

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071619\
 Data File : VD063111.D
 Acq On : 16 Jul 2019 17:22
 Operator : VA/AP
 Sample : K3623-03
 Misc : 5.41g/5ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EO-02-071519-B

Quant Time: Jul 17 07:37:05 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	7.03	168	541738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	730657	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	508957	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	168875	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	332562	49.28	ug/l	0.00
Spiked Amount			Recovery	=	98.56%	
35) Dibromofluoromethane	6.91	113	352573	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	10.40	98	617197	39.48	ug/l	0.00
Spiked Amount			Recovery	=	78.96%	
62) 4-Bromofluorobenzene	13.55	95	230125	31.82	ug/l	0.00
Spiked Amount			Recovery	=	63.64%	

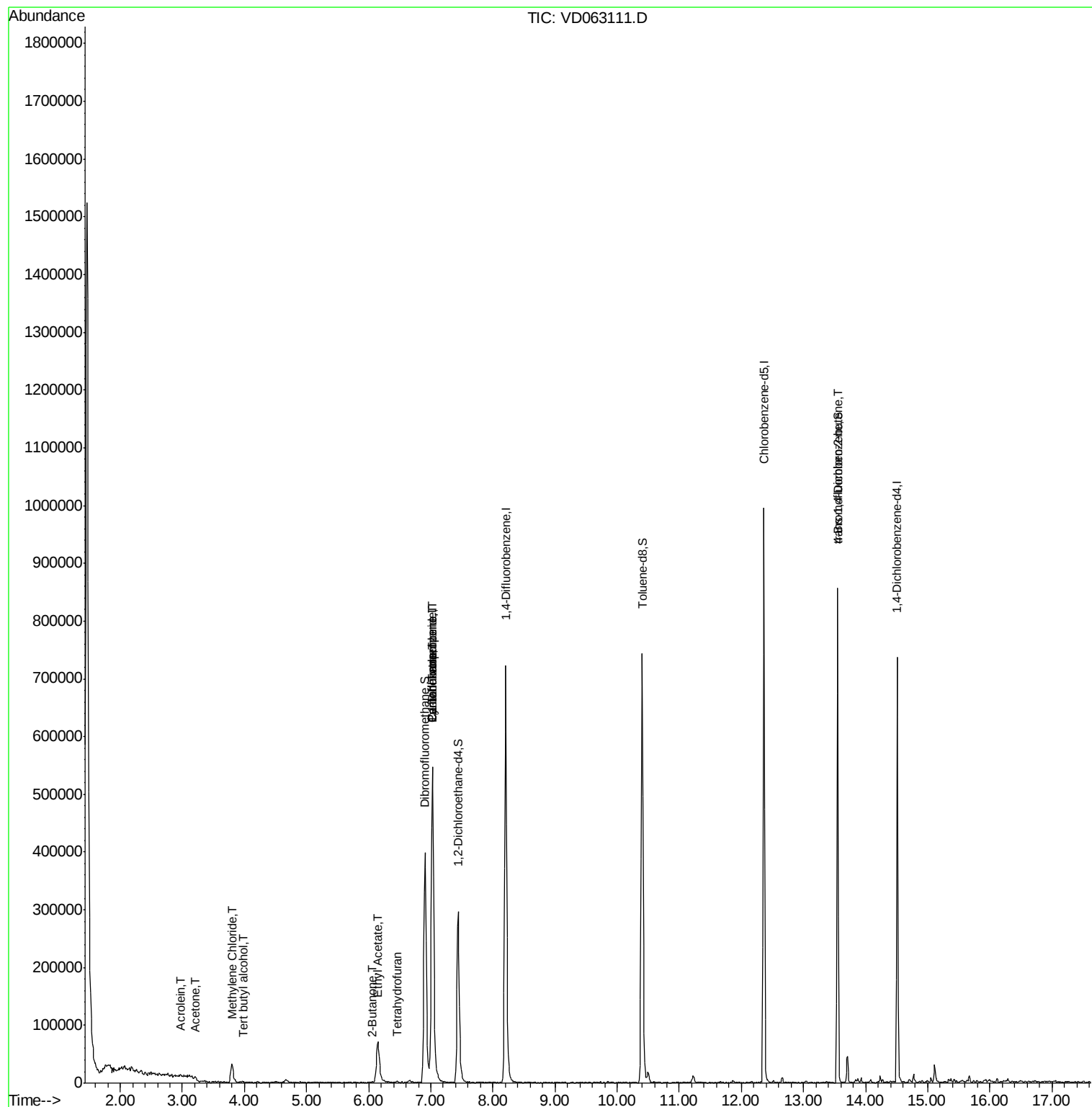
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	409	Below Cal	#	43
3) Chloromethane	1.78	50	678	Below Cal	#	48
5) Bromomethane	2.16	94	2631	Below Cal	#	13
11) Tert butyl alcohol	3.97	59	986	2.532	ug/l #	77
13) Acrolein	2.97	56	206	1.753	ug/l #	17
16) Acetone	3.21	43	17233	10.573	ug/l	95
18) Methyl Acetate	3.63	43	422	Below Cal	#	63
20) Methylene Chloride	3.79	84	20257	3.290	ug/l #	84
25) 2-Butanone	6.07	43	1775	1.140	ug/l #	61
29) Tetrahydrofuran	6.45	42	1177	1.668	ug/l #	33
31) Cyclohexane	7.02	56	11513	1.792	ug/l #	13
36) 1,1-Dichloropropene	7.02	75	41294	5.025	ug/l #	48
37) Ethyl Acetate	6.14	43	5912	1.681	ug/l #	2
38) Carbon Tetrachloride	7.03	117	56465	4.522	ug/l #	15
81) trans-1,4-Dichloro-2-buten	13.55	75	106175	155.205	ug/l #	1

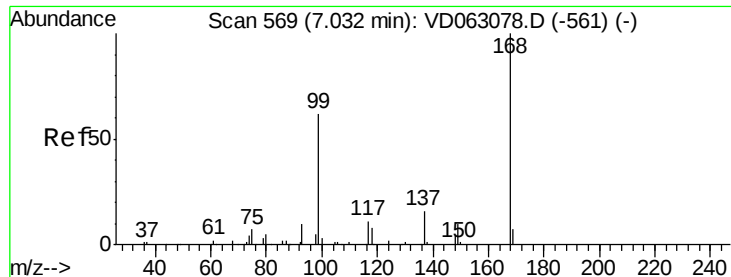
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD071619\
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.01 min

Lab File: VD063111.D

Acq: 16 Jul 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

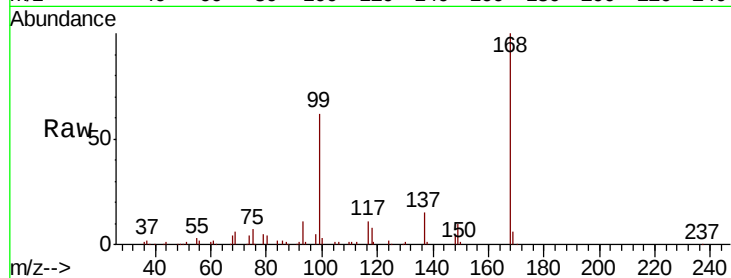
EO-02-071519-B

Tot Ion:168 Resp: 541738

Ion Ratio Lower Upper

168 100

99 61.9 50.8 76.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

150000

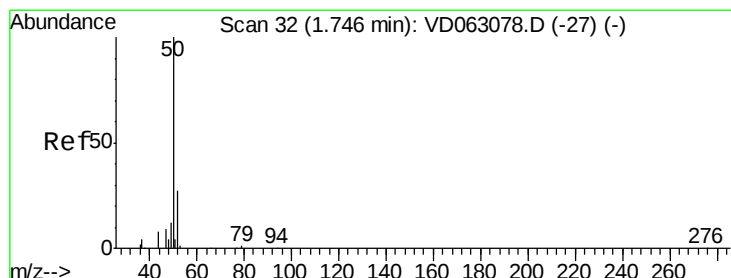
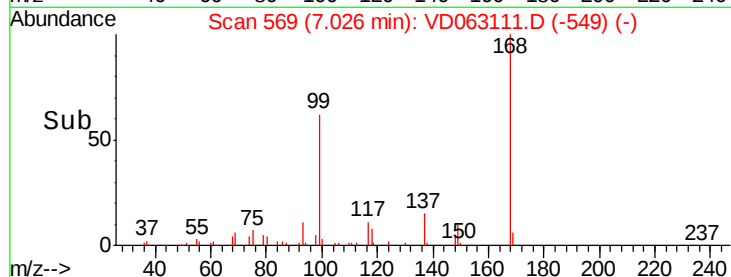
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.78 min Scan# 36

Delta R.T. 0.03 min

Lab File: VD063111.D

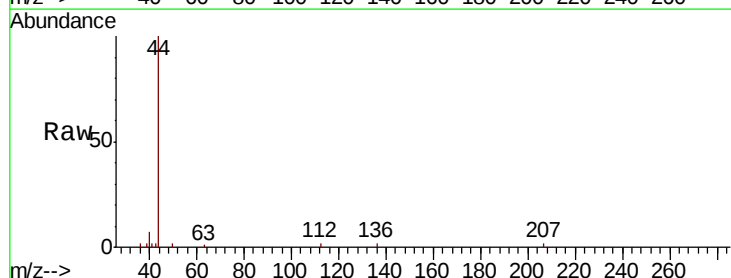
Acq: 16 Jul 2019 17:22

Tgt Ion: 50 Resp: 678

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

1.78

600

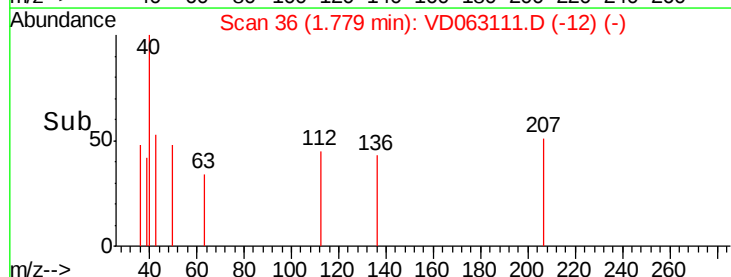
400

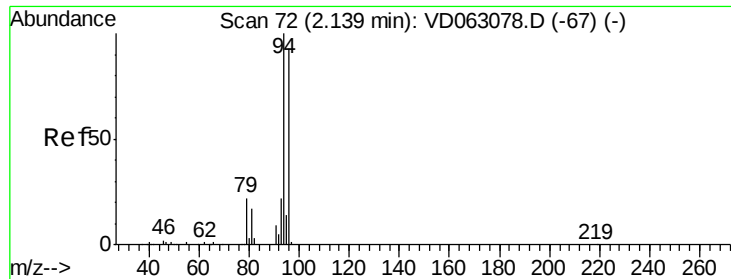
200

0

1.75 1.80

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.16 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD063111.D

Acq: 16 Jul 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

EO-02-071519-B

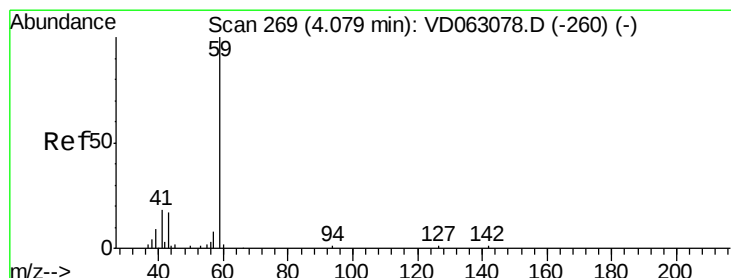
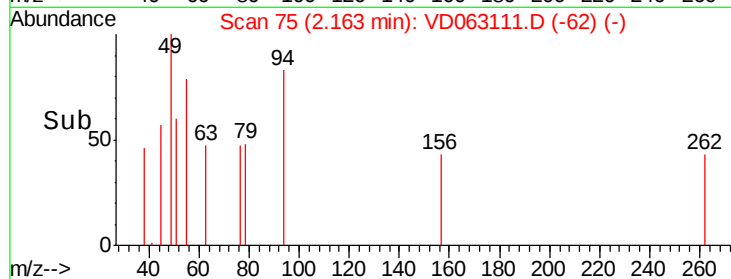
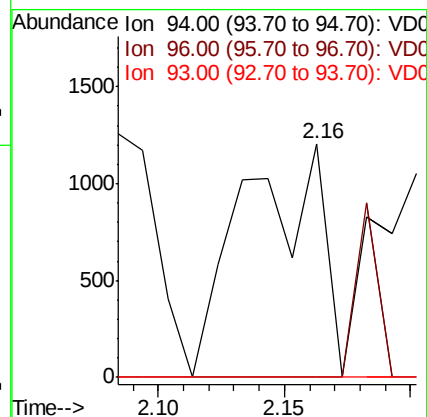
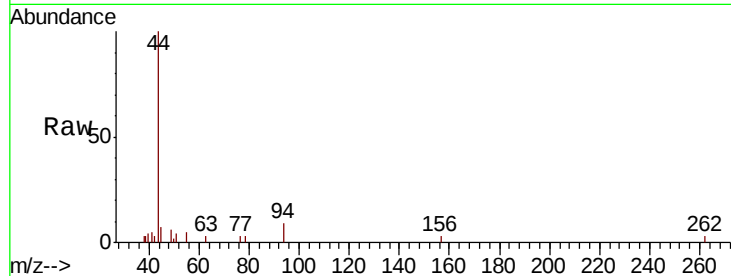
Tot Ion: 94 Resp: 2631

Ion Ratio Lower Upper

94 100

96 0.0 74.2 111.2#

93 0.0 17.8 26.6#



#11

Tert butyl alcohol

Concen: 2.532 ug/l

RT: 3.97 min Scan# 259

Delta R.T. -0.10 min

Lab File: VD063111.D

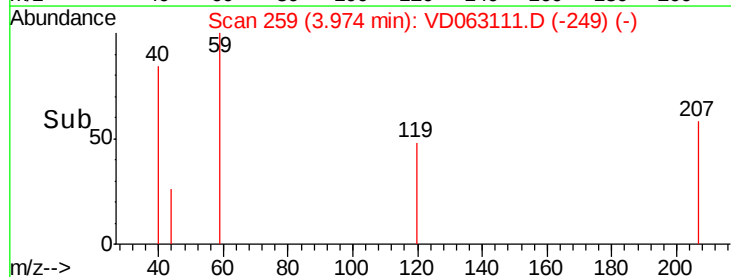
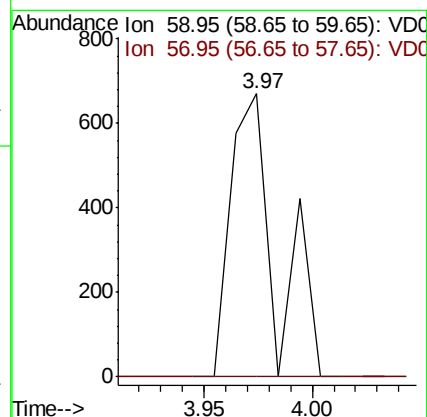
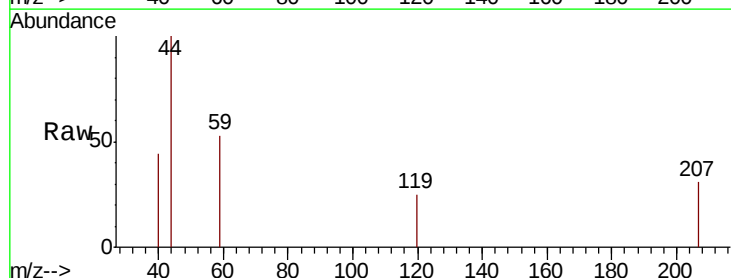
Acq: 16 Jul 2019 17:22

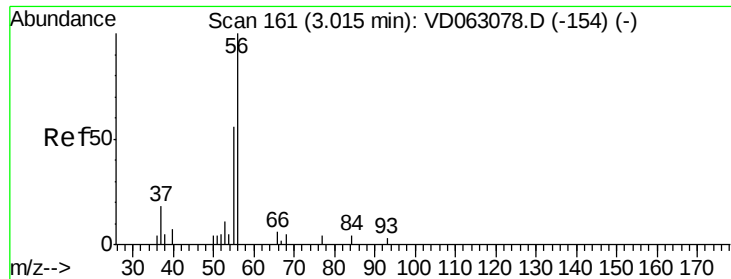
Tgt Ion: 59 Resp: 986

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#





#13

Acrolein

Concen: 1.753 ug/l

RT: 2.97 min Scan# 157

Delta R.T. -0.05 min

Lab File: VD063111.D

Acq: 16 Jul 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

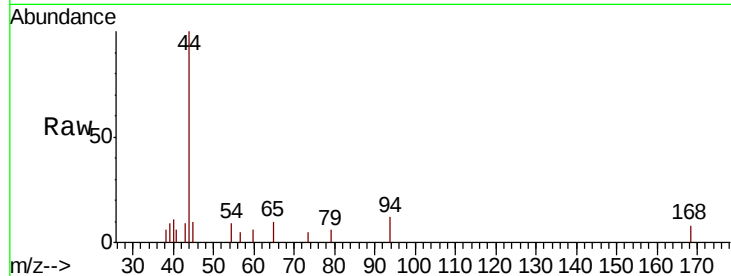
EO-02-071519-B

Tot Ion: 56 Resp: 206

Ion Ratio Lower Upper

56 100

55 0.0 53.0 79.4#

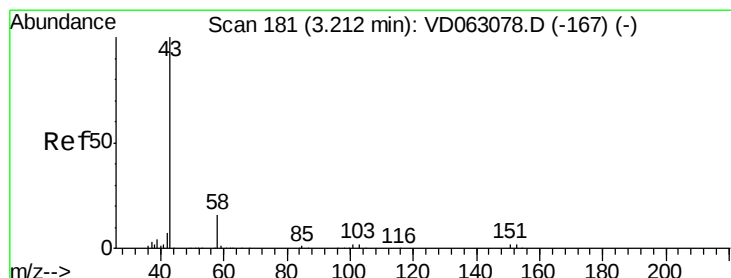
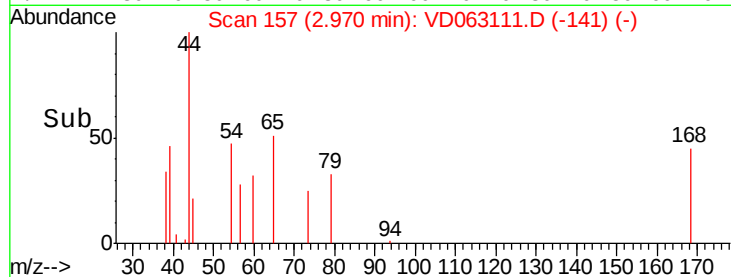


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.97

Time-->



#16

Acetone

Concen: 10.573 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.01 min

Lab File: VD063111.D

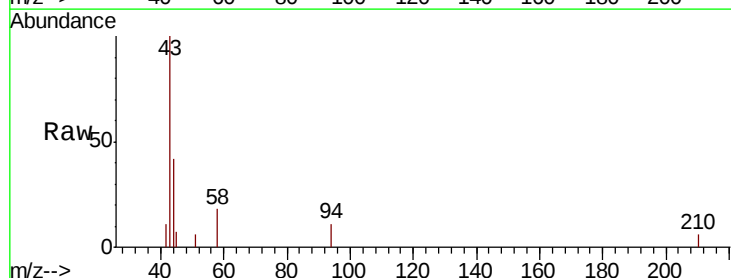
Acq: 16 Jul 2019 17:22

Tgt Ion: 43 Resp: 17233

Ion Ratio Lower Upper

43 100

58 18.3 13.0 19.4

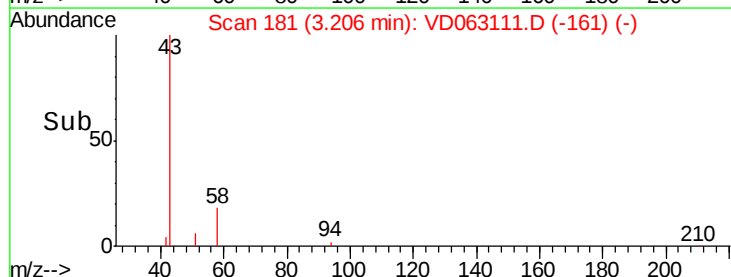


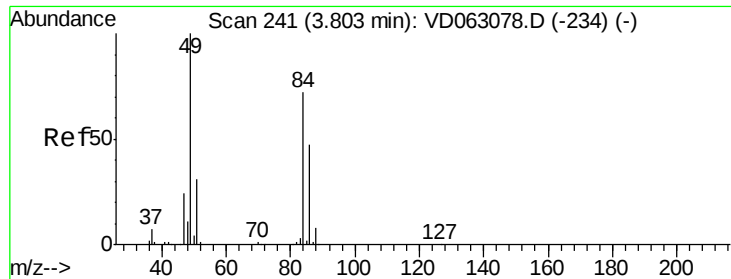
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

3.21

Time-->

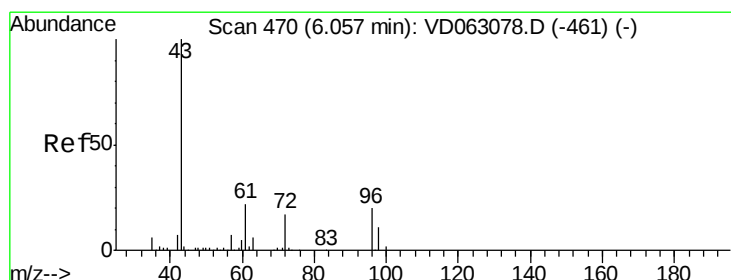
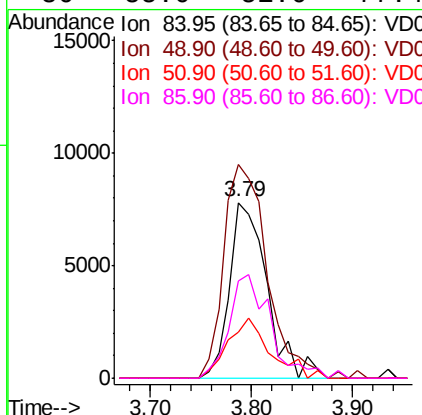
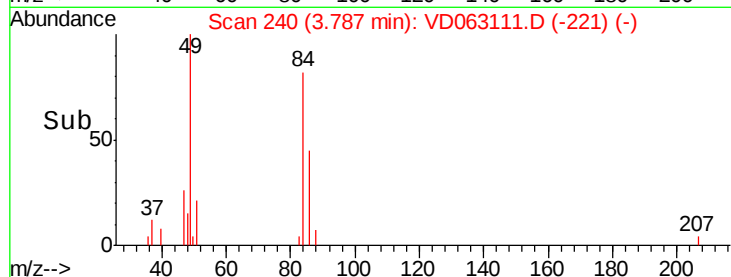
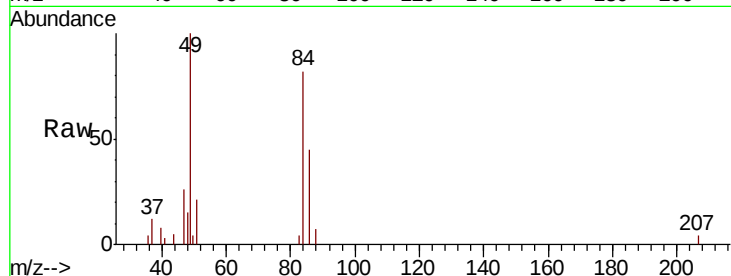




#20
Methvlene Chloride
Concen: 3.290 ug/l
RT: 3.79 min Scan# 240
Delta R.T. -0.02 min
Lab File: VD063111.D
Acq: 16 Jul 2019 17:22

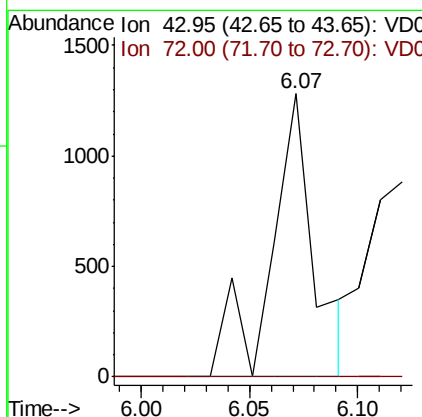
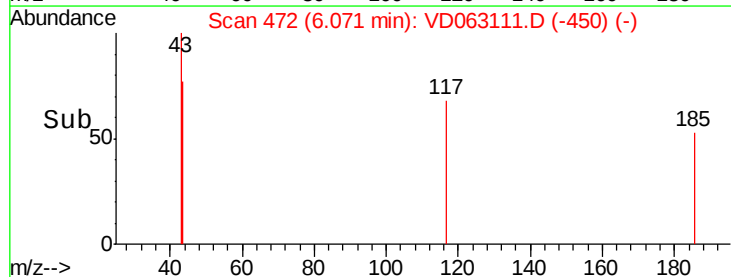
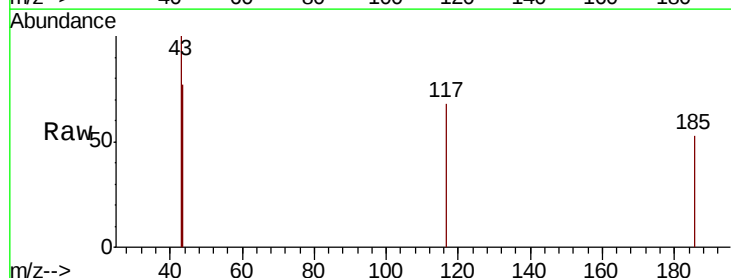
Instrument :
MSVOA_D
ClientSampleId :
EO-02-071519-B

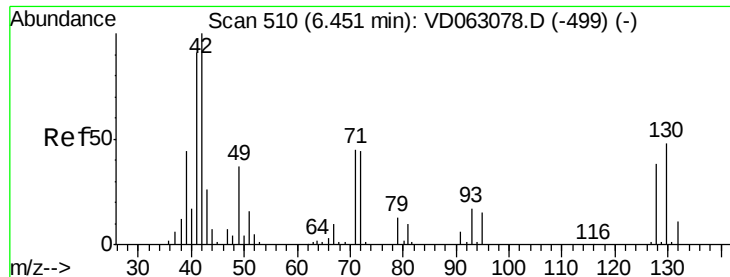
Tot Ion: 84 Resp: 20257
Ion Ratio Lower Upper
84 100
49 121.5 110.5 165.7
51 26.0 34.6 51.8#
86 55.0 51.6 77.4



#25
2-Butanone
Concen: 1.140 ug/l
RT: 6.07 min Scan# 472
Delta R.T. 0.01 min
Lab File: VD063111.D
Acq: 16 Jul 2019 17:22

Tgt Ion: 43 Resp: 1775
Ion Ratio Lower Upper
43 100
72 0.0 13.4 20.0#





#29

Tetrahydrofuran

Concen: 1.668 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD063111.D

Acq: 16 Jul 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

EO-02-071519-B

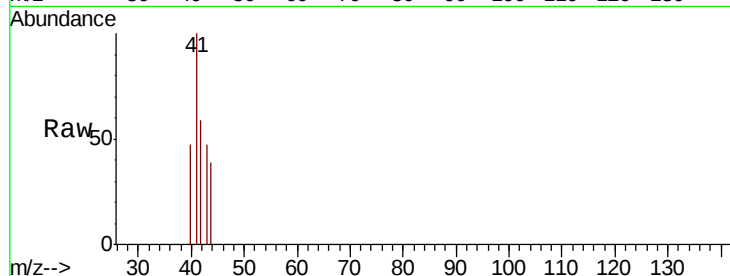
Tot Ion: 42 Resp: 1177

Ion Ratio Lower Upper

42 100

72 0.0 33.7 50.5#

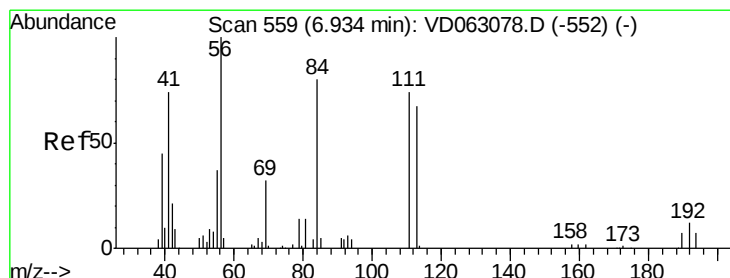
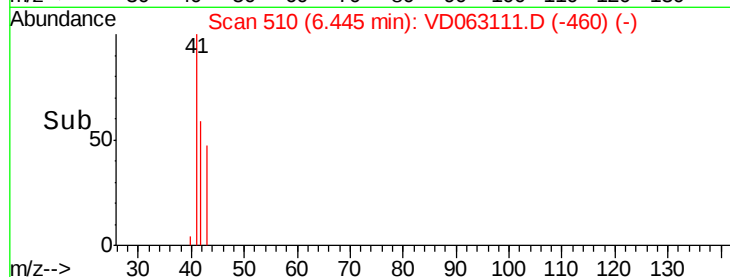
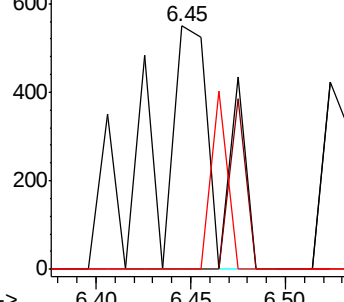
71 0.0 34.2 51.2#



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: 1.792 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.08 min

Lab File: VD063111.D

Acq: 16 Jul 2019 17:22

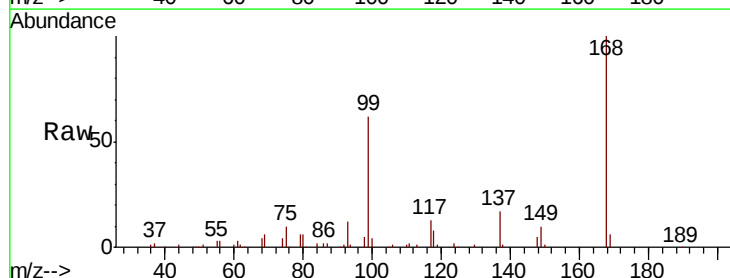
Tgt Ion: 56 Resp: 11513

Ion Ratio Lower Upper

56 100

69 194.5 25.3 37.9#

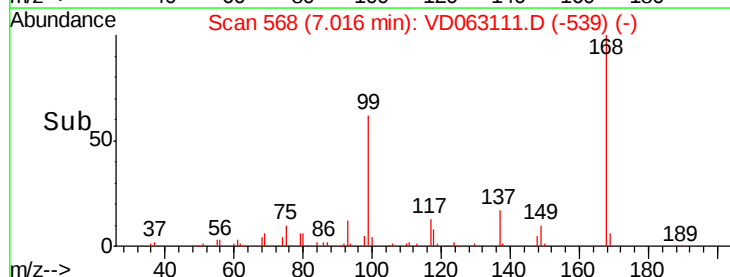
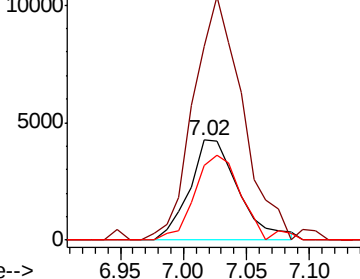
84 75.0 64.2 96.4

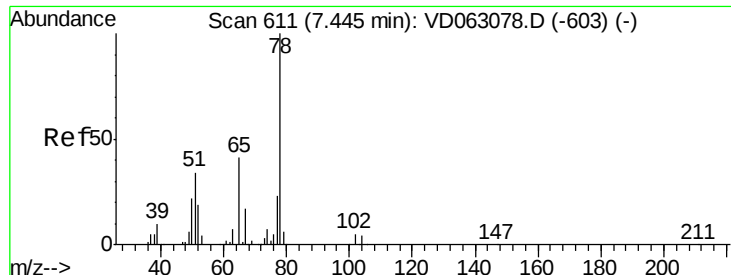


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#33

1,2-Dichloroethane-d4

Concen: 49.280 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.01 min

Lab File: VD063111.D

Acq: 16 Jul 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

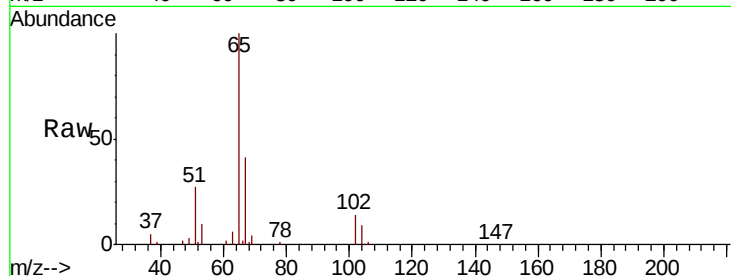
EO-02-071519-B

Tot Ion: 65 Resp: 332562

Ion Ratio Lower Upper

65 100

67 41.4 0.0 86.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.44

150000

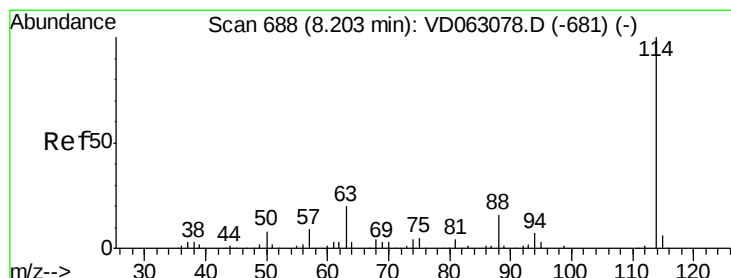
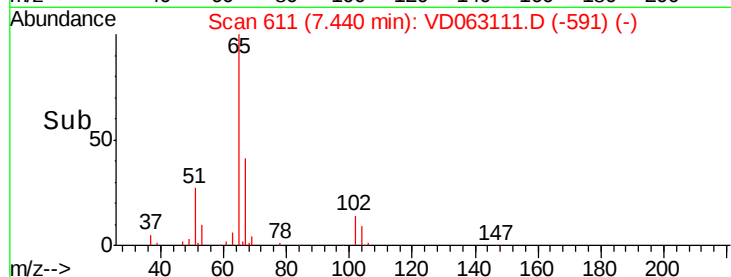
100000

50000

0

Time-->

7.30 7.40 7.50 7.60



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 689

Delta R.T. 0.00 min

Lab File: VD063111.D

Acq: 16 Jul 2019 17:22

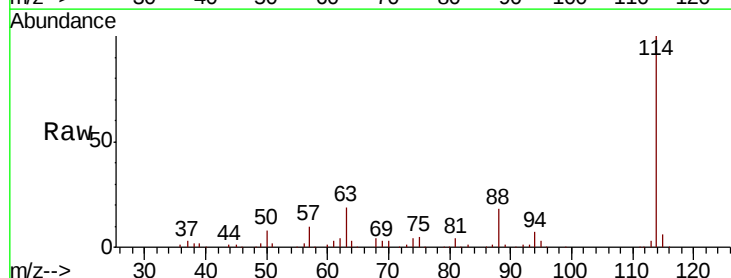
Tgt Ion: 114 Resp: 730657

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.6

88 17.6 0.0 32.6



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

8.21

400000

300000

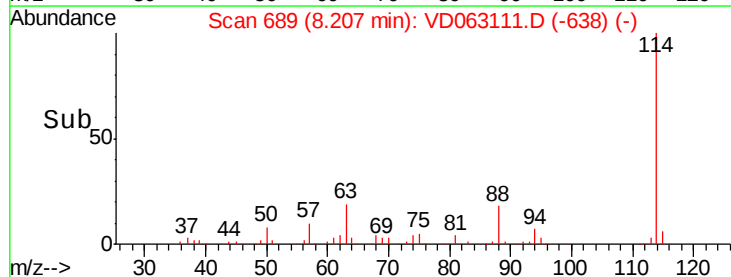
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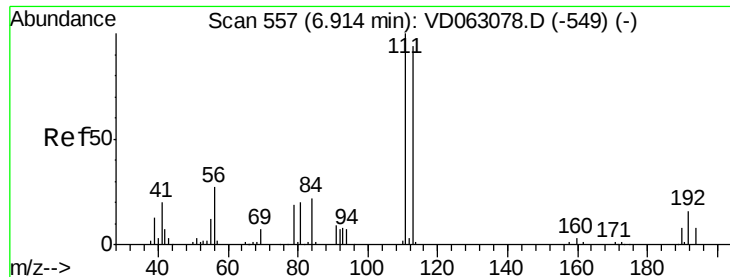
100000

0

Time-->

8.10 8.20 8.30 8.40

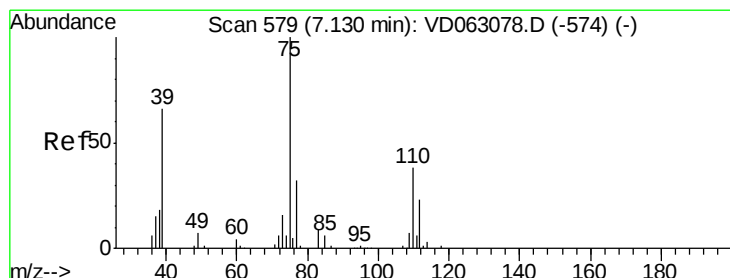
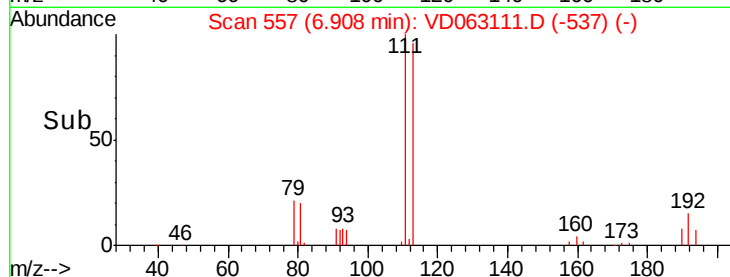
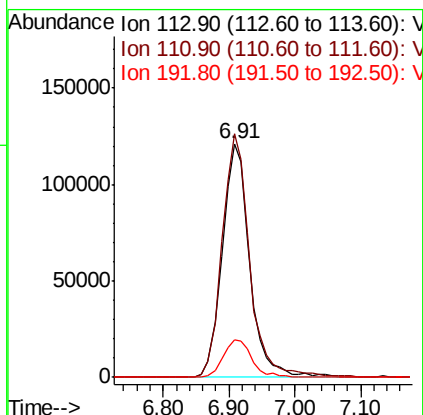
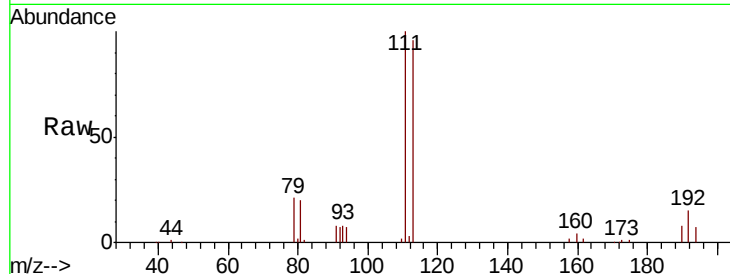




#35
 Dibromofluoromethane
 Concen: 48.447 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD063111.D
 Acq: 16 Jul 2019 17:22

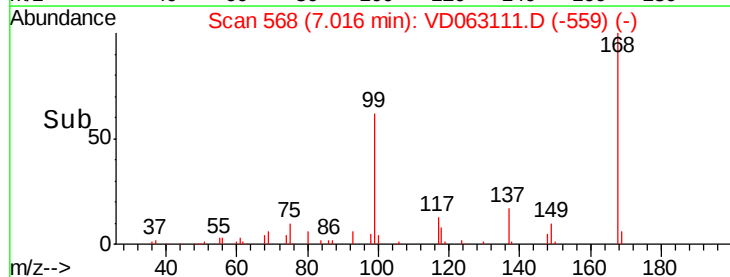
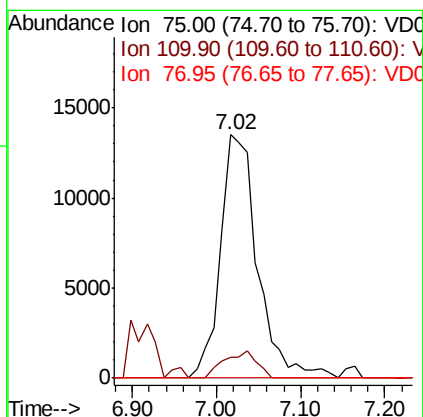
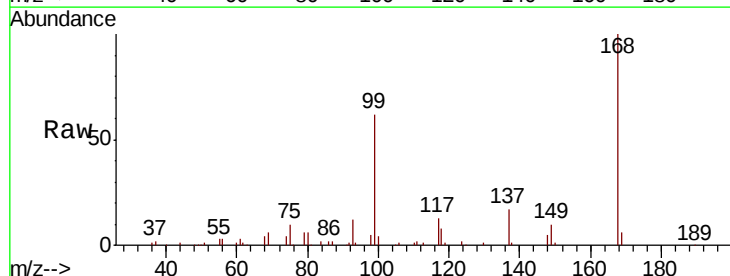
Instrument :
 MSVOA_D
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 EO-02-071519-B

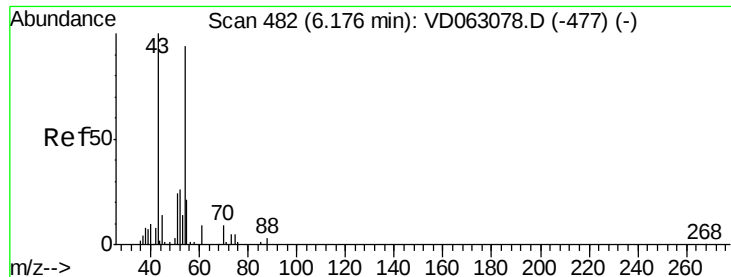
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	84.8	127.2
192	15.9	13.4	20.0



#36
 1,1-Dichloropropene
 Concen: 5.025 ug/l
 RT: 7.02 min Scan# 568
 Delta R.T. -0.11 min
 Lab File: VD063111.D
 Acq: 16 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.9	56.5#
77	0.0	25.2	37.8#

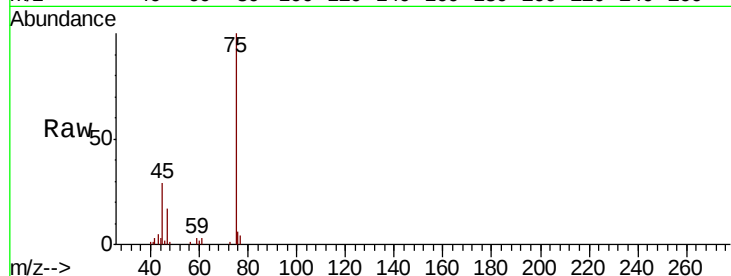




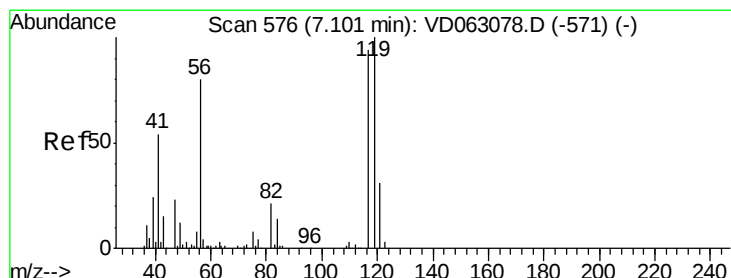
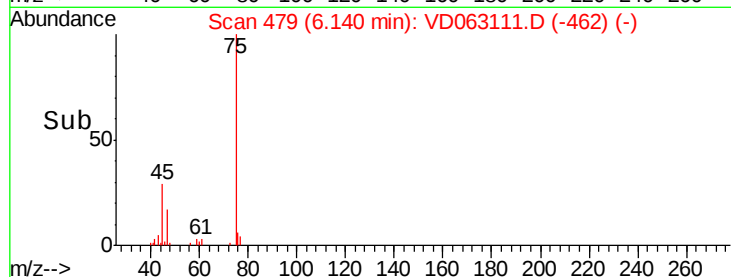
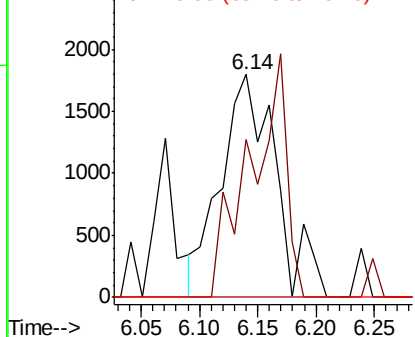
#37
Ethyl Acetate
Concen: 1.681 ug/l
RT: 6.14 min Scan# 479
Delta R.T. -0.04 min
Lab File: VD063111.D
Acq: 16 Jul 2019 17:22

Instrument :
MSVOA_D
ClientSampleId :
EO-02-071519-B

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	5912					
Ion	100	70.8	0.0			
					10.6	16.0#
					6.6	9.8#

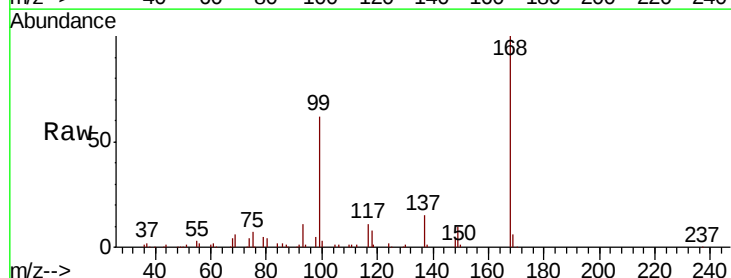


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

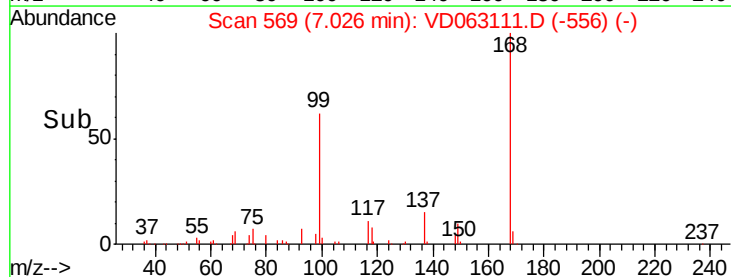
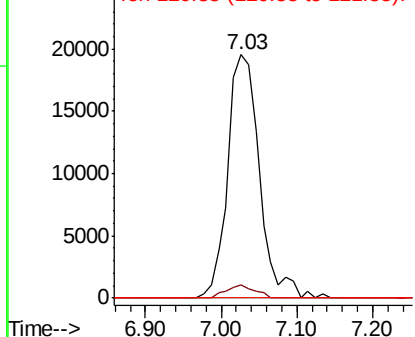


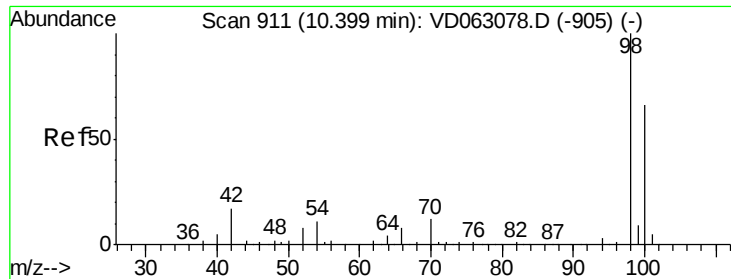
#38
Carbon Tetrachloride
Concen: 4.522 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD063111.D
Acq: 16 Jul 2019 17:22

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	56465					
Ion	100	5.5	0.0			
					80.0	120.0#
					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

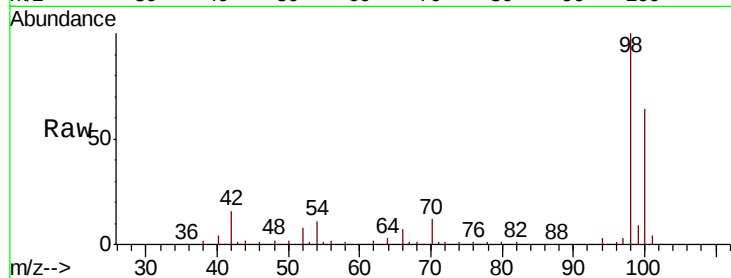




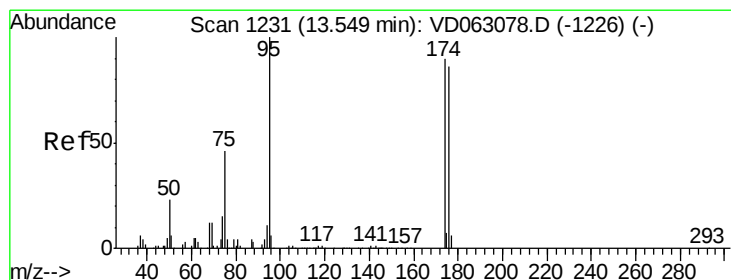
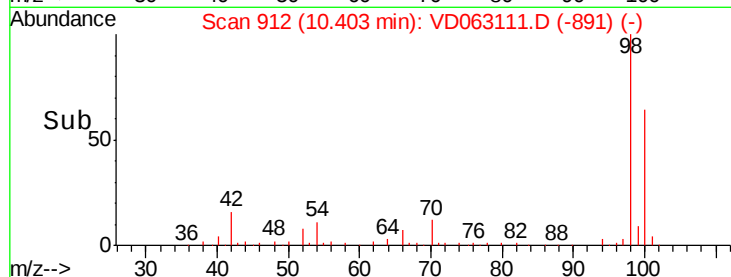
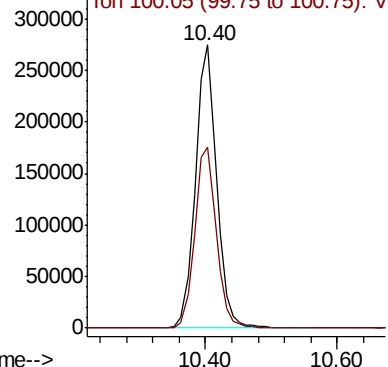
#50
Toluene-d8
Concen: 39.483 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD063111.D
Acq: 16 Jul 2019 17:22

Instrument :
MSVOA_D
ClientSampleId :
EO-02-071519-B

Tot Ion: 98 Resp: 617197
Ion Ratio Lower Upper
98 100
100 64.0 53.5 80.3

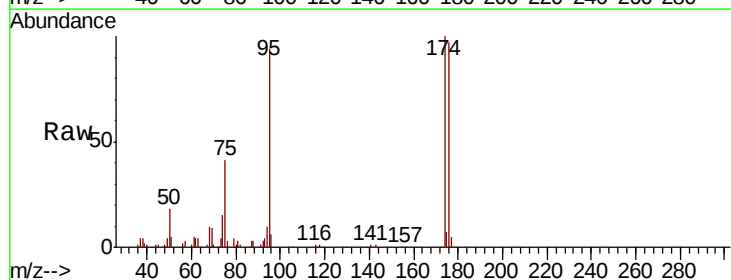


Abundance Ion 98.05 (97.75 to 98.75): VD0
Ion 100.05 (99.75 to 100.75): VD

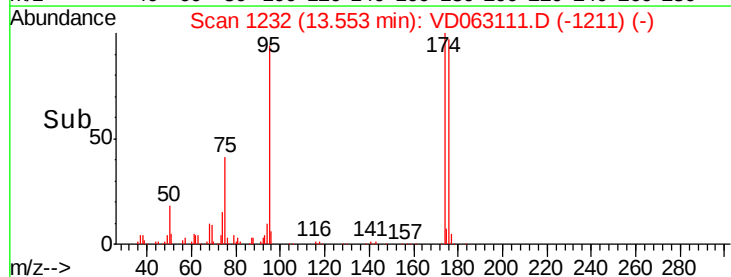
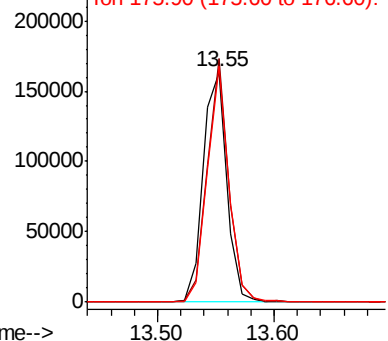


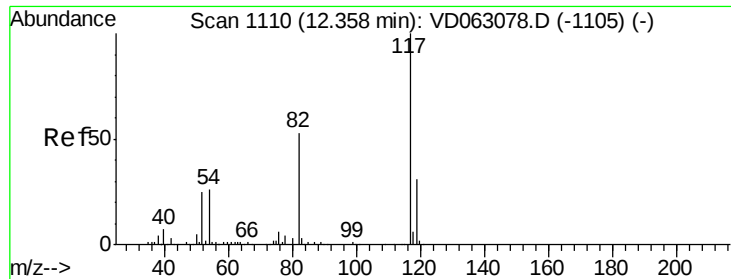
#62
4-Bromofluorobenzene
Concen: 31.820 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VD063111.D
Acq: 16 Jul 2019 17:22

Tgt Ion: 95 Resp: 230125
Ion Ratio Lower Upper
95 100
174 105.9 0.0 180.6
176 102.5 0.0 172.2



Abundance Ion 95.00 (94.70 to 95.70): VD0
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

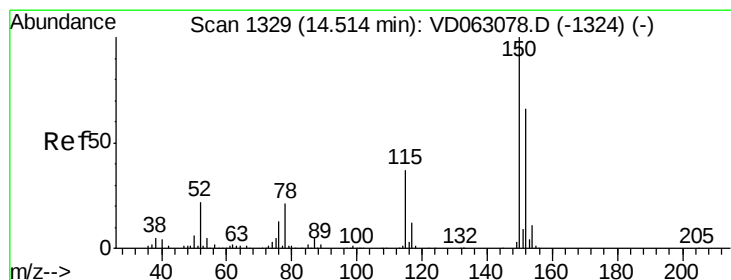
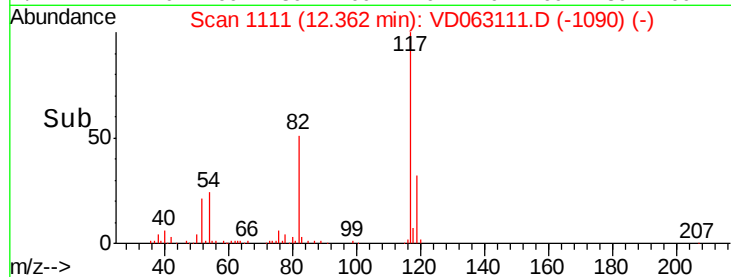
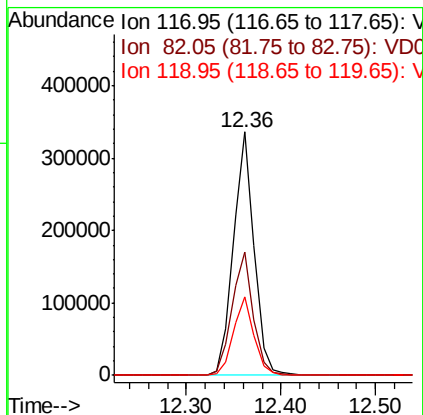
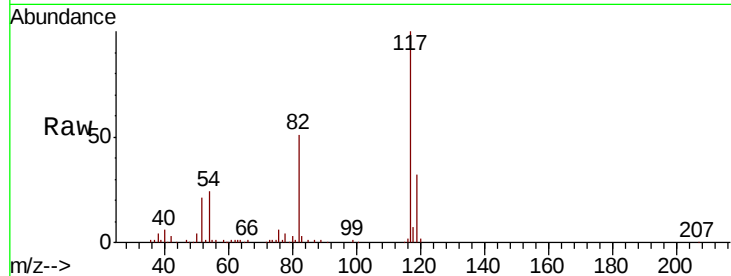




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD063111.D
Acq: 16 Jul 2019 17:22

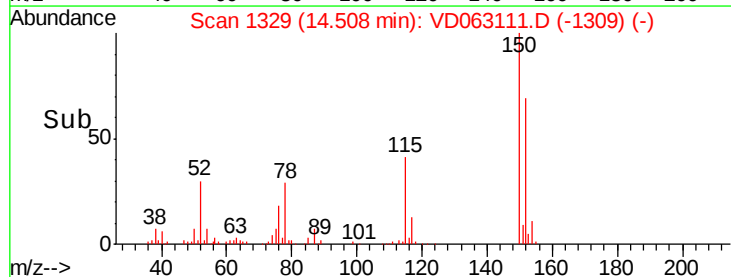
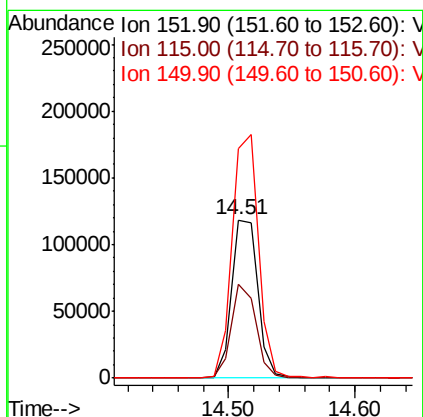
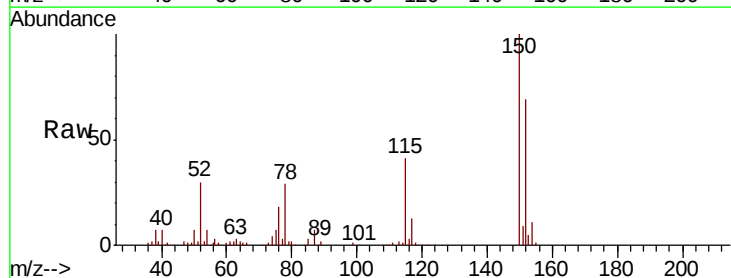
Instrument :
MSVOA_D
ClientSampleId :
EO-02-071519-B

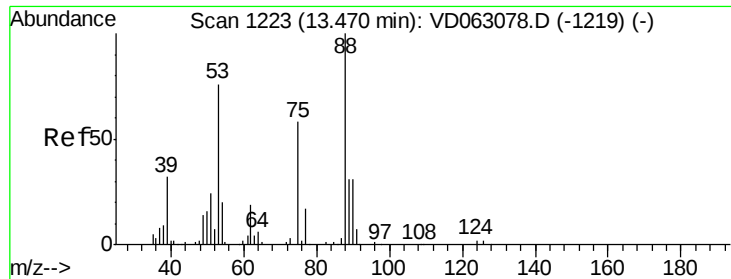
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.3	63.5
119	32.5	25.2	37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD063111.D
Acq: 16 Jul 2019 17:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	28.9	86.8
150	145.3	0.0	313.8





#81

trans-1,4-Dichloro-2-butene

Concen: 155.205 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.08 min

Lab File: VD063111.D

Acq: 16 Jul 2019 17:22

Instrument :

MSVOA_D

ClientSampleId :

EO-02-071519-B

Tot Ion: 75 Resp: 106175

Ion Ratio Lower Upper

75 100

53 0.0 104.4 156.6#

89 0.0 43.1 64.7#

