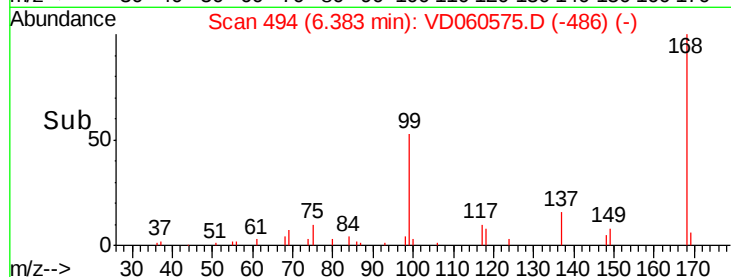
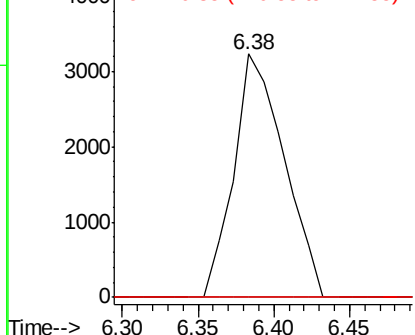
#38
Carbon Tetrachloride
Concen: 4.943 ug/l
RT: 6.38 min Scan# 494
Delta R.T. -0.12 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 7445
Ion Ratio Lower Upper
117 100
119 0.0 76.8 115.2#
121 0.0 24.4 36.6#

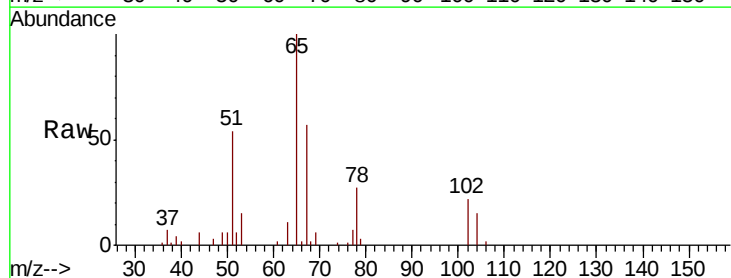


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

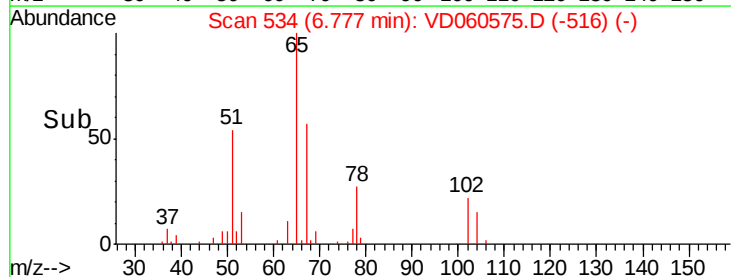
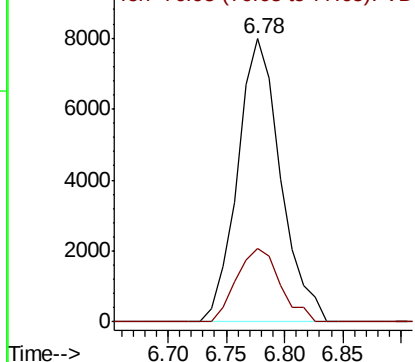


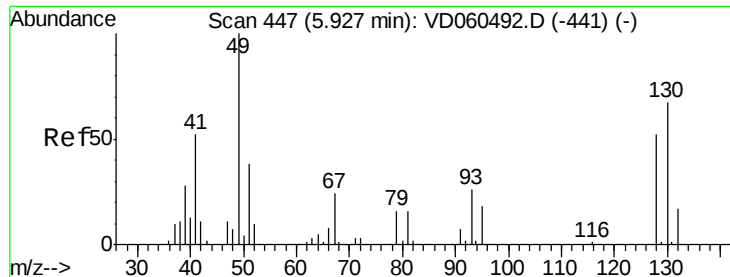
#40
Benzene
Concen: 4.759 ug/l
RT: 6.78 min Scan# 534
Delta R.T. -0.03 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion: 78 Resp: 20408
Ion Ratio Lower Upper
78 100
77 25.9 18.9 28.3



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





#41

Methacrylonitrile

Concen: 1.170 ug/l

RT: 5.94 min Scan# 449

Delta R.T. 0.01 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 459

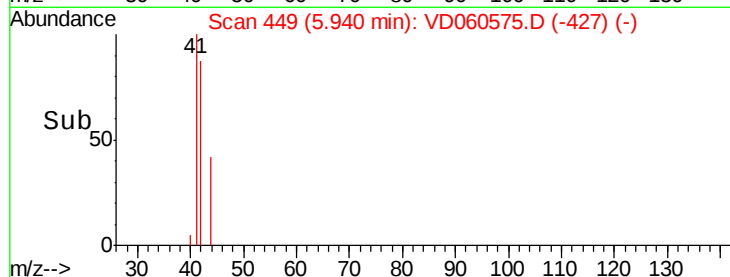
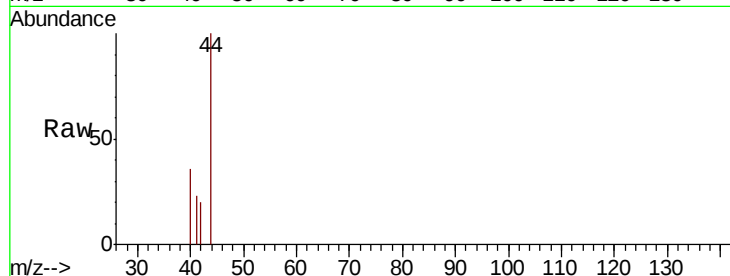
Ion Ratio Lower Upper

41 100

39 0.0 42.6 63.8#

67 0.0 36.2 54.4#

52 0.0 15.6 23.4#

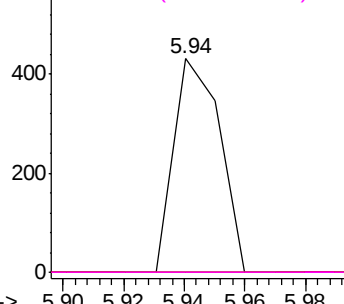


Abundance Ion 40.95 (40.65 to 41.65): VDC

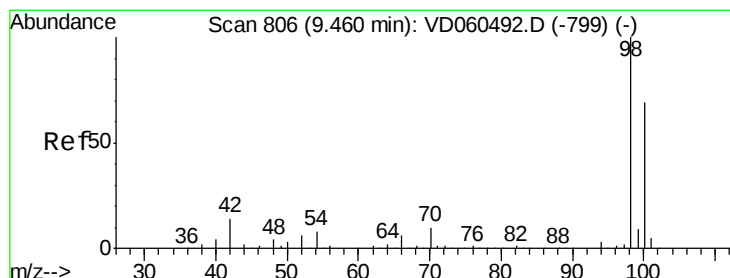
Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



Time-->



#50

Toluene-d8

Concen: N.D. ug/l

RT: 9.44 min Scan# 805

Delta R.T. -0.02 min

Lab File: VD060575.D

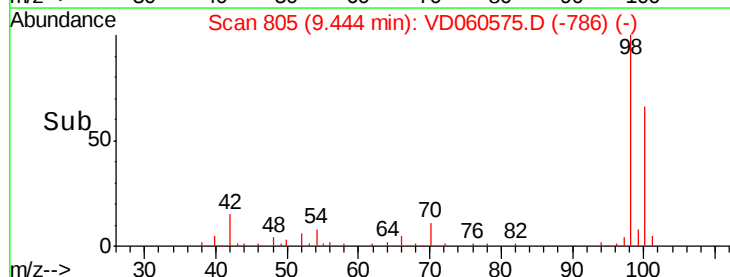
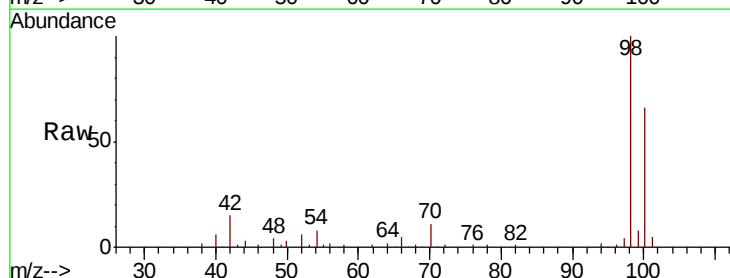
Acq: 14 Dec 2018 16:05

Tgt Ion: 98 Resp: 170799

Ion Ratio Lower Upper

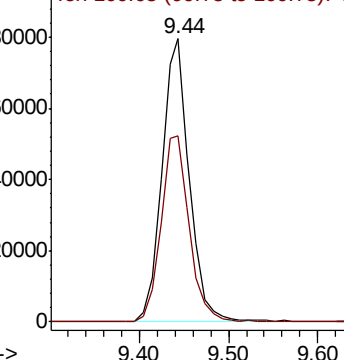
98 100

100 65.9 55.7 83.5

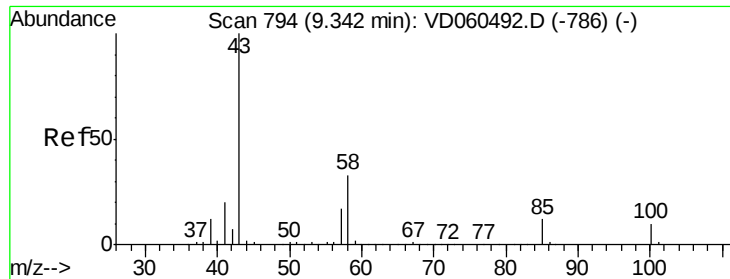


Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



Time-->



#51

4-Methyl-2-Pentanone

Concen: 2.228 ug/l

RT: 9.44 min Scan# 805

Delta R.T. 0.10 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

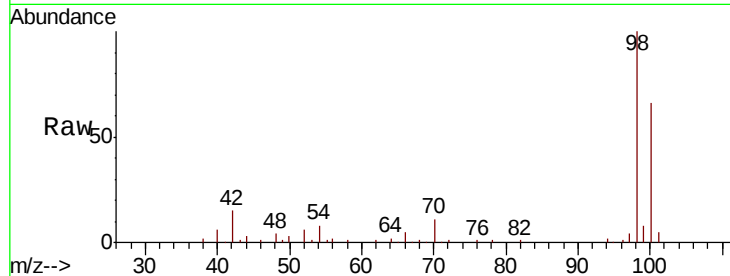
ClientSampleId :

Tot Ion: 43 Resp: 1245

Ion Ratio Lower Upper

43 100

58 67.9 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

9.44

600

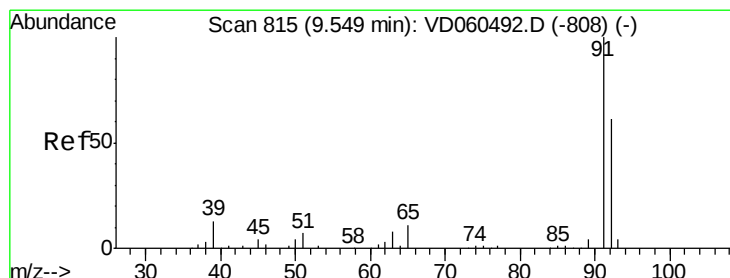
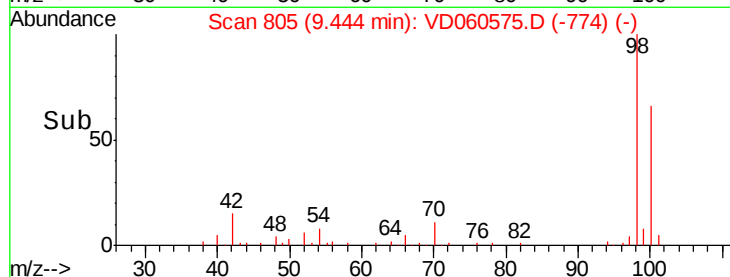
400

200

0

9.40 9.45

Time-->



#52

Toluene

Concen: 17.222 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD060575.D

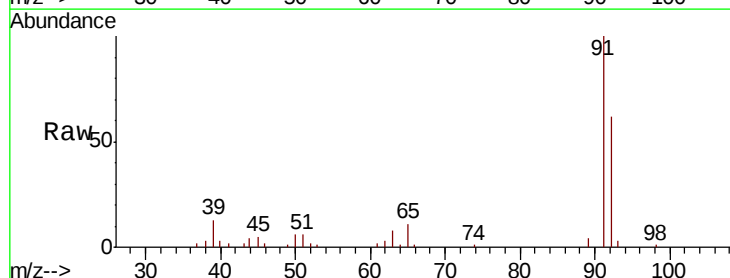
Acq: 14 Dec 2018 16:05

Tgt Ion: 92 Resp: 46157

Ion Ratio Lower Upper

92 100

91 162.3 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

9.53

40000

30000

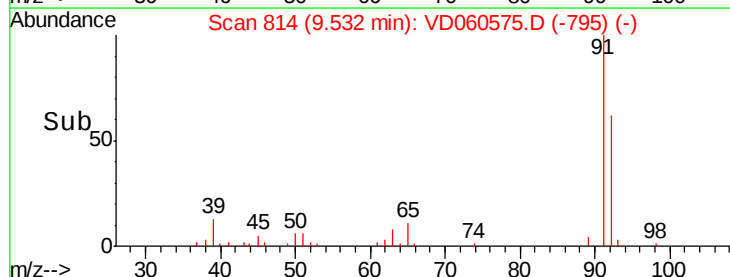
20000

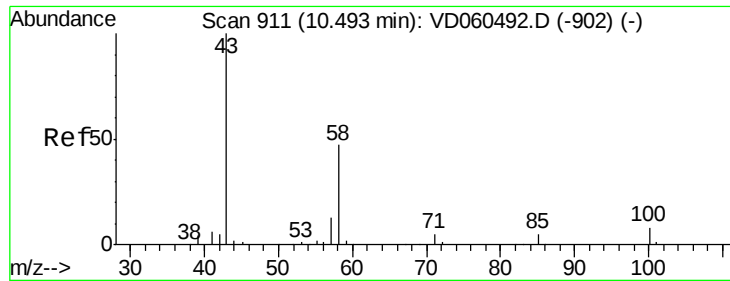
10000

0

9.45 9.50 9.55 9.60

Time-->

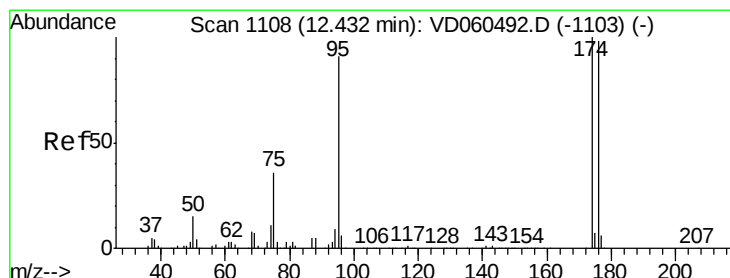
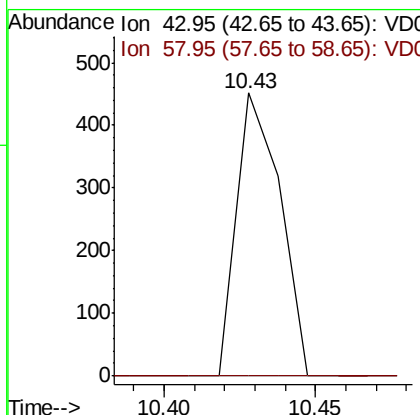
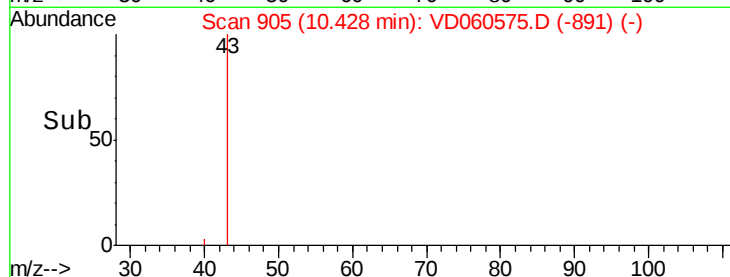
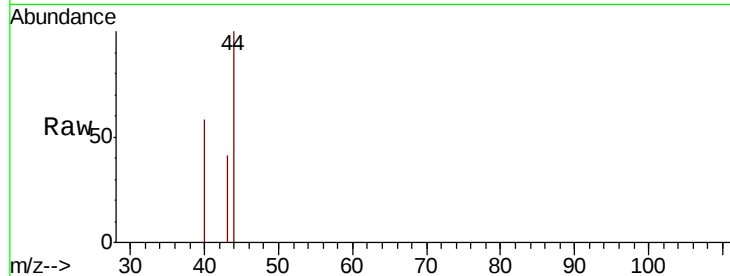




#59
2-Hexanone
Concen: 1.165 ug/l
RT: 10.43 min Scan# 905
Delta R.T. -0.07 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

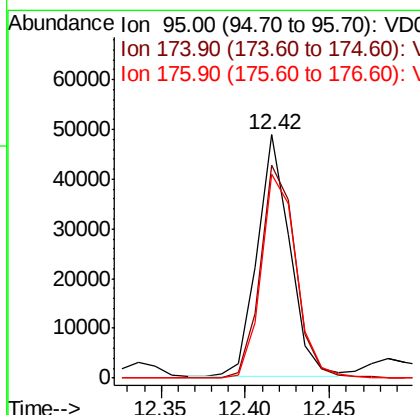
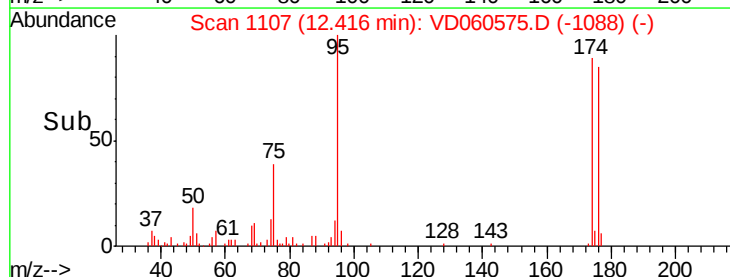
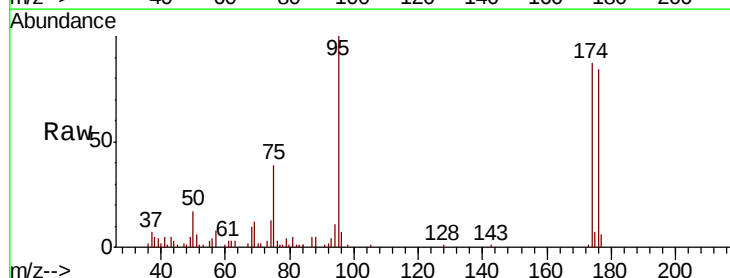
Instrument :
MSVOA_D
ClientSampled :

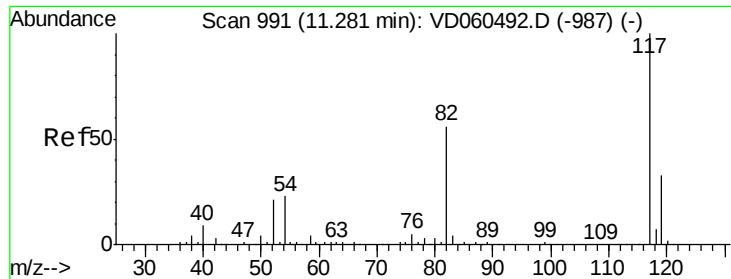
Tot Ion: 43 Resp: 455
Ion Ratio Lower Upper
43 100
58 0.0 23.4 70.2#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.42 min Scan# 1107
Delta R.T. -0.02 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion: 95 Resp: 65333
Ion Ratio Lower Upper
95 100
174 87.4 0.0 219.4
176 83.7 0.0 214.6

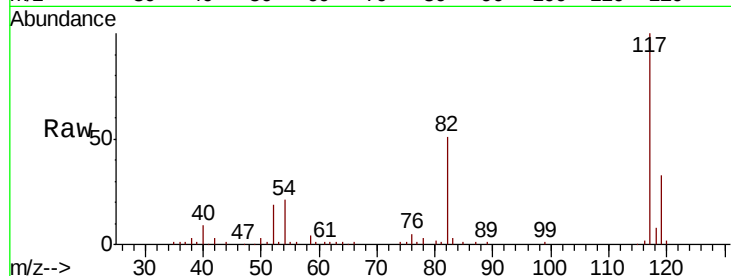




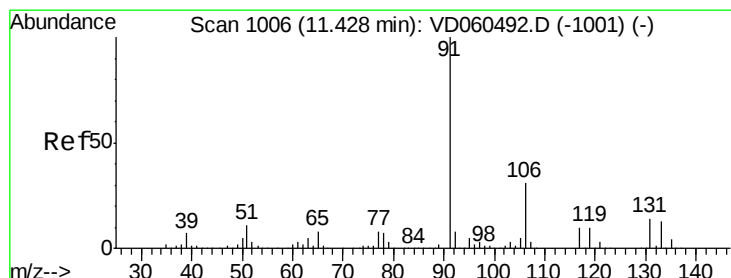
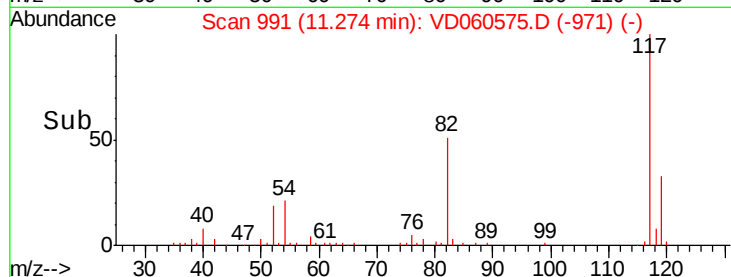
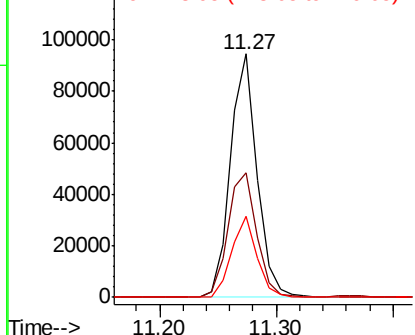
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. -0.01 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 148953
Ion Ratio Lower Upper
117 100
82 51.4 45.2 67.8
119 33.4 26.1 39.1

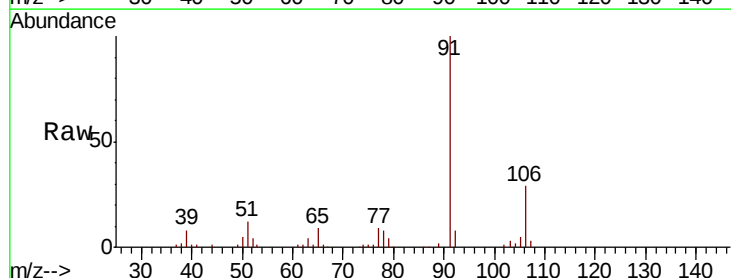


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VDC
Ion 118.95 (118.65 to 119.65): V

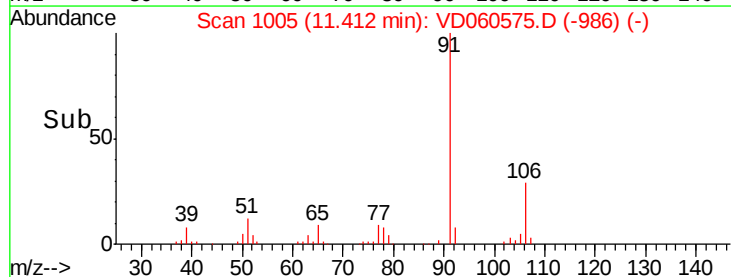
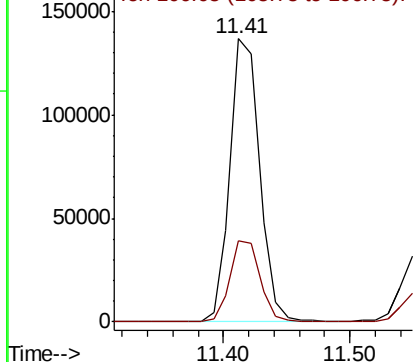


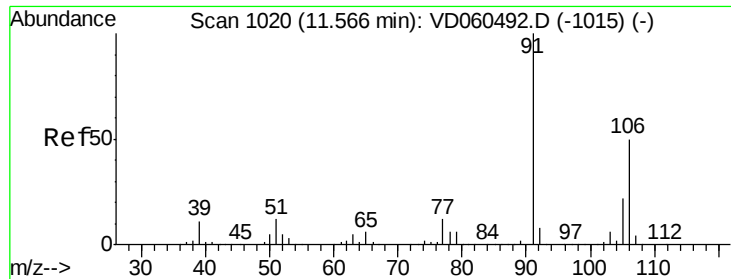
#67
Ethyl Benzene
Concen: 41.272 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.02 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion: 91 Resp: 221835
Ion Ratio Lower Upper
91 100
106 28.6 24.6 37.0



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

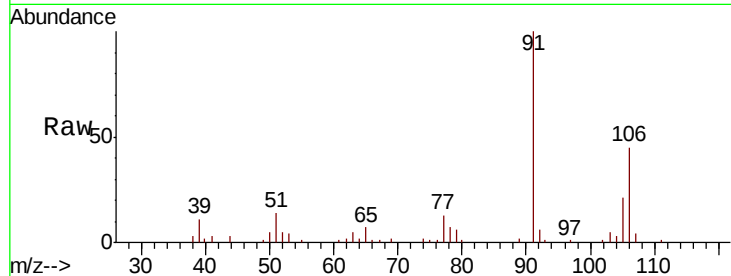




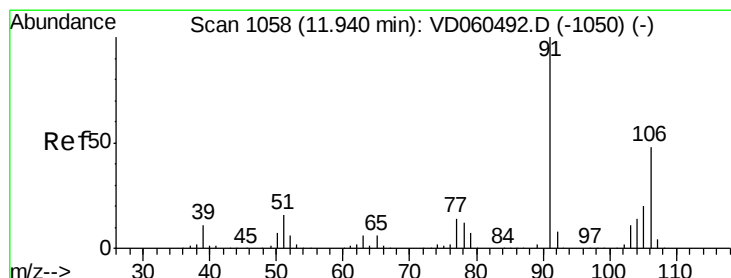
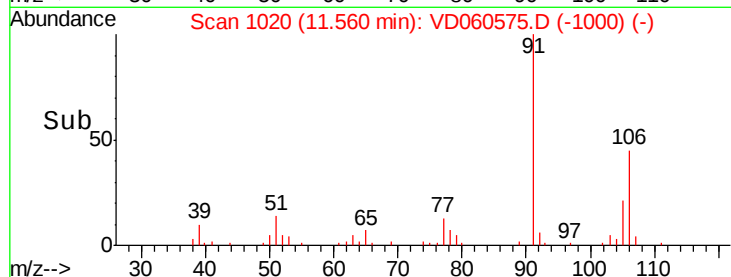
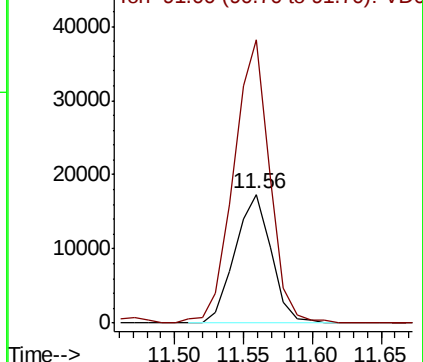
#68
m/p-Xylenes
Concen: 15.903 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 31623
Ion Ratio Lower Upper
106 100
91 220.3 160.5 240.7

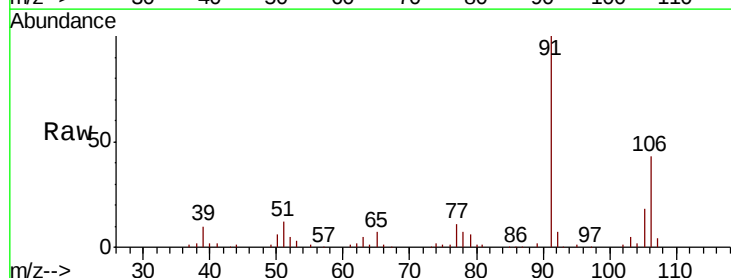


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

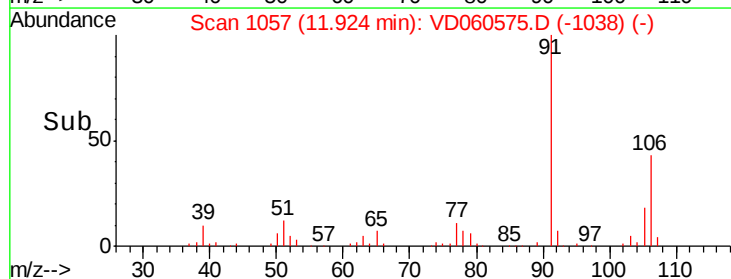
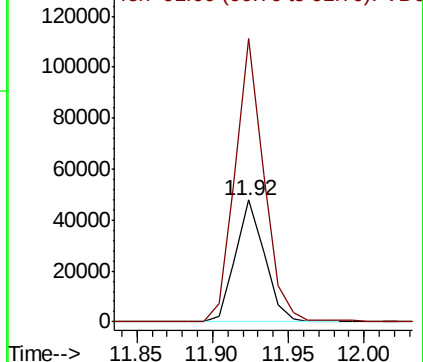


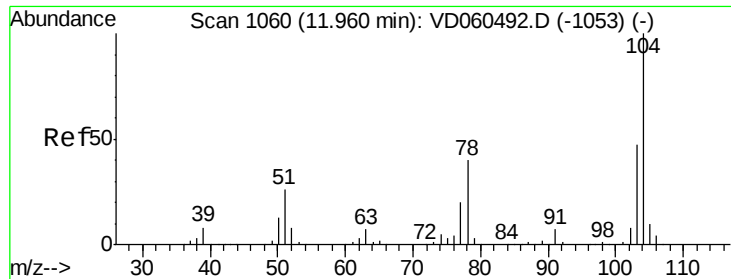
#69
o-Xylene
Concen: 33.900 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.02 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion:106 Resp: 64242
Ion Ratio Lower Upper
106 100
91 232.4 103.4 310.1



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





#70

Stvrene

Concen: 6.068 ug/l

RT: 11.94 min Scan# 1059

Delta R.T. -0.02 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

ClientSampled :

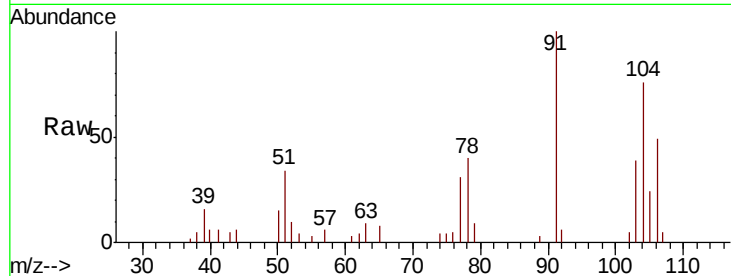
Tot Ion:104 Resp: 18459

Ion Ratio Lower Upper

104 100

78 53.4 32.1 48.1#

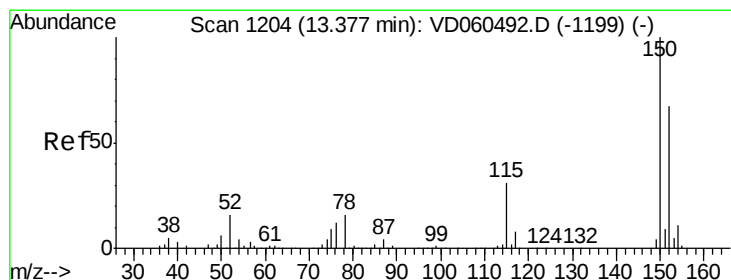
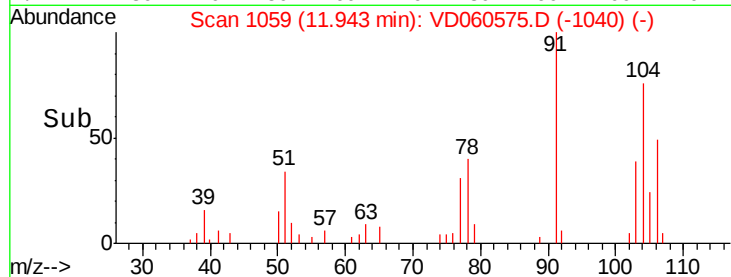
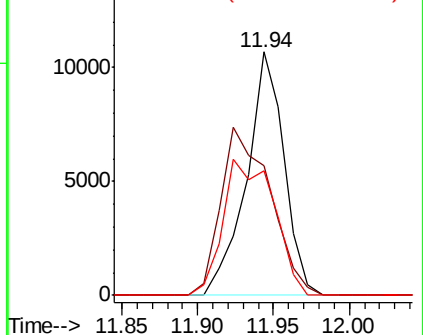
103 51.3 37.2 55.8



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.36 min Scan# 1203

Delta R.T. -0.02 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

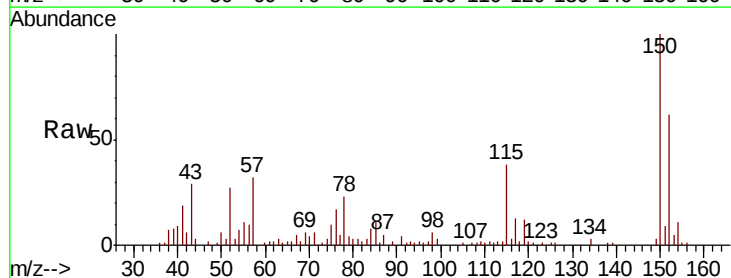
Tgt Ion:152 Resp: 65596

Ion Ratio Lower Upper

152 100

115 60.9 24.6 74.0

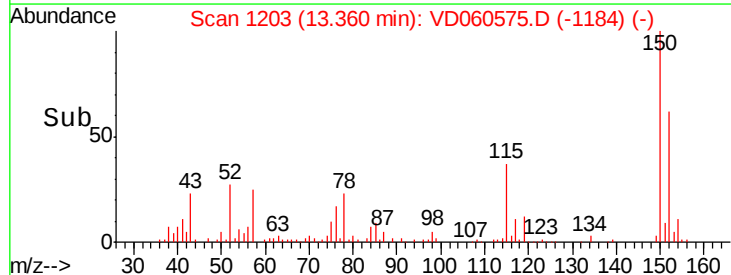
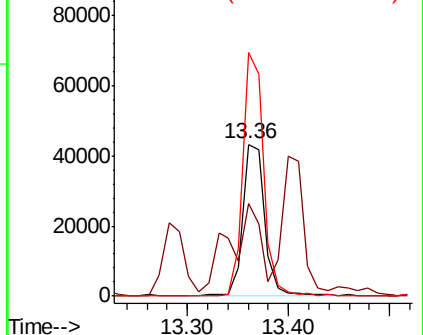
150 160.7 0.0 309.0

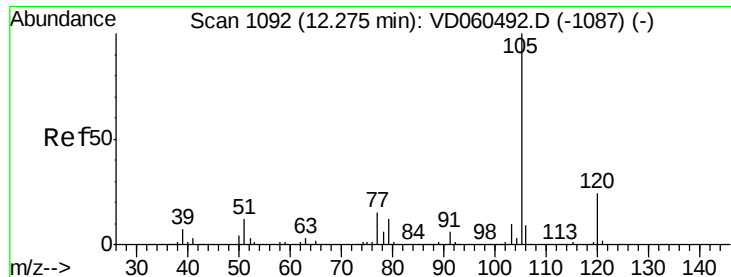


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 30.072 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.01 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

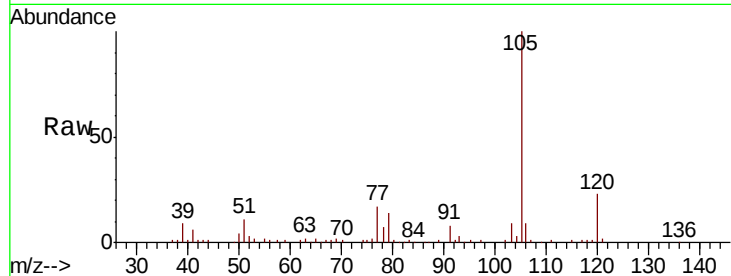
ClientSampleId :

Tot Ion:105 Resp: 139587

Ion Ratio Lower Upper

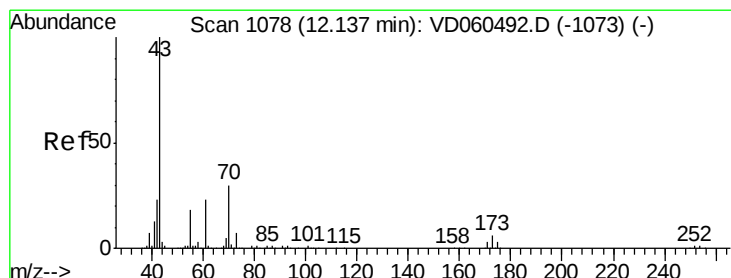
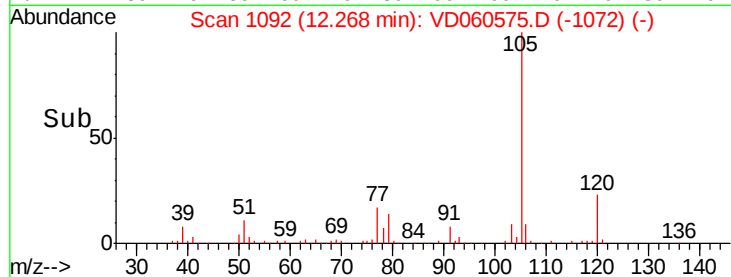
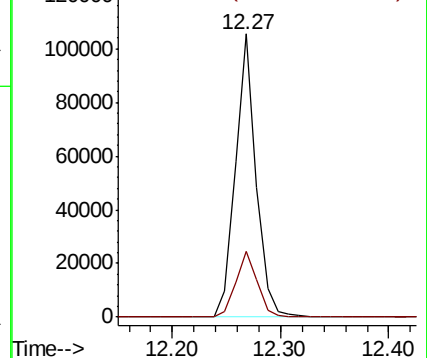
105 100

120 23.2 11.9 35.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 9.968 ug/l

RT: 12.19 min Scan# 1084

Delta R.T. 0.05 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Tgt Ion: 43 Resp: 11183

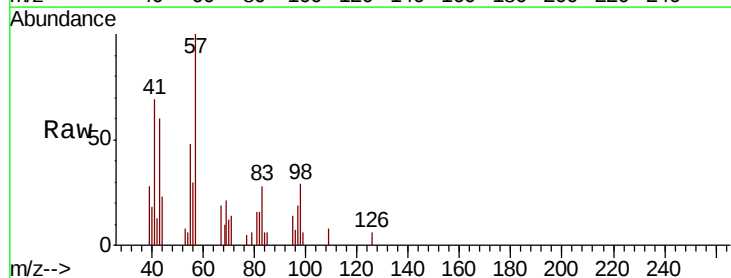
Ion Ratio Lower Upper

43 100

70 20.2 23.8 35.8#

55 79.9 14.2 21.2#

61 0.0 18.1 27.1#

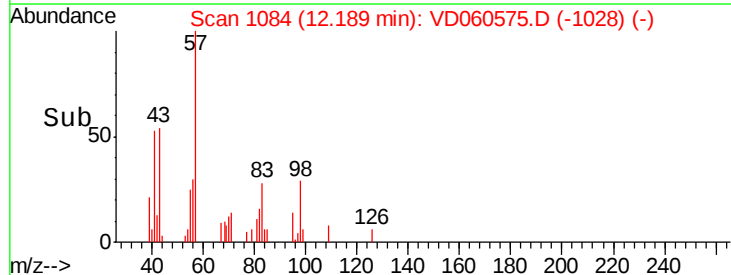
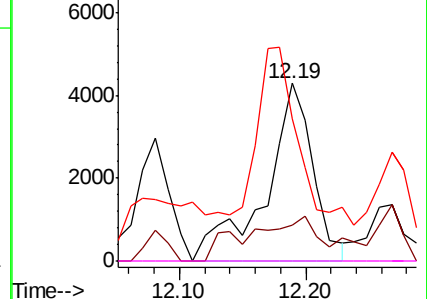


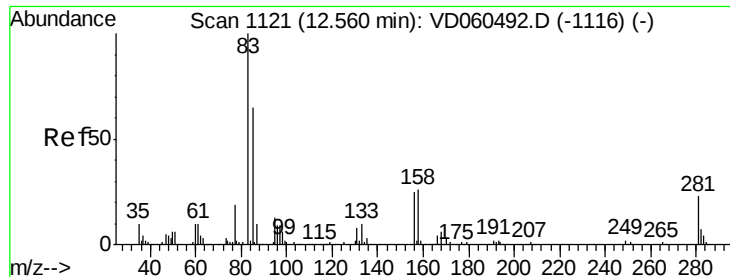
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 6.204 ug/l

RT: 12.57 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

ClientSampled :

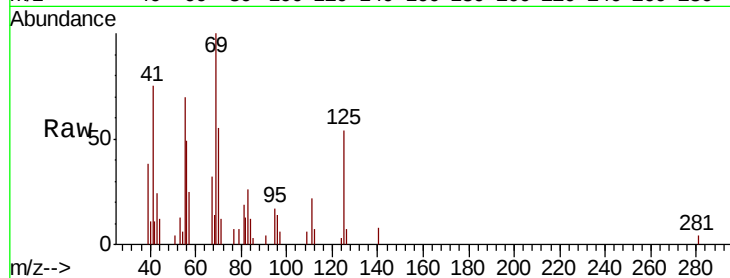
Tot Ion: 83 Resp: 4610

Ion Ratio Lower Upper

83 100

131 0.0 3.8 11.4#

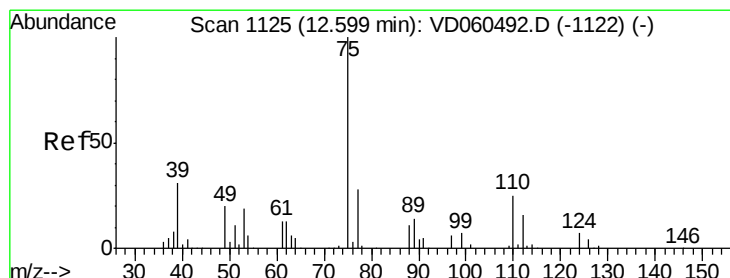
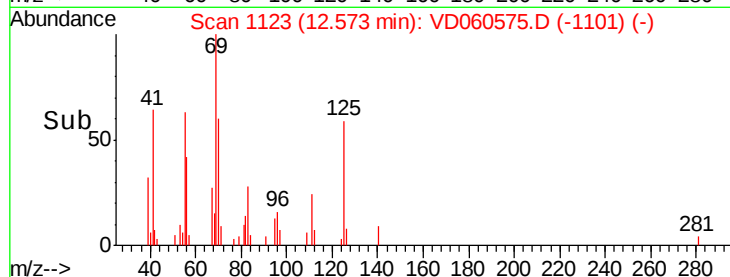
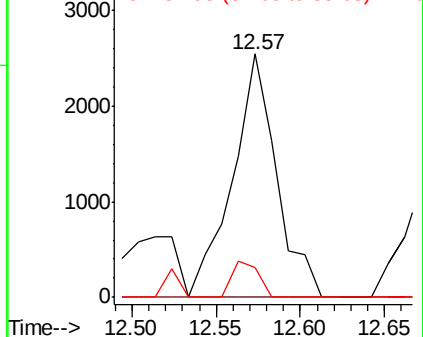
85 12.5 32.3 96.9#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 7.855 ug/l

RT: 12.73 min Scan# 1139

Delta R.T. 0.13 min

Lab File: VD060575.D

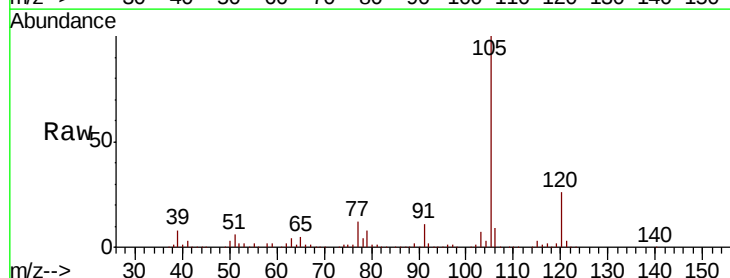
Acq: 14 Dec 2018 16:05

Tgt Ion: 75 Resp: 5838

Ion Ratio Lower Upper

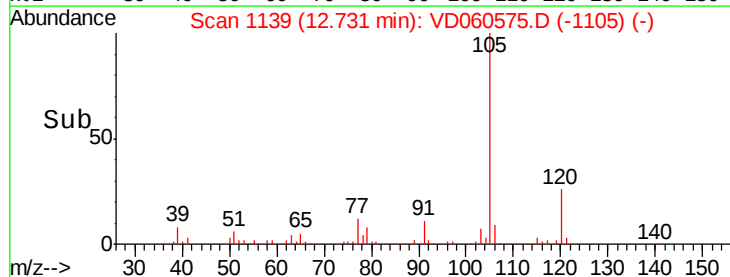
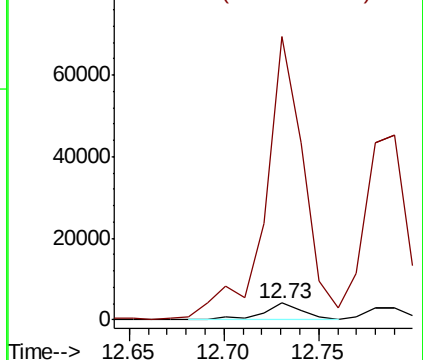
75 100

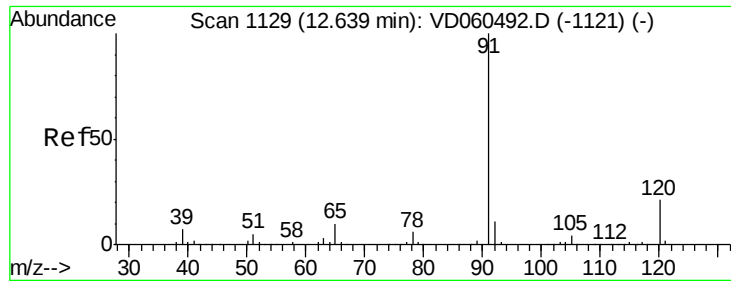
77 1657.5 16.4 49.4#



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

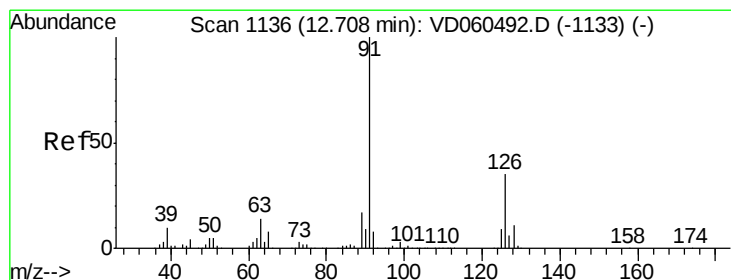
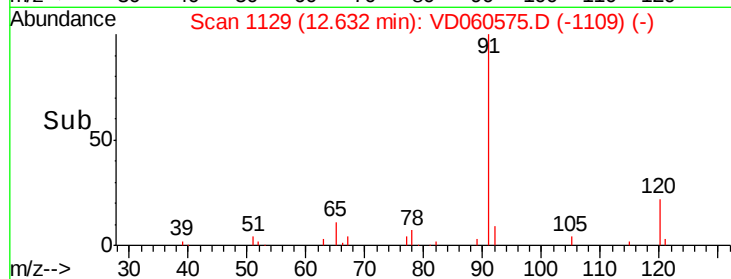
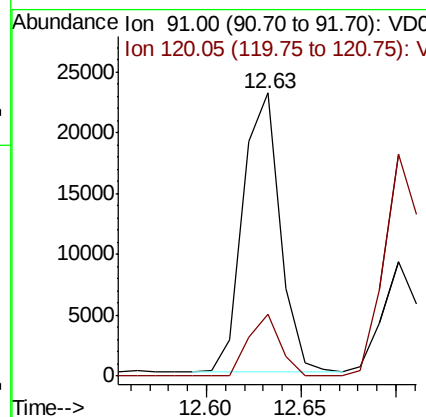
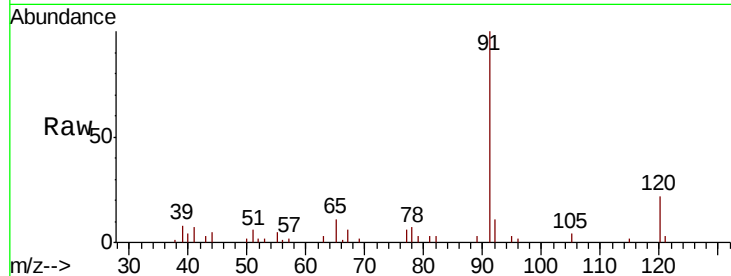




#78
n-propylbenzene
Concen: 5.298 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. -0.01 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

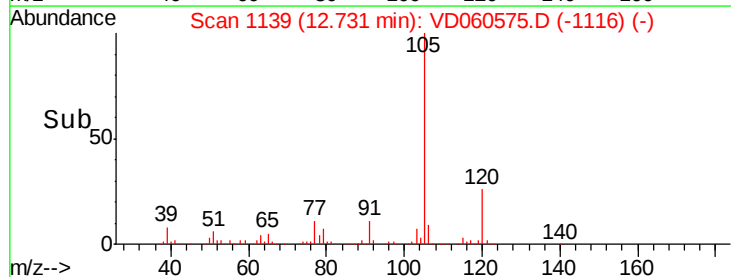
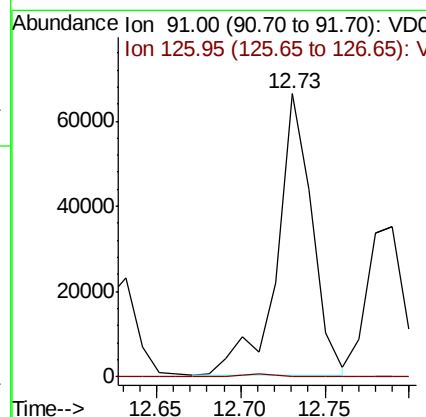
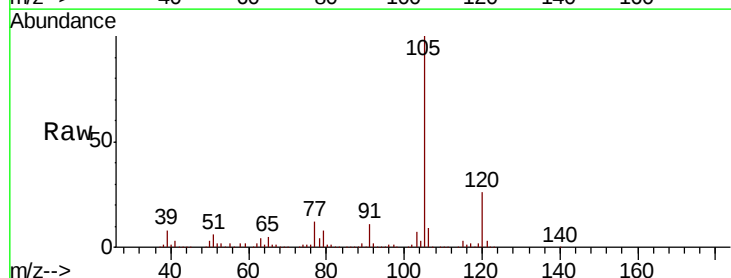
Instrument :
MSVOA_D
ClientSampled :

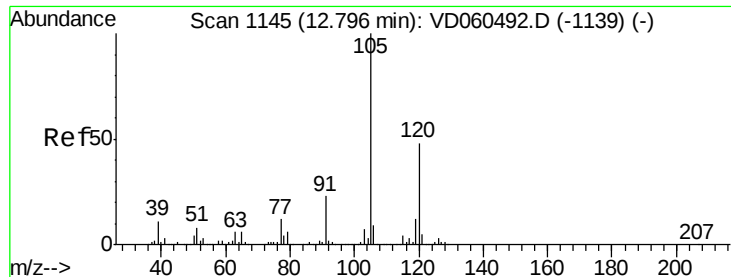
Tot Ion: 91 Resp: 31084
Ion Ratio Lower Upper
91 100
120 21.9 10.4 31.1



#79
2-Chlorotoluene
Concen: 30.067 ug/l
RT: 12.73 min Scan# 1139
Delta R.T. 0.02 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion: 91 Resp: 95732
Ion Ratio Lower Upper
91 100
126 0.0 17.3 52.0#





#80

1,3,5-Trimethylbenzene

Concen: 146.183 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

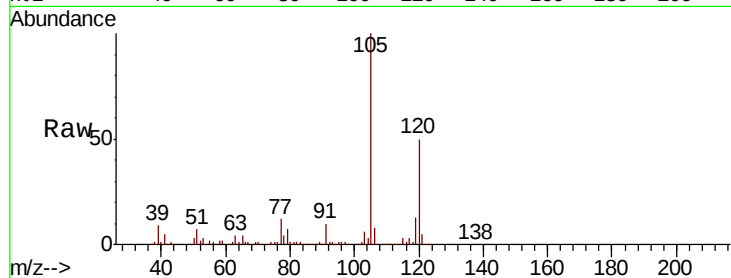
ClientSampled :

Tot Ion:105 Resp: 518495

Ion Ratio Lower Upper

105 100

120 49.7 24.2 72.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

600000

400000

200000

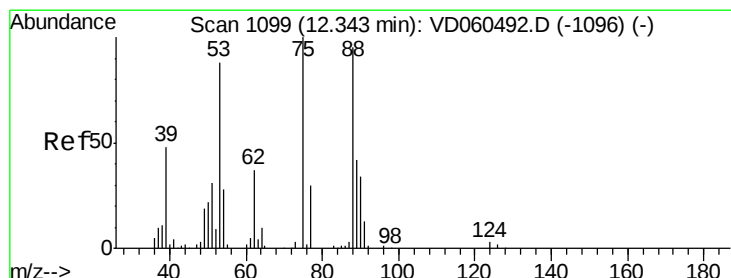
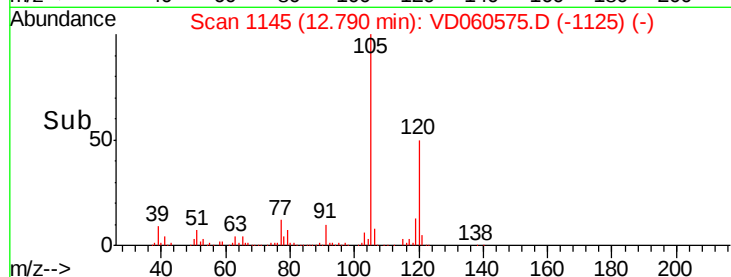
0

12.79

12.80

12.90

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 124.278 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.07 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

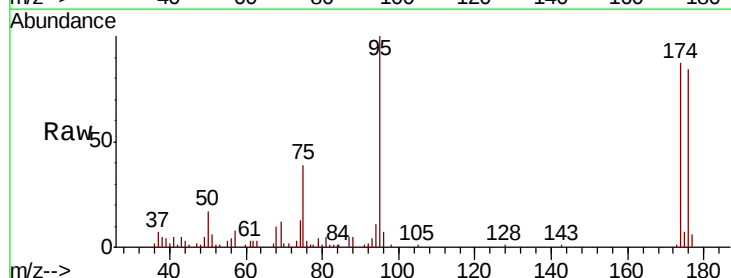
Tgt Ion: 75 Resp: 25762

Ion Ratio Lower Upper

75 100

53 2.5 70.5 105.7#

89 0.0 33.6 50.4#



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

25000

20000

15000

10000

5000

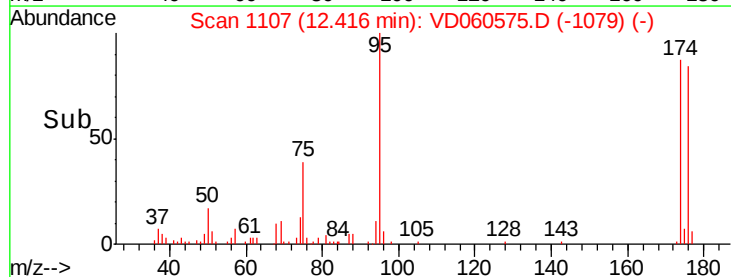
0

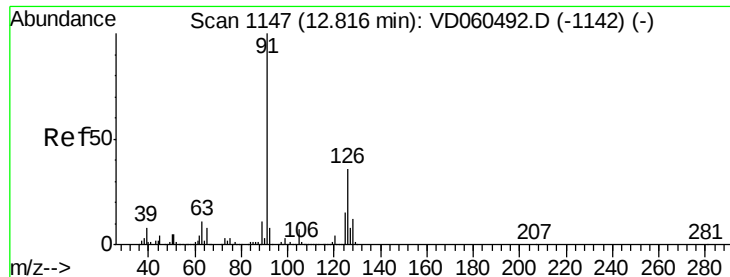
12.42

12.35

12.45

Time-->

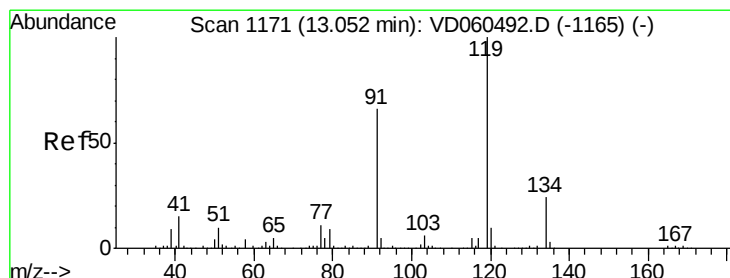
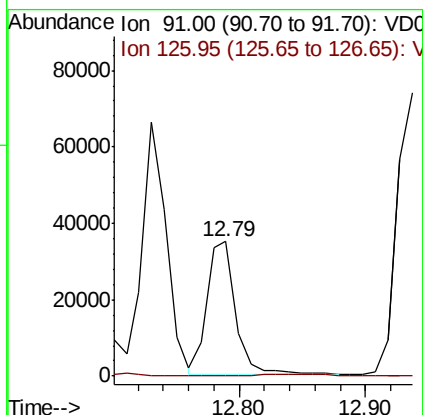
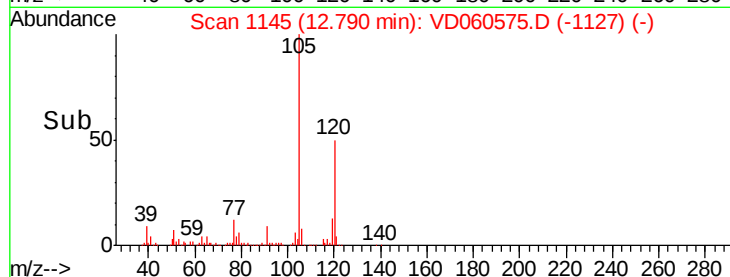
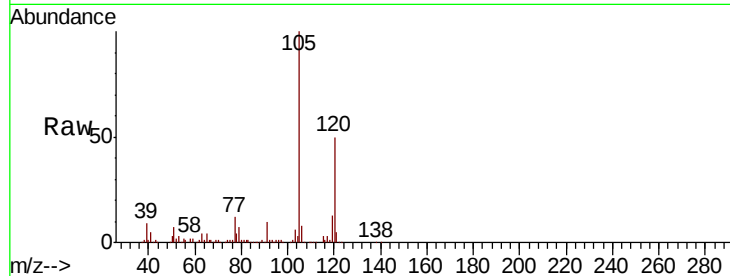




#82
4-Chlorotoluene
Concen: 15.488 ug/l
RT: 12.79 min Scan# 1145
Delta R.T. -0.03 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

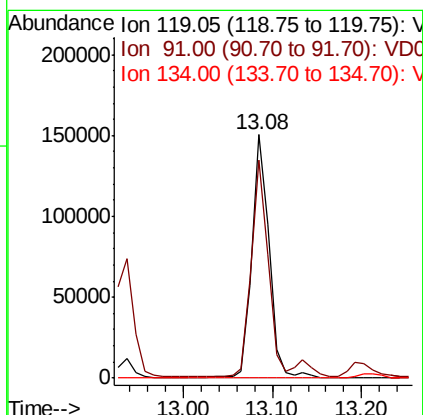
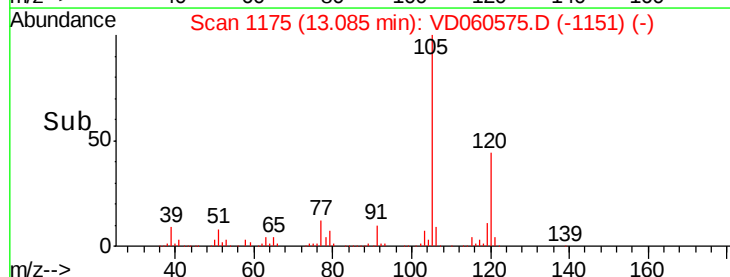
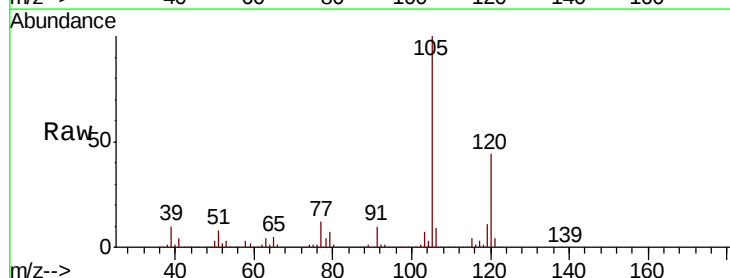
Instrument :
MSVOA_D
ClientSampled :

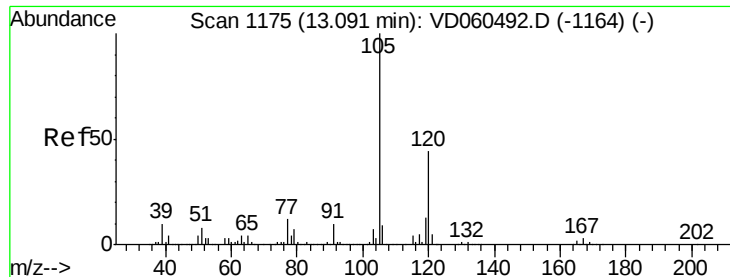
Tot Ion: 91 Resp: 55387
Ion Ratio Lower Upper
91 100
126 0.0 17.8 53.4#



#83
tert-Butylbenzene
Concen: 50.600 ug/l
RT: 13.08 min Scan# 1175
Delta R.T. 0.03 min
Lab File: VD060575.D
Acq: 14 Dec 2018 16:05

Tgt Ion: 119 Resp: 201229
Ion Ratio Lower Upper
119 100
91 89.4 33.1 99.2
134 0.0 12.0 36.0#





#84

1,2,4-Trimethylbenzene

Concen: 467.114 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.01 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

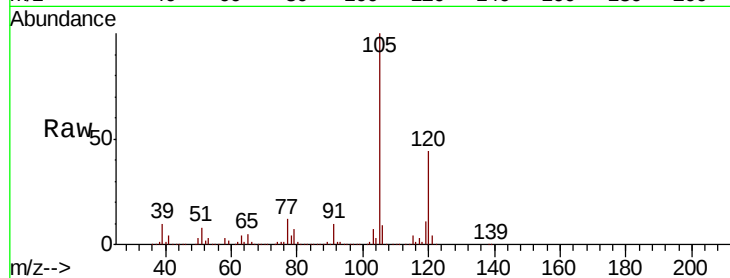
ClientSampleId :

Tot Ion:105 Resp: 1715523

Ion Ratio Lower Upper

105 100

120 44.2 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.08

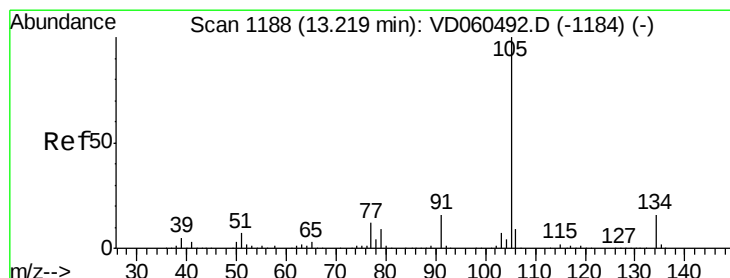
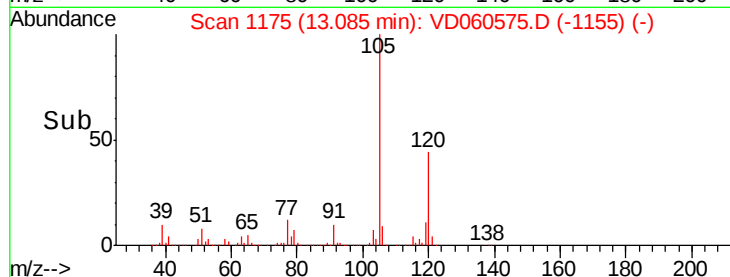
1500000

1000000

500000

0

Time-->



#85

sec-Butylbenzene

Concen: 346.102 ug/l

RT: 13.08 min Scan# 1175

Delta R.T. -0.13 min

Lab File: VD060575.D

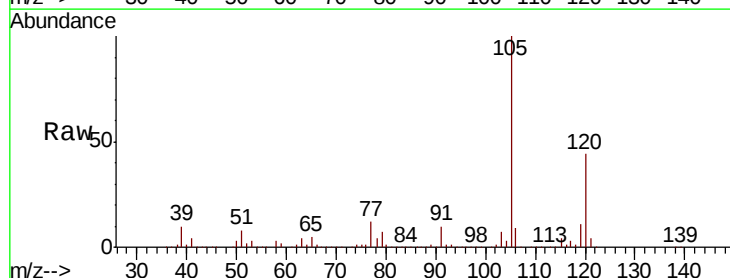
Acq: 14 Dec 2018 16:05

Tgt Ion:105 Resp: 1715523

Ion Ratio Lower Upper

105 100

134 0.0 7.9 23.7#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.08

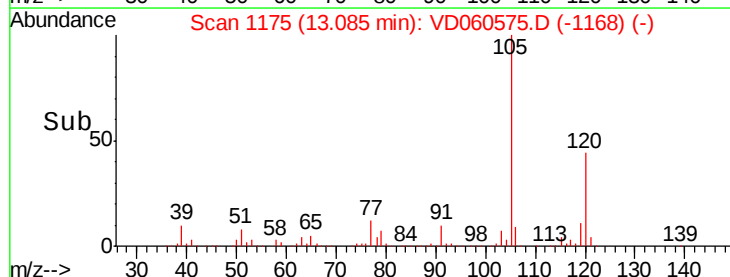
1500000

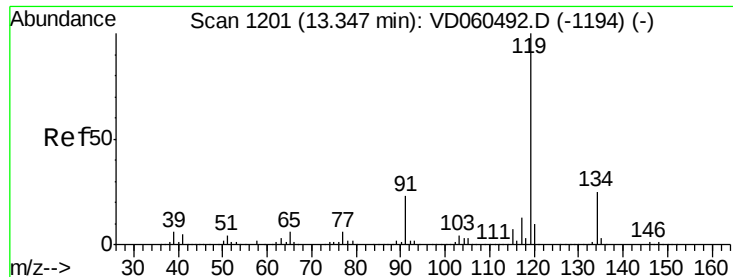
1000000

500000

0

Time-->

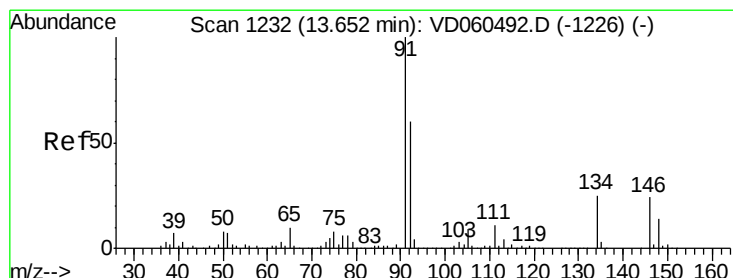
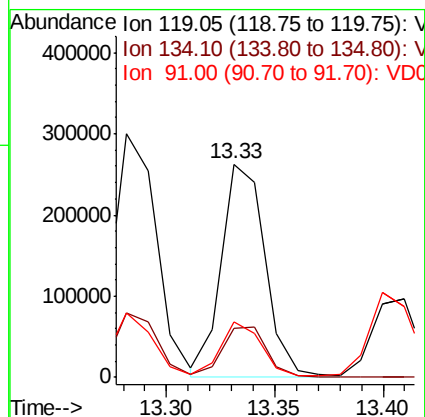
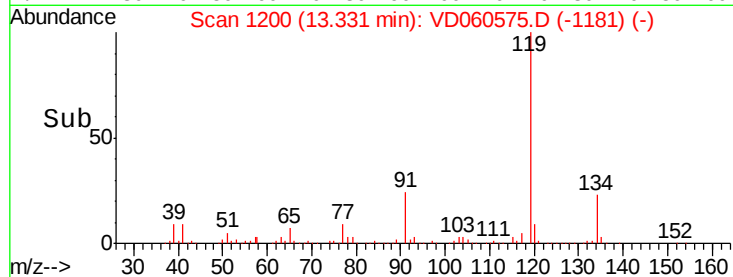
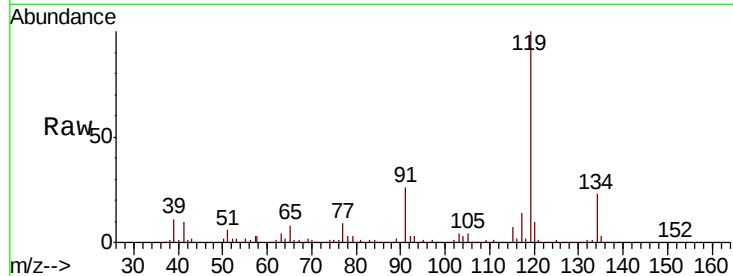




#86
 p-Isopropyltoluene
 Concen: 94.230 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.02 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

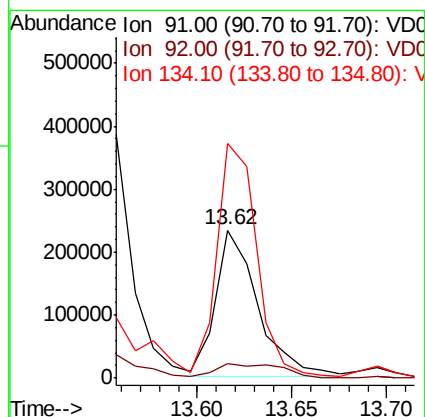
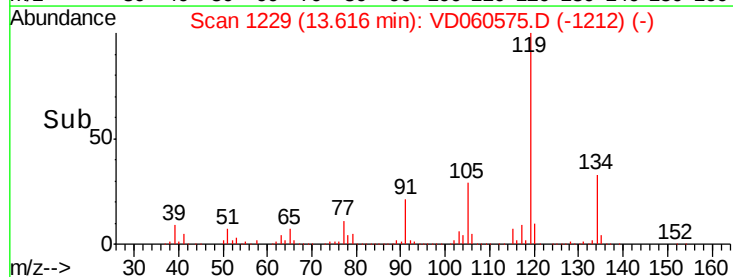
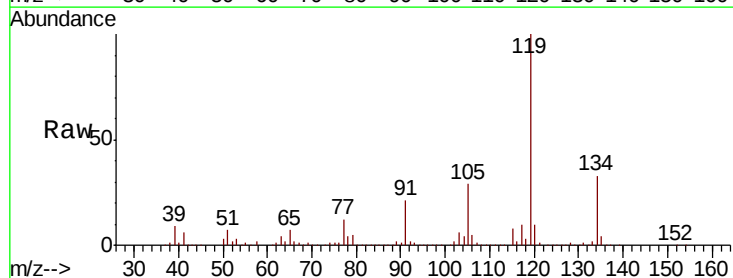
Instrument :
 MSVOA_D
 ClientSampleID :

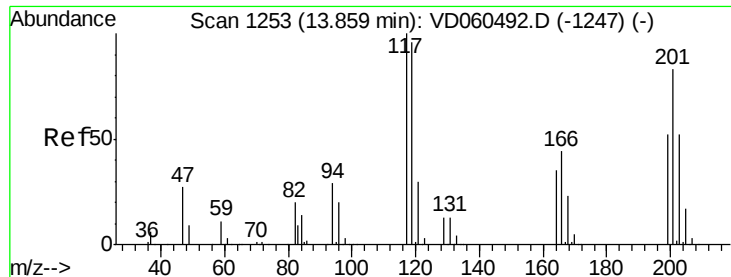
Tot Ion:119 Resp: 370249
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.5 37.5
 91 26.2 11.5 34.4



#89
 n-Butylbenzene
 Concen: Below Cal
 RT: 13.62 min Scan# 1229
 Delta R.T. -0.04 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

Tgt Ion: 91 Resp: 364404
 Ion Ratio Lower Upper
 91 100
 92 10.1 30.0 90.1#
 134 158.8 12.5 37.5#





#90

Hexachloroethane

Concen: 145.365 ug/l

RT: 13.84 min Scan# 1252

Delta R.T. -0.02 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

Instrument :

MSVOA_D

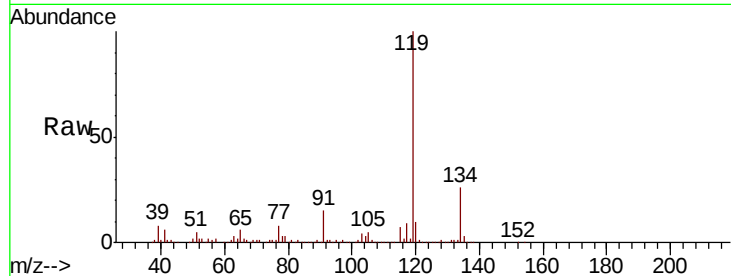
ClientSampleId :

Tot Ion:117 Resp: 143208

Ion Ratio Lower Upper

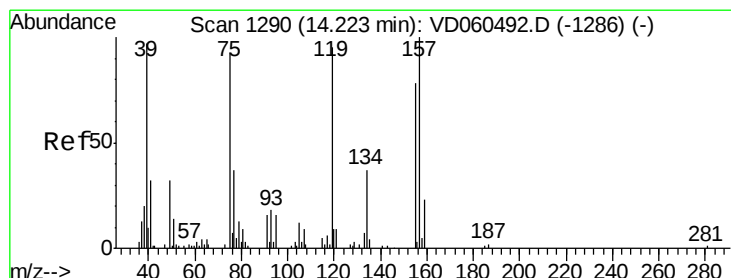
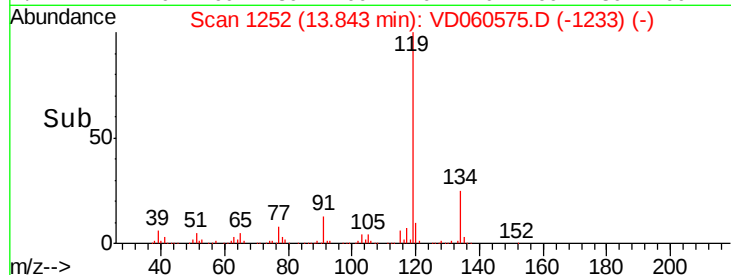
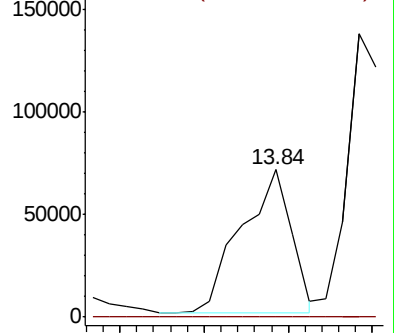
117 100

201 0.0 41.3 123.9#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 176.539 ug/l

RT: 14.22 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VD060575.D

Acq: 14 Dec 2018 16:05

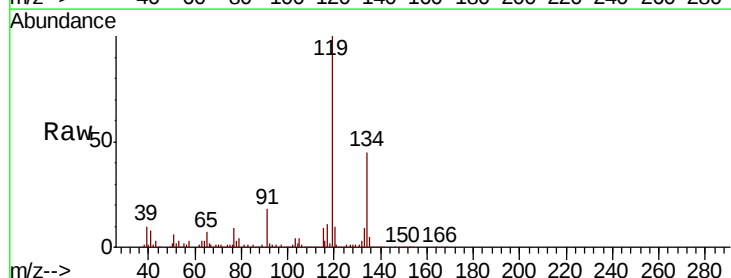
Tgt Ion: 75 Resp: 15896

Ion Ratio Lower Upper

75 100

155 0.0 41.6 124.9#

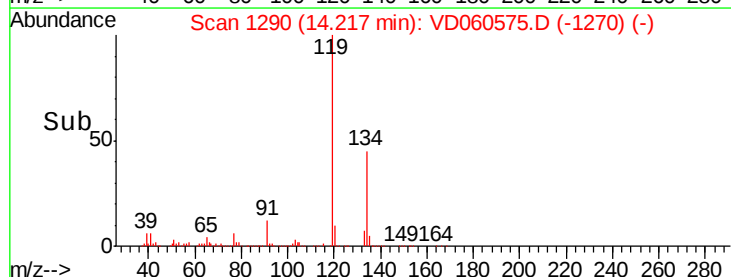
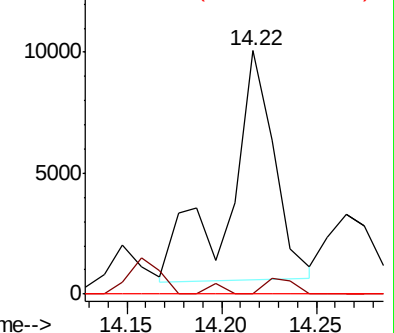
157 0.0 53.6 160.8#

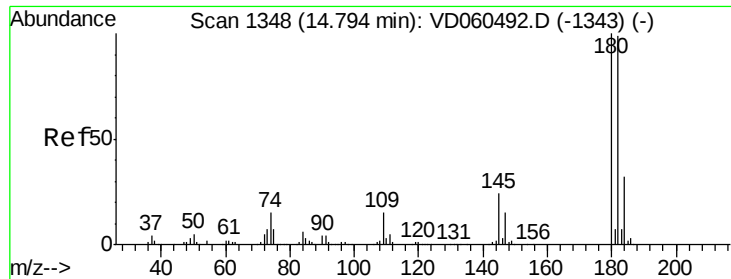


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

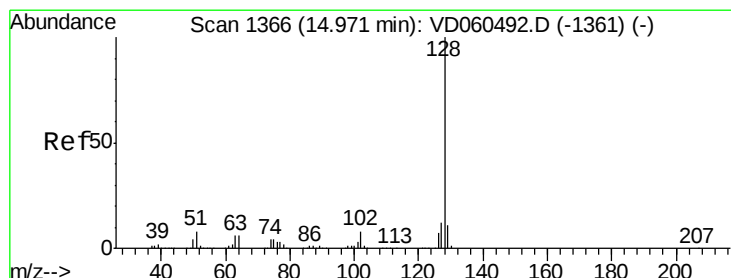
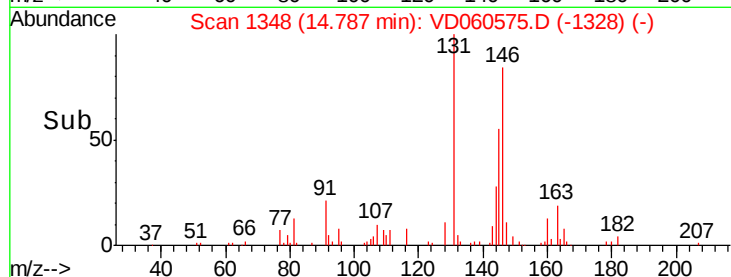
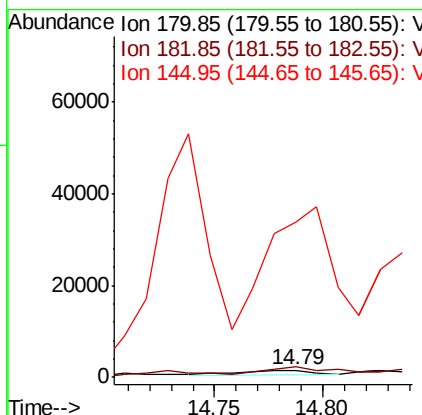
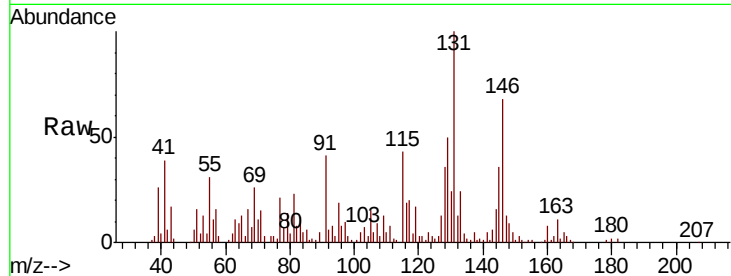




#93
 1,2,4-Trichlorobenzene
 Concen: 2.057 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

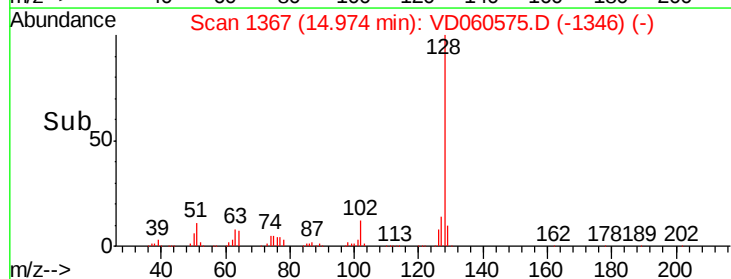
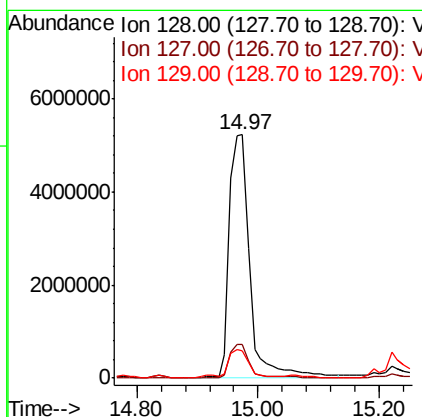
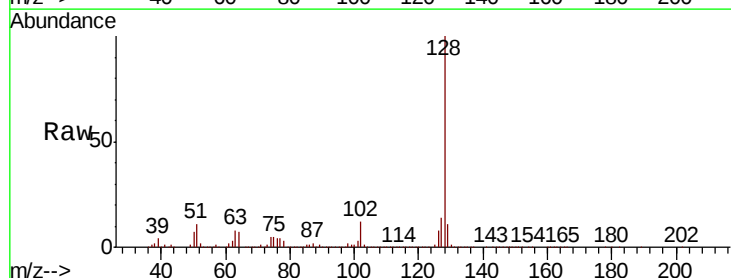
Instrument :
 MSVOA_D
 ClientSampleId :

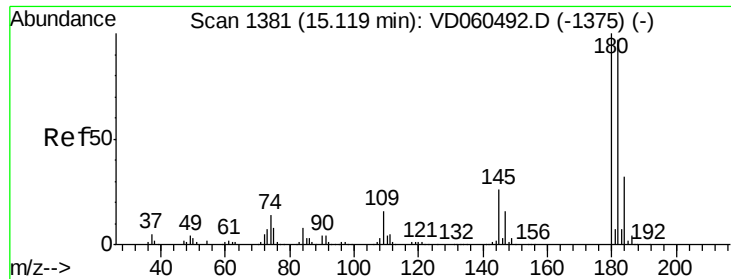
Tot Ion:180 Resp: 2903
 Ion Ratio Lower Upper
 180 100
 182 142.5 49.4 148.0
 145 2161.0 11.9 35.9#



#95
 Naphthalene
 Concen: 7357.688 ug/l
 RT: 14.97 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

Tgt Ion:128 Resp:12353349
 Ion Ratio Lower Upper
 128 100
 127 13.8 9.8 14.8
 129 11.3 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 4.019 ug/l
 RT: 15.13 min Scan# 1383
 Delta R.T. 0.01 min
 Lab File: VD060575.D
 Acq: 14 Dec 2018 16:05

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 4519
 Ion Ratio Lower Upper
 180 100
 182 35.7 48.5 145.5#
 145 719.5 12.9 38.7#

