

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061551.D
 Acq On : 3 Apr 2019 11:05
 Operator : VA/AP
 Sample : K2199-03
 Misc : 5.07g/5ml/MSVOA D/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-040219-B

Quant Time: Apr 04 00:57:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	354575	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	599664	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	436129	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	137392	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.47	65	227681	75.17	ug/l	0.03
Spiked Amount			Recovery	=	150.34%	
35) Dibromofluoromethane	6.93	113	318888	69.59	ug/l	0.03
Spiked Amount			Recovery	=	139.18%	
50) Toluene-d8	10.42	98	649470	59.09	ug/l	0.03
Spiked Amount			Recovery	=	118.18%	
62) 4-Bromofluorobenzene	13.56	95	210542	49.95	ug/l	0.01
Spiked Amount			Recovery	=	99.90%	

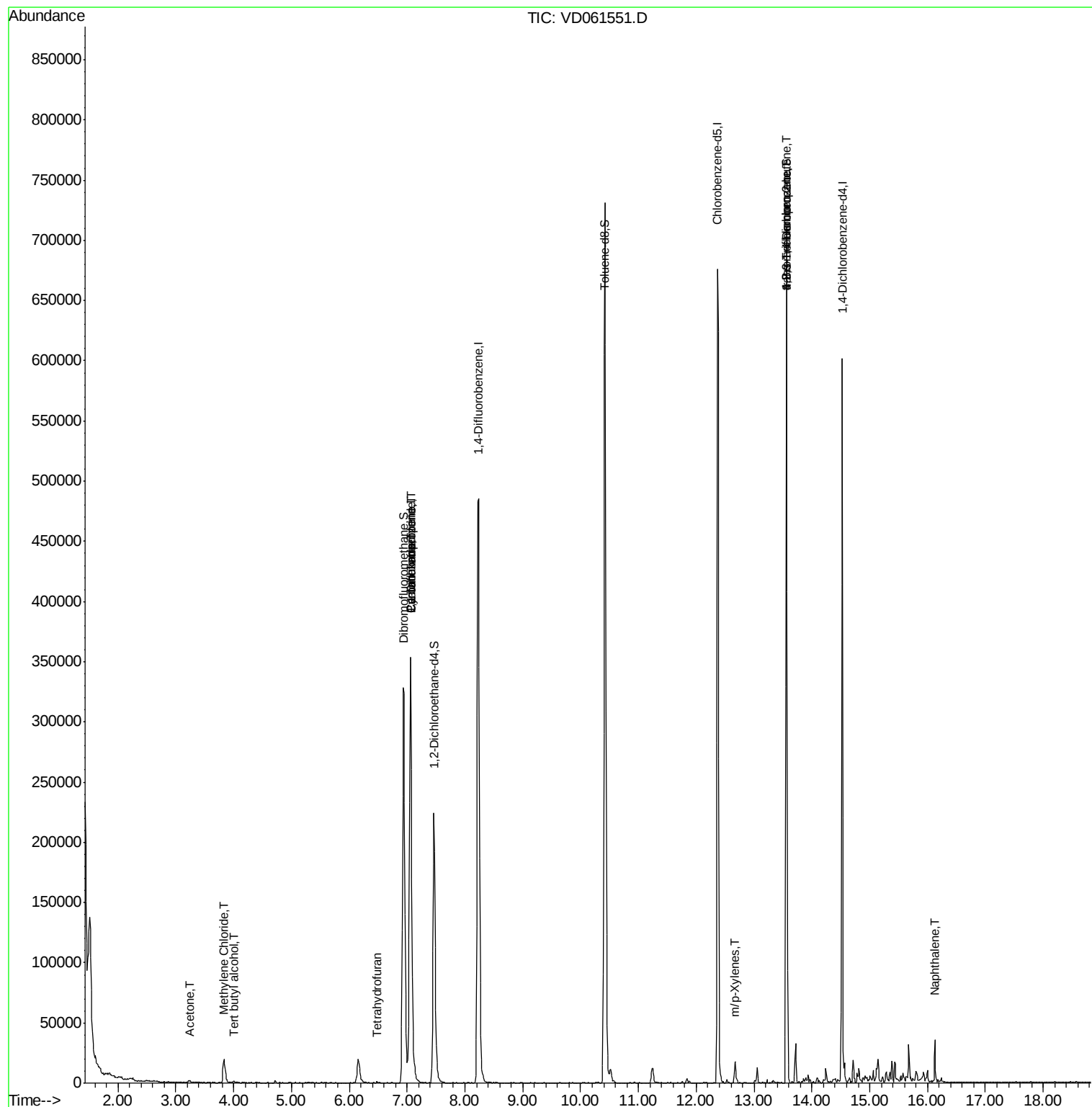
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.00	59	881	4.670	ug/l #	76
16) Acetone	3.24	43	4085	5.246	ug/l	100
20) Methylene Chloride	3.83	84	14878	1.550	ug/l	92
29) Tetrahydrofuran	6.47	42	649	1.367	ug/l #	30
31) Cyclohexane	7.05	56	6842	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	28167	5.382	ug/l #	45
38) Carbon Tetrachloride	7.06	117	36757	6.112	ug/l #	13
68) m/p-Xylenes	12.67	106	6497	1.261	ug/l	86
76) 1,2,3-Trichloropropane	13.56	75	78371	39.488	ug/l #	45
81) trans-1,4-Dichloro-2-buten	13.56	75	81044	133.929	ug/l #	18
95) Naphthalene	16.13	128	22044	8.063	ug/l #	96

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.04 min

Lab File: VD061551.D

Acq: 3 Apr 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

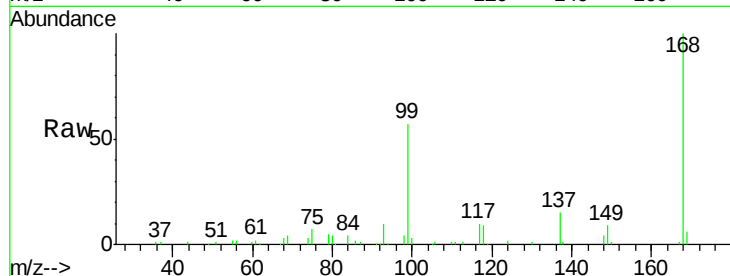
OR-02-040219-B

Tot Ion:168 Resp: 354575

Ion Ratio Lower Upper

168 100

99 57.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

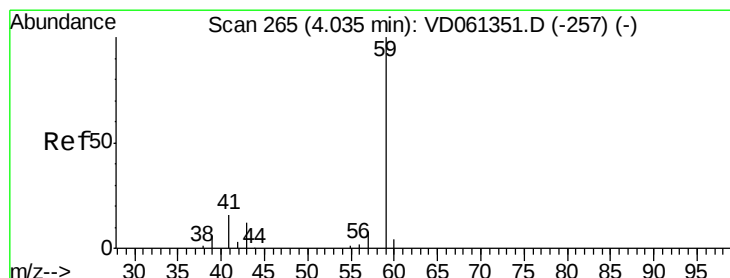
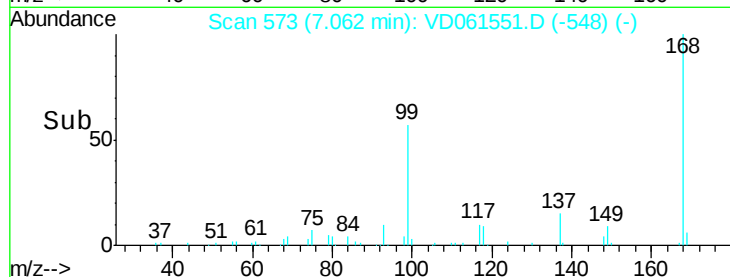
7.06

100000

50000

0

Time--> 6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 4.670 ug/l

RT: 4.00 min Scan# 262

Delta R.T. -0.03 min

Lab File: VD061551.D

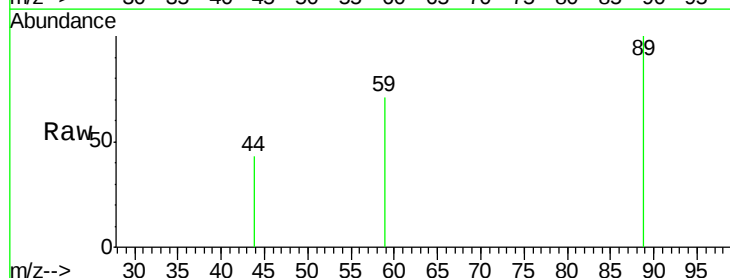
Acq: 3 Apr 2019 11:05

Tgt Ion: 59 Resp: 881

Ion Ratio Lower Upper

59 100

57 0.0 6.7 10.1#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

4.00

600

500

400

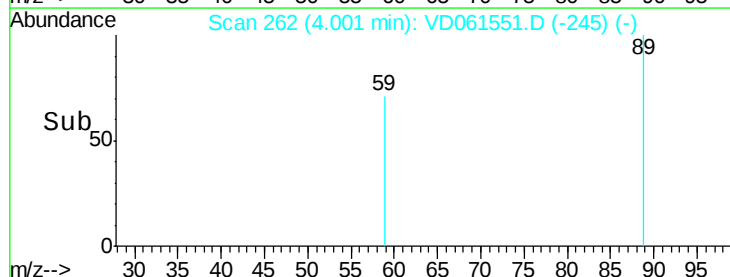
300

200

100

0

Time--> 3.95 4.00 4.05





#16

Acetone

Concen: 5.246 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.04 min

Lab File: VD061551.D

Acq: 3 Apr 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

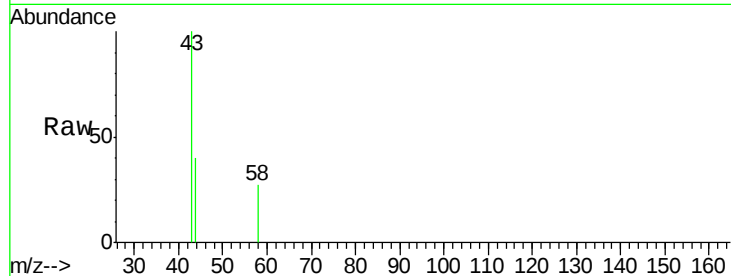
OR-02-040219-B

Tot Ion: 43 Resp: 4085

Ion Ratio Lower Upper

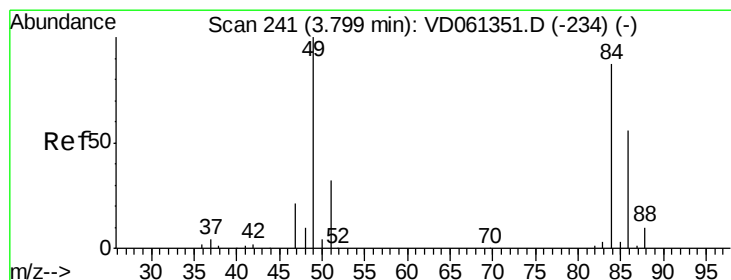
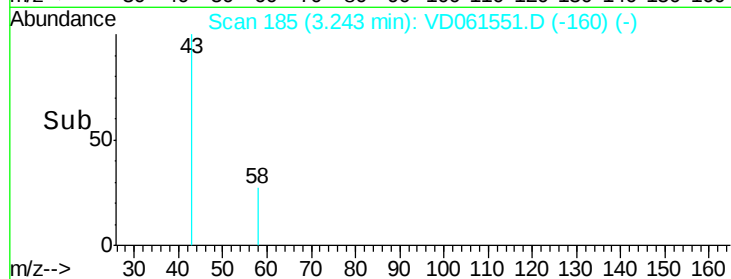
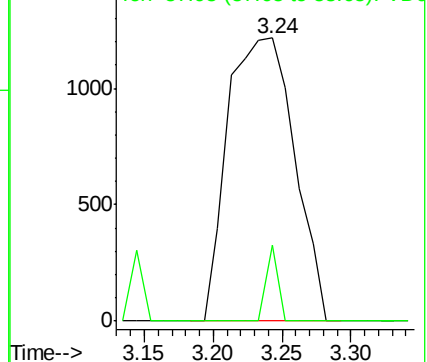
43 100

58 27.0 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 1.550 ug/l

RT: 3.83 min Scan# 245

Delta R.T. 0.03 min

Lab File: VD061551.D

Acq: 3 Apr 2019 11:05

Tgt Ion: 84 Resp: 14878

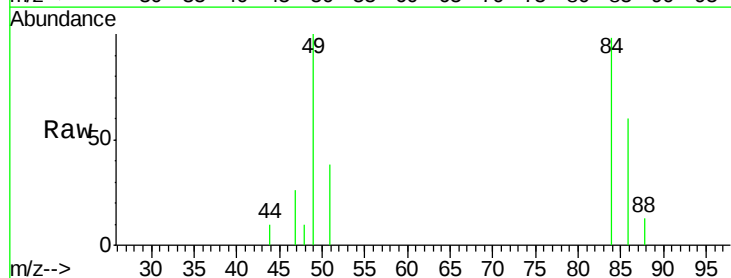
Ion Ratio Lower Upper

84 100

49 102.4 91.8 137.8

51 39.0 29.8 44.8

86 61.2 51.8 77.6

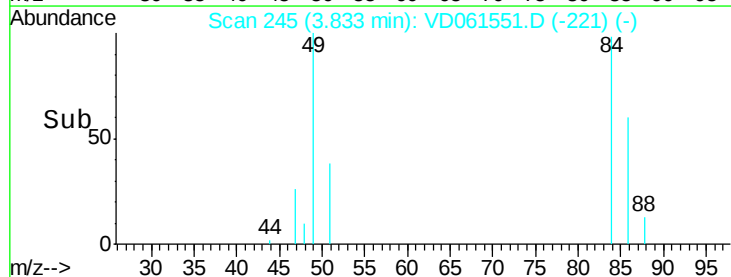
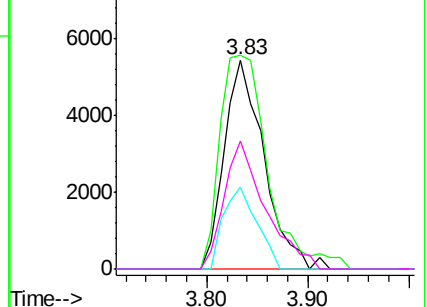


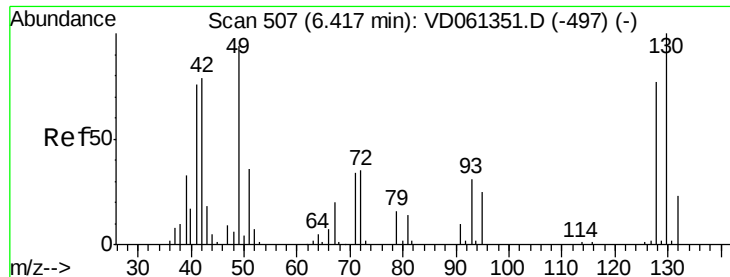
Abundance Ion 83.95 (83.65 to 84.65): VDC

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

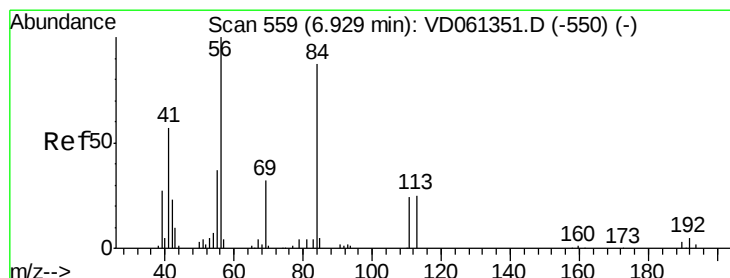
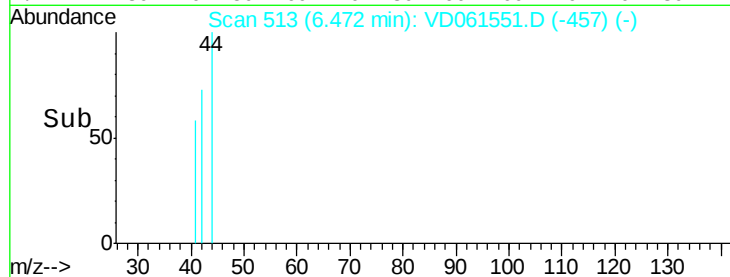
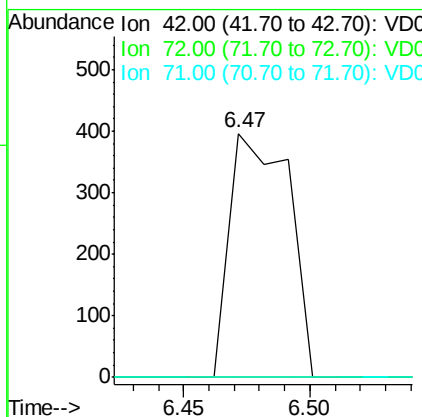
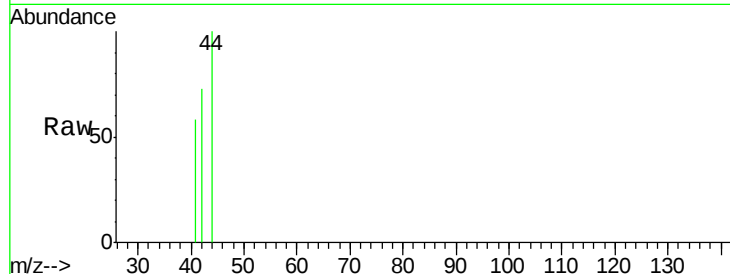




#29
Tetrahydrofuran
Concen: 1.367 ug/l
RT: 6.47 min Scan# 513
Delta R.T. 0.05 min
Lab File: VD061551.D
Acq: 3 Apr 2019 11:05

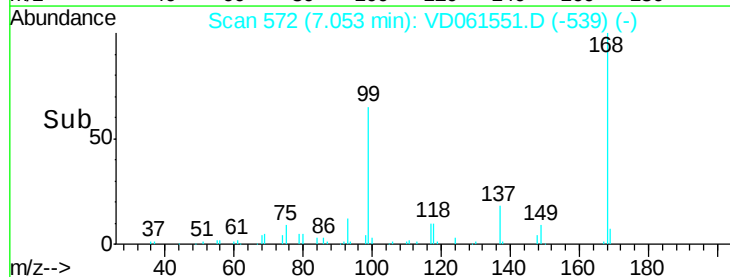
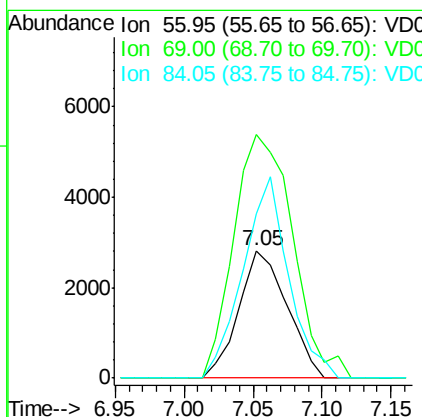
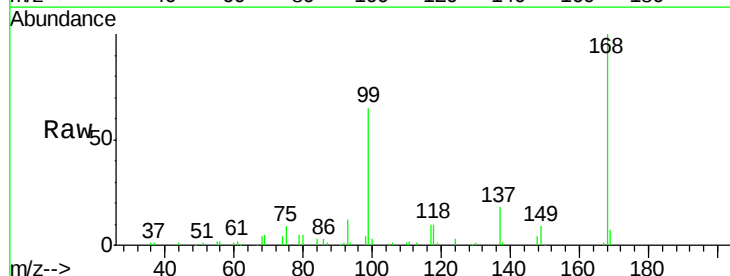
Instrument :
MSVOA_D
ClientSampleId :
OR-02-040219-B

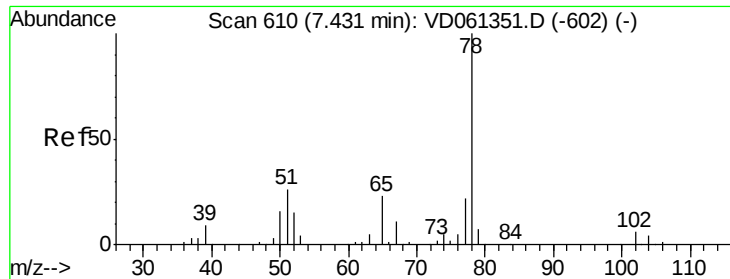
Tot Ion: 42 Resp: 649
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.0#
71 0.0 36.7 55.1#



#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.12 min
Lab File: VD061551.D
Acq: 3 Apr 2019 11:05

Tgt Ion: 56 Resp: 6842
Ion Ratio Lower Upper
56 100
69 191.0 25.7 38.5#
84 128.4 70.6 105.8#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.03 min

Lab File: VD061551.D

Acq: 3 Apr 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

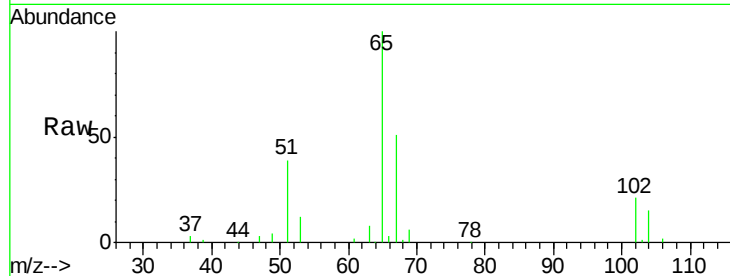
OR-02-040219-B

Tot Ion: 65 Resp: 227681

Ion Ratio Lower Upper

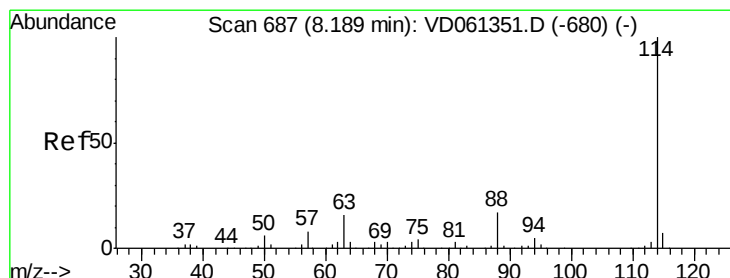
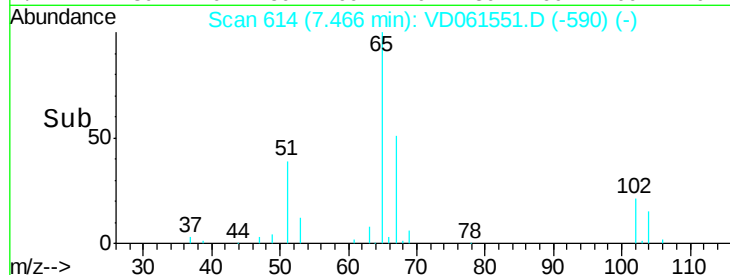
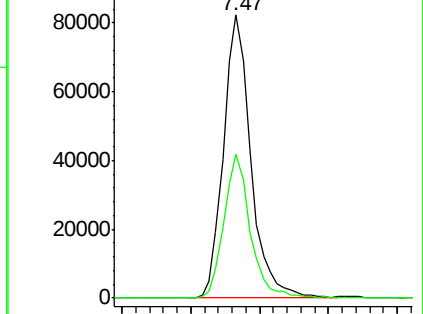
65 100

67 50.9 0.0 99.8



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: 8.23 min Scan# 692

Delta R.T. 0.04 min

Lab File: VD061551.D

Acq: 3 Apr 2019 11:05

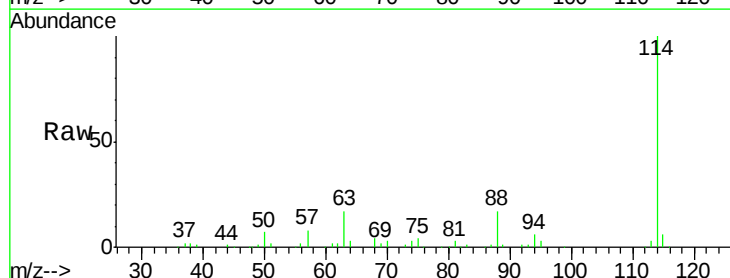
Tgt Ion: 114 Resp: 599664

Ion Ratio Lower Upper

114 100

63 16.6 0.0 31.6

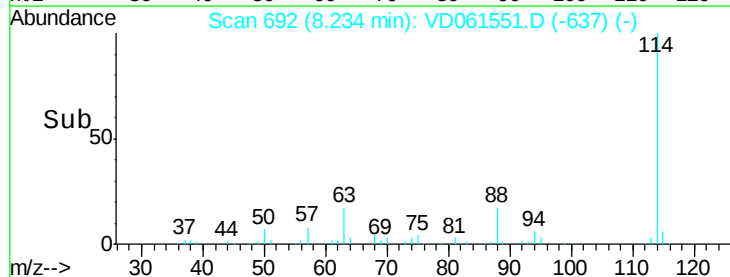
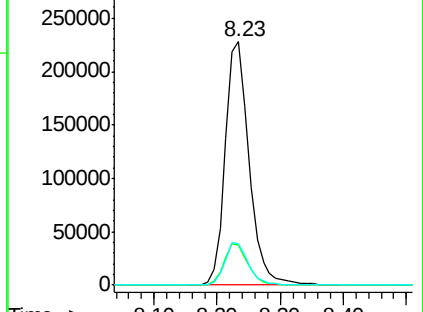
88 16.8 0.0 33.4

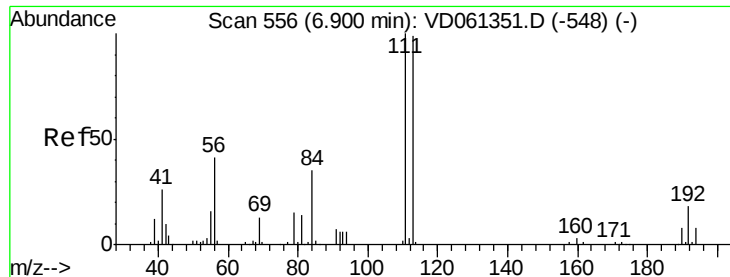


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

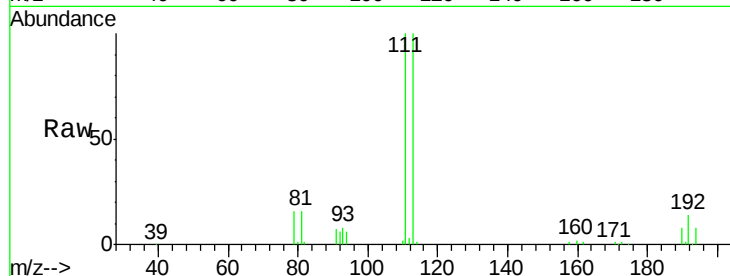




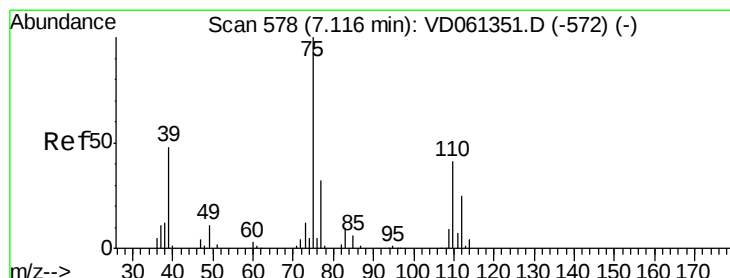
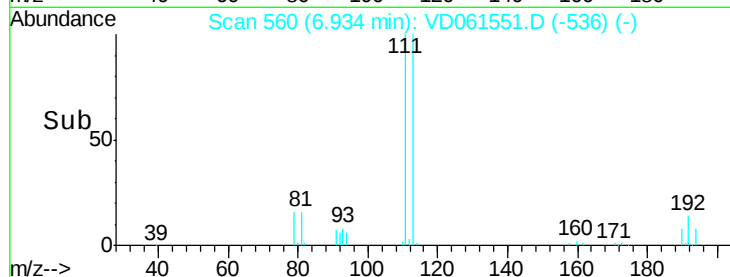
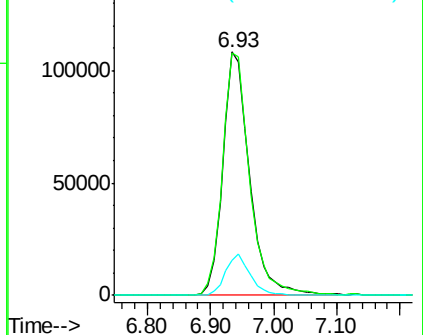
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.93 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD061551.D
 Acq: 3 Apr 2019 11:05

Instrument :
 MSVOA_D
 ClientSampleId :
 OR-02-040219-B

Tot Ion:113 Resp: 318888
 Ion Ratio Lower Upper
 113 100
 111 99.7 81.0 121.6
 192 14.1 14.4 21.6#

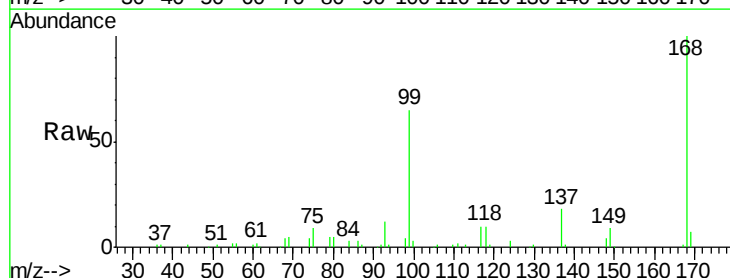


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

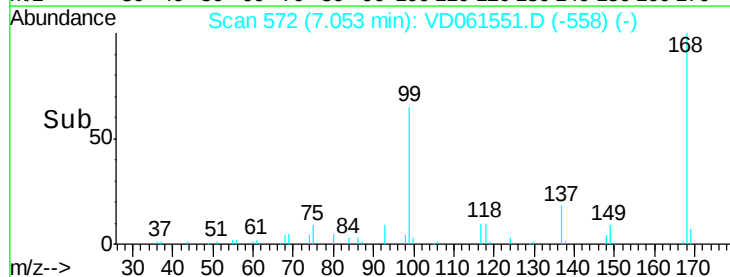
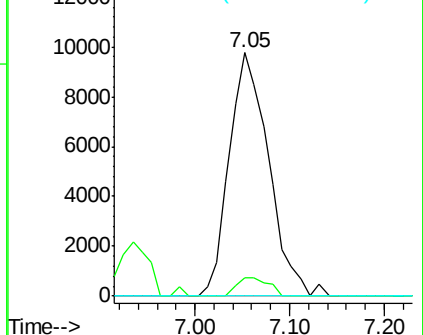


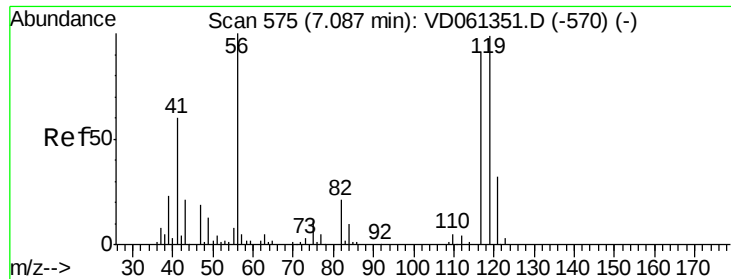
#36
 1,1-Dichloropropene
 Concen: 5.382 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.06 min
 Lab File: VD061551.D
 Acq: 3 Apr 2019 11:05

Tgt Ion: 75 Resp: 28167
 Ion Ratio Lower Upper
 75 100
 110 7.6 20.4 61.3#
 77 0.0 24.9 37.3#



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

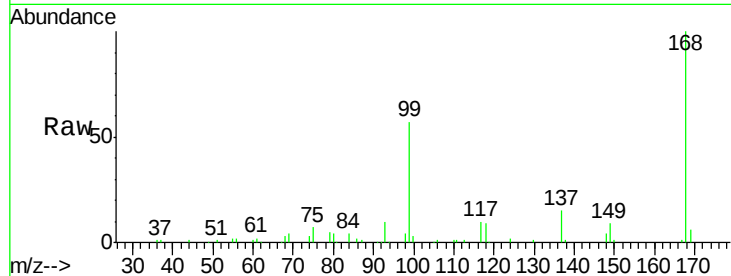




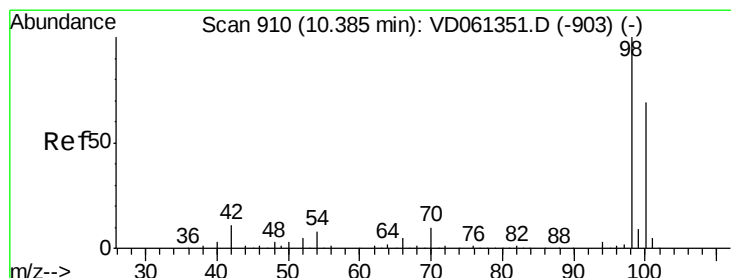
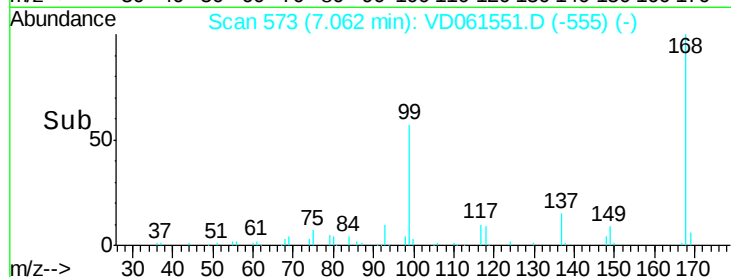
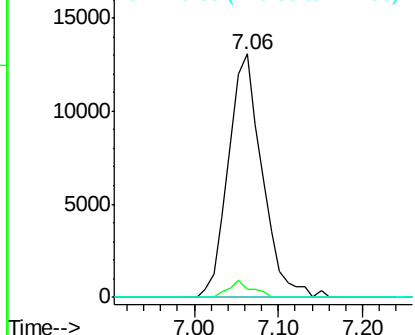
#38
Carbon Tetrachloride
Concen: 6.112 ug/l
RT: 7.06 min Scan# 573
Delta R.T. -0.02 min
Lab File: VD061551.D
Acq: 3 Apr 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
OR-02-040219-B

Tot Ion:117 Resp: 36757
Ion Ratio Lower Upper
117 100
119 3.2 80.1 120.1#
121 0.0 25.6 38.4#

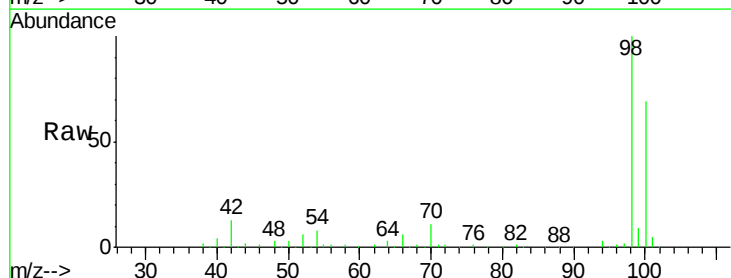


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

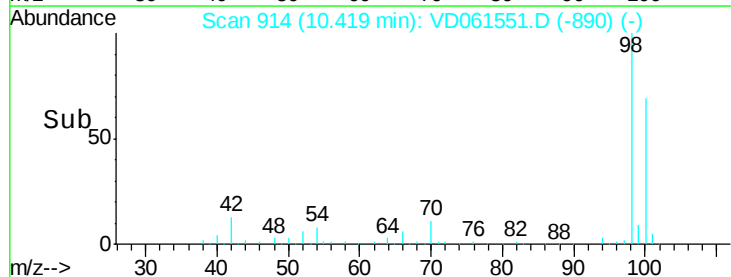
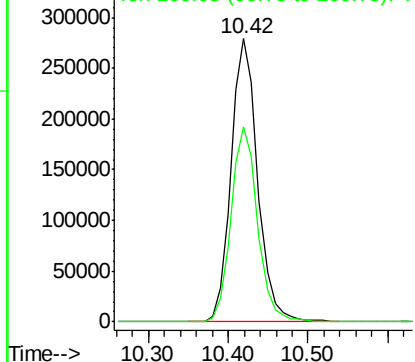


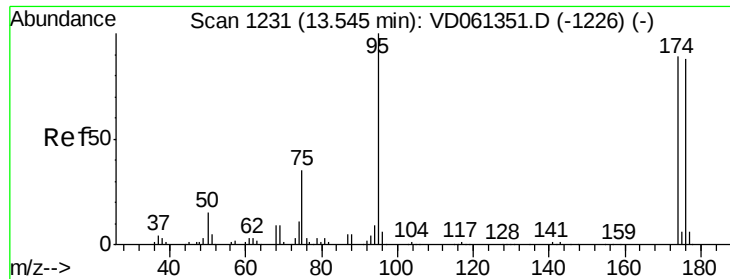
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.03 min
Lab File: VD061551.D
Acq: 3 Apr 2019 11:05

Tgt Ion: 98 Resp: 649470
Ion Ratio Lower Upper
98 100
100 68.7 56.2 84.2



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

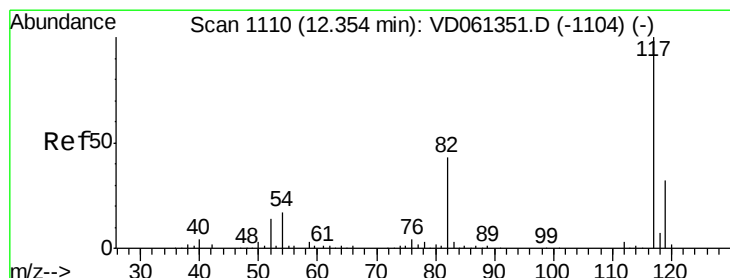
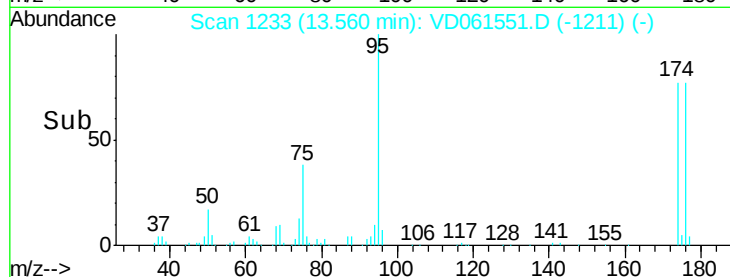
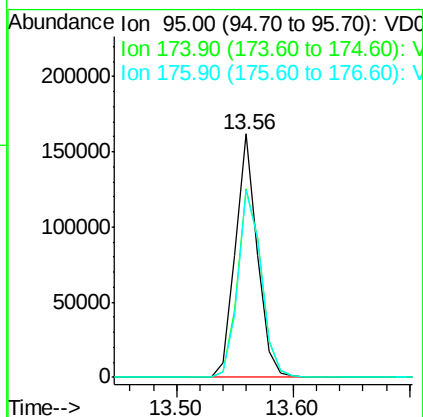
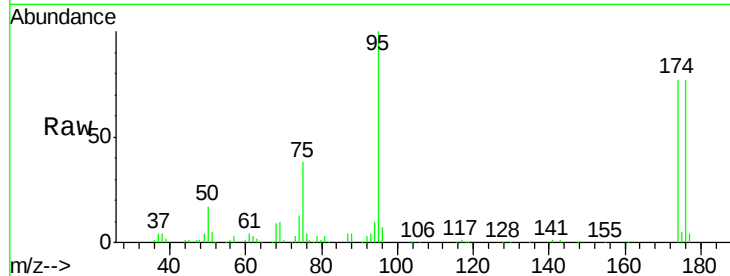




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD061551.D
Acq: 3 Apr 2019 11:05

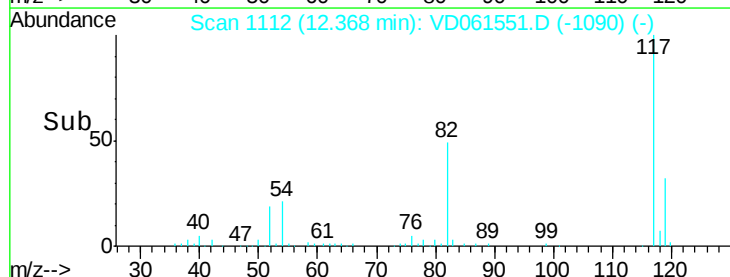
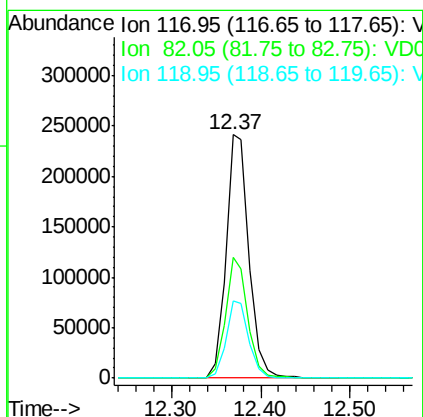
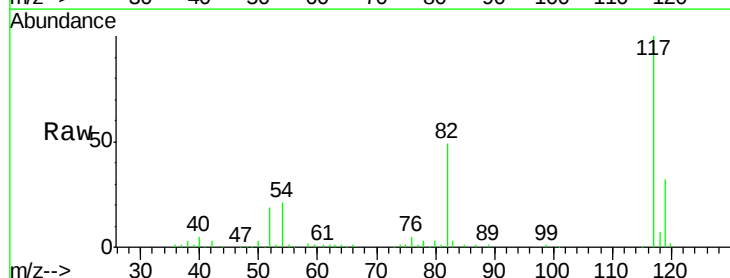
Instrument :
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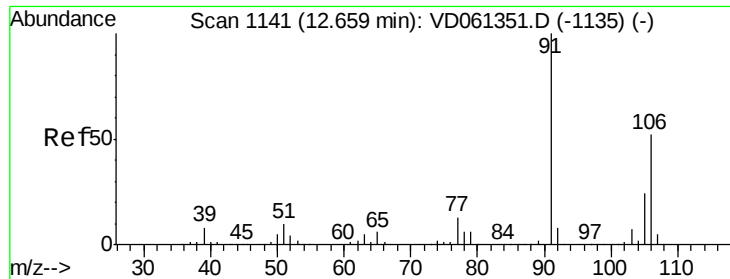
Tot Ion: 95 Resp: 210542
Ion Ratio Lower Upper
95 100
174 77.4 0.0 178.0
176 77.0 0.0 175.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD061551.D
Acq: 3 Apr 2019 11:05

Tgt Ion: 117 Resp: 436129
Ion Ratio Lower Upper
117 100
82 49.4 34.4 51.6
119 32.0 25.8 38.6

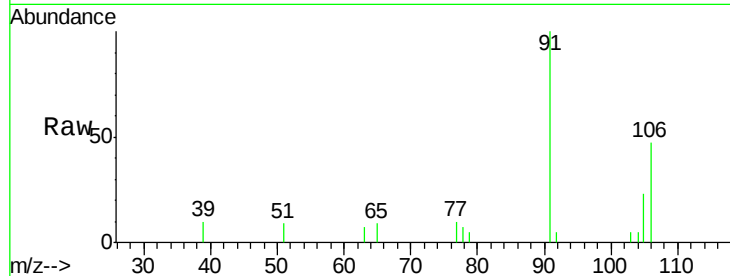




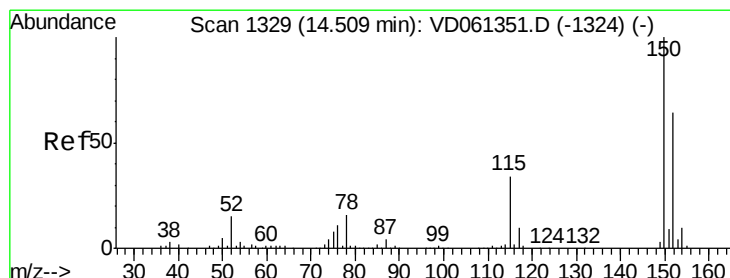
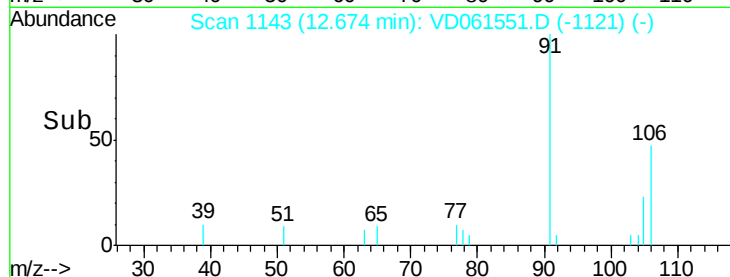
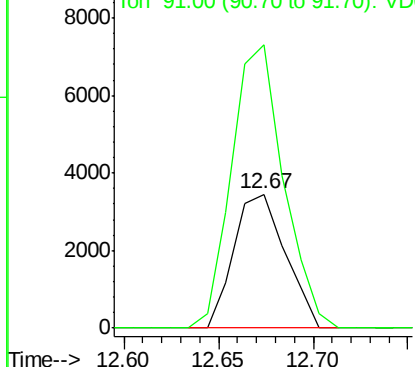
#68
m/p-Xvlenes
Concen: 1.261 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061551.D
Acq: 3 Apr 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
OR-02-040219-B

Tot Ion:106 Resp: 6497
Ion Ratio Lower Upper
106 100
91 211.8 153.1 229.7

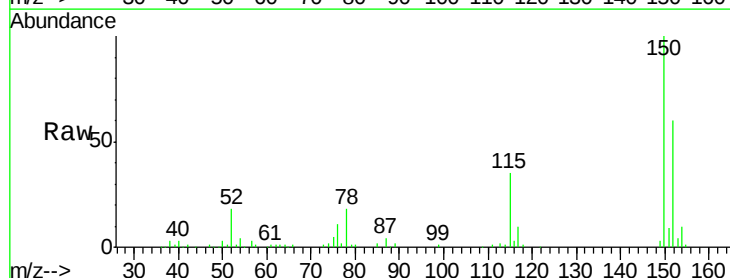


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

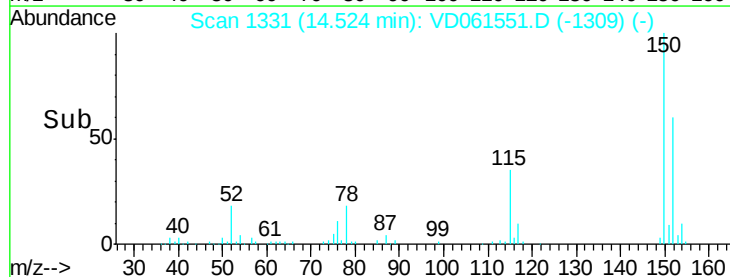
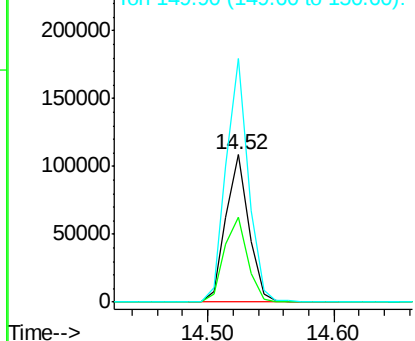


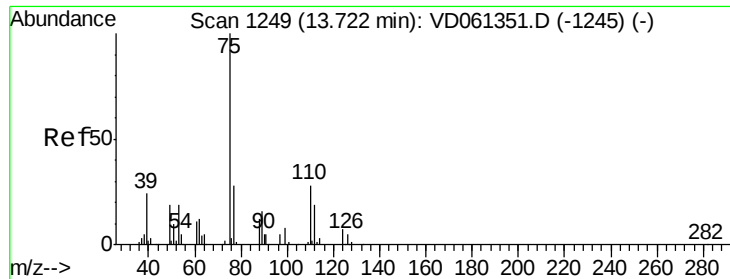
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VD061551.D
Acq: 3 Apr 2019 11:05

Tgt Ion:152 Resp: 137392
Ion Ratio Lower Upper
152 100
115 57.5 26.9 80.6
150 165.6 0.0 318.0



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





#76

1,2,3-Trichloropropane

Concen: 39.488 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. -0.16 min

Lab File: VD061551.D

Acq: 3 Apr 2019 11:05

Instrument :

MSVOA_D

ClientSampleId :

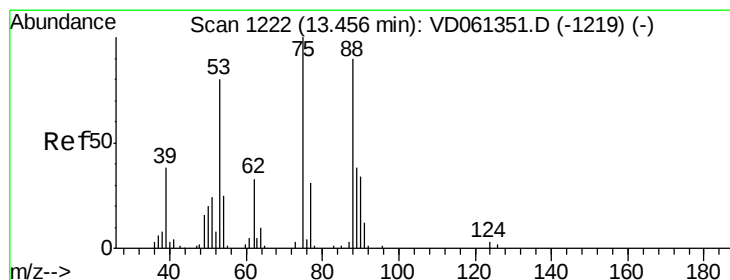
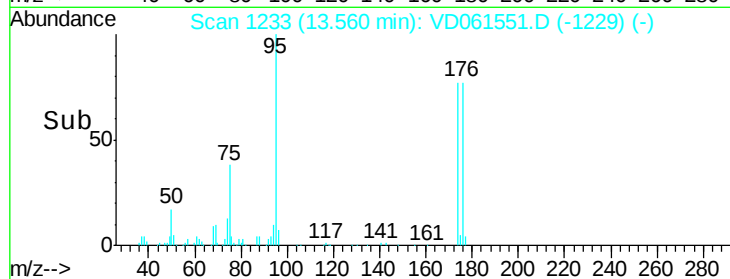
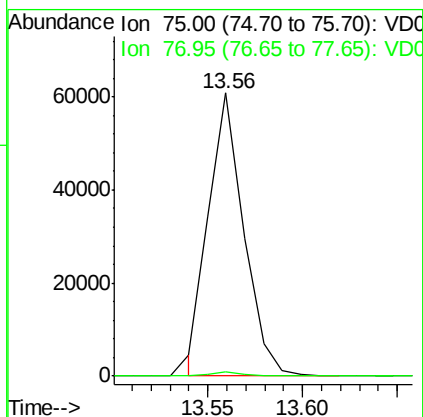
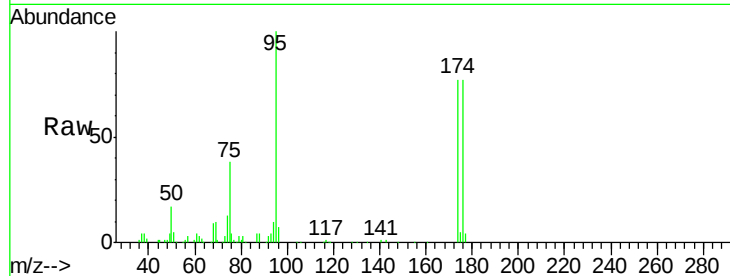
OR-02-040219-B

Tot Ion: 75 Resp: 78371

Ion Ratio Lower Upper

75 100

77 1.7 16.2 48.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 133.929 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD061551.D

Acq: 3 Apr 2019 11:05

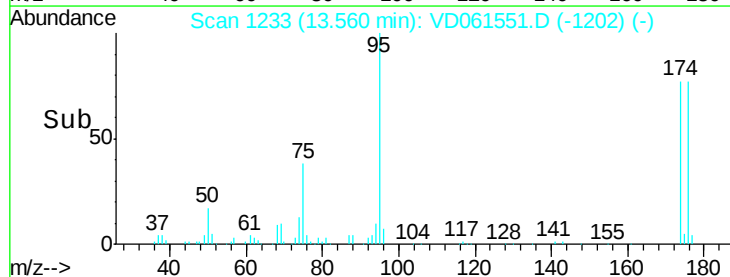
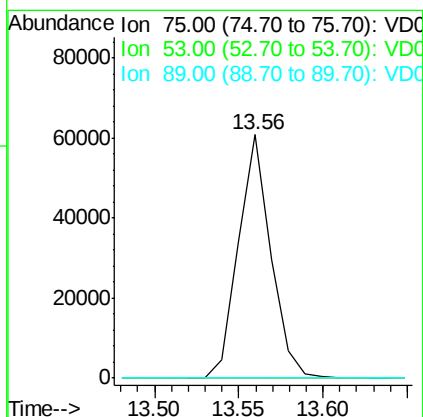
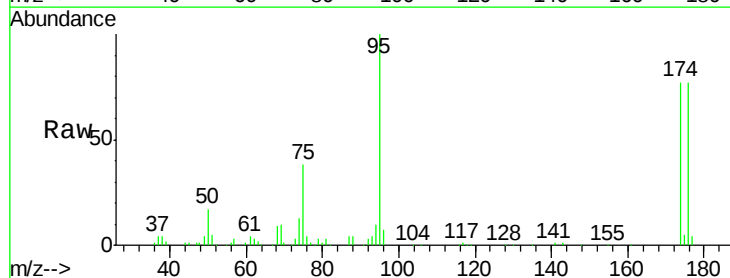
Tgt Ion: 75 Resp: 81044

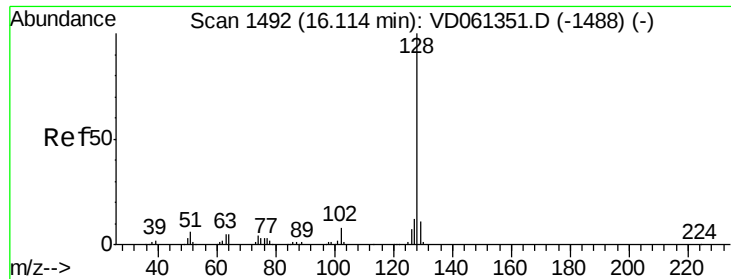
Ion Ratio Lower Upper

75 100

53 0.0 63.8 95.8#

89 0.0 30.5 45.7#





#95
Naphthalene
Concen: 8.063 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD061551.D
Acq: 3 Apr 2019 11:05

Instrument :
MSVOA_D
ClientSampleId :
OR-02-040219-B

Tot Ion:128 Resp: 22044
Ion Ratio Lower Upper
128 100
127 12.5 9.9 14.9
129 8.3 8.9 13.3#

