

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
 Data File : VD063173.D
 Acq On : 22 Jul 2019 13:30
 Operator : VA/AP
 Sample : K3622-11
 Misc : 6.59g/5ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-B

Quant Time: Jul 23 07:48:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	877973	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1257755	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.38	117	974612	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	455901	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	667662	61.05	ug/l	0.00
Spiked Amount			Recovery	=	122.10%	
35) Dibromofluoromethane	6.93	113	775976	61.94	ug/l	0.02
Spiked Amount			Recovery	=	123.88%	
50) Toluene-d8	10.42	98	1622252	60.29	ug/l	0.02
Spiked Amount			Recovery	=	120.58%	
62) 4-Bromofluorobenzene	13.56	95	650369	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	

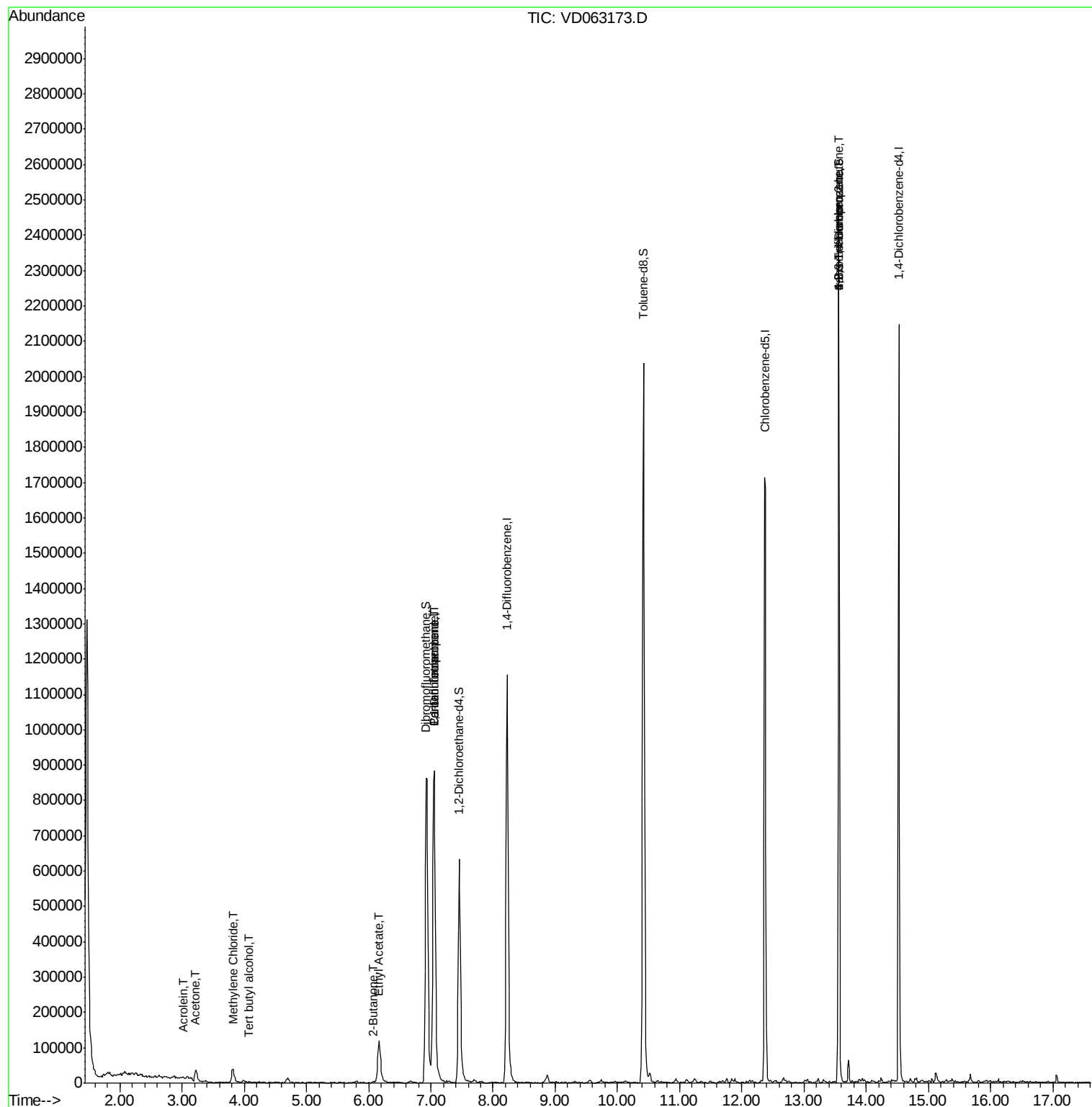
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	592	Below Cal	#	43
3) Chloromethane	1.74	50	311	Below Cal	#	48
5) Bromomethane	2.15	94	1339	Below Cal	#	13
11) Tert butyl alcohol	4.07	59	719	1.139	ug/l #	77
13) Acrolein	3.03	56	733	3.848	ug/l #	17
16) Acetone	3.22	43	63885	24.185	ug/l	98
18) Methyl Acetate	3.66	43	1571	Below Cal	#	63
20) Methylene Chloride	3.81	84	21278	2.132	ug/l #	93
25) 2-Butanone	6.08	43	9646	3.824	ug/l #	71
36) 1,1-Dichloropropene	7.04	75	62228	4.399	ug/l #	45
37) Ethyl Acetate	6.18	43	9259	1.529	ug/l #	1
38) Carbon Tetrachloride	7.05	117	84240	3.919	ug/l #	14
76) 1,2,3-Trichloropropane	13.56	75	229060	32.662	ug/l #	44
81) trans-1,4-Dichloro-2-buten	13.56	75	301952	163.500	ug/l #	1

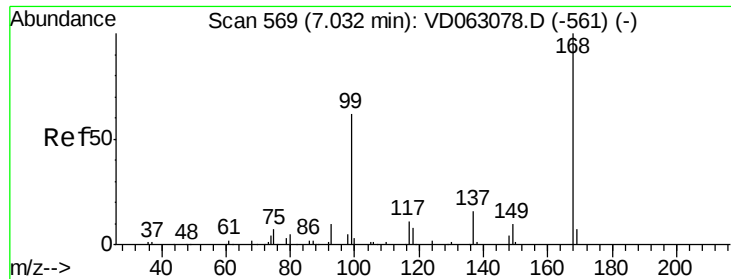
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.02 min

Lab File: VD063173.D

Acq: 22 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

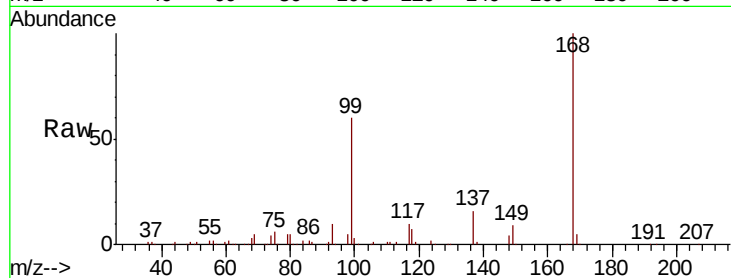
OR-02-071919-B

Tot Ion:168 Resp: 877973

Ion Ratio Lower Upper

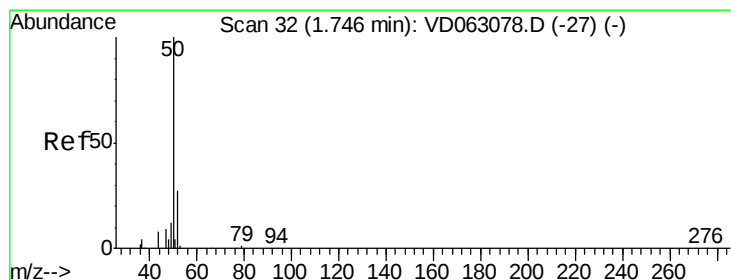
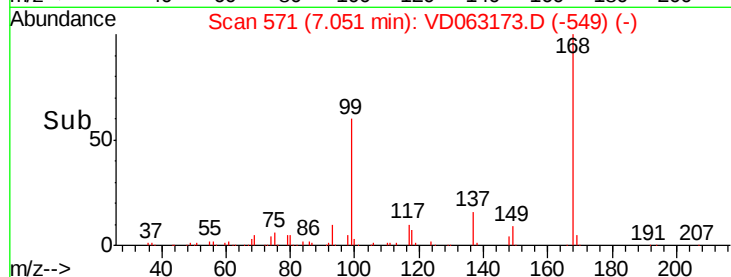
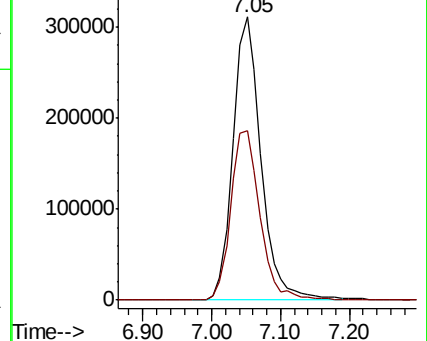
168 100

99 59.7 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: Below Cal

RT: 1.74 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD063173.D

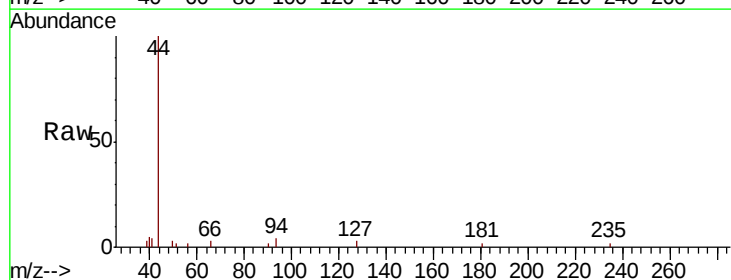
Acq: 22 Jul 2019 13:30

Tgt Ion: 50 Resp: 311

Ion Ratio Lower Upper

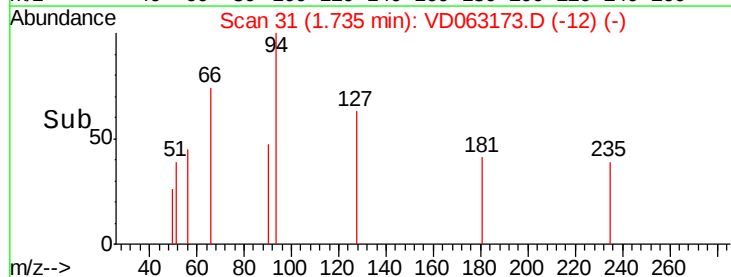
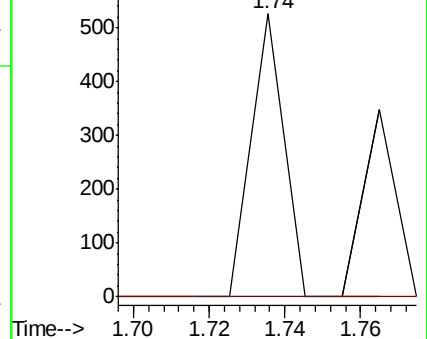
50 100

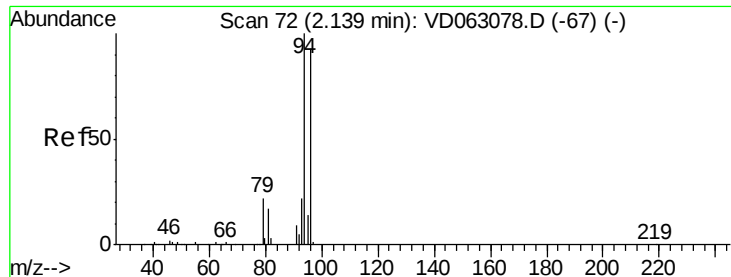
52 0.0 21.4 32.2#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Bromomethane

Concen: Below Cal

RT: 2.15 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063173.D

Acq: 22 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-B

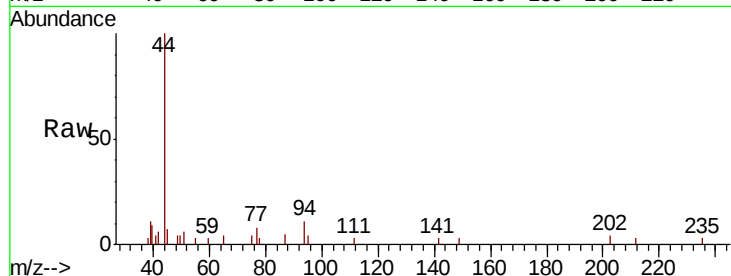
Tot Ion: 94 Resp: 1339

Ion Ratio Lower Upper

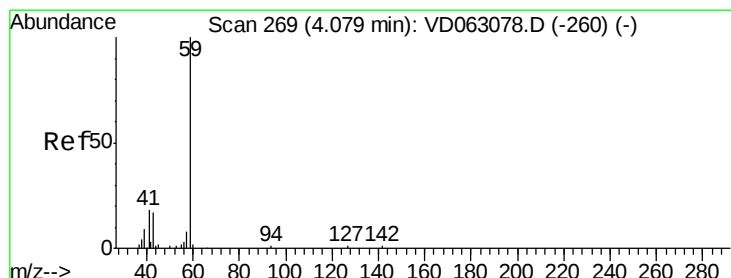
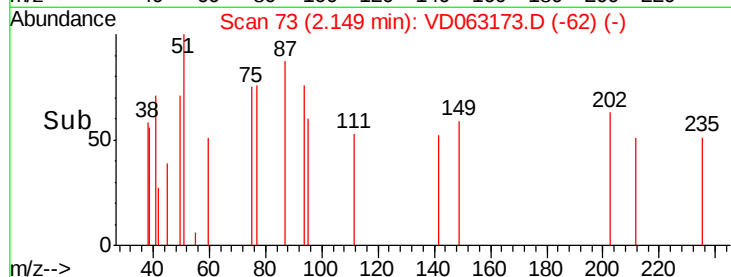
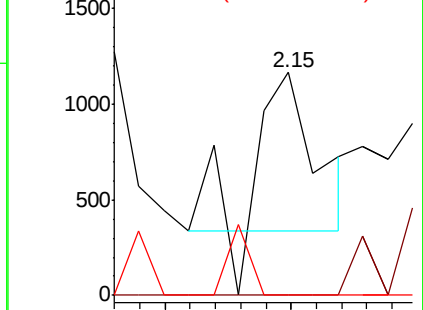
94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#11

Tert butyl alcohol

Concen: 1.139 ug/l

RT: 4.07 min Scan# 268

Delta R.T. -0.01 min

Lab File: VD063173.D

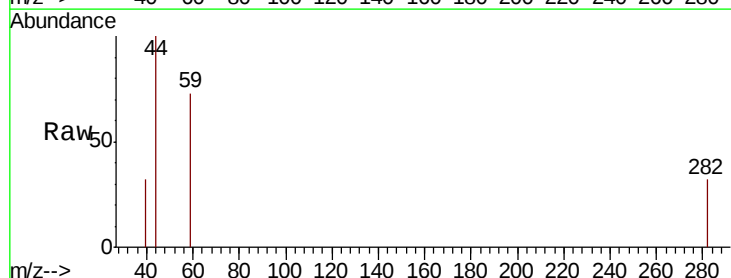
Acq: 22 Jul 2019 13:30

Tgt Ion: 59 Resp: 719

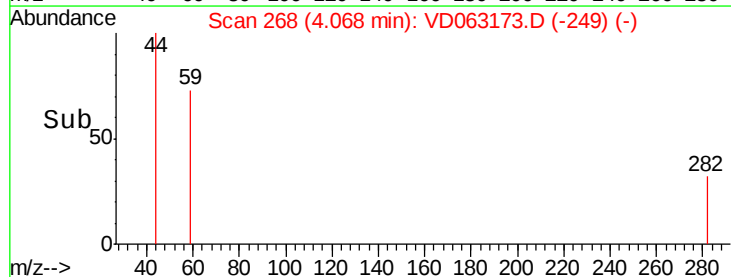
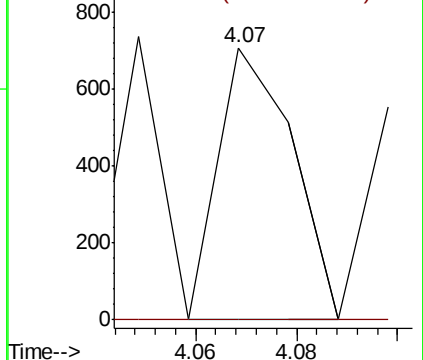
Ion Ratio Lower Upper

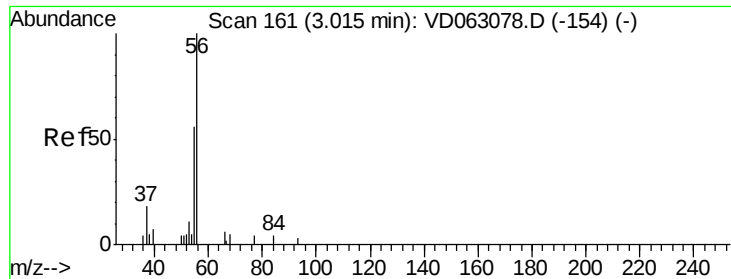
59 100

57 0.0 6.4 9.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

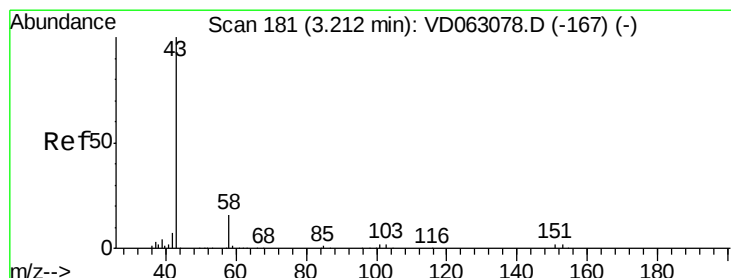
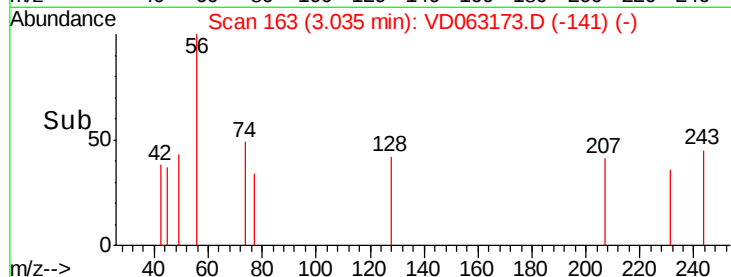
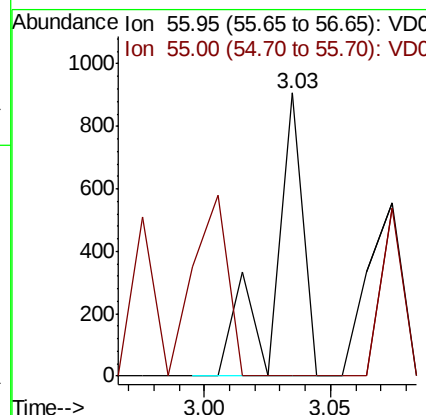
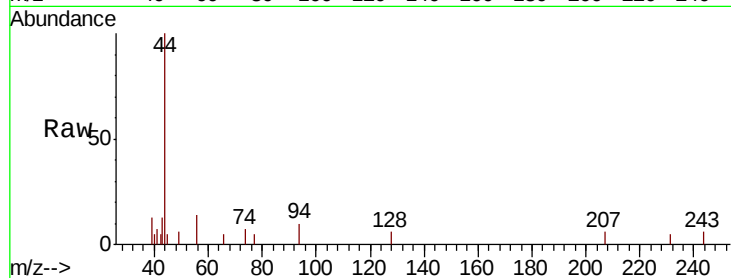




#13
Acrolein
Concen: 3.848 ug/l
RT: 3.03 min Scan# 163
Delta R.T. 0.02 min
Lab File: VD063173.D
Acq: 22 Jul 2019 13:30

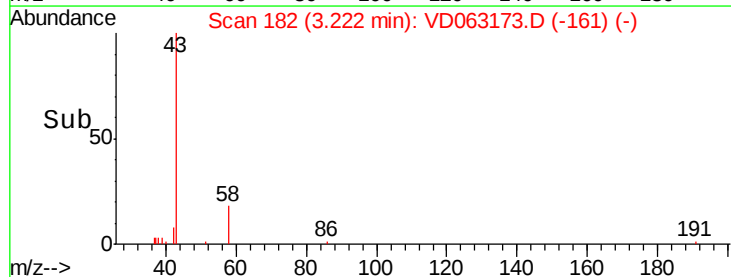
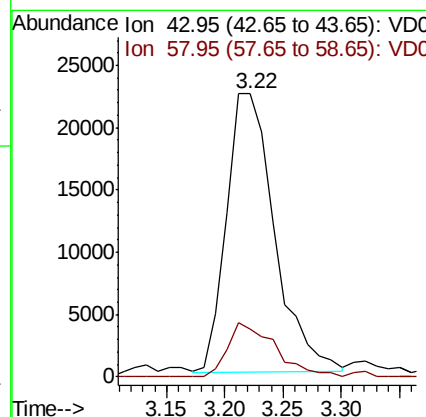
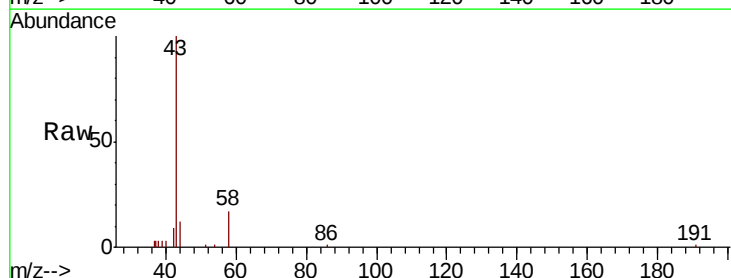
Instrument :
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OR-02-071919-B

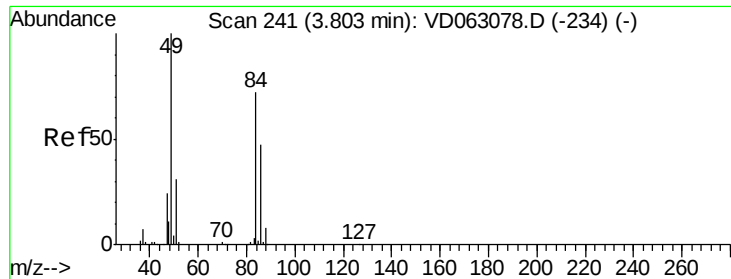
Tot Ion: 56 Resp: 733
Ion Ratio Lower Upper
56 100
55 0.0 53.0 79.4#



#16
Acetone
Concen: 24.185 ug/l
RT: 3.22 min Scan# 182
Delta R.T. 0.01 min
Lab File: VD063173.D
Acq: 22 Jul 2019 13:30

Tgt Ion: 43 Resp: 63885
Ion Ratio Lower Upper
43 100
58 16.9 13.0 19.4

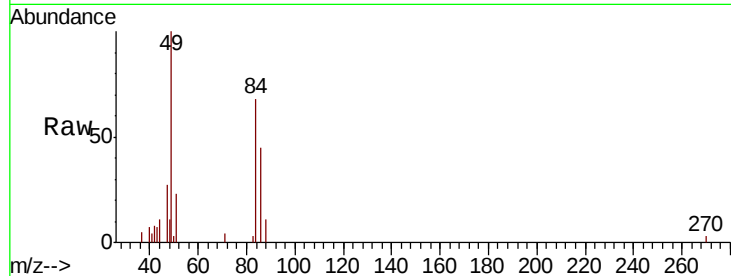




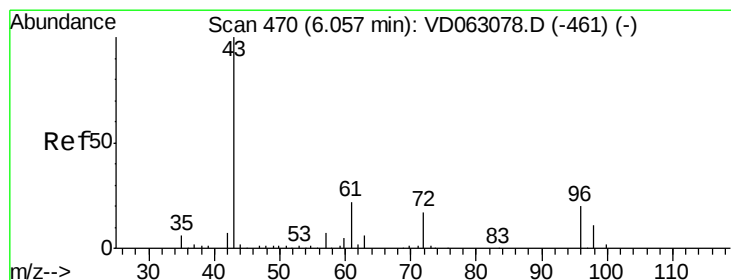
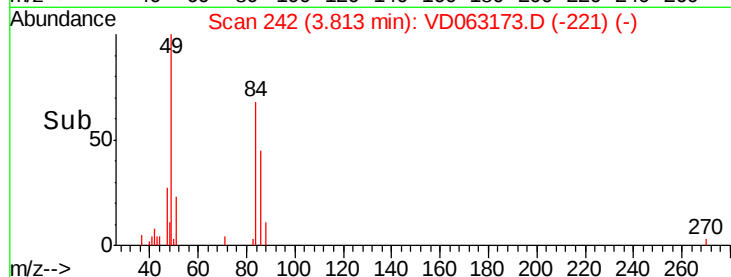
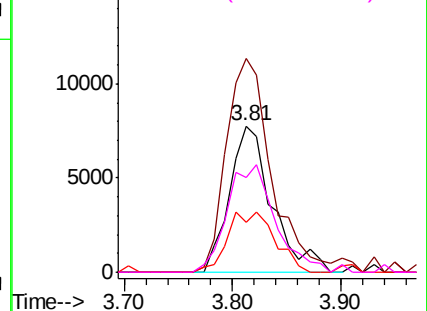
#20
Methvlene Chloride
Concen: 2.132 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD063173.D
Acq: 22 Jul 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
OR-02-071919-B

Tot Ion: 84 Resp: 21278
Ion Ratio Lower Upper
84 100
49 146.3 110.5 165.7
51 34.1 34.6 51.8#
86 65.2 51.6 77.4

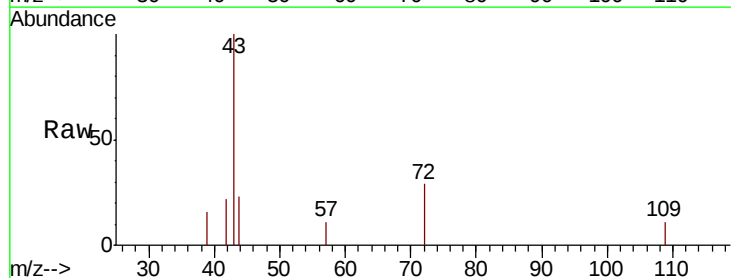


Abundance Ion 83.95 (83.65 to 84.65): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

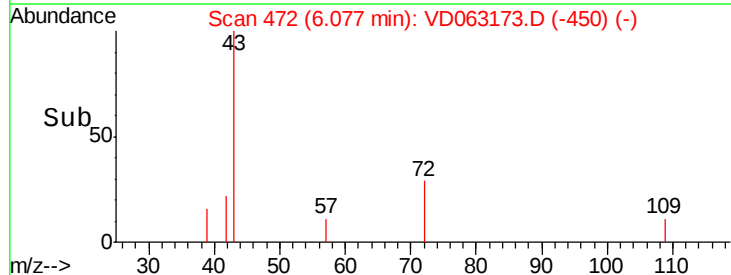
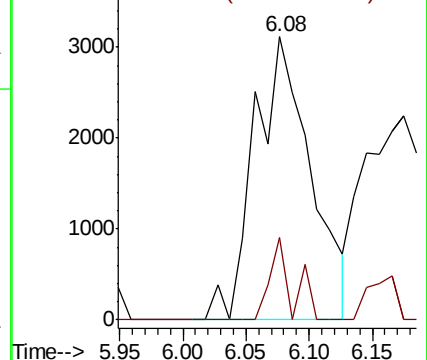


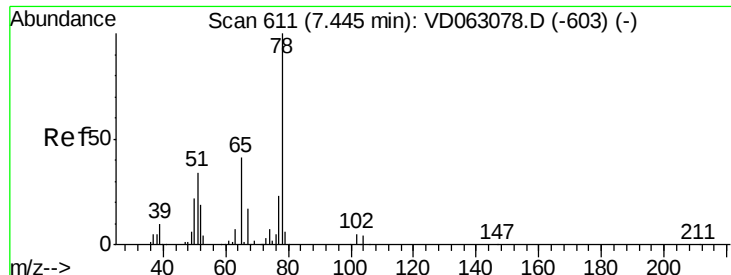
#25
2-Butanone
Concen: 3.824 ug/l
RT: 6.08 min Scan# 472
Delta R.T. 0.02 min
Lab File: VD063173.D
Acq: 22 Jul 2019 13:30

Tgt Ion: 43 Resp: 9646
Ion Ratio Lower Upper
43 100
72 29.3 13.4 20.0#



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

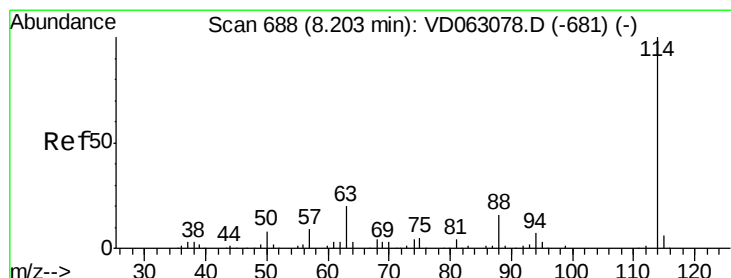
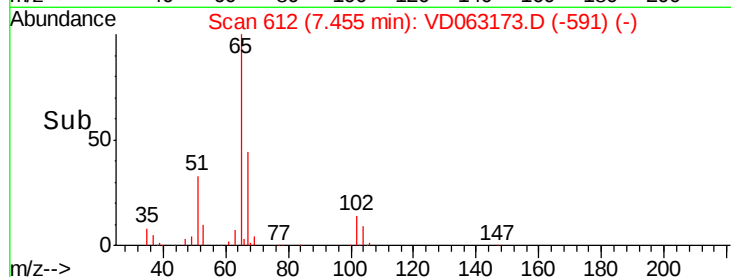
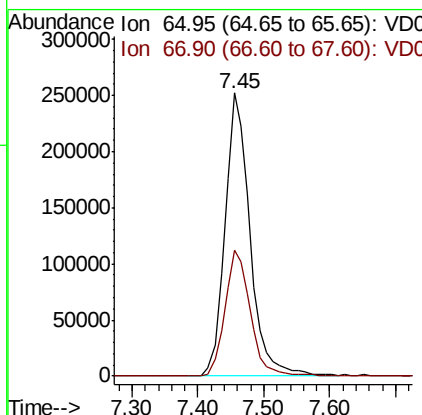
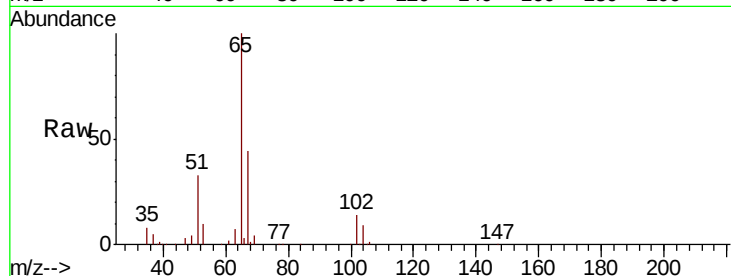




#33
 1,2-Dichloroethane-d4
 Concen: 61.047 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD063173.D
 Acq: 22 Jul 2019 13:30

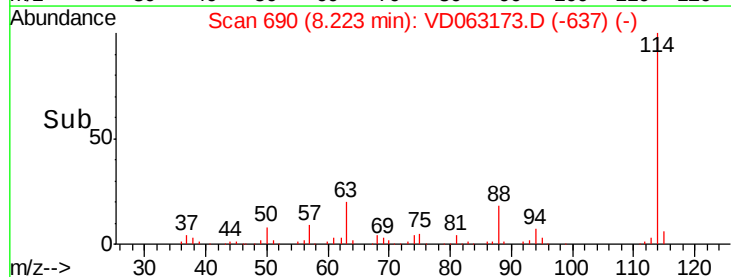
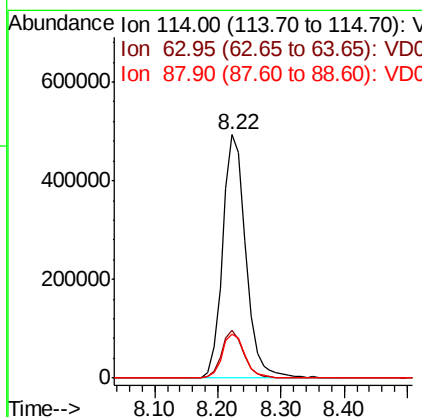
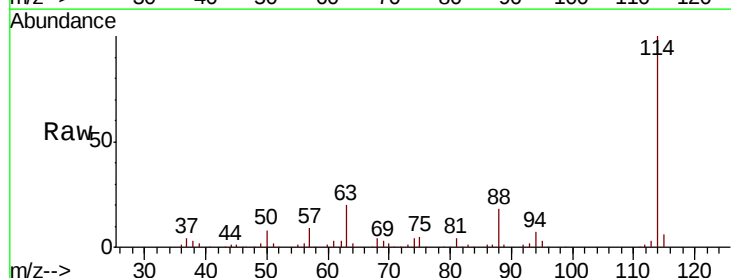
Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-B

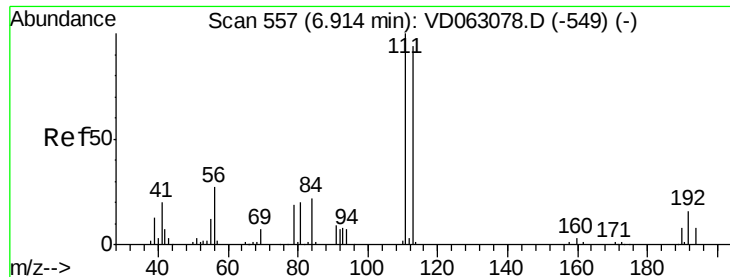
Tot Ion: 65 Resp: 667662
 Ion Ratio Lower Upper
 65 100
 67 44.3 0.0 86.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.02 min
 Lab File: VD063173.D
 Acq: 22 Jul 2019 13:30

Tgt Ion: 114 Resp: 1257755
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.6
 88 18.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 61.942 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.02 min

Lab File: VD063173.D

Acq: 22 Jul 2019 13:30

Instrument :

MSVOA_D

ClientSampleId :

OR-02-071919-B

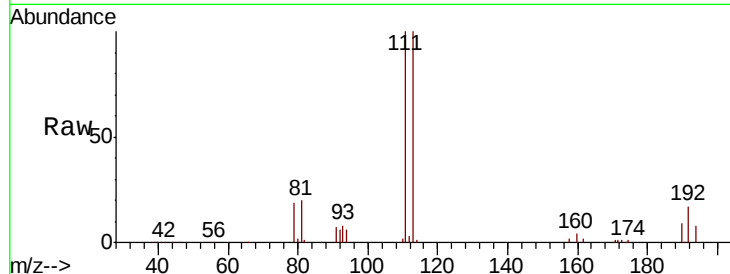
Tot Ion:113 Resp: 775976

Ion Ratio Lower Upper

113 100

111 100.3 84.8 127.2

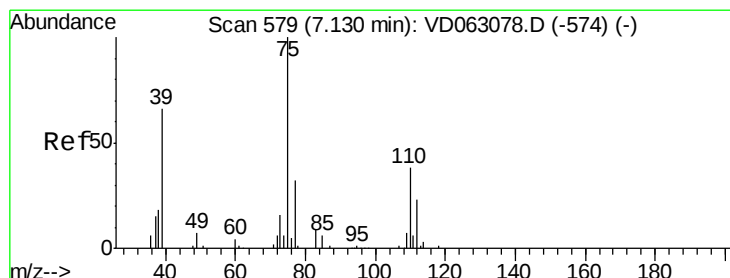
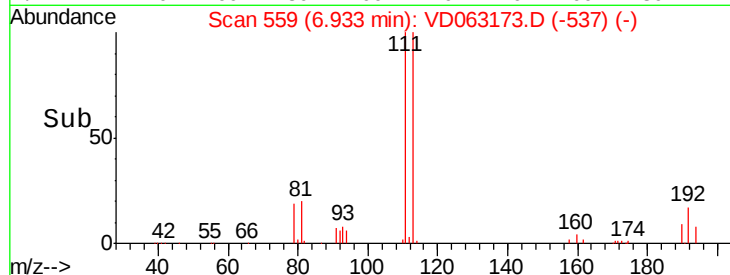
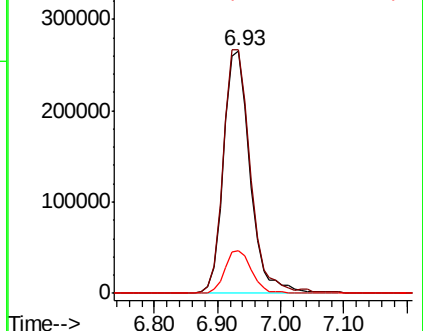
192 17.5 13.4 20.0



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: 4.399 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063173.D

Acq: 22 Jul 2019 13:30

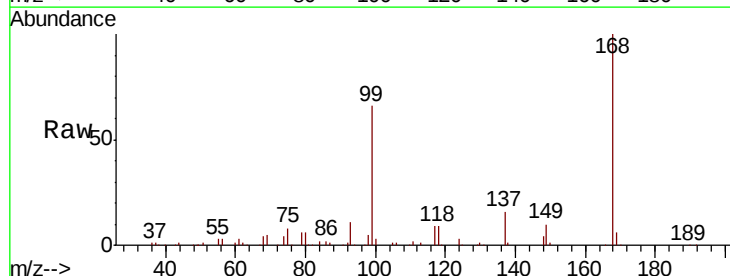
Tgt Ion: 75 Resp: 62228

Ion Ratio Lower Upper

75 100

110 6.0 18.9 56.5#

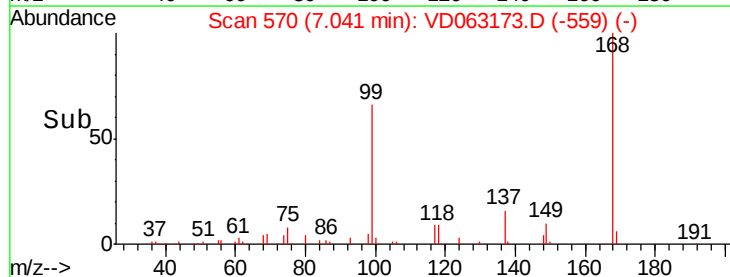
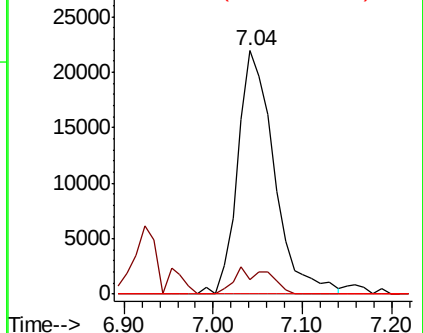
77 0.0 25.2 37.8#

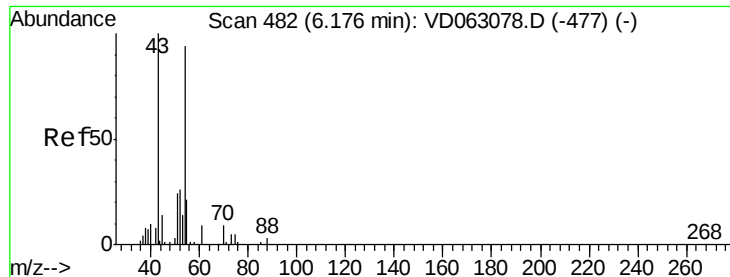


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#37

Ethyl Acetate

Concen: 1.529 ug/l

RT: 6.18 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD063173.D

Acq: 22 Jul 2019 13:30

Instrument :

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ClientSampleId :

OR-02-071919-B

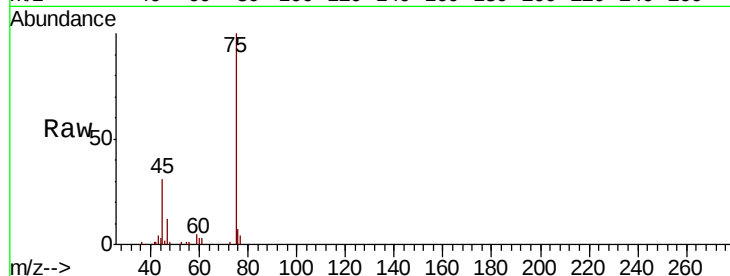
Tot Ion: 43 Resp: 9259

Ion Ratio Lower Upper

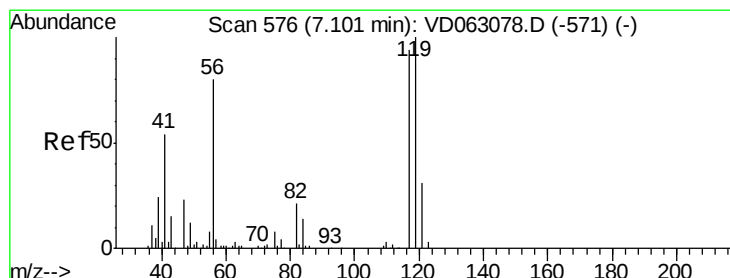
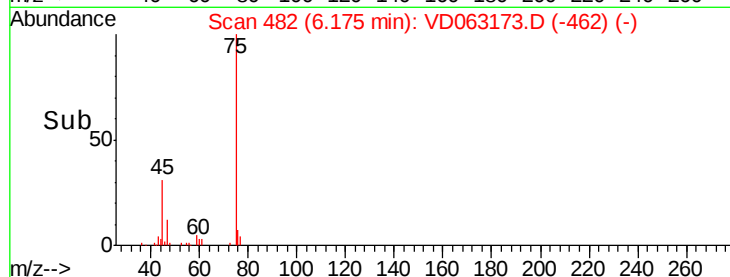
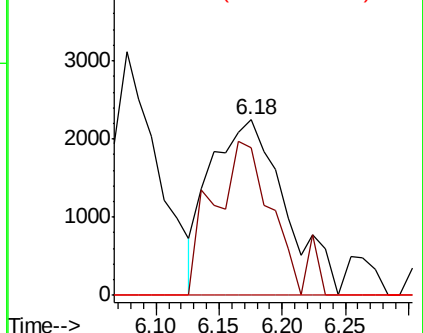
43 100

61 84.1 10.6 16.0#

70 0.0 6.6 9.8#



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: 3.919 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.05 min

Lab File: VD063173.D

Acq: 22 Jul 2019 13:30

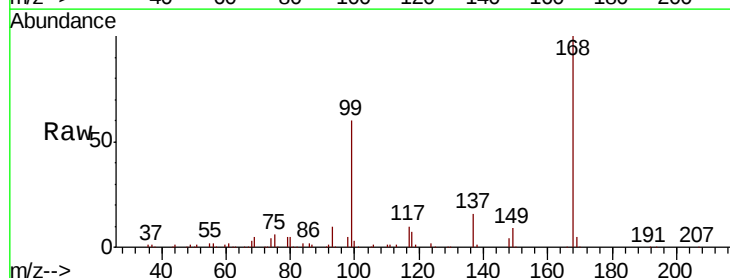
Tgt Ion: 117 Resp: 84240

Ion Ratio Lower Upper

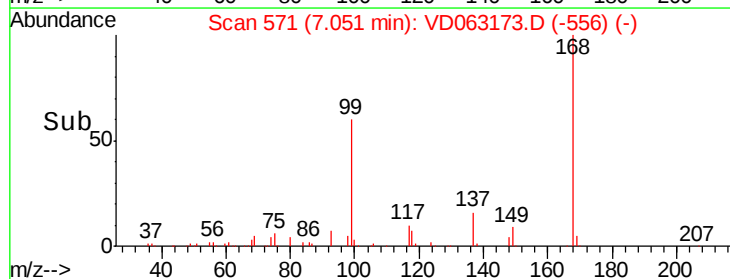
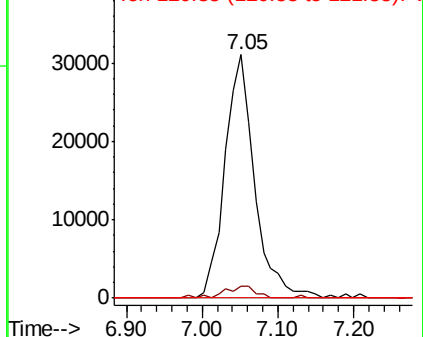
117 100

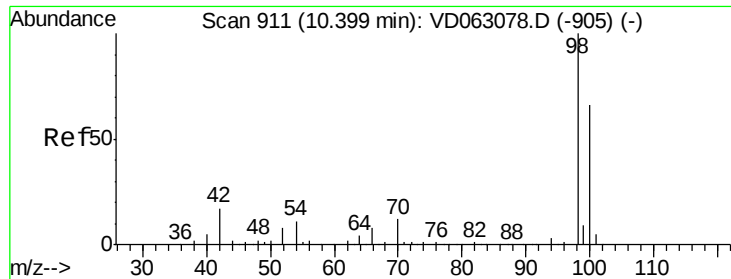
119 5.1 80.0 120.0#

121 0.0 25.0 37.4#



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

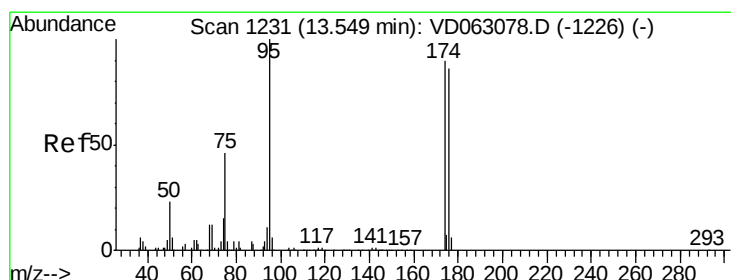
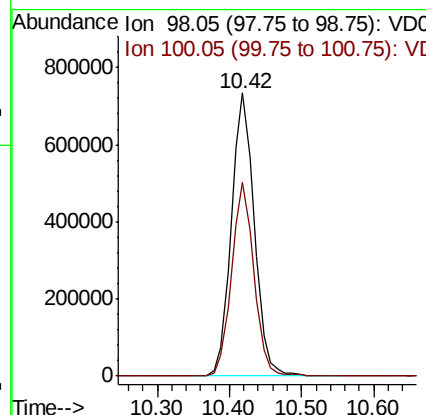
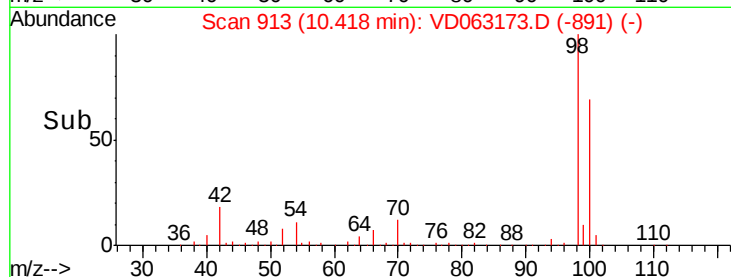
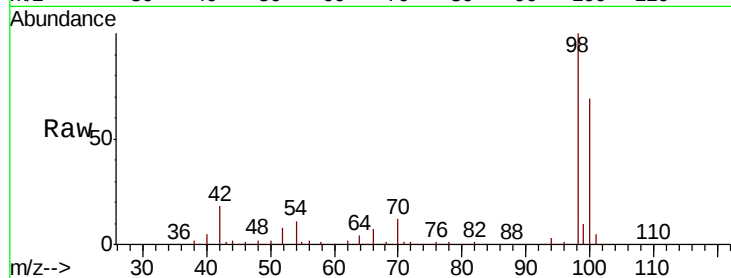




#50
Toluene-d8
Concen: 60.286 ug/l
RT: 10.42 min Scan# 913
Delta R.T. 0.02 min
Lab File: VD063173.D
Acq: 22 Jul 2019 13:30

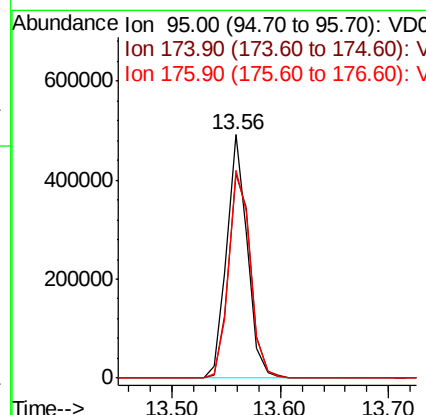
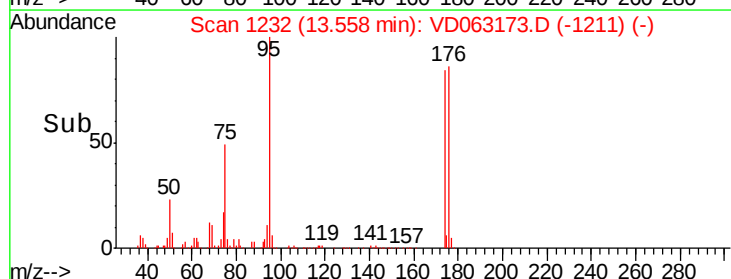
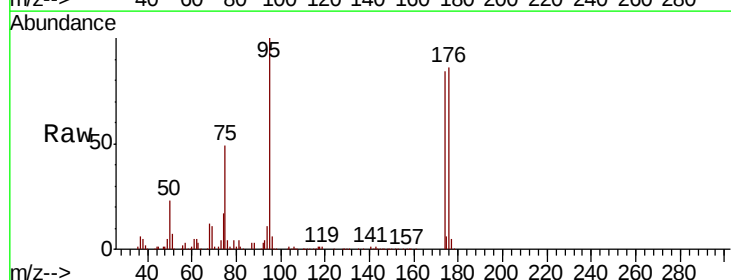
Instrument :
MSVOA_D
ClientSampleId :
OR-02-071919-B

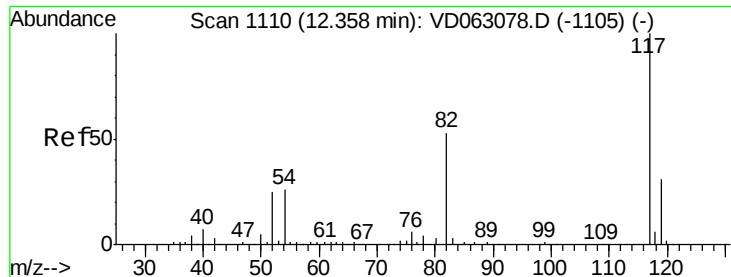
Tot Ion: 98 Resp: 1622252
Ion Ratio Lower Upper
98 100
100 68.5 53.5 80.3



#62
4-Bromofluorobenzene
Concen: 52.242 ug/l
RT: 13.56 min Scan# 1232
Delta R.T. 0.01 min
Lab File: VD063173.D
Acq: 22 Jul 2019 13:30

Tgt Ion: 95 Resp: 650369
Ion Ratio Lower Upper
95 100
174 83.8 0.0 180.6
176 85.5 0.0 172.2

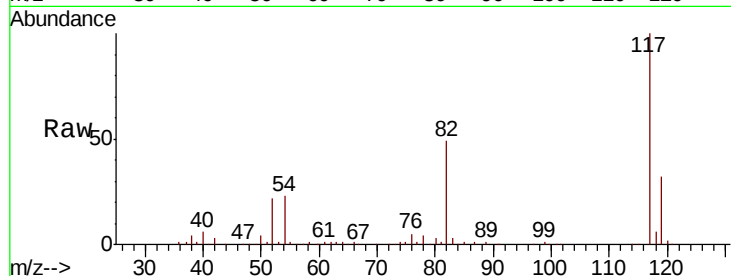




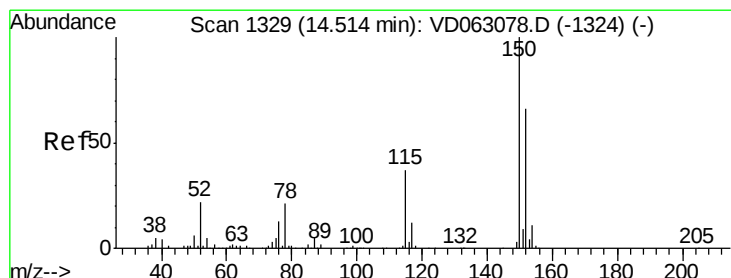
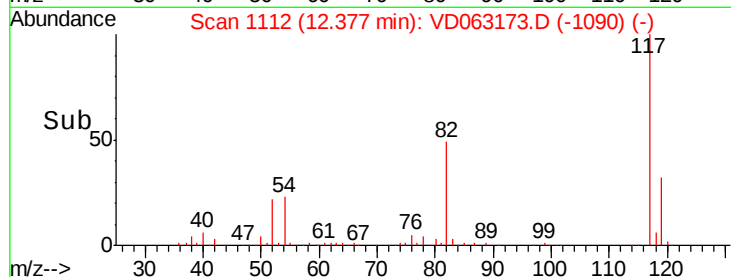
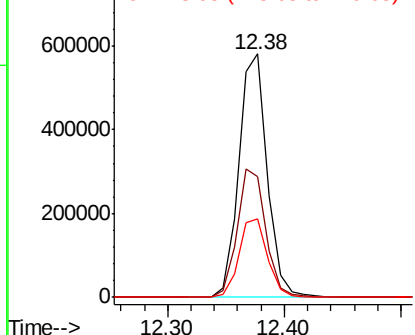
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD063173.D
Acq: 22 Jul 2019 13:30

Instrument :
MSVOA_D
ClientSampleId :
OR-02-071919-B

Tot Ion:117 Resp: 974612
Ion Ratio Lower Upper
117 100
82 49.3 42.3 63.5
119 32.5 25.2 37.8

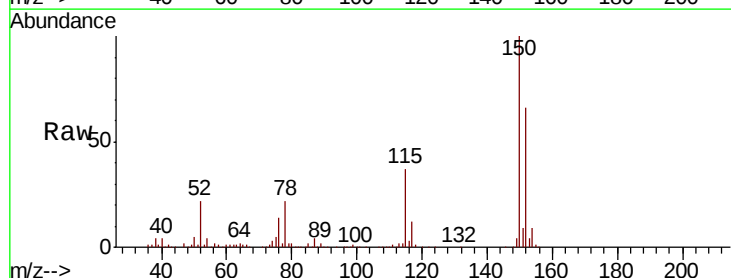


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

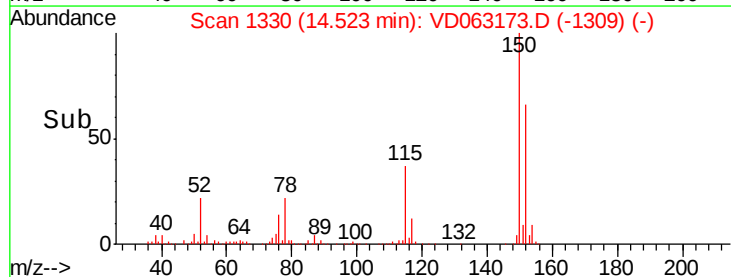
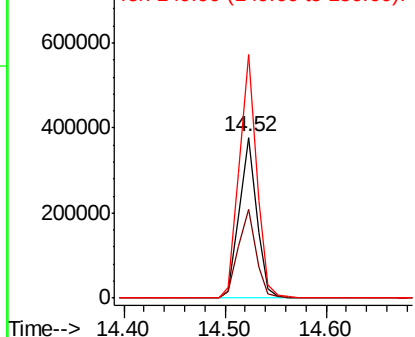


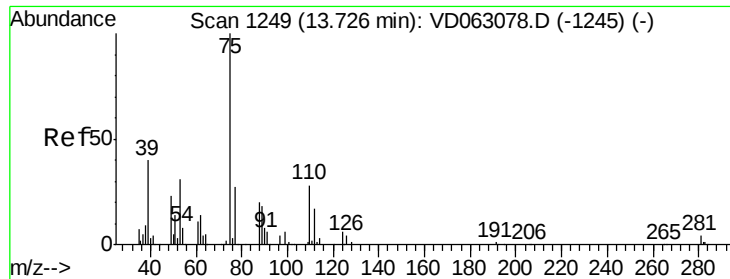
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. 0.01 min
Lab File: VD063173.D
Acq: 22 Jul 2019 13:30

Tgt Ion:152 Resp: 455901
Ion Ratio Lower Upper
152 100
115 55.5 28.9 86.8
150 151.8 0.0 313.8



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

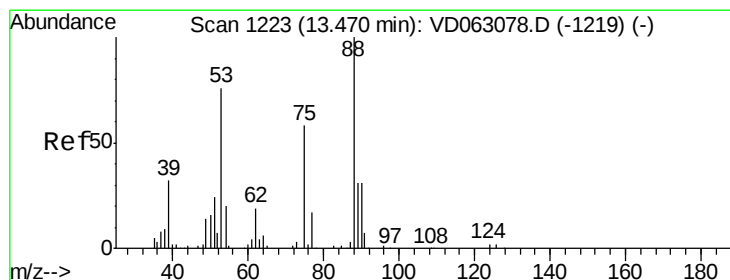
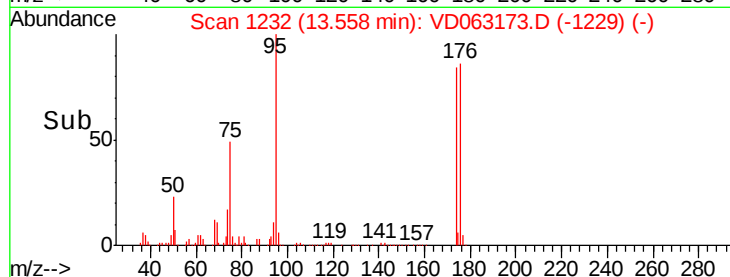
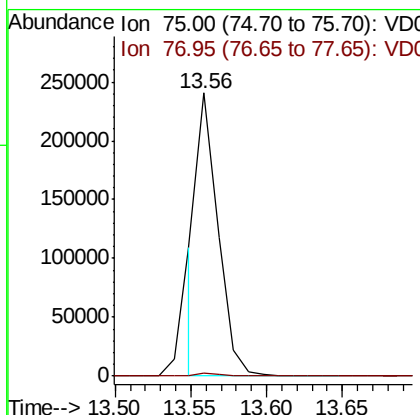
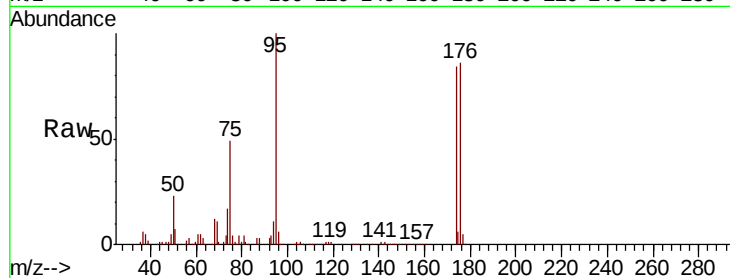




#76
 1,2,3-Trichloropropane
 Concen: 32.662 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. -0.17 min
 Lab File: VD063173.D
 Acq: 22 Jul 2019 13:30

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-071919-B

Tot Ion: 75 Resp: 229060
 Ion Ratio Lower Upper
 75 100
 77 1.1 16.3 48.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.500 ug/l
 RT: 13.56 min Scan# 1232
 Delta R.T. 0.09 min
 Lab File: VD063173.D
 Acq: 22 Jul 2019 13:30

Tgt Ion: 75 Resp: 301952
 Ion Ratio Lower Upper
 75 100
 53 0.0 104.4 156.6#
 89 0.0 43.1 64.7#

