

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121918\
 Data File : VD060635.D
 Acq On : 19 Dec 2018 12:46
 Operator : VA/AP
 Sample : J6196-07
 Misc : 6.6µl/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 20 00:27:33 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	6.41	168	1863292	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	7.44	114	2578044	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.28	117	1893623	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	710547	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.78	65	512165	38.78	ug/l	-0.01
Spiked Amount			Recovery	=	77.56%	
35) Dibromofluoromethane	6.33	113	719332	37.99	ug/l	0.00
Spiked Amount			Recovery	=	75.98%	
50) Toluene-d8	9.45	98	1912146	34.89	ug/l	-0.01
Spiked Amount			Recovery	=	69.78%	
62) 4-Bromofluorobenzene	12.42	95	599134	30.56	ug/l	-0.01
Spiked Amount			Recovery	=	61.12%	

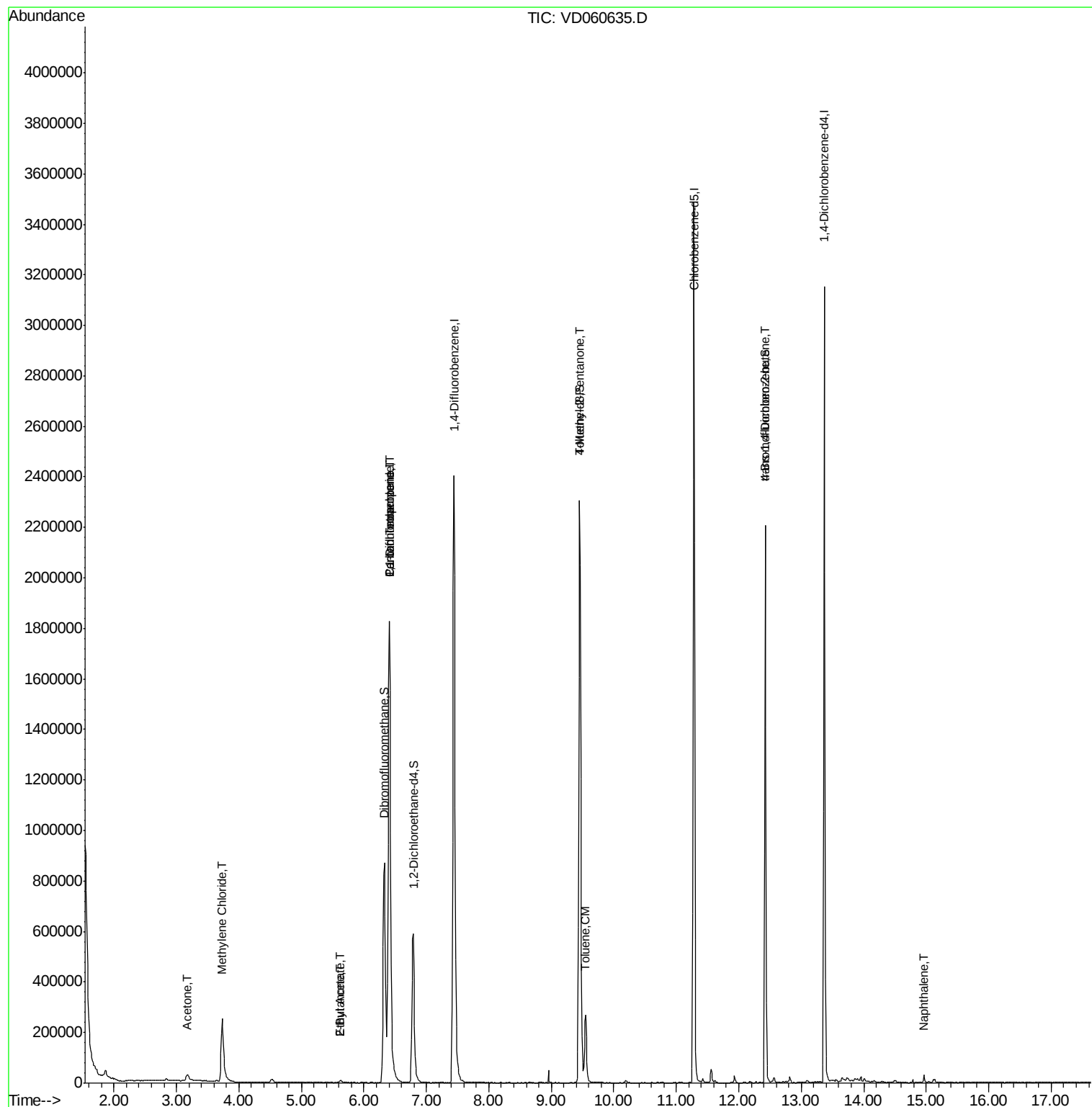
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.61	85	255	Below Cal	#	41
16) Acetone	3.17	43	64178	30.316	ug/l	96
20) Methylene Chloride	3.73	84	168284	4.596	ug/l	97
25) 2-Butanone	5.62	43	16784	4.030	ug/l	96
31) Cyclohexane	6.41	56	35626	Below Cal	#	1
36) 1,1-Dichloropropene	6.41	75	134057	5.320	ug/l	# 46
37) Ethyl Acetate	5.62	43	16784	1.536	ug/l	# 68
38) Carbon Tetrachloride	6.41	117	144426	6.384	ug/l	# 15
51) 4-Methyl-2-Pentanone	9.45	43	10342	1.232	ug/l	# 1
52) Toluene	9.55	92	137613	3.419	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.42	75	242704	108.087	ug/l	# 14
89) n-Butylbenzene	13.64	91	2456	Below Cal	#	79
95) Naphthalene	14.96	128	19106	1.051	ug/l	98

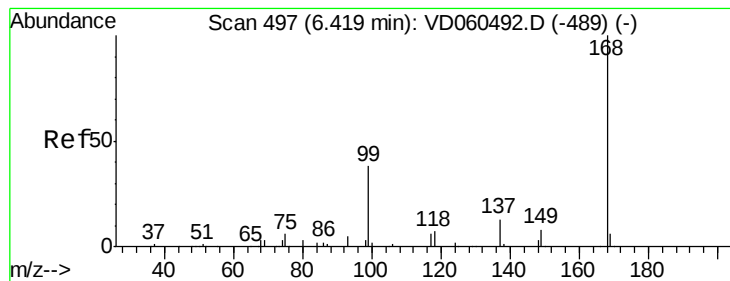
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD121918\
Data File : VD060635.D
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Misc : 6.6a/5ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 20 00:27:33 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 06 01:49:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.01 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

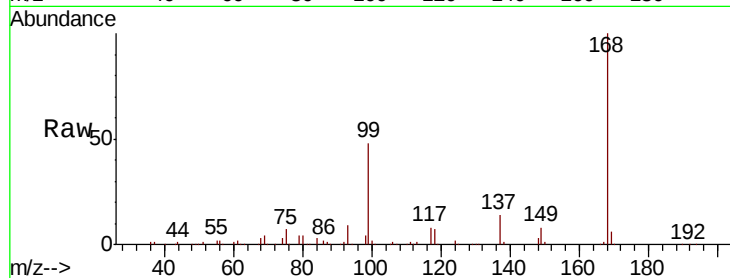
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 1863292

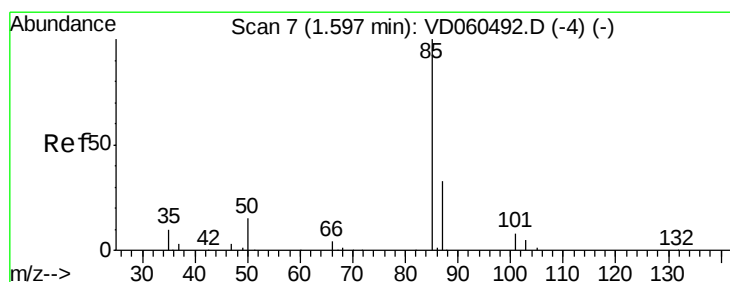
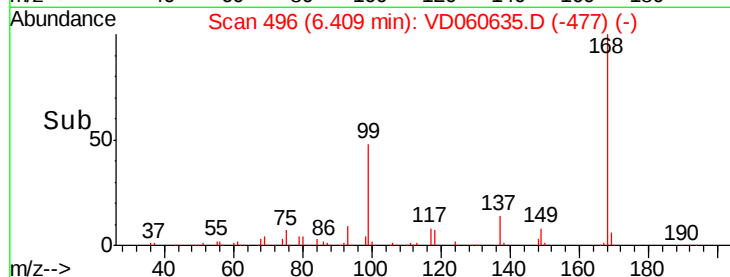
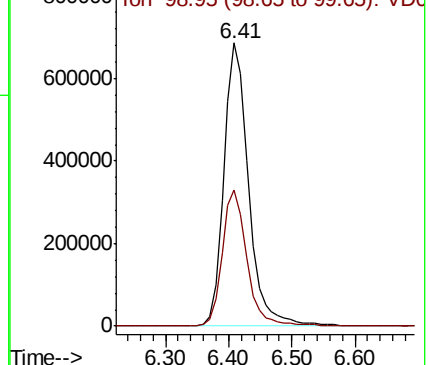
Ion Ratio Lower Upper

168 100

99 48.1 35.6 53.4



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.61 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060635.D

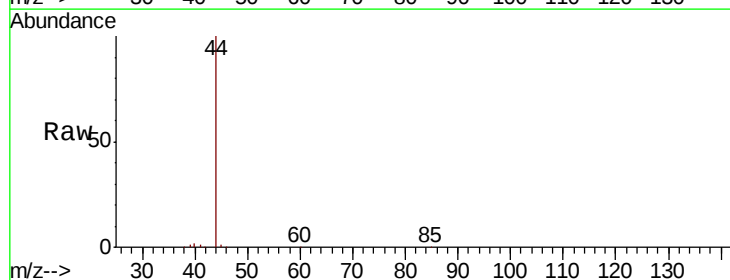
Acq: 19 Dec 2018 12:46

Tgt Ion: 85 Resp: 255

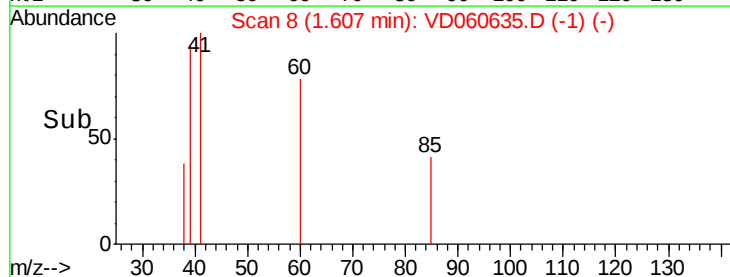
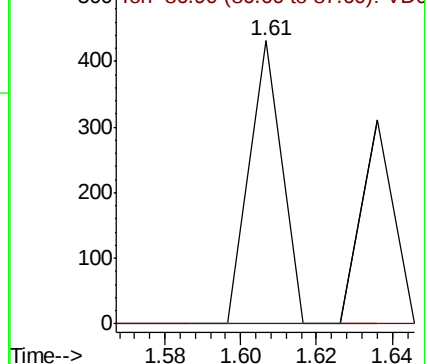
Ion Ratio Lower Upper

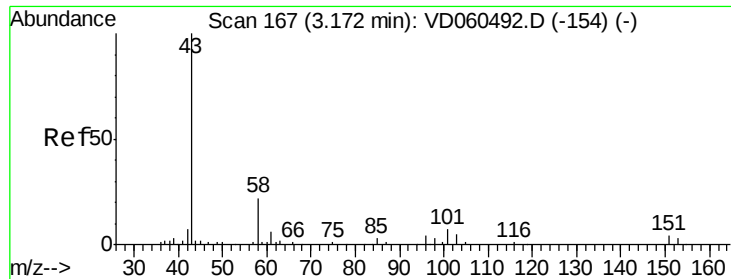
85 100

87 0.0 16.7 50.0#



Abundance Ion 84.95 (84.65 to 85.65): VDC
Ion 86.90 (86.60 to 87.60): VDC

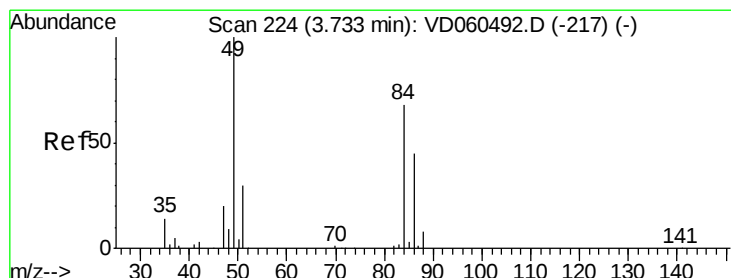
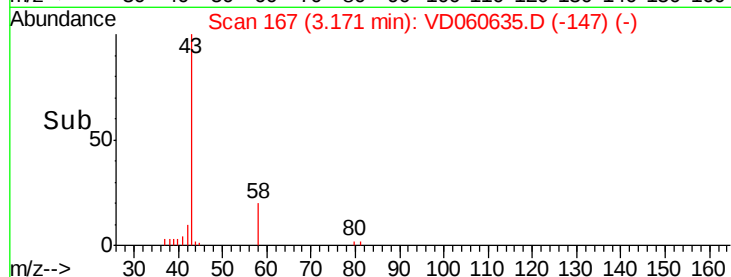
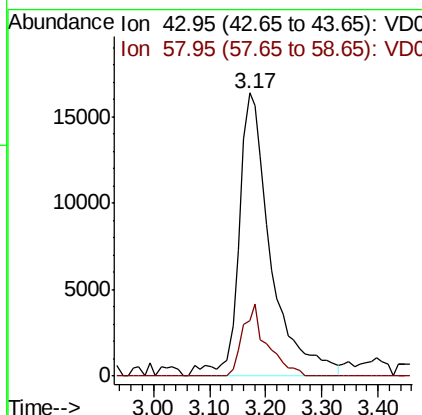
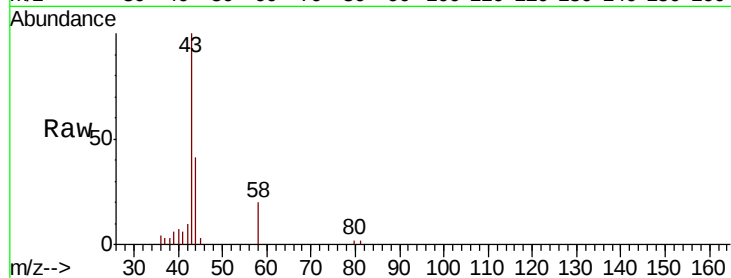




#16
Acetone
Concen: 30.316 ug/l
RT: 3.17 min Scan# 167
Delta R.T. -0.00 min
Lab File: VD060635.D
Acq: 19 Dec 2018 12:46

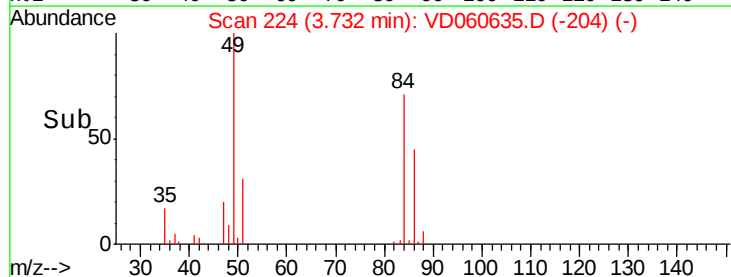
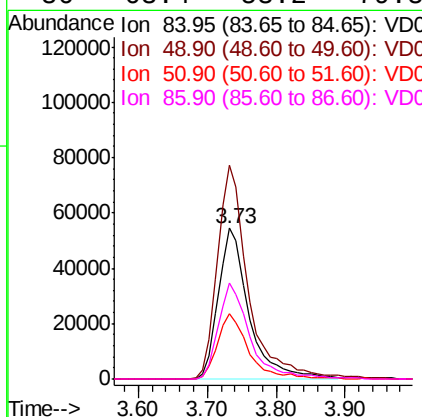
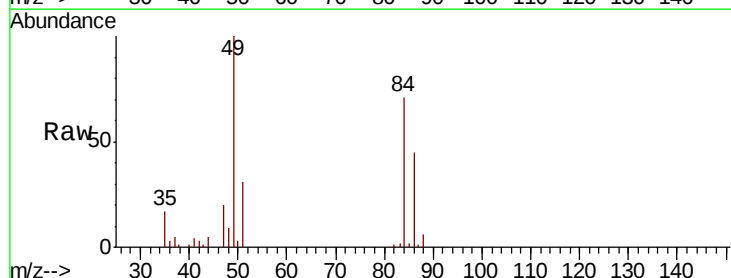
Instrument :
MSVOA_D
ClientSampleId :

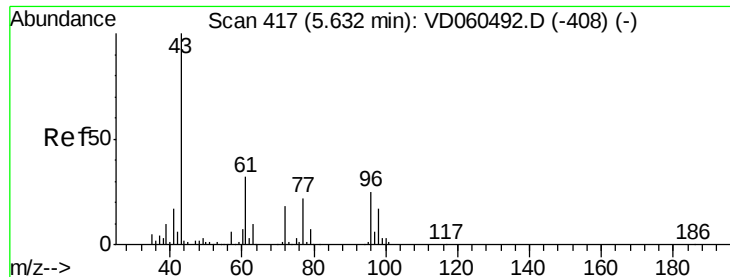
Tot Ion: 43 Resp: 64178
Ion Ratio Lower Upper
43 100
58 19.8 17.3 25.9



#20
Methylene Chloride
Concen: 4.596 ug/l
RT: 3.73 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD060635.D
Acq: 19 Dec 2018 12:46

Tgt Ion: 84 Resp: 168284
Ion Ratio Lower Upper
84 100
49 141.7 117.2 175.8
51 43.5 35.3 52.9
86 63.4 53.2 79.8





#25

2-Butanone

Concen: 4.030 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.01 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

Instrument :

MSVOA_D

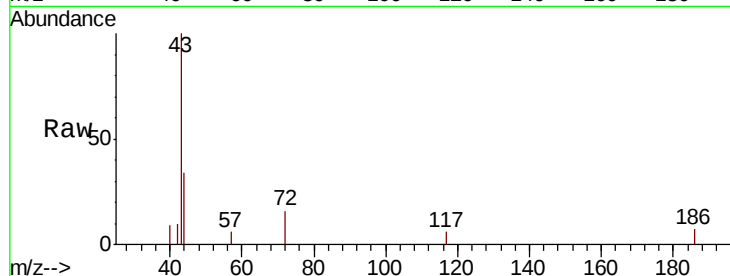
ClientSampleId :

Tot Ion: 43 Resp: 16784

Ion Ratio Lower Upper

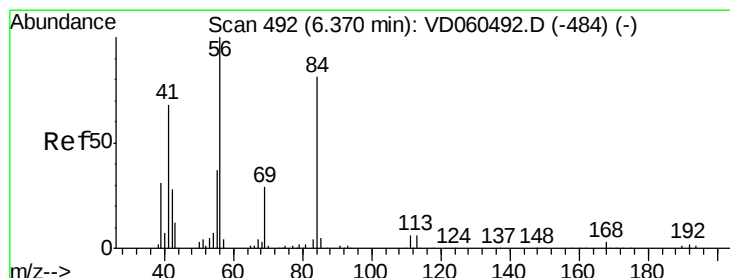
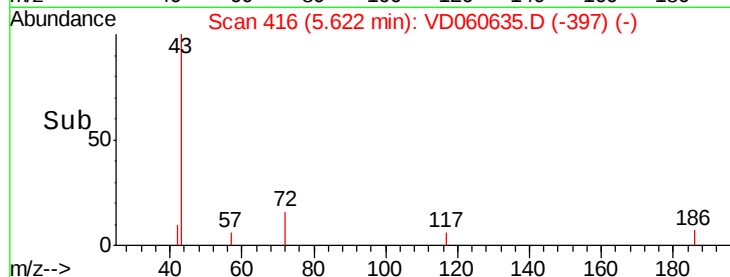
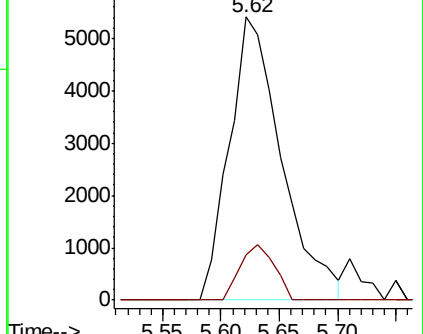
43 100

72 16.2 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: Below Cal

RT: 6.41 min Scan# 496

Delta R.T. 0.04 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

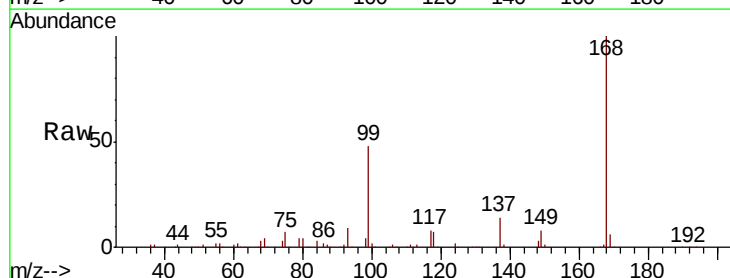
Tgt Ion: 56 Resp: 35626

Ion Ratio Lower Upper

56 100

69 195.5 22.8 34.2#

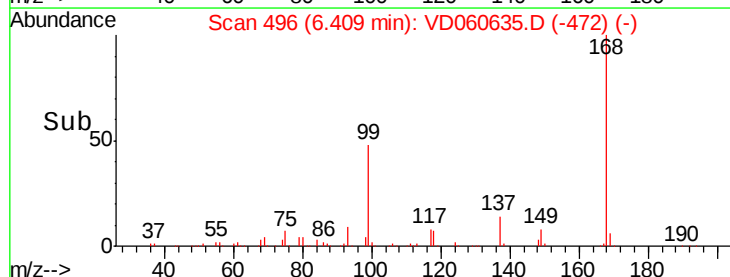
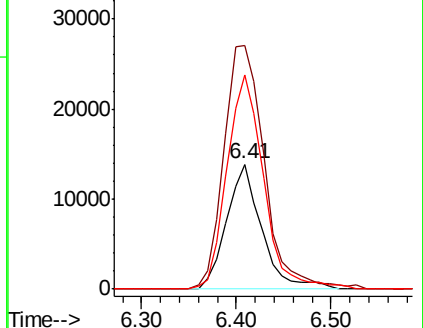
84 172.1 65.1 97.7#

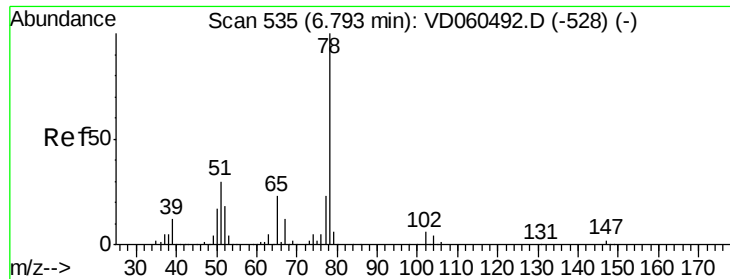


Abundance Ion 55.95 (55.65 to 56.65): VDC

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: 6.78 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

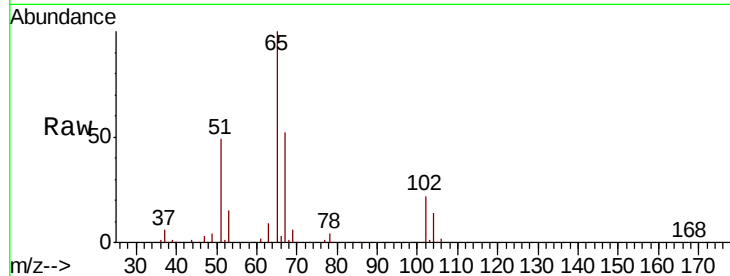
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 65 Resp: 512165

Ion Ratio Lower Upper

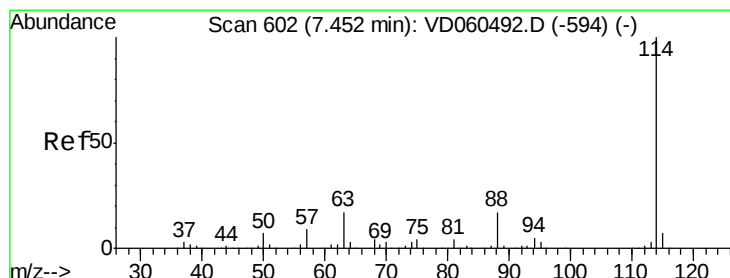
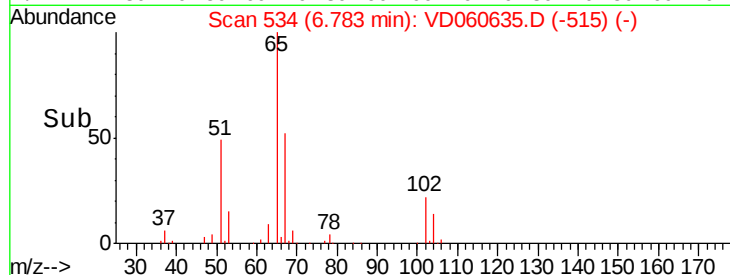
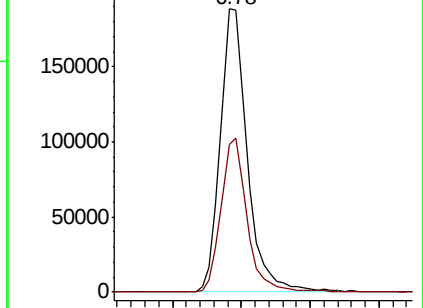
65 100

67 52.0 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: 7.44 min Scan# 601

Delta R.T. -0.01 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

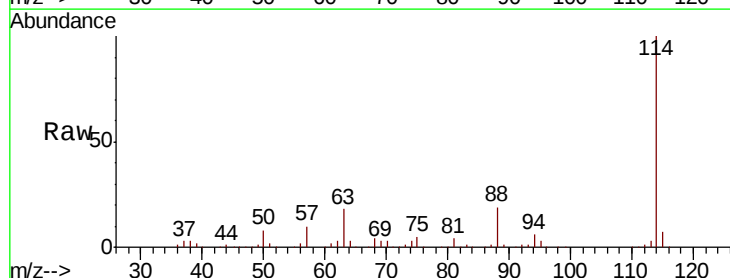
Tgt Ion:114 Resp: 2578044

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.2

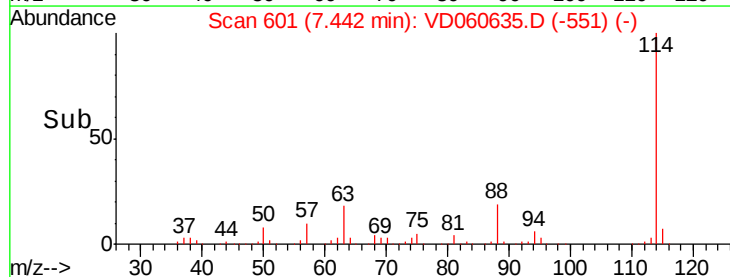
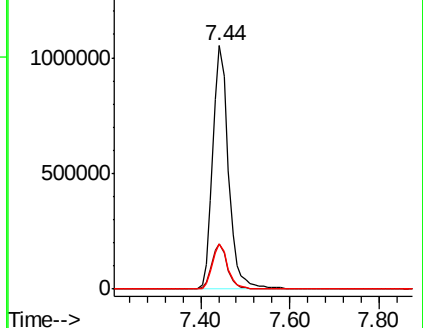
88 18.6 0.0 35.0

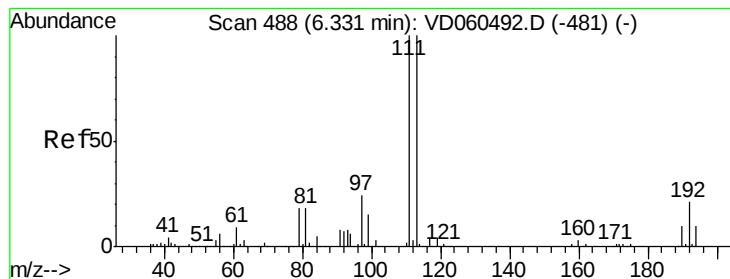


Abundance Ion 114.00 (113.70 to 114.70): V

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: 6.33 min Scan# 488

Delta R.T. -0.00 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :

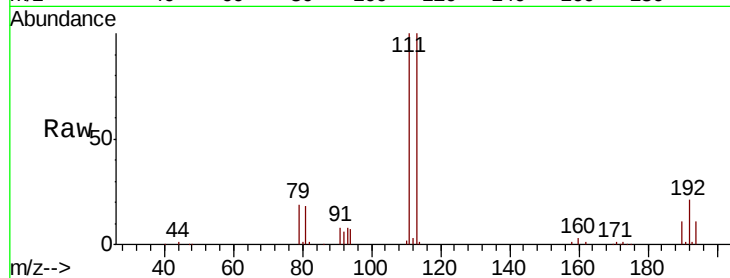
Tot Ion:113 Resp: 719332

Ion Ratio Lower Upper

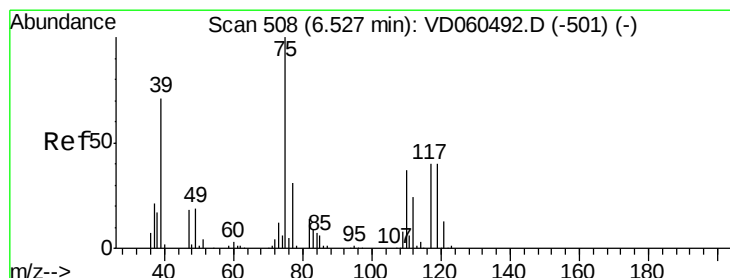
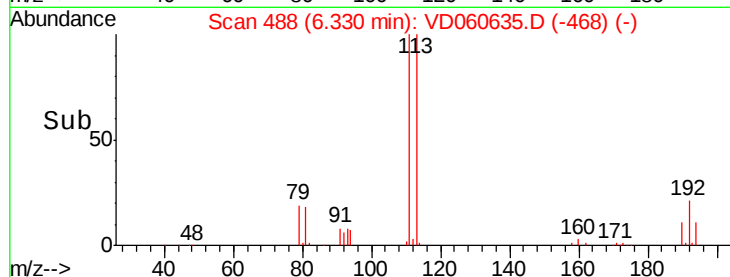
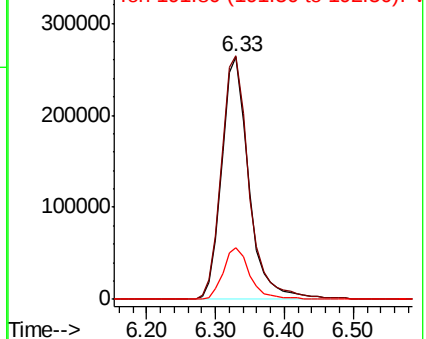
113 100

111 100.4 80.2 120.4

192 21.4 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: 5.320 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.12 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

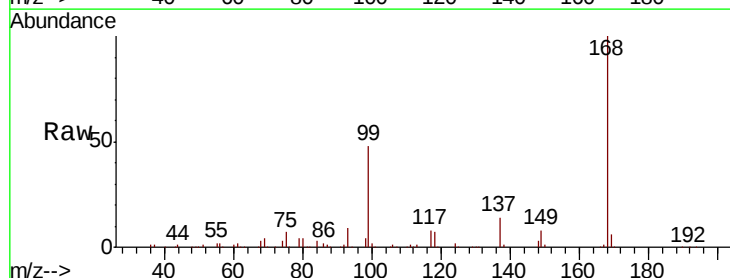
Tgt Ion: 75 Resp: 134057

Ion Ratio Lower Upper

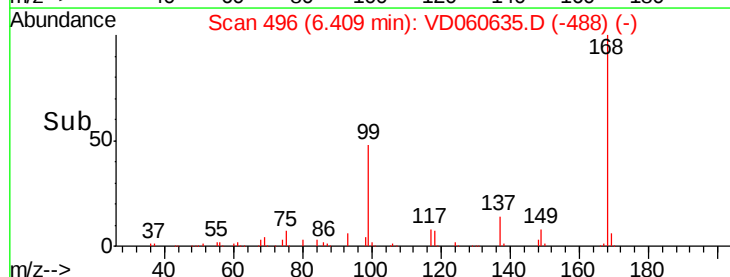
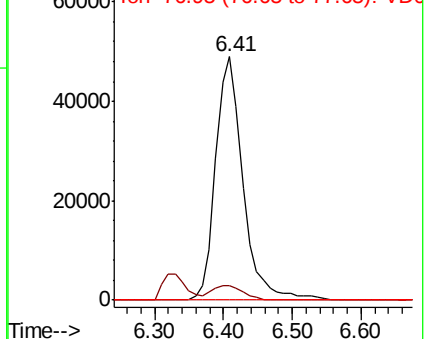
75 100

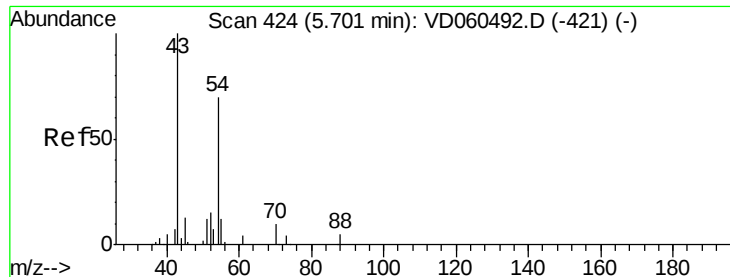
110 5.9 18.3 54.8#

77 0.0 24.6 37.0#



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





#37

Ethyl Acetate

Concen: 1.536 ug/l

RT: 5.62 min Scan# 416

Delta R.T. -0.08 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

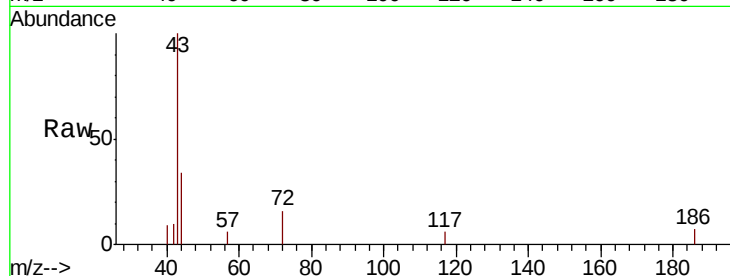
Tot Ion: 43 Resp: 16784

Ion Ratio Lower Upper

43 100

61 0.0 12.4 18.6#

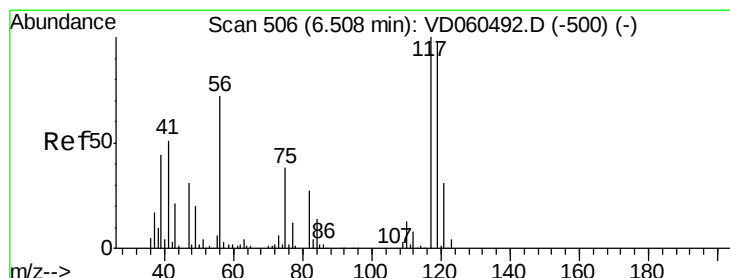
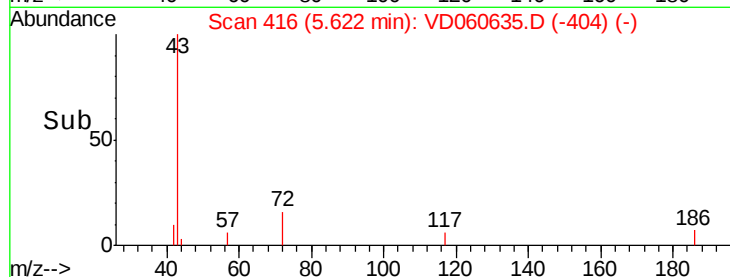
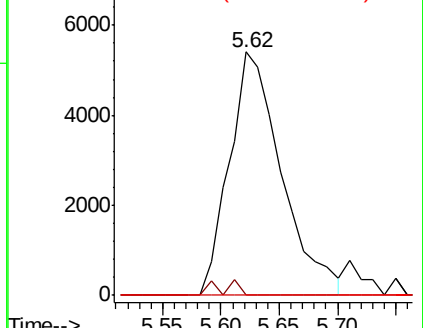
70 0.0 5.4 8.0#



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 60.95 (60.65 to 61.65): V

Ion 70.00 (69.70 to 70.70): V



#38

Carbon Tetrachloride

Concen: 6.384 ug/l

RT: 6.41 min Scan# 496

Delta R.T. -0.10 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

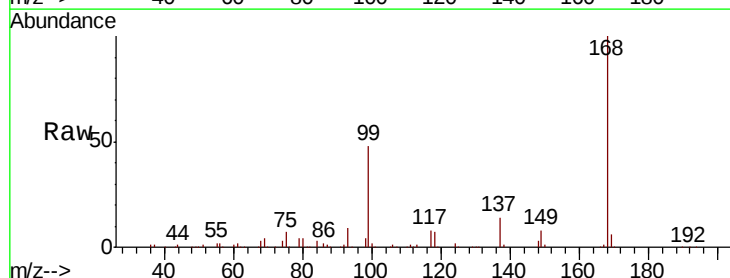
Tgt Ion: 117 Resp: 144426

Ion Ratio Lower Upper

117 100

119 4.1 76.8 115.2#

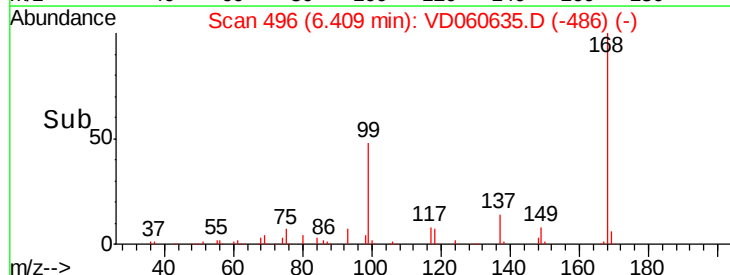
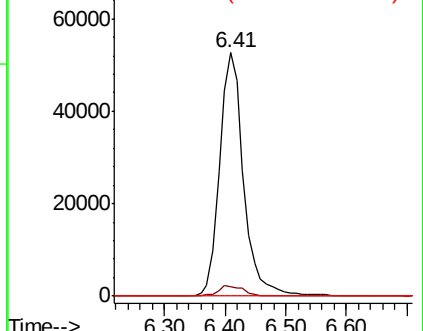
121 0.0 24.4 36.6#

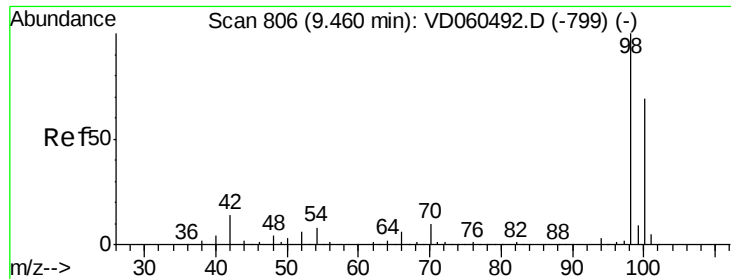


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

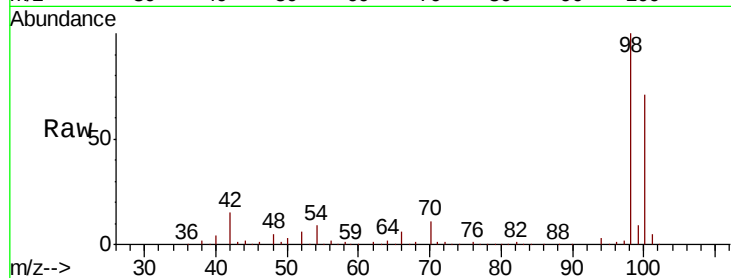




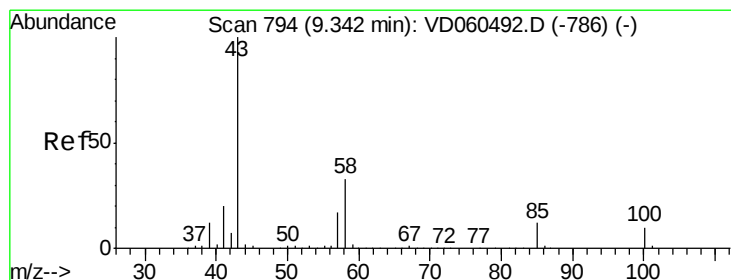
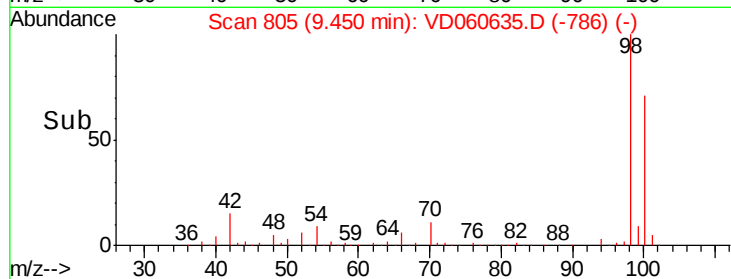
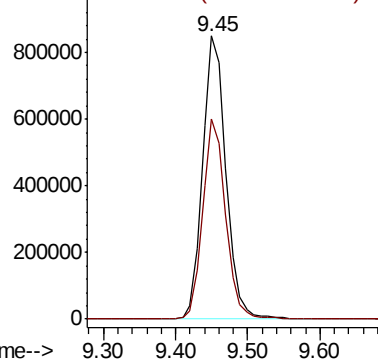
#50
Toluene-d8
Concen: N.D. ug/l
RT: 9.45 min Scan# 805
Delta R.T. -0.01 min
Lab File: VD060635.D
Acq: 19 Dec 2018 12:46

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 98 Resp: 1912146
Ion Ratio Lower Upper
98 100
100 70.8 55.7 83.5

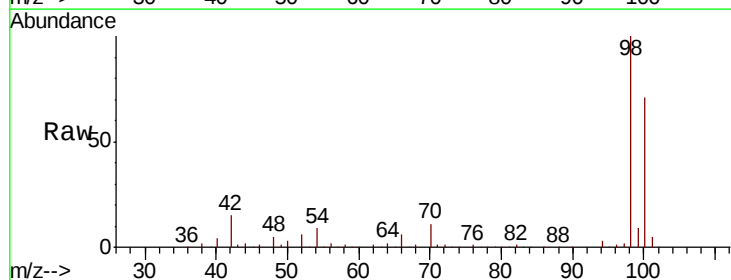


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

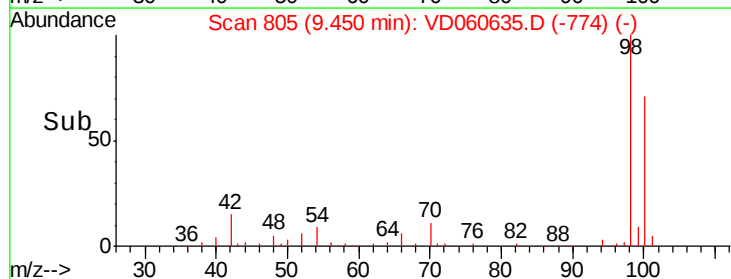
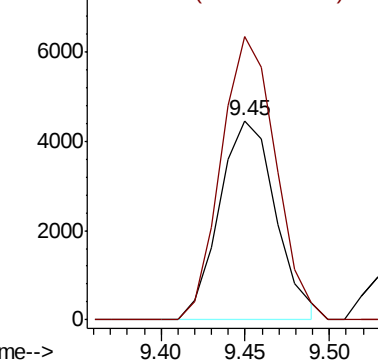


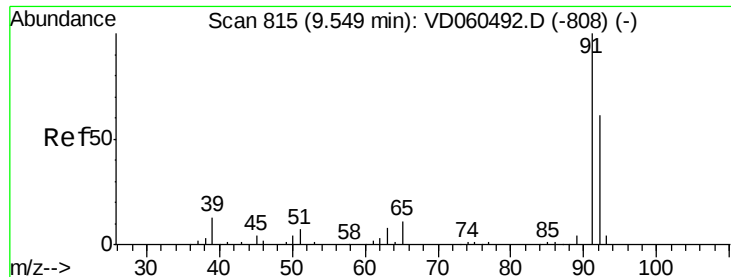
#51
4-Methyl-2-Pentanone
Concen: 1.232 ug/l
RT: 9.45 min Scan# 805
Delta R.T. 0.11 min
Lab File: VD060635.D
Acq: 19 Dec 2018 12:46

Tgt Ion: 43 Resp: 10342
Ion Ratio Lower Upper
43 100
58 142.2 26.3 39.5#



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





#52

Toluene

Concen: 3.419 ug/l

RT: 9.55 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

Instrument :

MSVOA_D

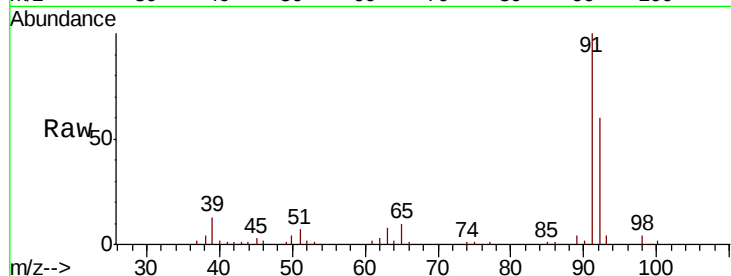
ClientSampled :

Tot Ion: 92 Resp: 137613

Ion Ratio Lower Upper

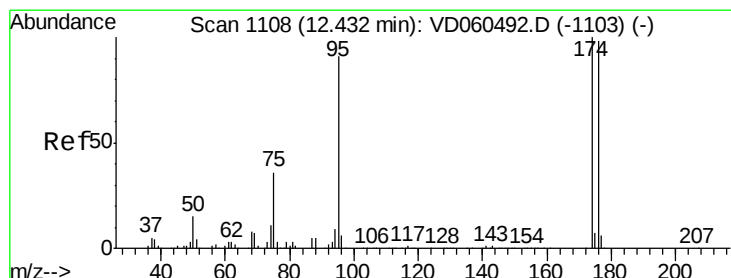
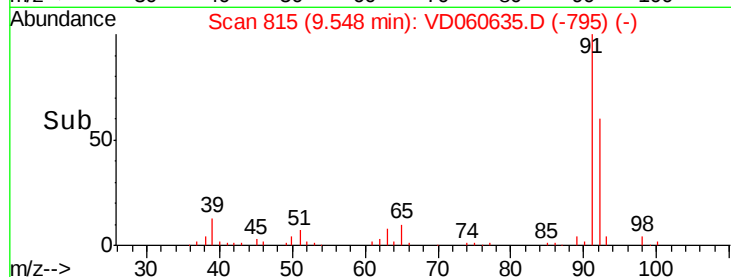
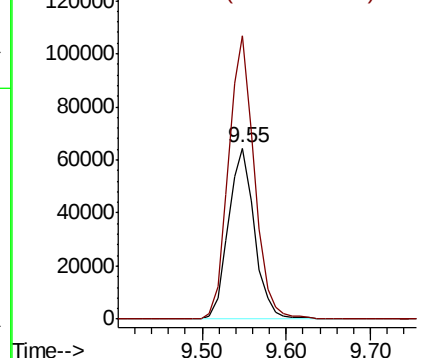
92 100

91 165.6 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

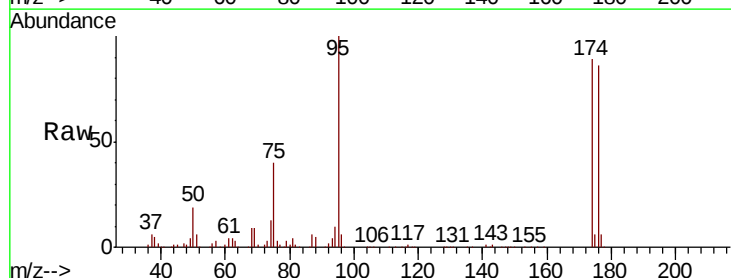
Tgt Ion: 95 Resp: 599134

Ion Ratio Lower Upper

95 100

174 89.1 0.0 219.4

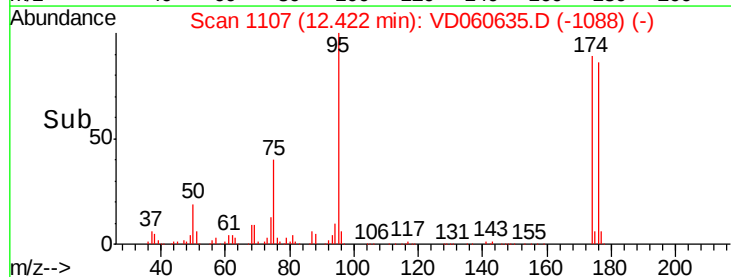
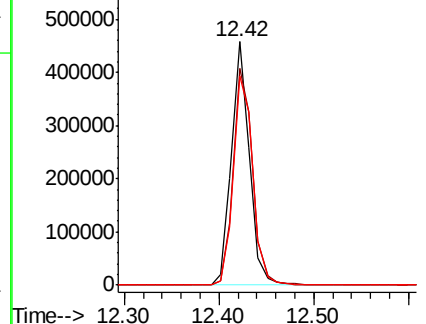
176 85.9 0.0 214.6

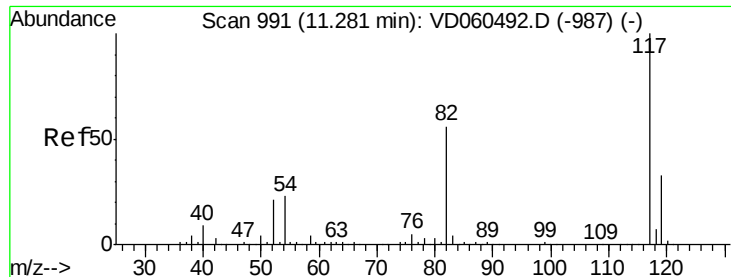


Abundance Ion 95.00 (94.70 to 95.70): VDC

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

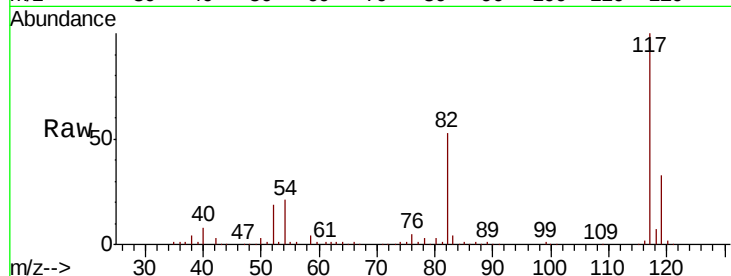




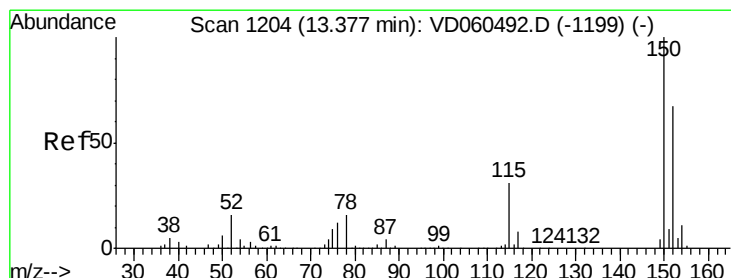
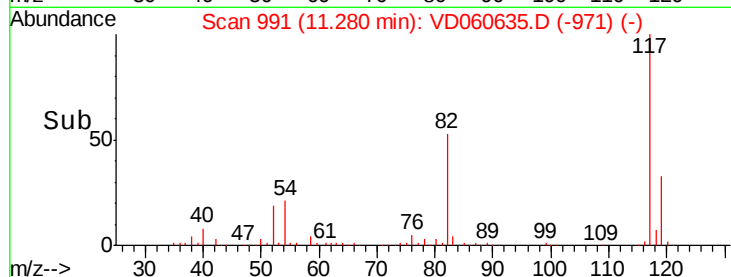
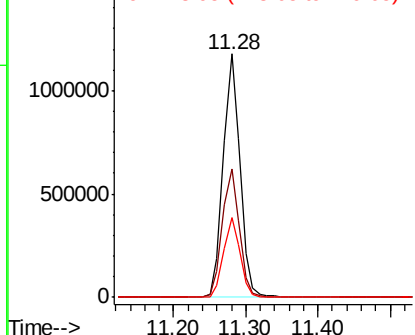
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD060635.D
Acq: 19 Dec 2018 12:46

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1893623
Ion Ratio Lower Upper
117 100
82 53.0 45.2 67.8
119 32.8 26.1 39.1

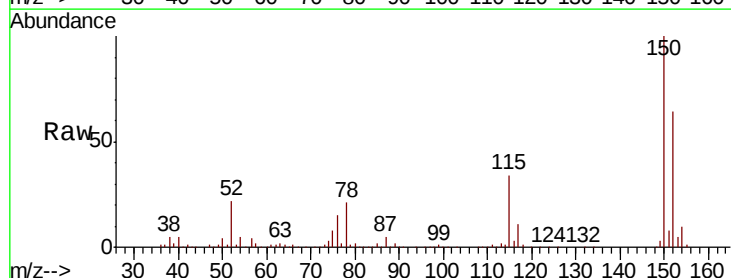


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

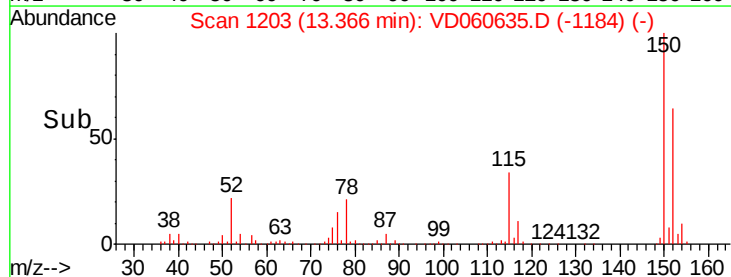
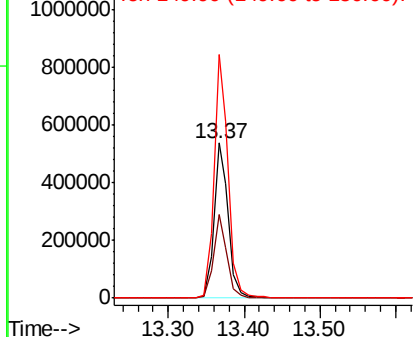


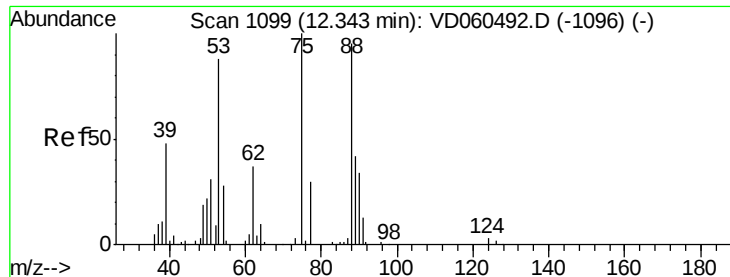
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.37 min Scan# 1203
Delta R.T. -0.01 min
Lab File: VD060635.D
Acq: 19 Dec 2018 12:46

Tgt Ion:152 Resp: 710547
Ion Ratio Lower Upper
152 100
115 54.0 24.6 74.0
150 157.0 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





#81

trans-1,4-Dichloro-2-butene

Concen: 108.087 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.08 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

Instrument :

MSVOA_D

ClientSampleId :

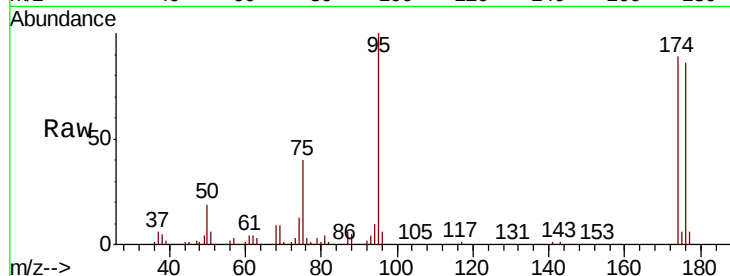
Tot Ion: 75 Resp: 242704

Ion Ratio Lower Upper

75 100

53 0.0 70.5 105.7#

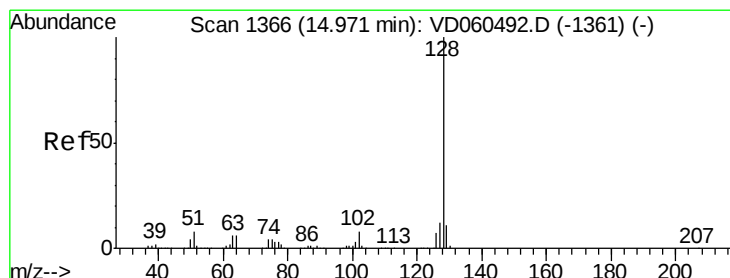
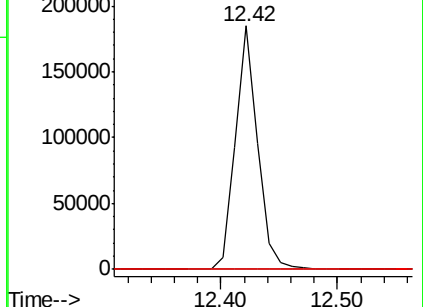
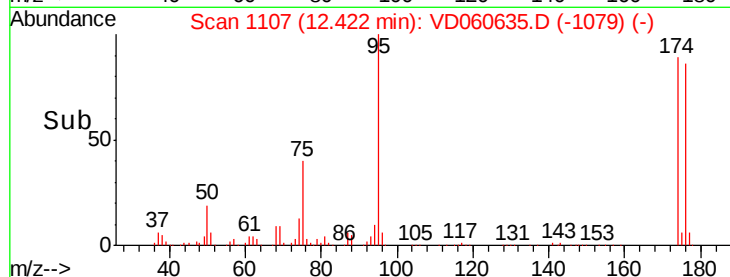
89 0.0 33.6 50.4#



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



#95

Naphthalene

Concen: 1.051 ug/l

RT: 14.96 min Scan# 1365

Delta R.T. -0.01 min

Lab File: VD060635.D

Acq: 19 Dec 2018 12:46

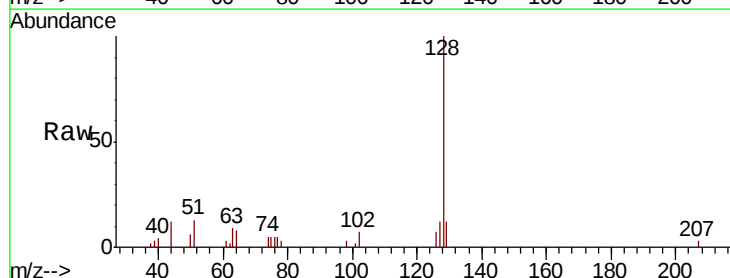
Tgt Ion:128 Resp: 19106

Ion Ratio Lower Upper

128 100

127 11.7 9.8 14.8

129 11.9 8.6 13.0



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

