

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061819\
 Data File : VD062755.D
 Acq On : 18 Jun 2019 17:47
 Operator : VA/AP
 Sample : K3419-08RE
 Misc : 5.03g/5ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 19 05:26:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	782626	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1023231	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	858016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	490297	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	416769	36.90	ug/l	0.00
Spiked Amount			Recovery	=	73.80%	
35) Dibromofluoromethane	6.92	113	477020	44.20	ug/l	0.00
Spiked Amount			Recovery	=	88.40%	
50) Toluene-d8	10.42	98	1013643	44.65	ug/l	0.00
Spiked Amount			Recovery	=	89.30%	
62) 4-Bromofluorobenzene	13.56	95	451773	42.66	ug/l	0.00
Spiked Amount			Recovery	=	85.32%	

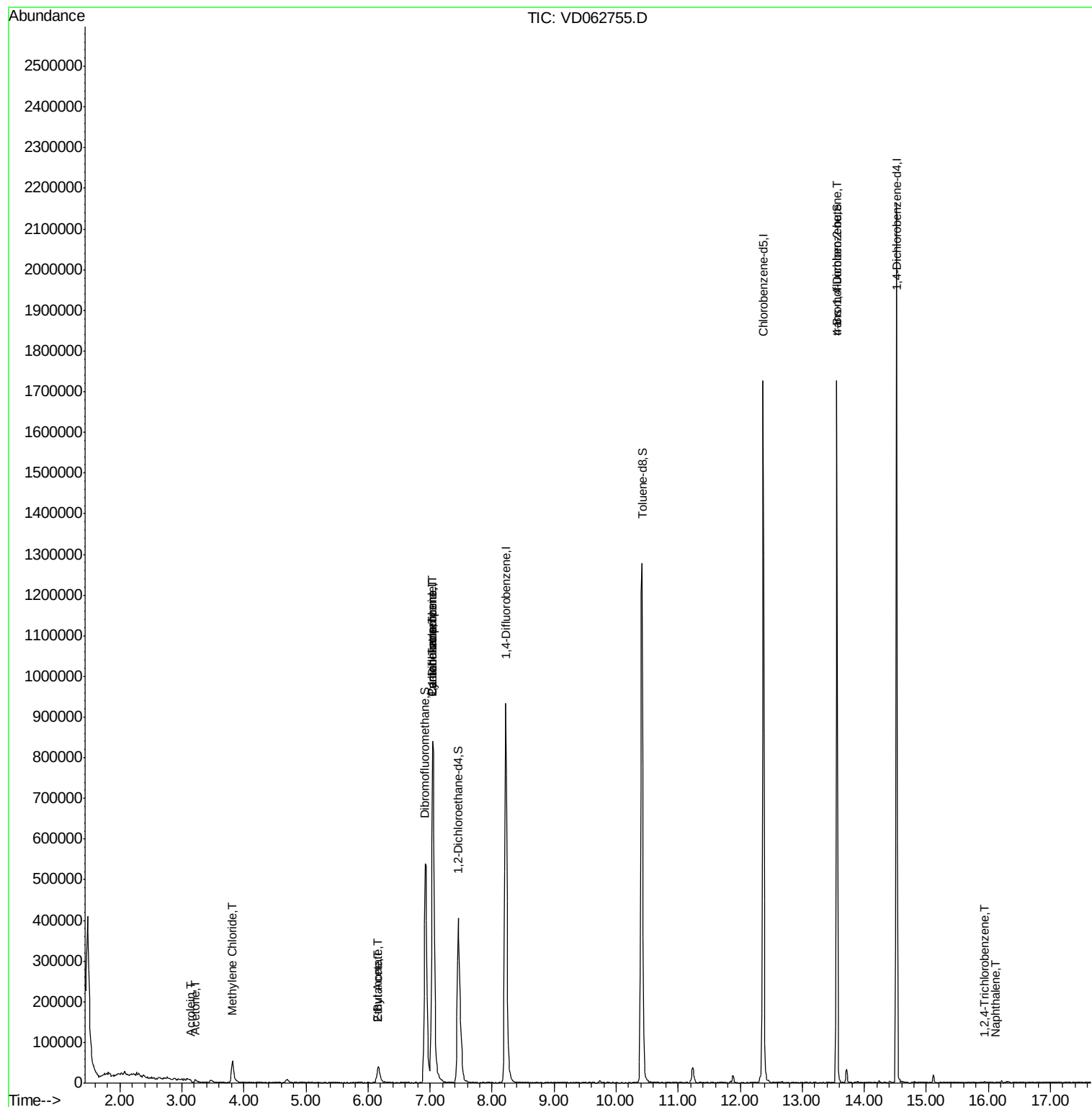
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	654	Below Cal	#	42
13) Acrolein	3.15	56	209	1.400	ug/l #	12
16) Acetone	3.22	43	11623	5.620	ug/l	99
20) Methylene Chloride	3.82	84	34692	4.034	ug/l	95
25) 2-Butanone	6.16	43	2814	1.395	ug/l #	61
31) Cyclohexane	7.04	56	18330	2.057	ug/l #	1
36) 1,1-Dichloropropene	7.04	75	64482	5.506	ug/l #	51
37) Ethyl Acetate	6.16	43	2814	1.751	ug/l #	39
38) Carbon Tetrachloride	7.05	117	83389	4.505	ug/l #	17
81) trans-1,4-Dichloro-2-buten	13.56	75	222404	107.917	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.94	180	418	3.599	ug/l #	48
95) Naphthalene	16.13	128	1641	3.535	ug/l #	71

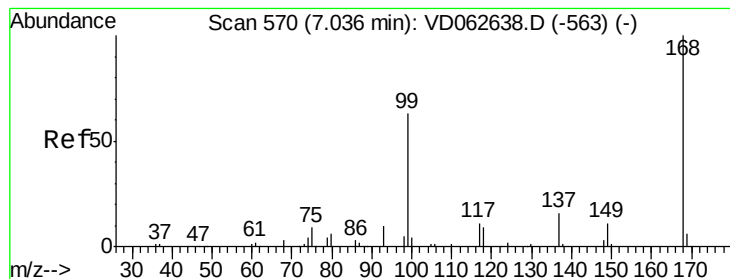
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD062755.D

Acq: 18 Jun 2019 17:47

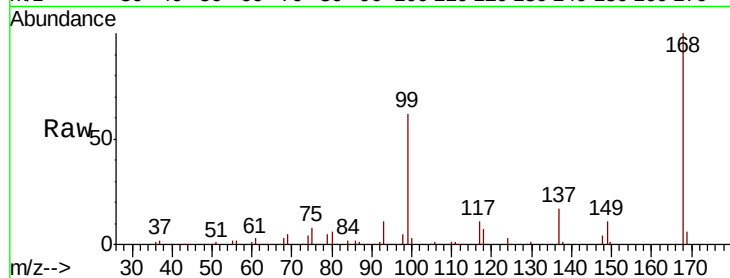
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 782626

Ion Ratio Lower Upper

168 100

99 61.7 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.05

300000

250000

200000

150000

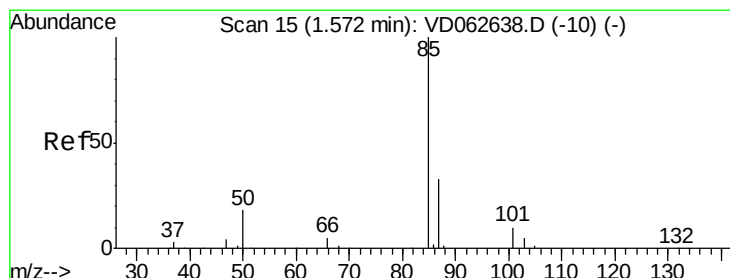
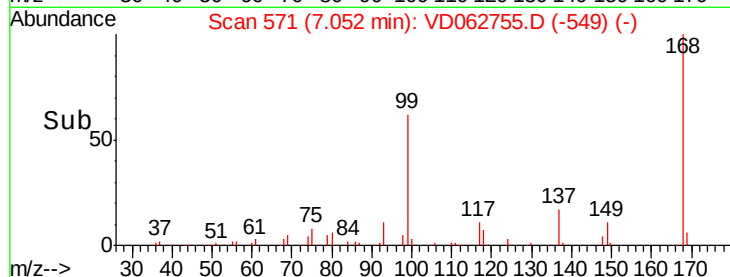
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062755.D

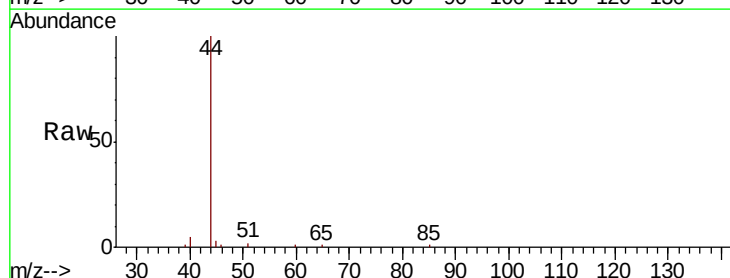
Acq: 18 Jun 2019 17:47

Tgt Ion: 85 Resp: 654

Ion Ratio Lower Upper

85 100

87 0.0 16.6 49.7#



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

500

400

300

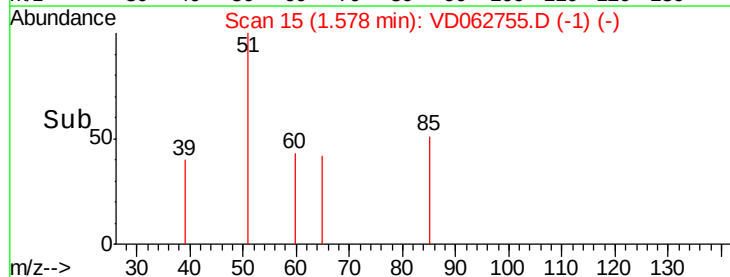
200

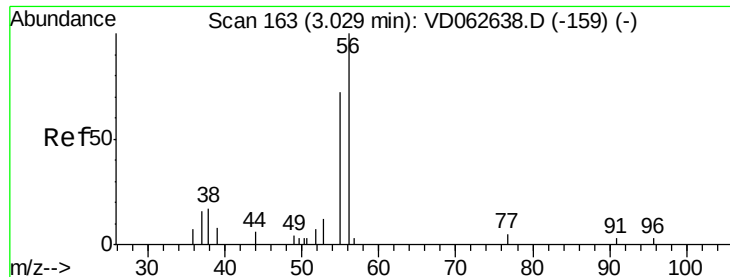
100

0

1.55 1.60

Time-->





#13

Acrolein

Concen: 1.400 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.12 min

Lab File: VD062755.D

Acq: 18 Jun 2019 17:47

Instrument :

MSVOA_D

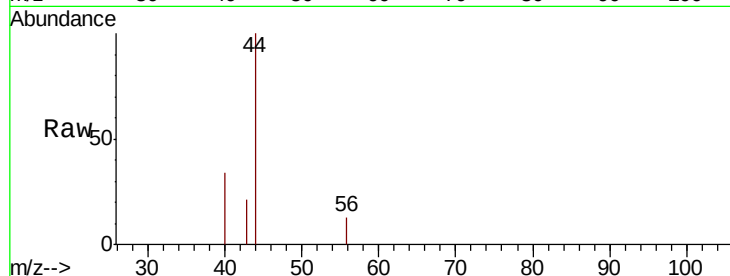
ClientSampled :

Tot Ion: 56 Resp: 209

Ion Ratio Lower Upper

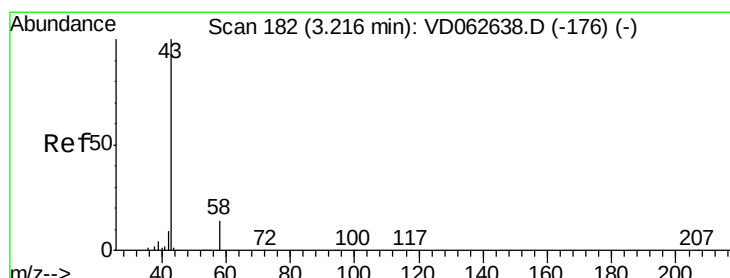
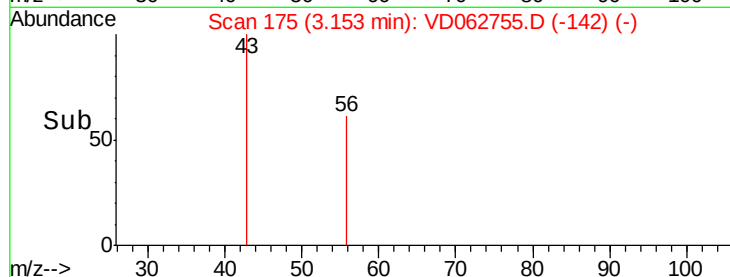
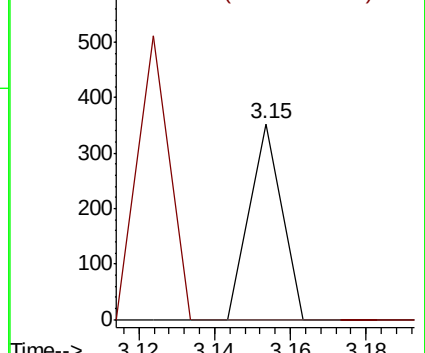
56 100

55 0.0 59.4 89.0#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 5.620 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD062755.D

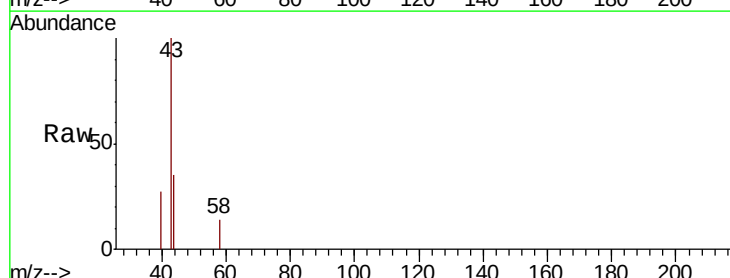
Acq: 18 Jun 2019 17:47

Tgt Ion: 43 Resp: 11623

Ion Ratio Lower Upper

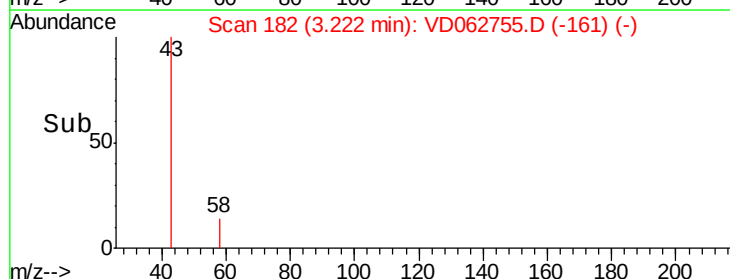
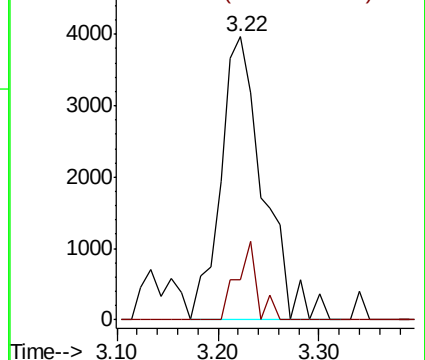
43 100

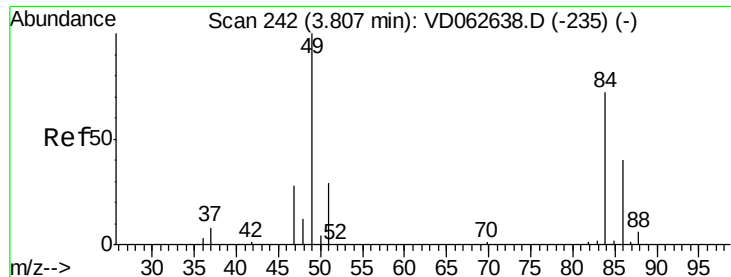
58 14.1 10.8 16.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

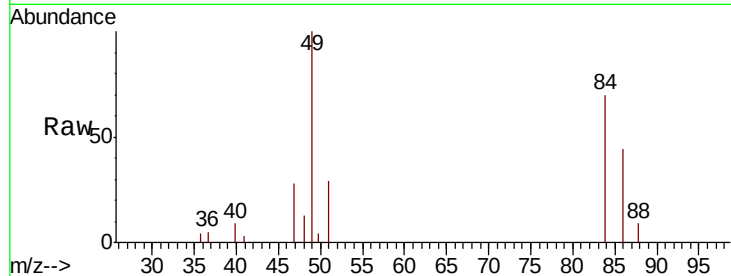




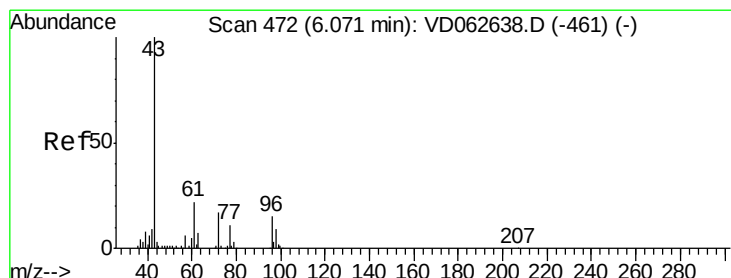
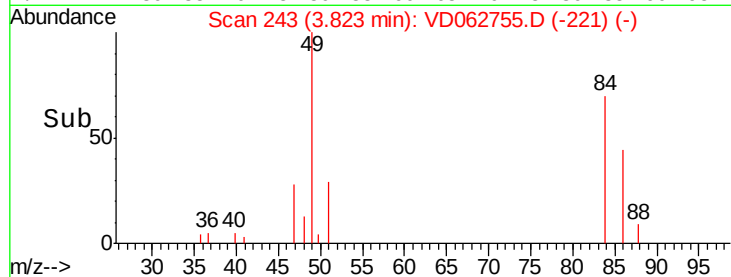
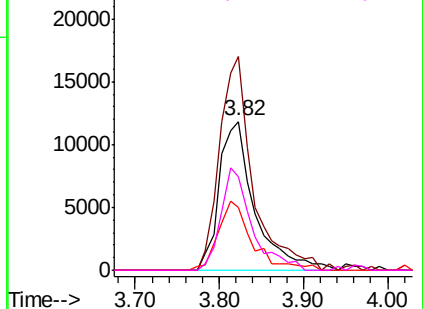
#20
Methvlene Chloride
Concen: 4.034 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 84 Resp: 34692
Ion Ratio Lower Upper
84 100
49 143.6 111.2 166.8
51 41.9 31.9 47.9
86 62.9 44.7 67.1

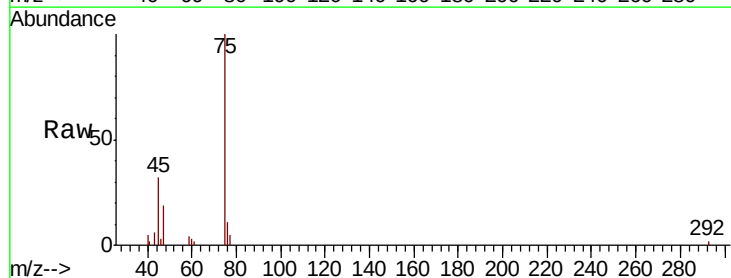


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

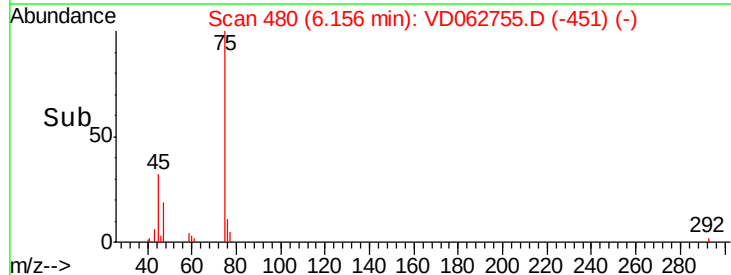
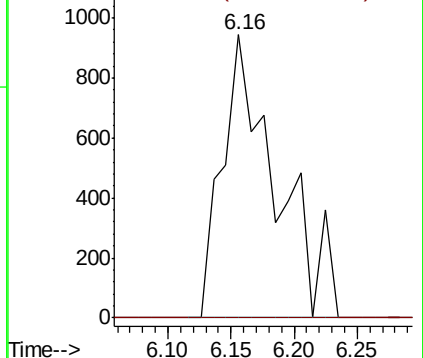


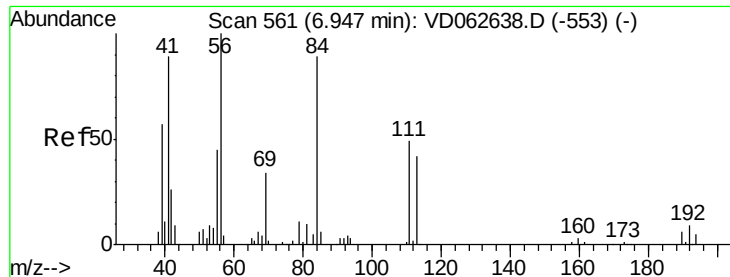
#25
2-Butanone
Concen: 1.395 ug/l
RT: 6.16 min Scan# 480
Delta R.T. 0.09 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

Tgt Ion: 43 Resp: 2814
Ion Ratio Lower Upper
43 100
72 0.0 13.5 20.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

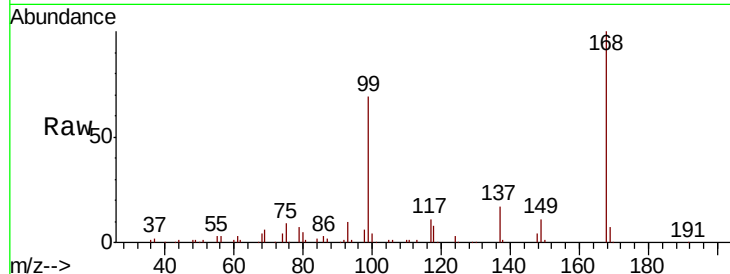




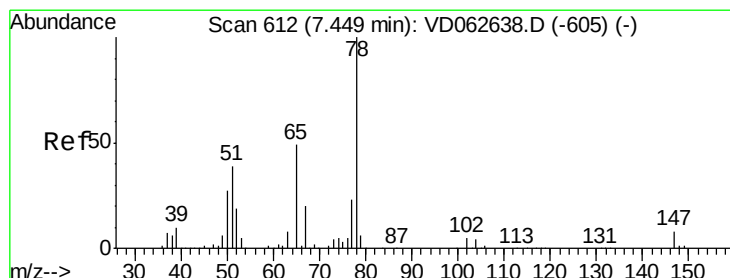
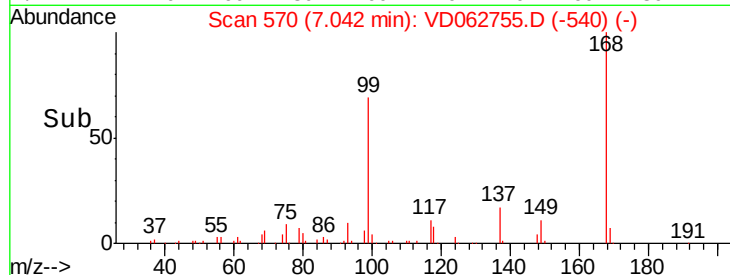
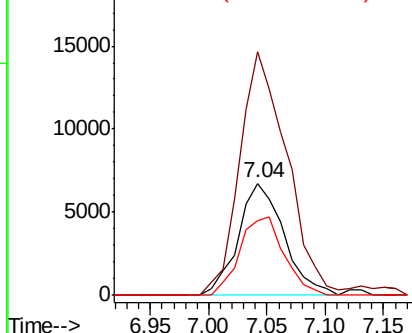
#31
Cyclohexane
Concen: 2.057 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.09 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 18330
Ion Ratio Lower Upper
56 100
69 217.3 26.8 40.2#
84 66.6 73.9 110.9#

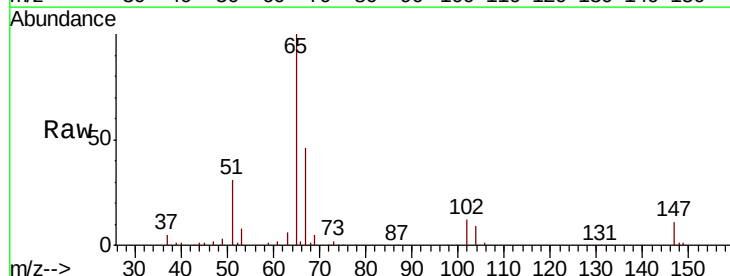


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

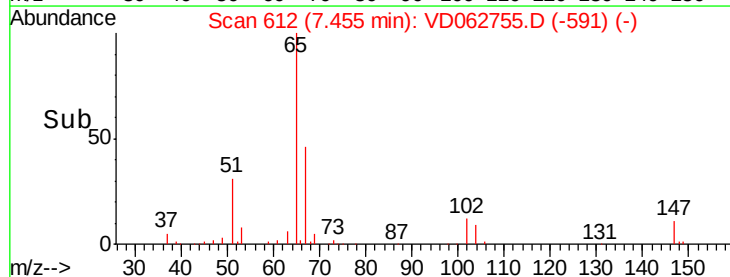
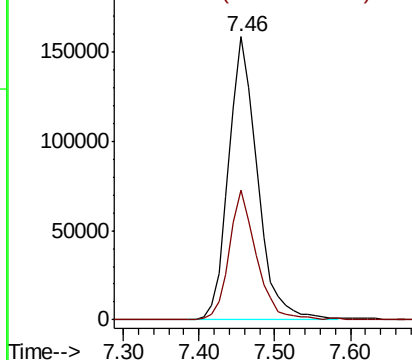


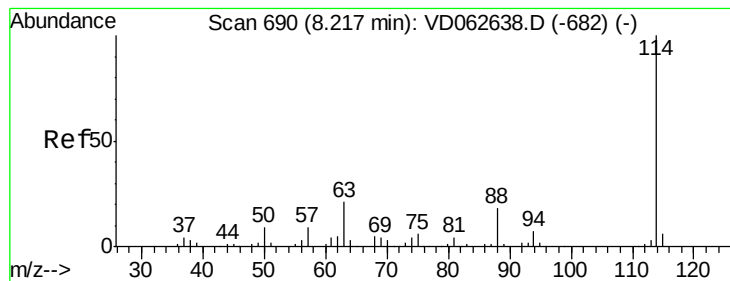
#33
1,2-Dichloroethane-d4
Concen: 36.904 ug/l
RT: 7.46 min Scan# 612
Delta R.T. 0.01 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

Tgt Ion: 65 Resp: 416769
Ion Ratio Lower Upper
65 100
67 45.9 0.0 81.8



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: 8.22 min Scan# 690

Delta R.T. 0.01 min

Lab File: VD062755.D

Acq: 18 Jun 2019 17:47

Instrument :

MSVOA_D

ClientSampled :

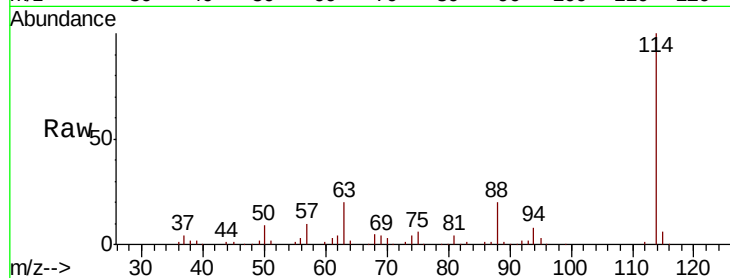
Tot Ion:114 Resp: 1023231

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

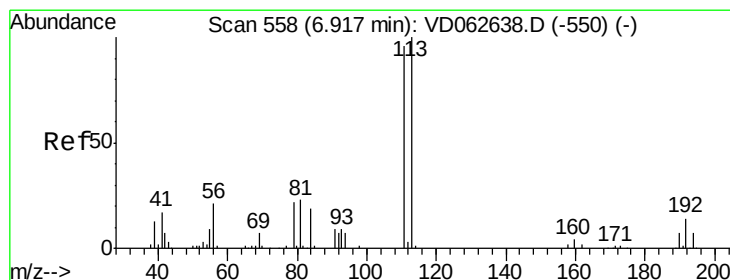
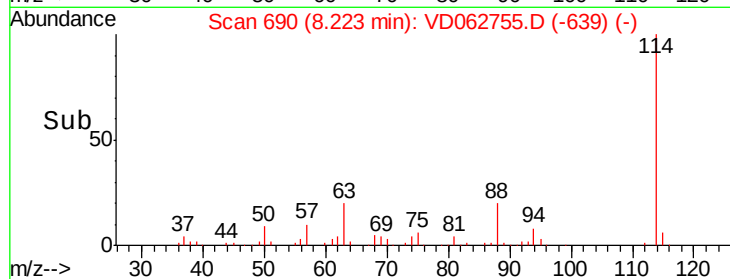
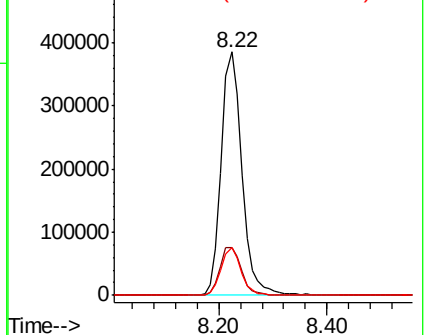
88 19.7 0.0 36.8



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: 44.204 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD062755.D

Acq: 18 Jun 2019 17:47

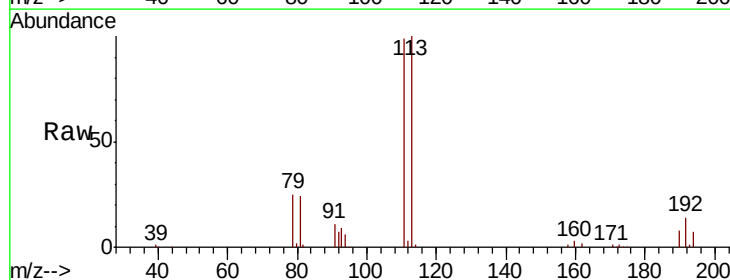
Tgt Ion:113 Resp: 477020

Ion Ratio Lower Upper

113 100

111 98.8 76.4 114.6

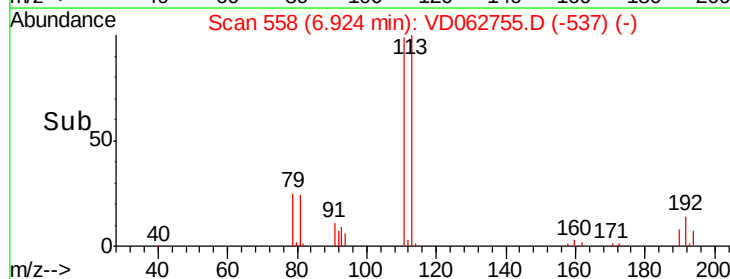
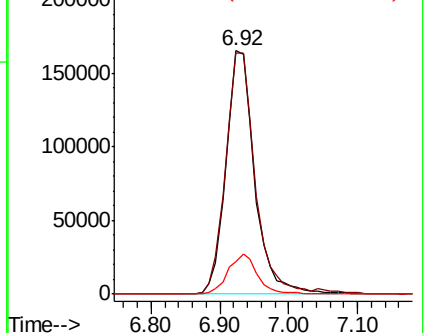
192 13.5 11.4 17.0

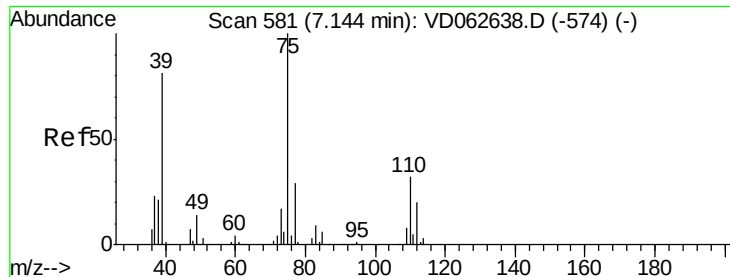


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

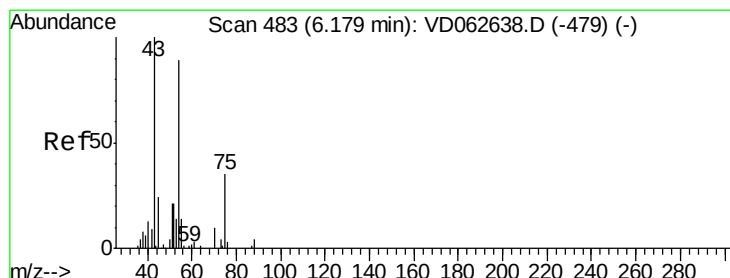
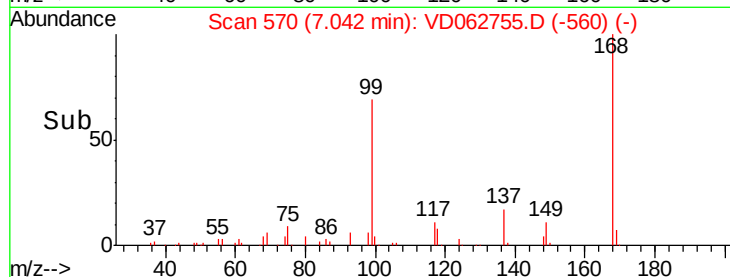
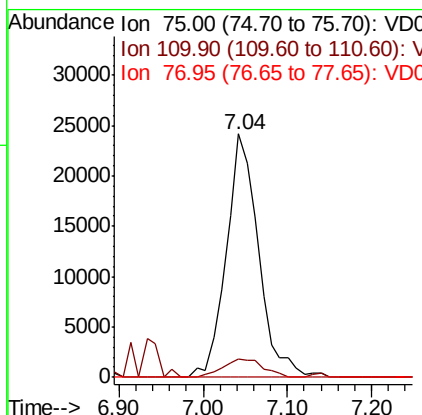
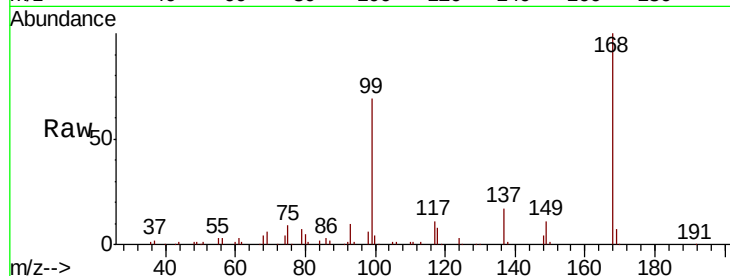




#36
1,1-Dichloropropene
Concen: 5.506 ug/l
RT: 7.04 min Scan# 570
Delta R.T. -0.10 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

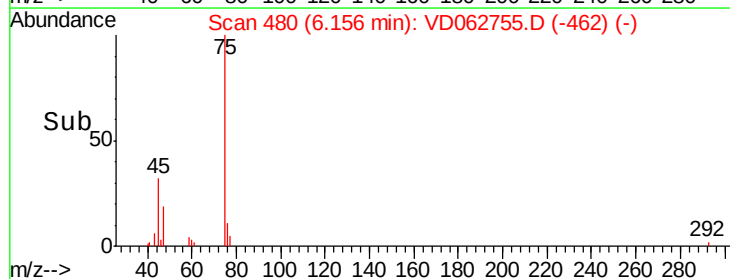
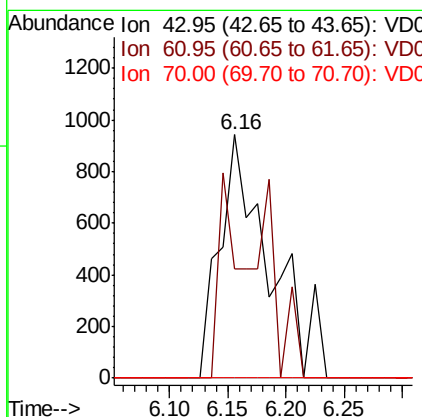
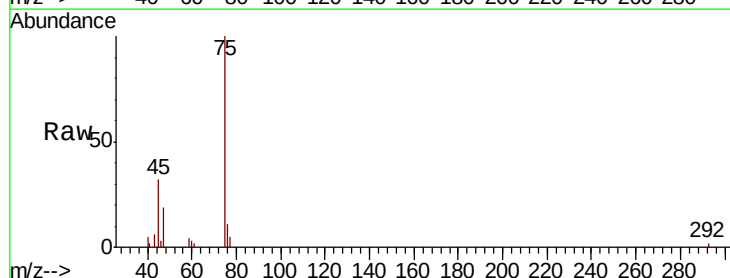
Instrument :
MSVOA_D
ClientSampleId :

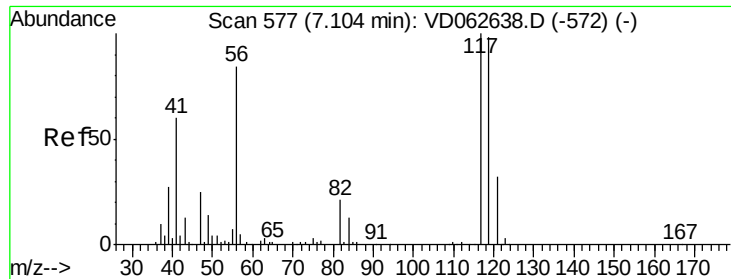
Tot Ion: 75 Resp: 64482
Ion Ratio Lower Upper
75 100
110 7.7 15.9 47.7#
77 0.0 23.3 34.9#



#37
Ethyl Acetate
Concen: 1.751 ug/l
RT: 6.16 min Scan# 480
Delta R.T. -0.02 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

Tgt Ion: 43 Resp: 2814
Ion Ratio Lower Upper
43 100
61 44.8 8.7 13.1#
70 0.0 6.5 9.7#

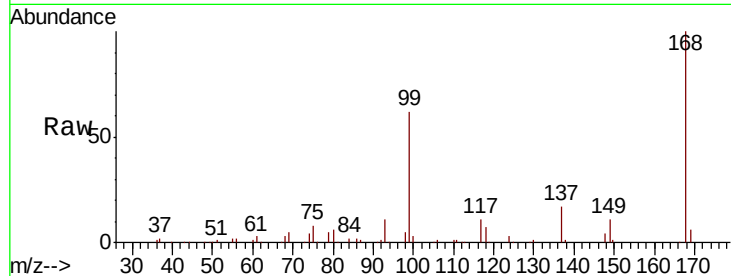




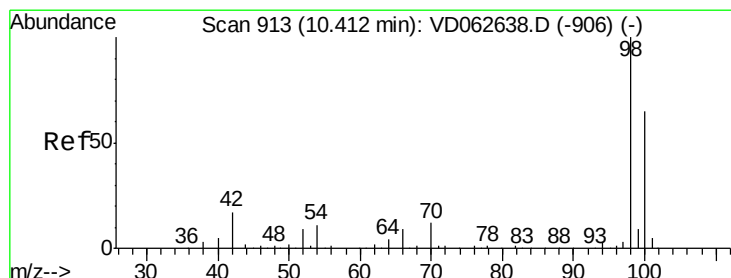
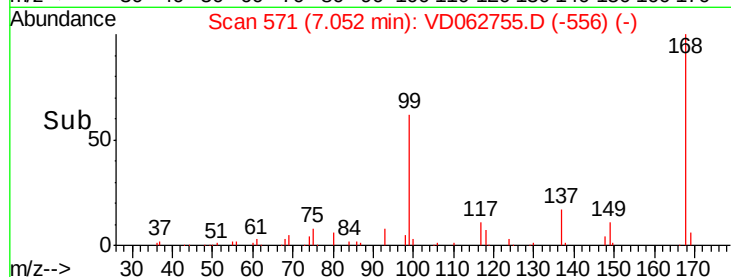
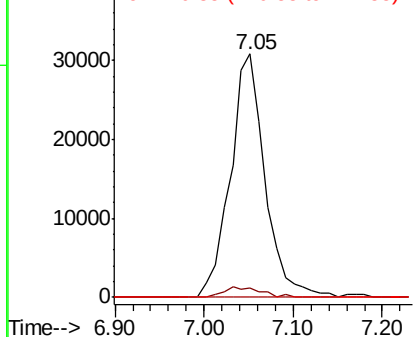
#38
Carbon Tetrachloride
Concen: 4.505 ug/l
RT: 7.05 min Scan# 571
Delta R.T. -0.05 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 83389
Ion Ratio Lower Upper
117 100
119 3.7 73.5 110.3#
121 0.0 24.2 36.4#

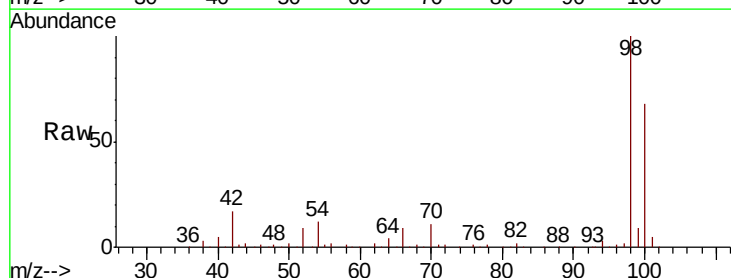


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

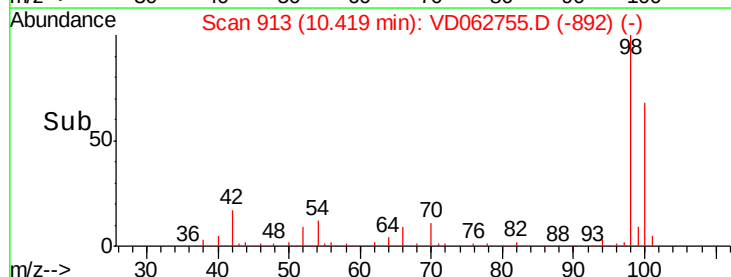
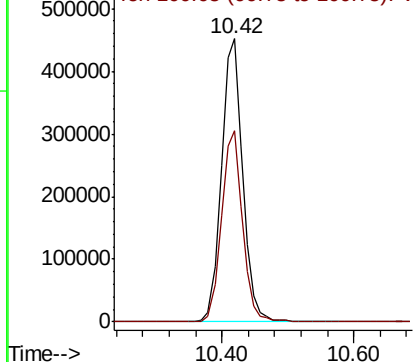


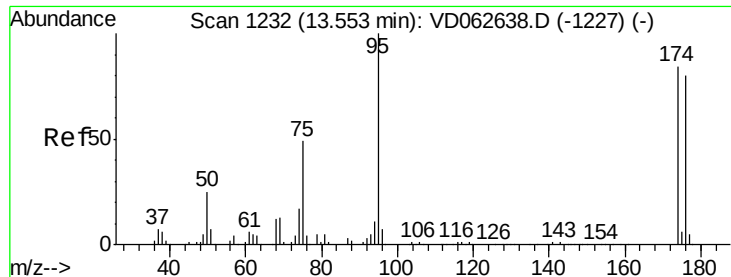
#50
Toluene-d8
Concen: 44.652 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

Tgt Ion: 98 Resp: 1013643
Ion Ratio Lower Upper
98 100
100 67.6 52.1 78.1



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

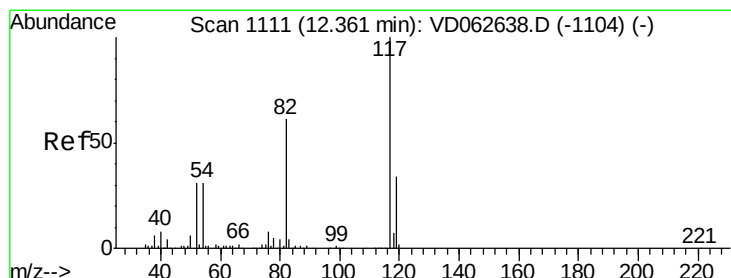
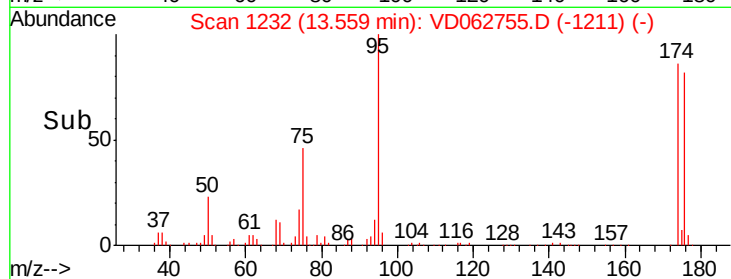
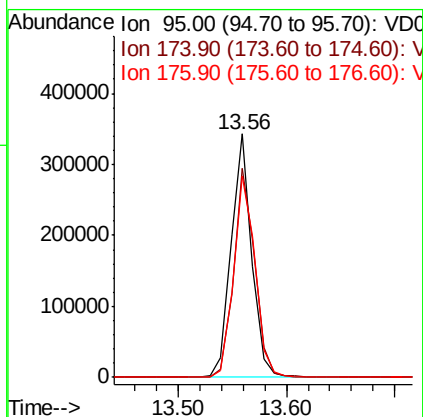
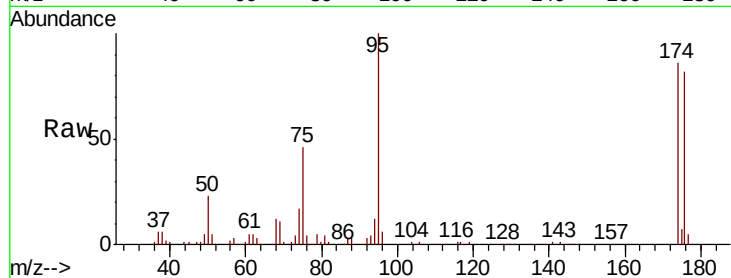




#62
4-Bromofluorobenzene
Concen: 42.657 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

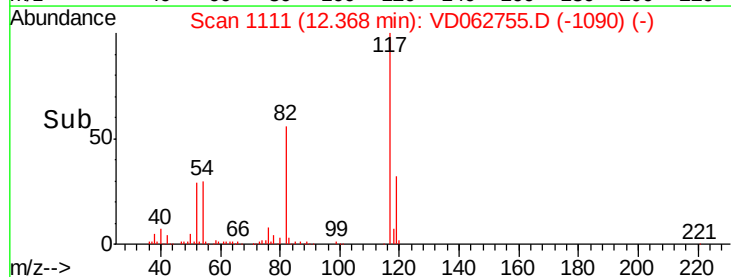
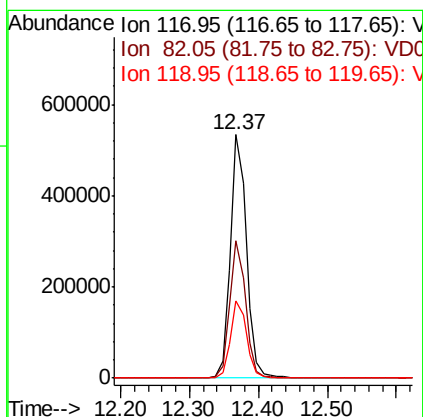
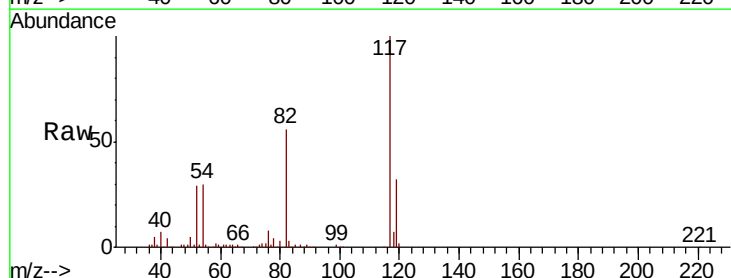
Instrument :
MSVOA_D
ClientSampleId :

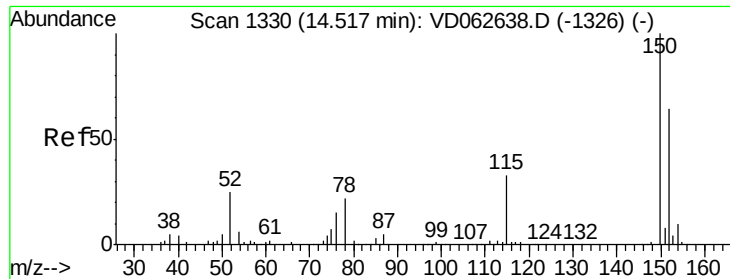
Tot Ion: 95 Resp: 451773
Ion Ratio Lower Upper
95 100
174 85.6 0.0 167.0
176 82.5 0.0 159.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062755.D
Acq: 18 Jun 2019 17:47

Tgt Ion: 117 Resp: 858016
Ion Ratio Lower Upper
117 100
82 56.2 48.7 73.1
119 31.7 27.0 40.6

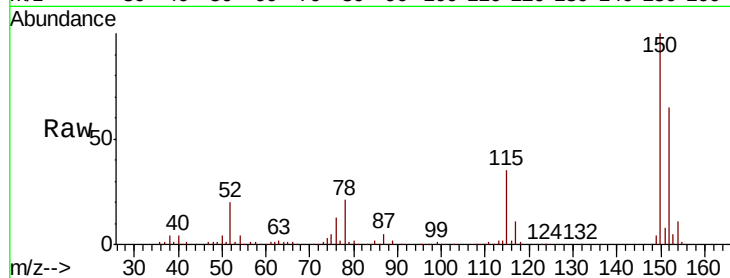




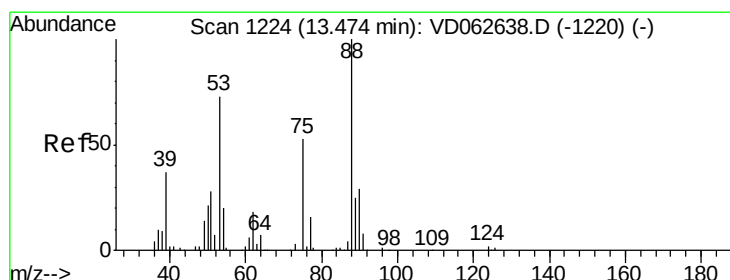
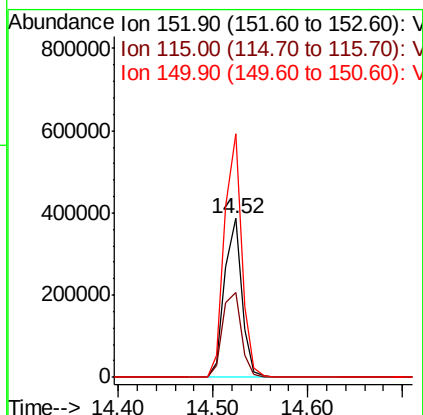
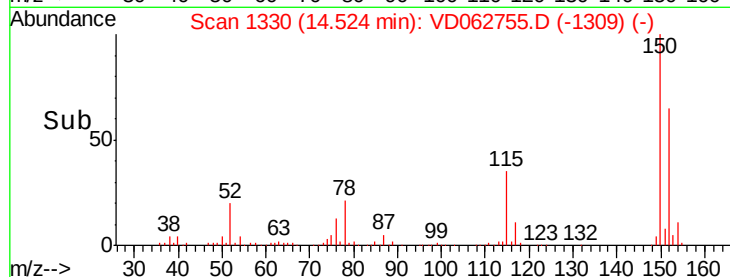
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. 0.01 min
 Lab File: VD062755.D
 Acq: 18 Jun 2019 17:47

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.3	30.1	90.5
150	153.2	0.0	314.0

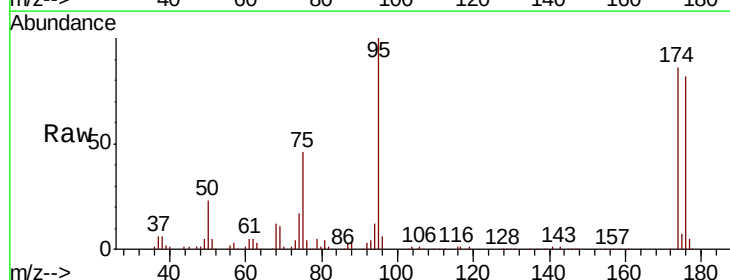


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

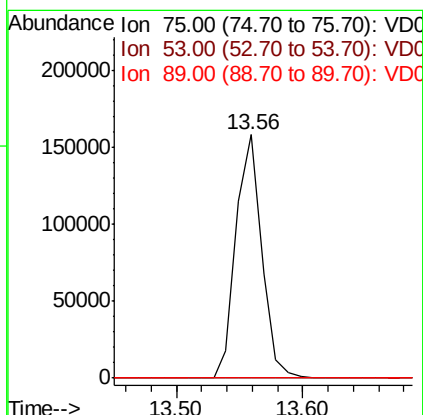
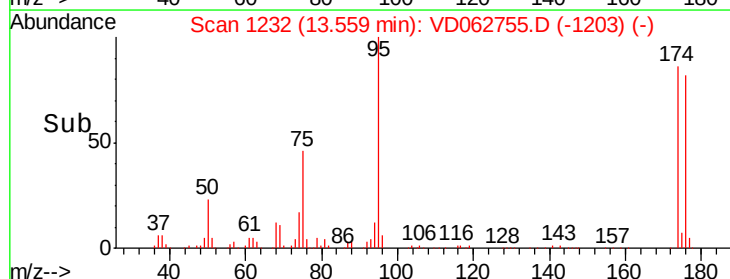


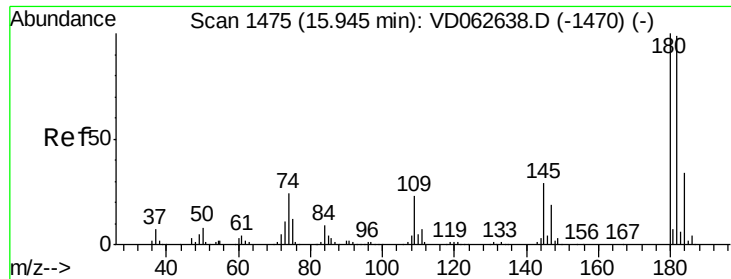
#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.917 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD062755.D
 Acq: 18 Jun 2019 17:47

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	109.4	164.2#
89	0.0	37.0	55.6#



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

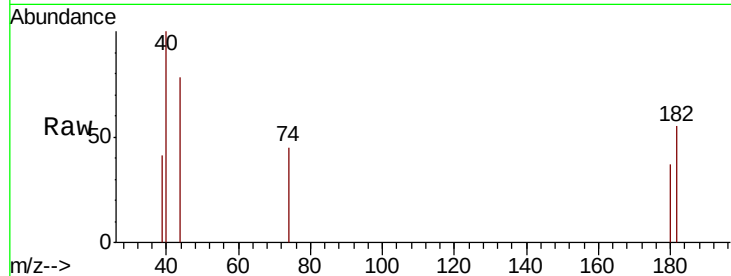




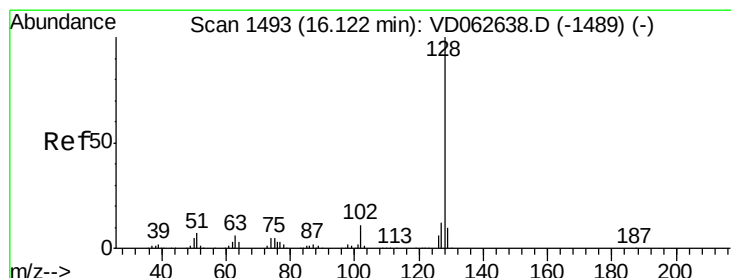
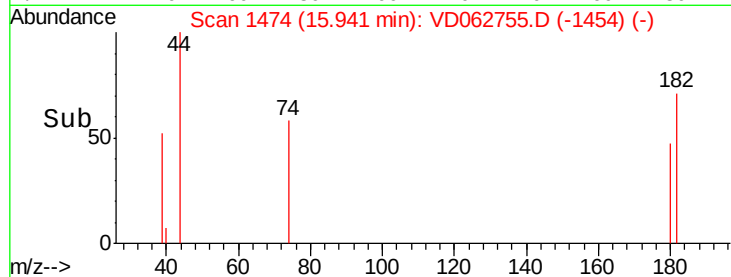
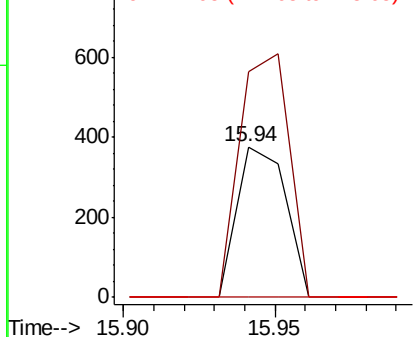
#93
 1,2,4-Trichlorobenzene
 Concen: 3.599 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062755.D
 Acq: 18 Jun 2019 17:47

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 418
 Ion Ratio Lower Upper
 180 100
 182 149.9 49.4 148.2#
 145 0.0 14.5 43.6#

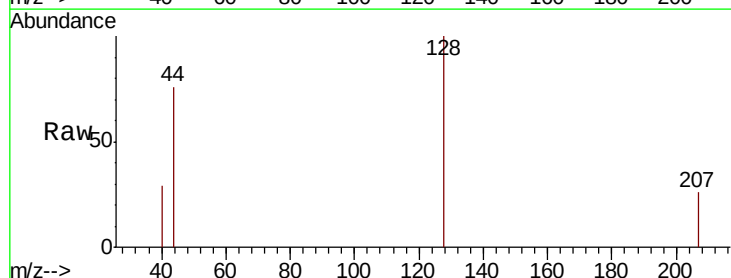


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V



#95
 Naphthalene
 Concen: 3.535 ug/l
 RT: 16.13 min Scan# 1493
 Delta R.T. 0.01 min
 Lab File: VD062755.D
 Acq: 18 Jun 2019 17:47

Tgt Ion:128 Resp: 1641
 Ion Ratio Lower Upper
 128 100
 127 0.0 9.7 14.5#
 129 0.0 8.1 12.1#



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

