

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072919\
 Data File : VD063227.D
 Acq On : 30 Jul 2019 5:49
 Operator : VA/AP
 Sample : K3622-13
 Misc : 6.63g/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-03-072919-A

Quant Time: Jul 30 08:40:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	823019	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1153055	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	787766	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	409545	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	408481	44.73	ug/l	0.00
Spiked Amount			Recovery	=	89.46%	
35) Dibromofluoromethane	6.92	113	461830	46.91	ug/l	0.01
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	10.40	98	903253	41.00	ug/l	0.00
Spiked Amount			Recovery	=	82.00%	
62) 4-Bromofluorobenzene	13.55	95	386053	38.45	ug/l	0.00
Spiked Amount			Recovery	=	76.90%	

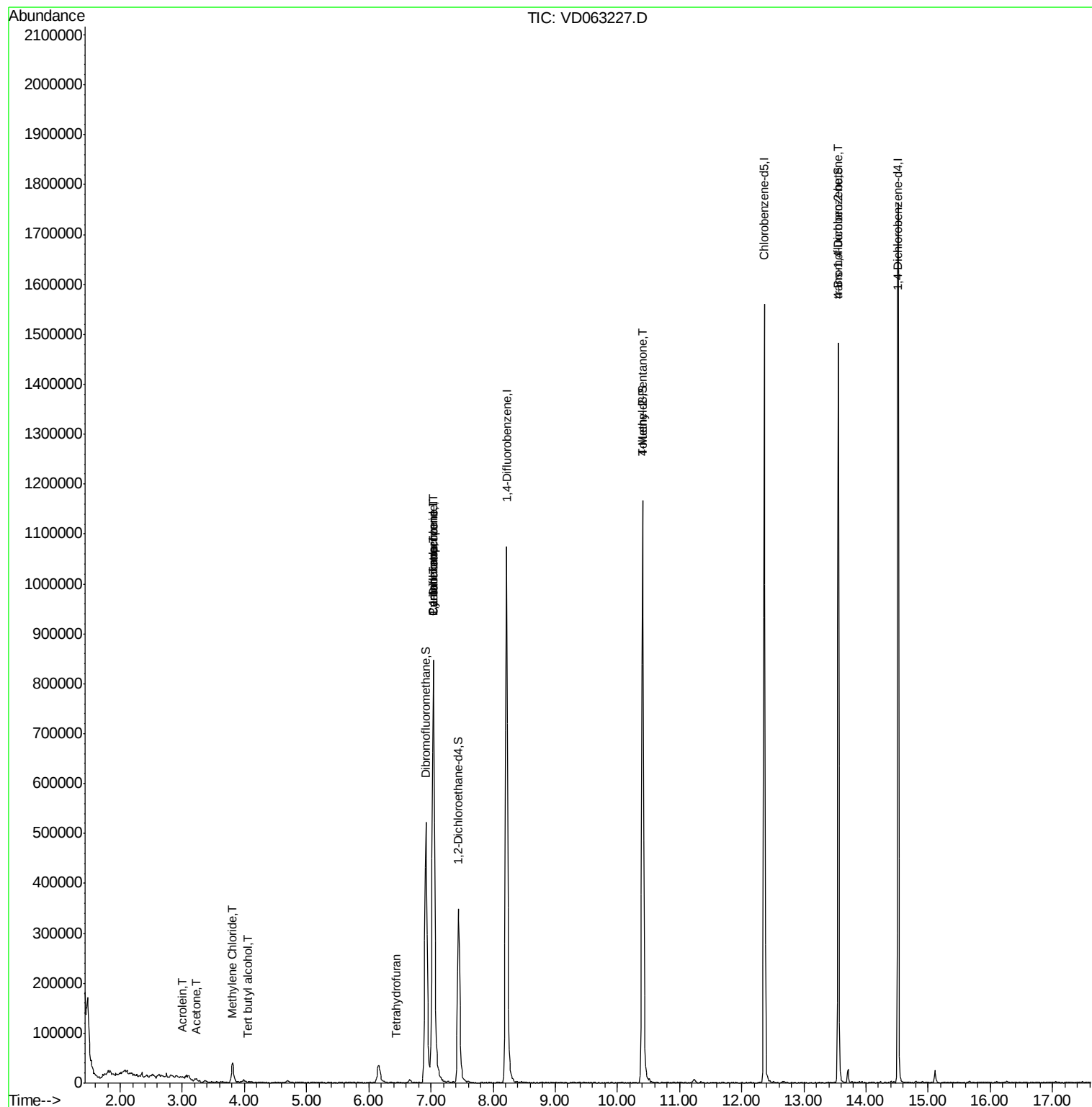
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.04	59	551	1.375	ug/l #	69
13) Acrolein	3.01	56	648	1.680	ug/l #	15
16) Acetone	3.23	43	13405	7.534	ug/l	94
20) Methylene Chloride	3.82	84	20909	2.907	ug/l	86
29) Tetrahydrofuran	6.44	42	971	1.149	ug/l #	33
31) Cyclohexane	7.04	56	18983	2.334	ug/l #	15
36) 1,1-Dichloropropene	7.04	75	66372	6.307	ug/l #	51
38) Carbon Tetrachloride	7.04	117	86997	5.491	ug/l #	15
51) 4-Methyl-2-Pentanone	10.41	43	5553	1.352	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	186205	136.319	ug/l #	3

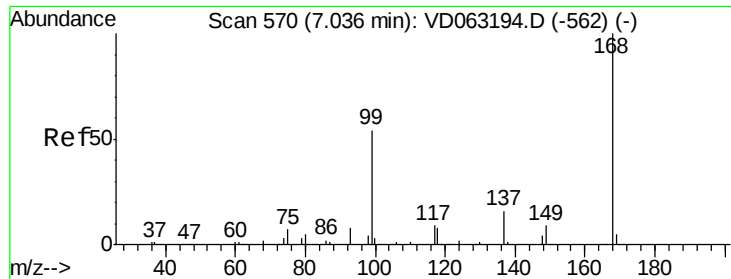
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:04:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.00 min

Lab File: VD063227.D

Acq: 30 Jul 2019 5:49

Instrument :

MSVOA_D

ClientSampleId :

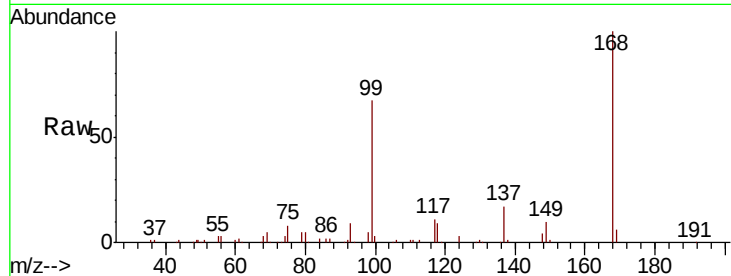
OR-03-072919-A

Tot Ion:168 Resp: 823019

Ion Ratio Lower Upper

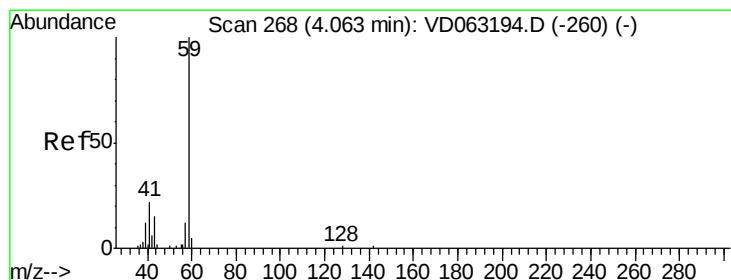
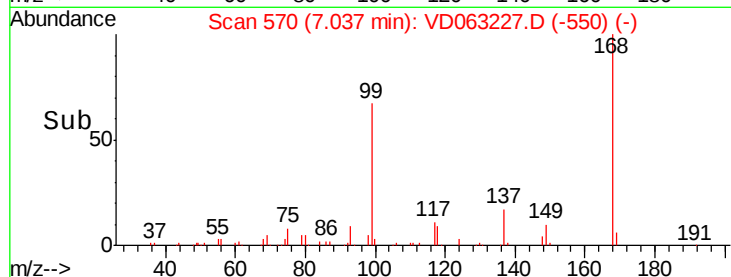
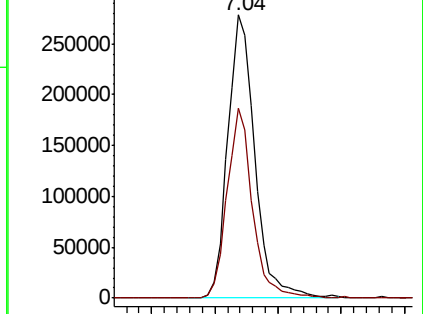
168 100

99 67.0 43.7 65.5#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#11

Tert butyl alcohol

Concen: 1.375 ug/l

RT: 4.04 min Scan# 266

Delta R.T. -0.02 min

Lab File: VD063227.D

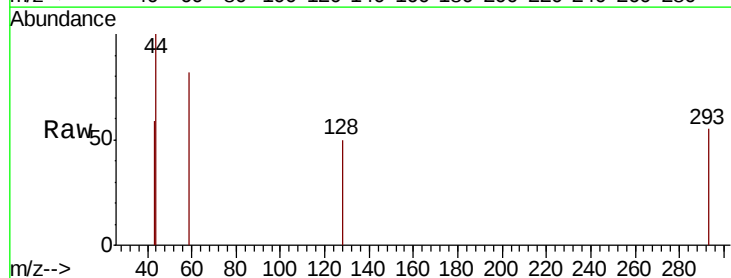
Acq: 30 Jul 2019 5:49

Tgt Ion: 59 Resp: 551

Ion Ratio Lower Upper

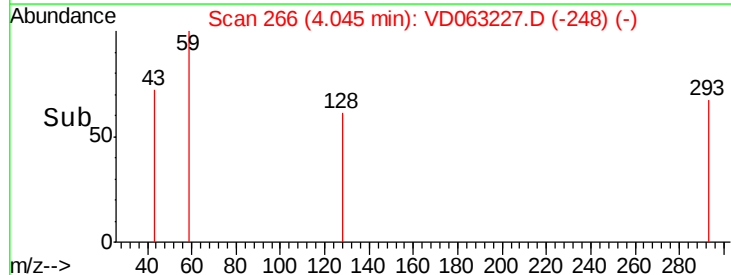
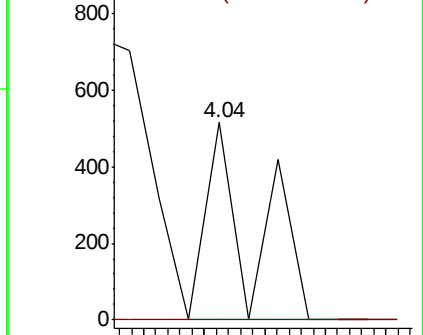
59 100

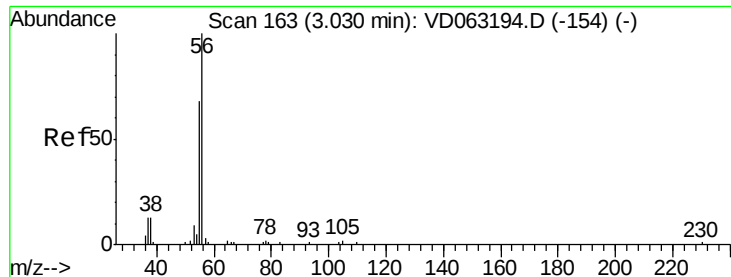
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#13

Acrolein

Concen: 1.680 ug/l

RT: 3.01 min Scan# 161

Delta R.T. -0.02 min

Lab File: VD063227.D

Acq: 30 Jul 2019 5:49

Instrument :

MSVOA_D

ClientSampleId :

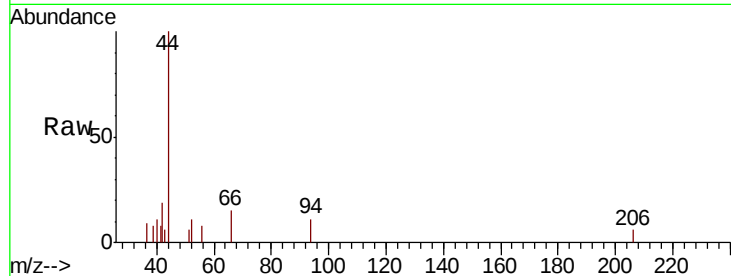
OR-03-072919-A

Tot Ion: 56 Resp: 648

Ion Ratio Lower Upper

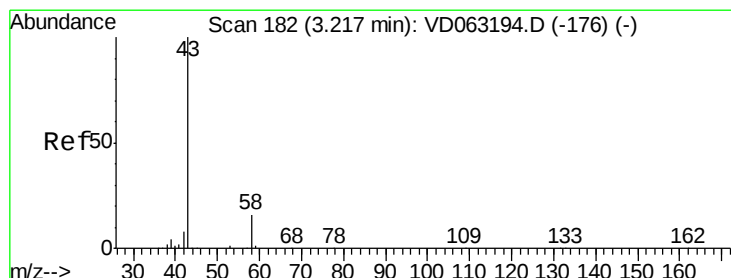
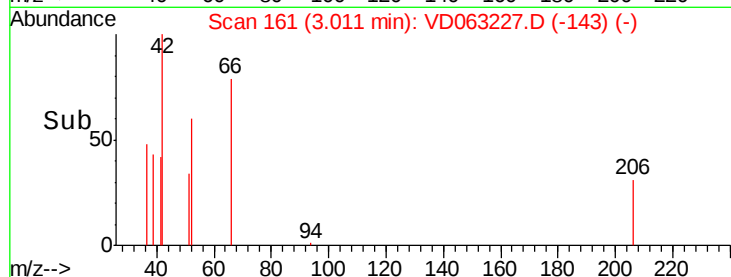
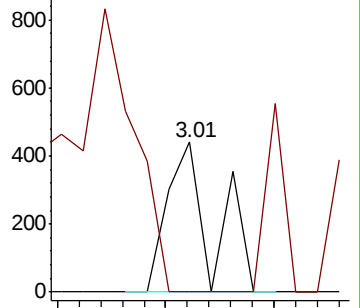
56 100

55 0.0 55.3 82.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 7.534 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD063227.D

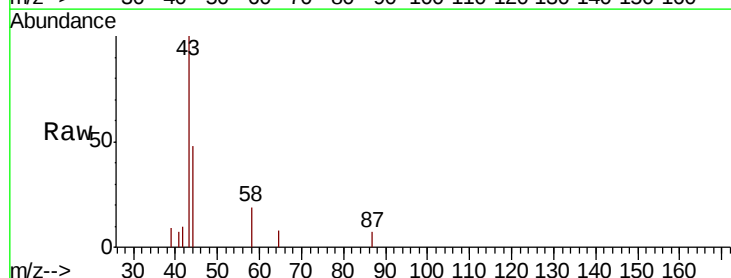
Acq: 30 Jul 2019 5:49

Tgt Ion: 43 Resp: 13405

Ion Ratio Lower Upper

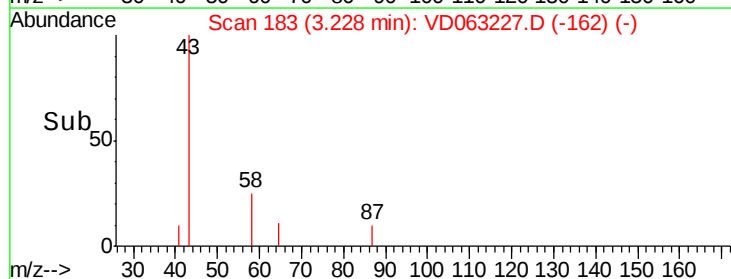
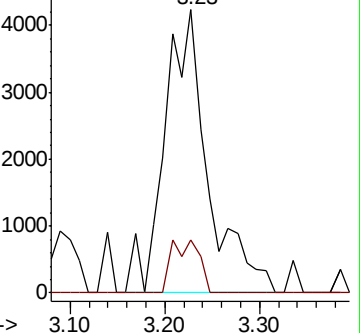
43 100

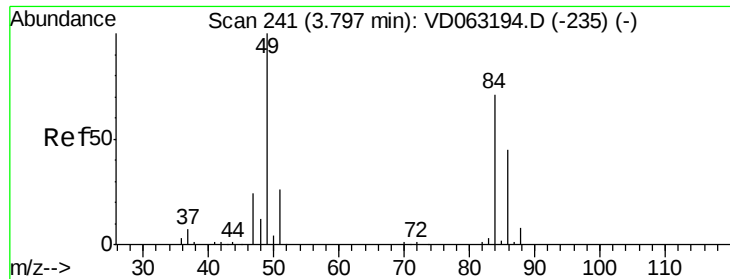
58 18.9 13.0 19.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

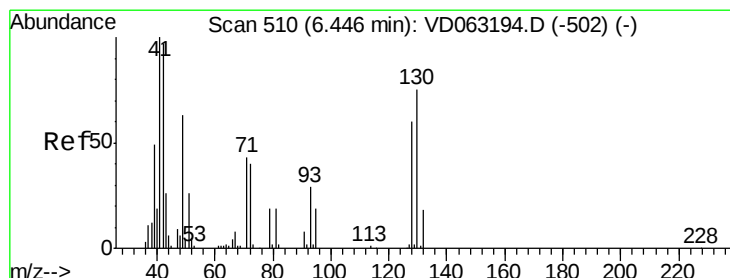
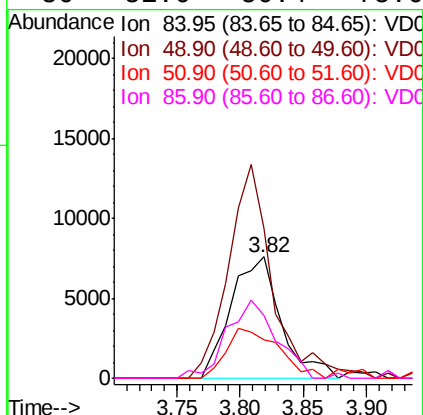
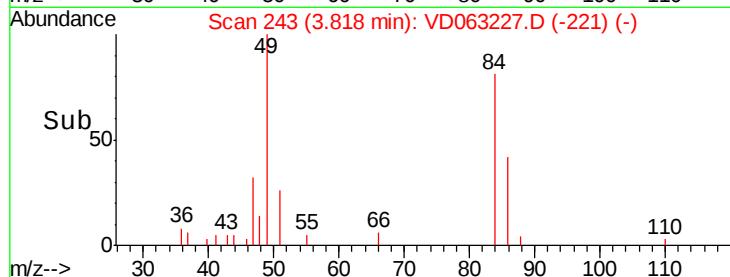
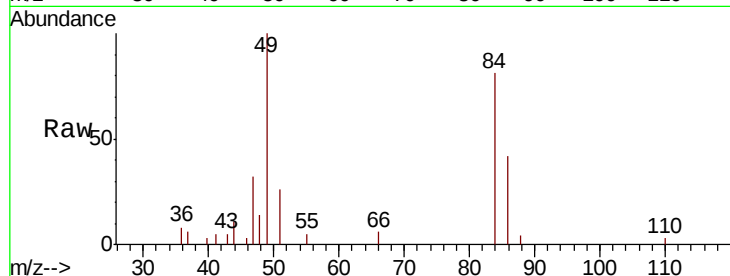




#20
Methvlene Chloride
Concen: 2.907 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD063227.D
Acq: 30 Jul 2019 5:49

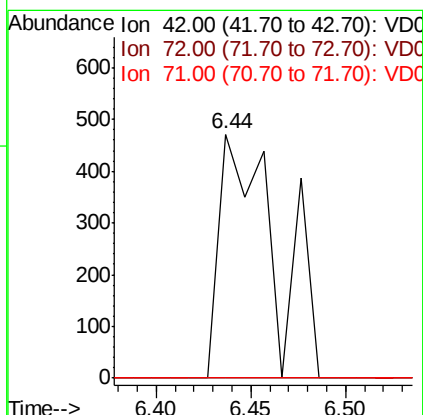
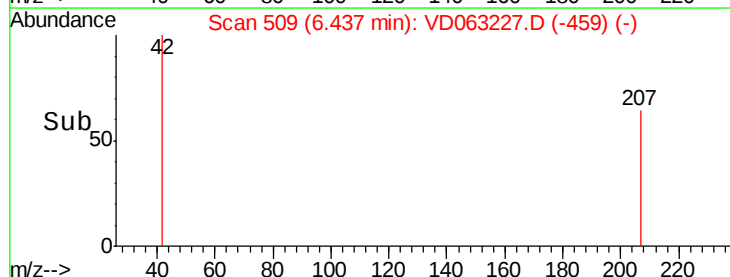
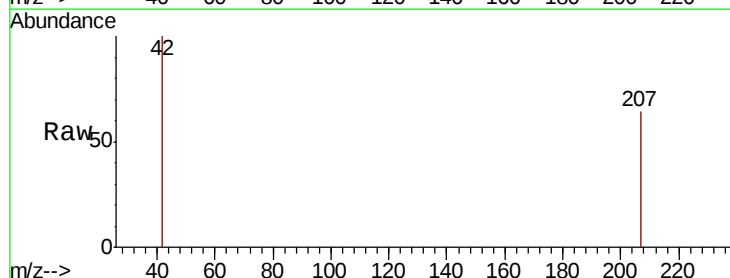
Instrument :
MSVOA_D
ClientSampleId :
OR-03-072919-A

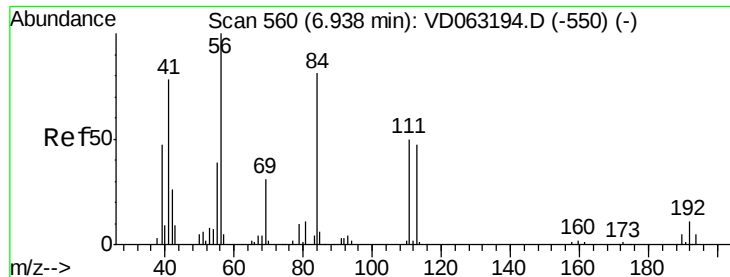
Tot Ion: 84 Resp: 20909
Ion Ratio Lower Upper
84 100
49 123.1 112.5 168.7
51 31.5 29.6 44.4
86 51.6 50.4 75.6



#29
Tetrahydrofuran
Concen: 1.149 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD063227.D
Acq: 30 Jul 2019 5:49

Tgt Ion: 42 Resp: 971
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.2#
71 0.0 35.7 53.5#

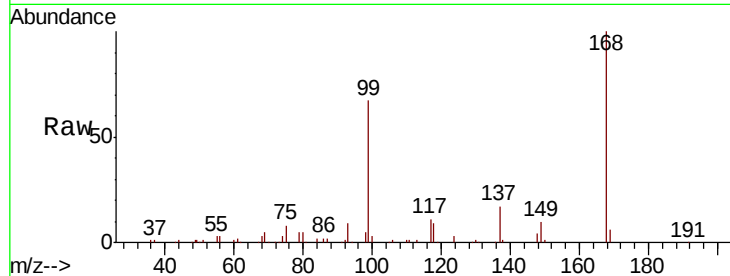




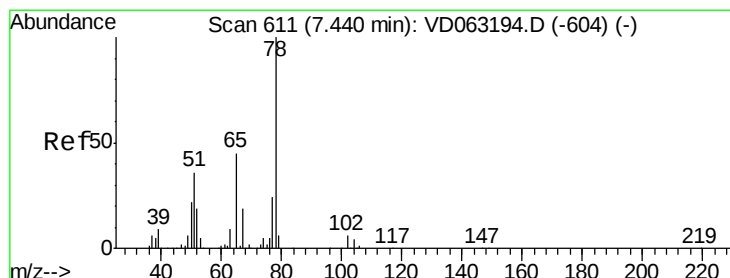
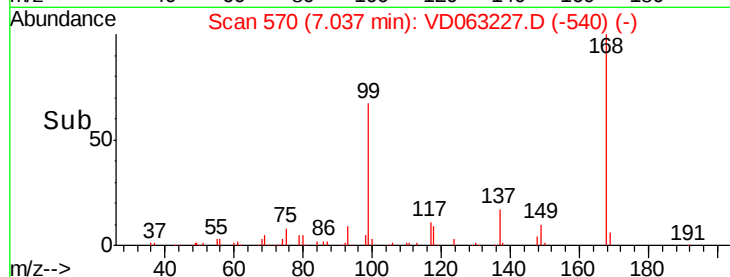
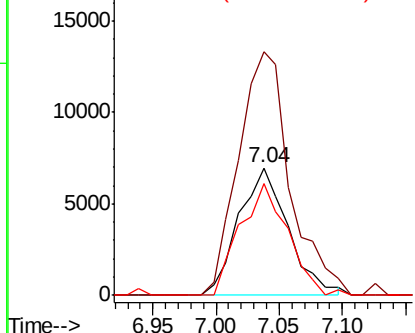
#31
Cyclohexane
Concen: 2.334 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.10 min
Lab File: VD063227.D
Acq: 30 Jul 2019 5:49

Instrument :
MSVOA_D
ClientSampleId :
OR-03-072919-A

Tot Ion: 56 Resp: 18983
Ion Ratio Lower Upper
56 100
69 190.6 24.5 36.7#
84 87.1 64.9 97.3

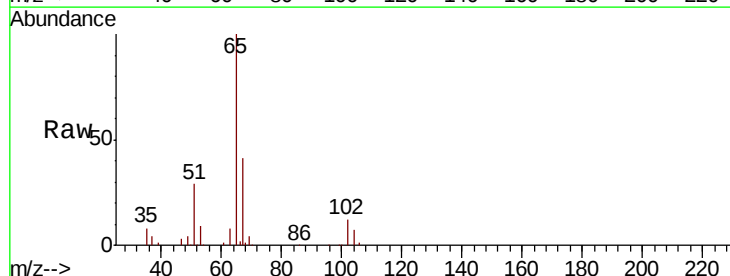


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

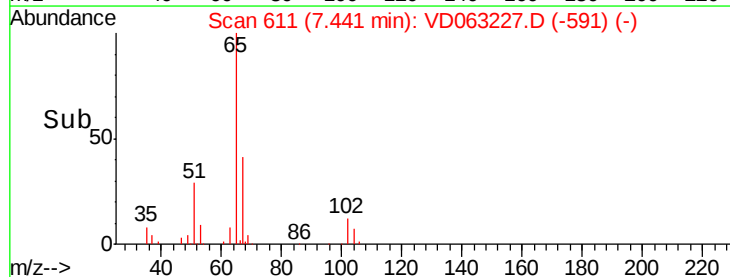
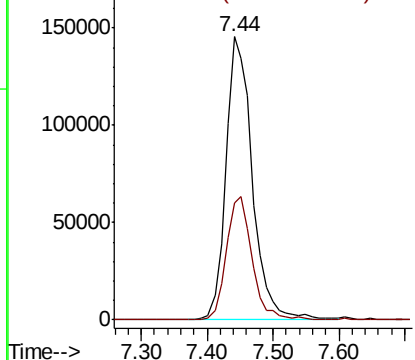


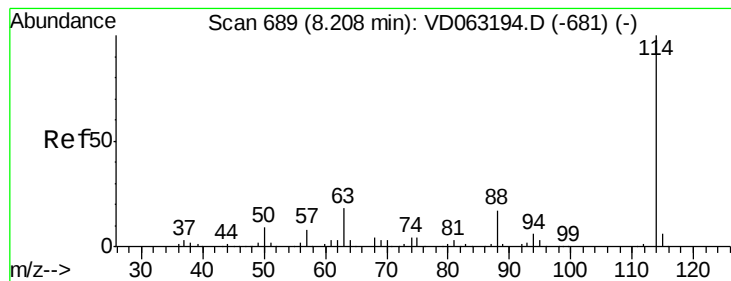
#33
1,2-Dichloroethane-d4
Concen: 44.730 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD063227.D
Acq: 30 Jul 2019 5:49

Tgt Ion: 65 Resp: 408481
Ion Ratio Lower Upper
65 100
67 41.4 0.0 85.8



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: VD063227.D

Acq: 30 Jul 2019 5:49

Instrument :

MSVOA_D

ClientSampleId :

OR-03-072919-A

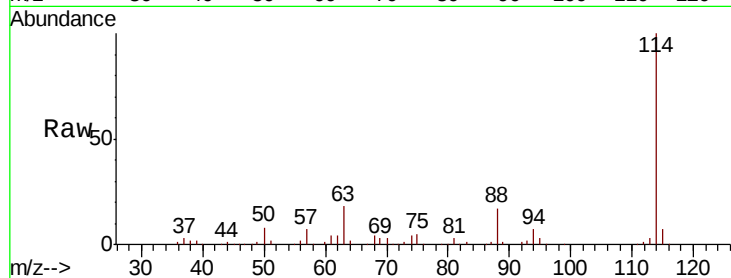
Tot Ion:114 Resp: 1153055

Ion Ratio Lower Upper

114 100

63 17.7 0.0 35.2

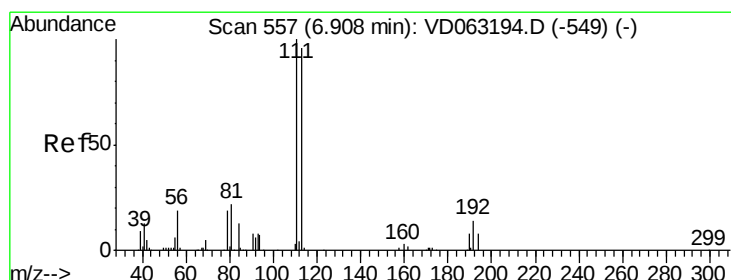
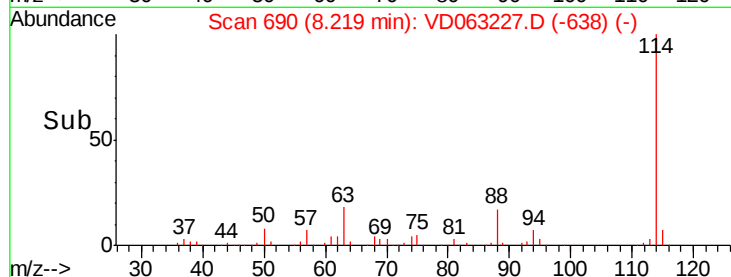
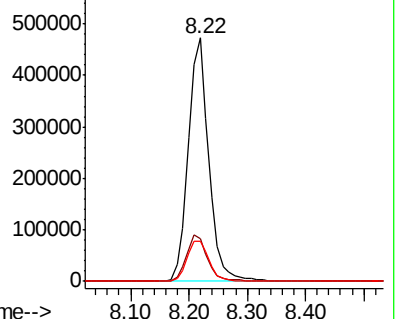
88 16.6 0.0 34.6



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: 46.912 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD063227.D

Acq: 30 Jul 2019 5:49

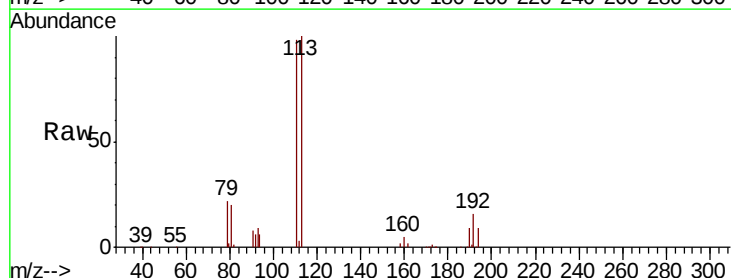
Tgt Ion:113 Resp: 461830

Ion Ratio Lower Upper

113 100

111 98.5 83.2 124.8

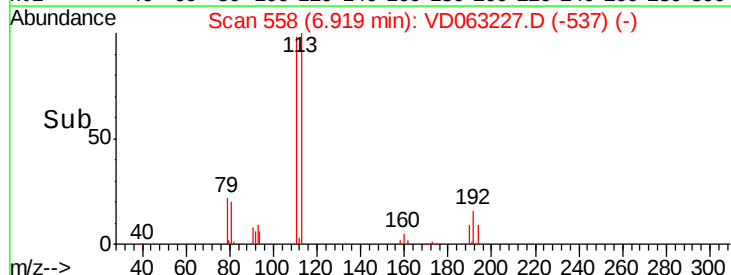
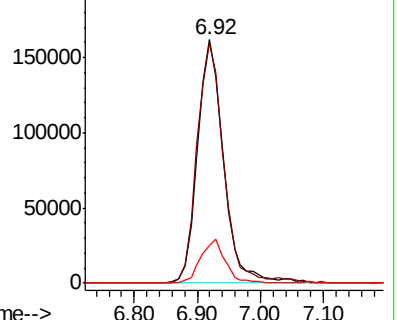
192 15.6 11.8 17.8

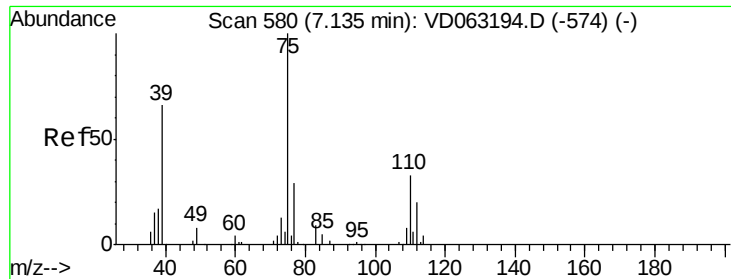


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#36

1,1-Dichloropropene

Concen: 6.307 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.10 min

Lab File: VD063227.D

Acq: 30 Jul 2019 5:49

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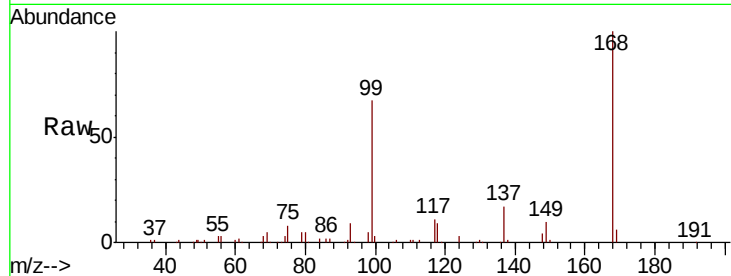
Tot Ion: 75 Resp: 66372

Ion Ratio Lower Upper

75 100

110 7.4 16.1 48.2#

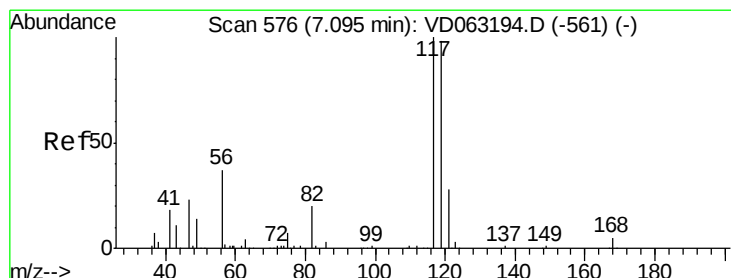
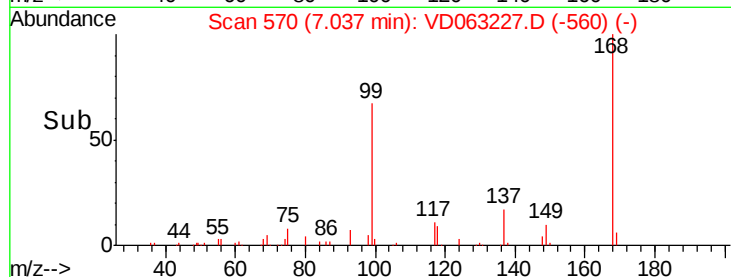
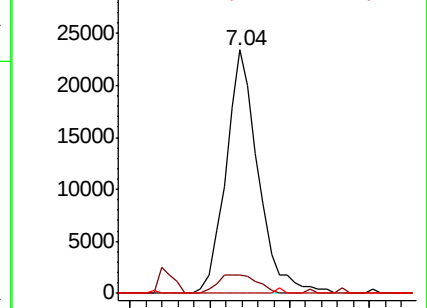
77 0.0 22.7 34.1#



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



#38

Carbon Tetrachloride

Concen: 5.491 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.06 min

Lab File: VD063227.D

Acq: 30 Jul 2019 5:49

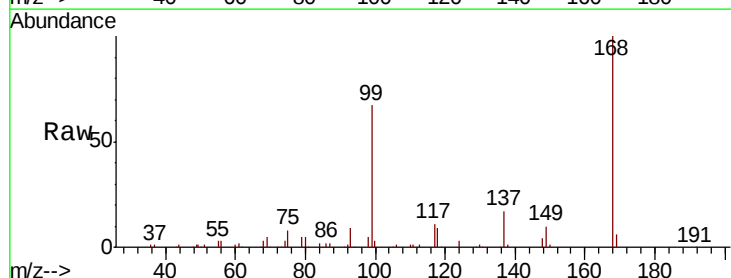
Tgt Ion: 117 Resp: 86997

Ion Ratio Lower Upper

117 100

119 4.3 78.2 117.2#

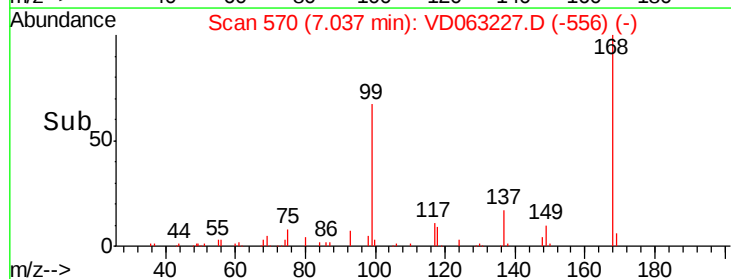
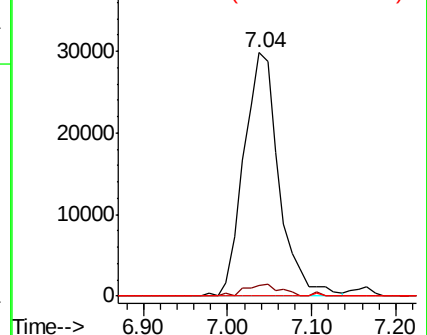
121 0.0 22.1 33.1#

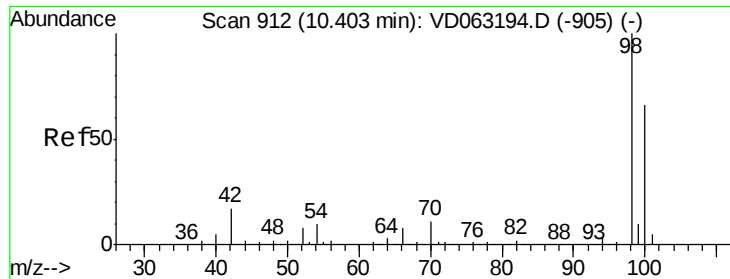


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

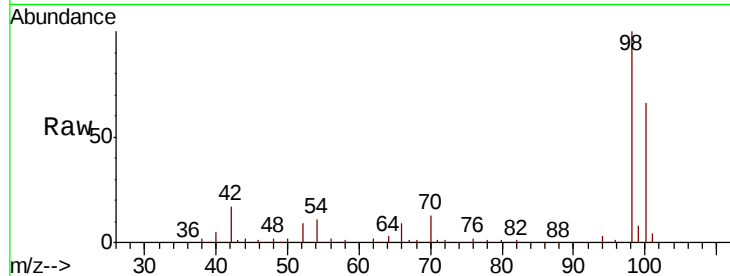




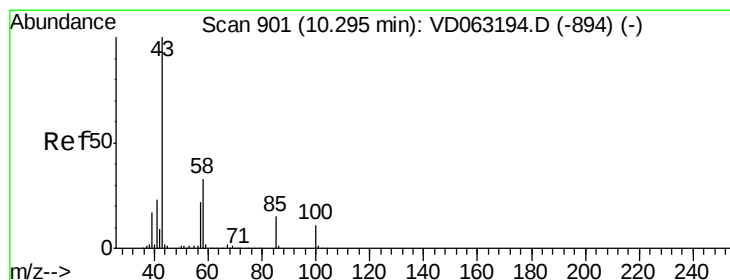
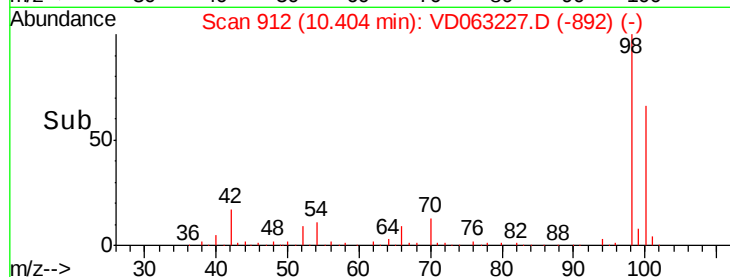
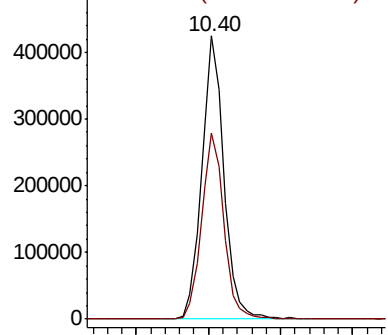
#50
Toluene-d8
Concen: 40.997 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063227.D
Acq: 30 Jul 2019 5:49

Instrument :
MSVOA_D
ClientSampleId :
OR-03-072919-A

Tot Ion: 98 Resp: 903253
Ion Ratio Lower Upper
98 100
100 65.6 53.2 79.8

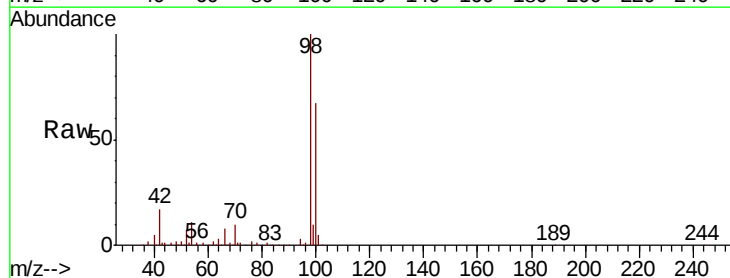


Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

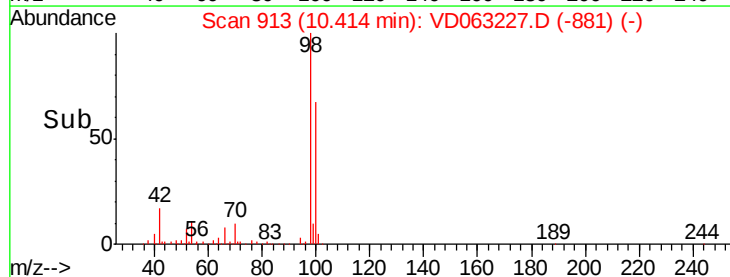
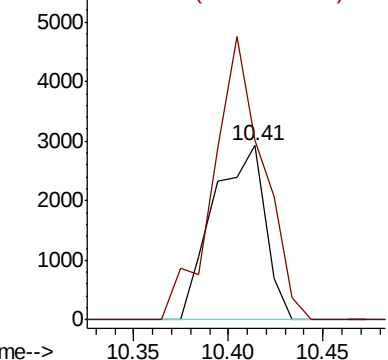


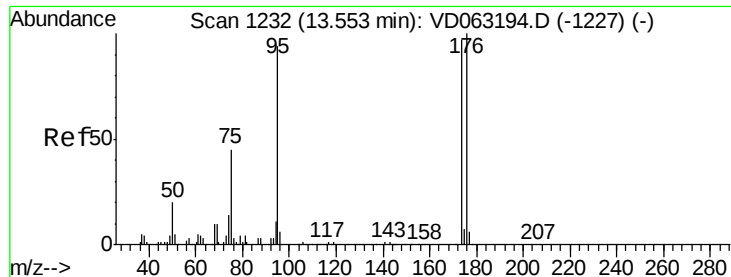
#51
4-Methyl-2-Pentanone
Concen: 1.352 ug/l
RT: 10.41 min Scan# 913
Delta R.T. 0.12 min
Lab File: VD063227.D
Acq: 30 Jul 2019 5:49

Tgt Ion: 43 Resp: 5553
Ion Ratio Lower Upper
43 100
58 103.0 26.2 39.2#



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

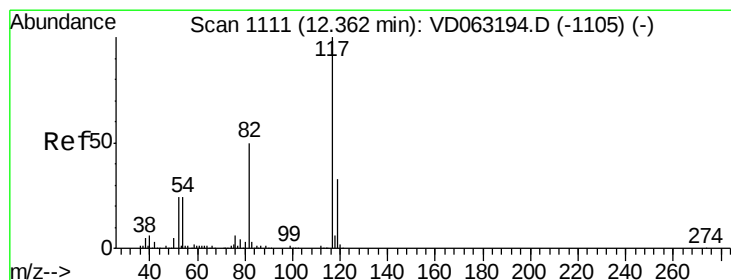
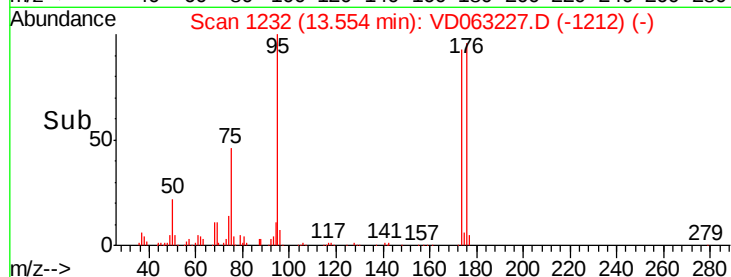
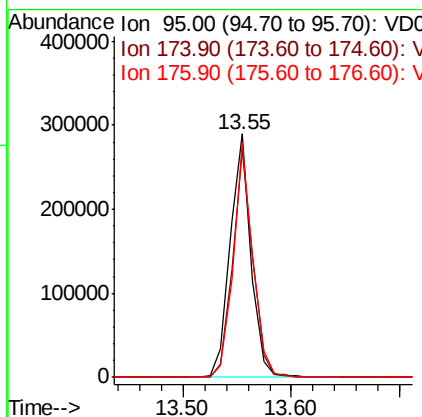
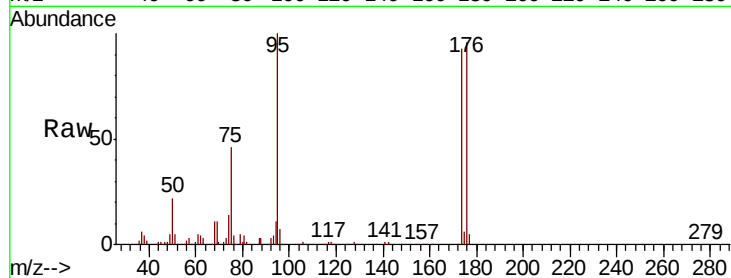




#62
4-Bromofluorobenzene
Concen: 38.452 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063227.D
Acq: 30 Jul 2019 5:49

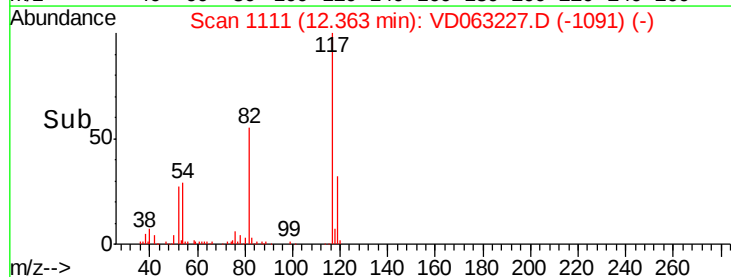
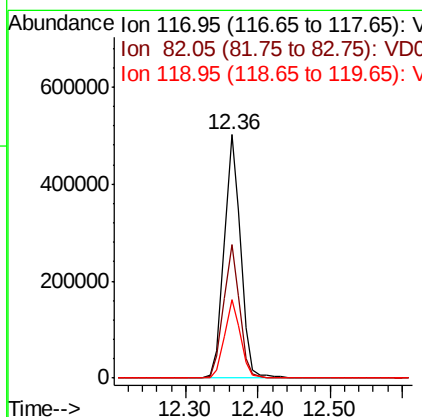
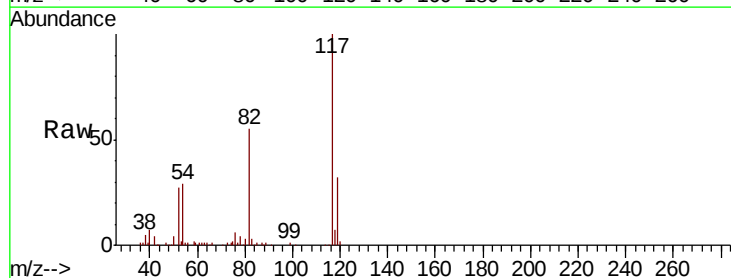
Instrument :
MSVOA_D
ClientSampleId :
OR-03-072919-A

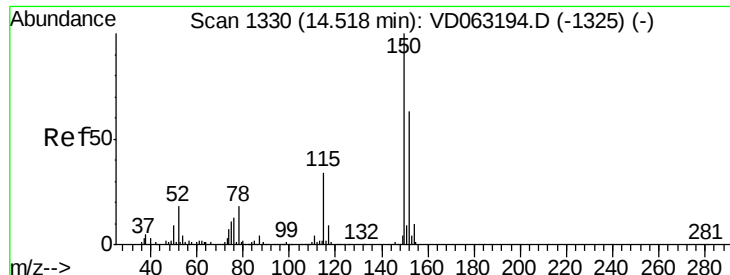
Tot Ion	95	Resp	386053
Ion Ratio	Lower	Upper	
95	100		
174	93.4	0.0	205.4
176	96.2	0.0	211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063227.D
Acq: 30 Jul 2019 5:49

Tgt Ion	117	Resp	787766
Ion Ratio	Lower	Upper	
117	100		
82	54.8	40.1	60.1
119	32.3	26.5	39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VD063227.D

Acq: 30 Jul 2019 5:49

Instrument :

MSVOA_D

ClientSampleId :

OR-03-072919-A

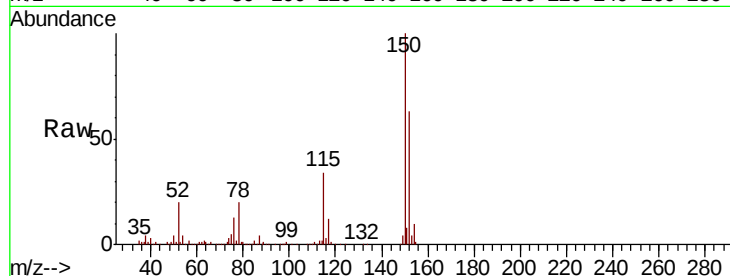
Tot Ion:152 Resp: 409545

Ion Ratio Lower Upper

152 100

115 53.9 27.5 82.4

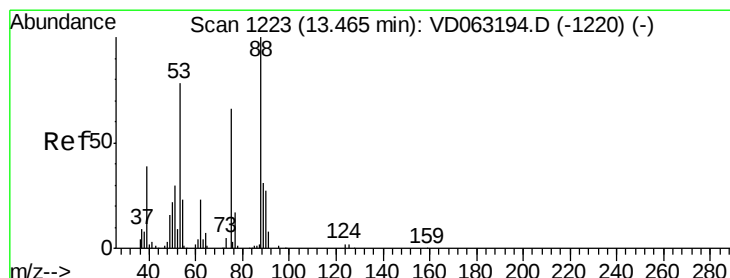
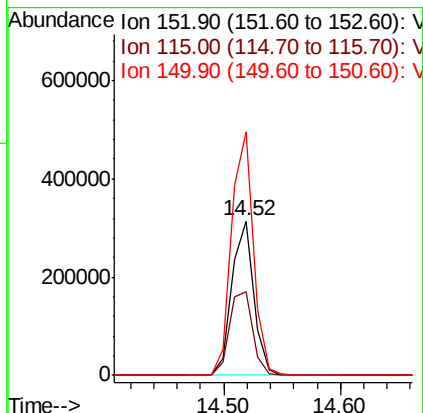
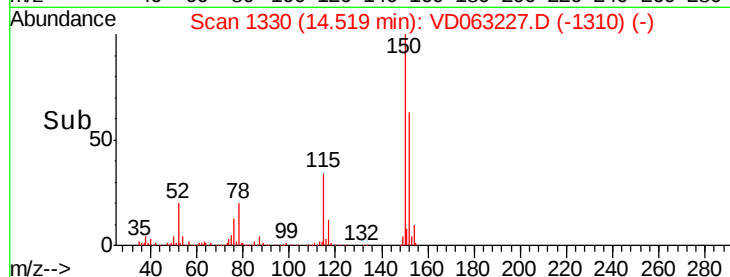
150 158.0 0.0 320.6



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: 136.319 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD063227.D

Acq: 30 Jul 2019 5:49

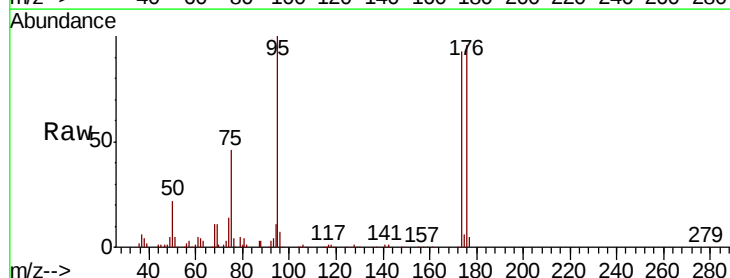
Tgt Ion: 75 Resp: 186205

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#



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

