

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
 Data File : VD063426.D
 Acq On : 7 Aug 2019 18:18
 Operator : JC/SY
 Sample : K4219-07RE
 Misc : 5.79g/5ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 355-35-76RE

Quant Time: Aug 08 08:07:05 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	7.05	168	853807	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.23	114	1230253	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1009281	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	535511	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	503605	53.16	ug/l	0.02
Spiked Amount	50.000		Recovery	=	106.32%	
35) Dibromofluoromethane	6.94	113	538593	51.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	10.42	98	1122723	47.76	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.52%	
62) 4-Bromofluorobenzene	13.56	95	473251	44.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.36%	

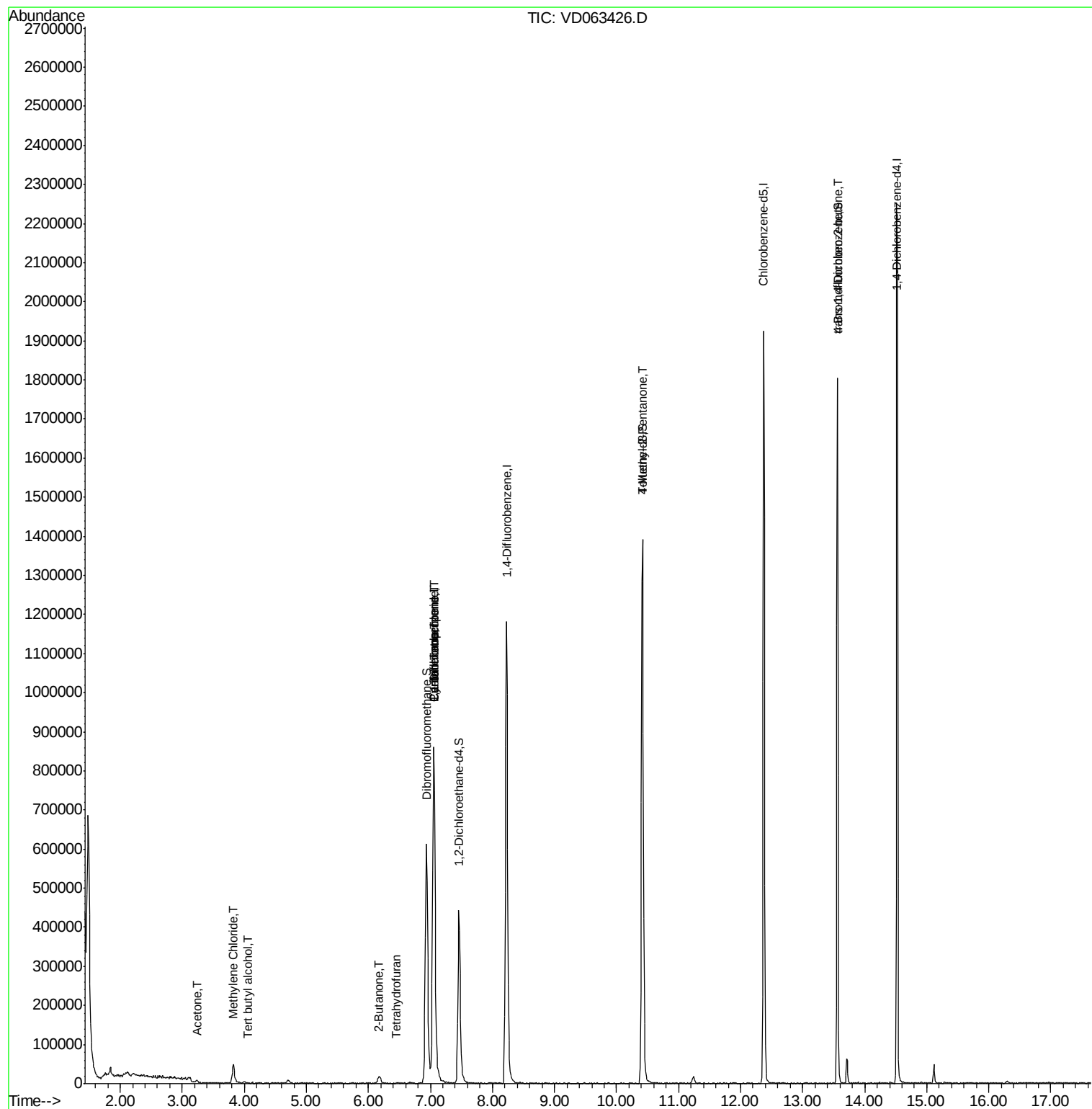
Target Compounds						Qvalue
11) Tert butyl alcohol	4.06	59	663	1.595	ug/l #	69
16) Acetone	3.24	43	10290	5.575	ug/l #	92
20) Methylene Chloride	3.83	84	28038	3.758	ug/l	96
25) 2-Butanone	6.17	43	2386	1.288	ug/l #	56
29) Tetrahydrofuran	6.45	42	1093	1.246	ug/l #	65
31) Cyclohexane	7.05	56	18956	2.246	ug/l #	1
36) 1,1-Dichloropropene	7.05	75	69949	6.230	ug/l #	54
38) Carbon Tetrachloride	7.05	117	87437	5.173	ug/l #	14
51) 4-Methyl-2-Pentanone	10.41	43	7709	1.759	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.56	75	217682	121.877	ug/l #	3

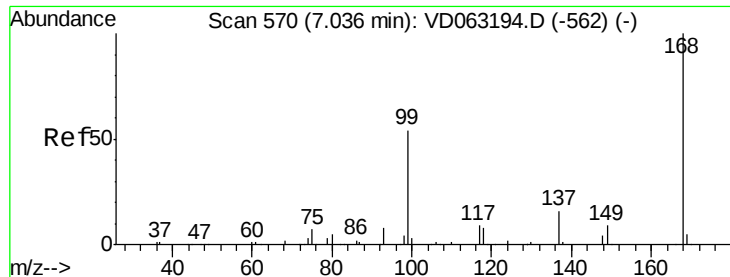
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080719\
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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: 7.05 min Scan# 572

Delta R.T. 0.02 min

Lab File: VD063426.D

Acq: 7 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

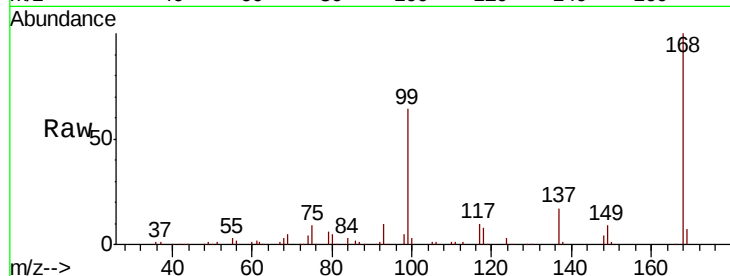
355-35-76RE

Tgt Ion:168 Resp: 853807

Ion Ratio Lower Upper

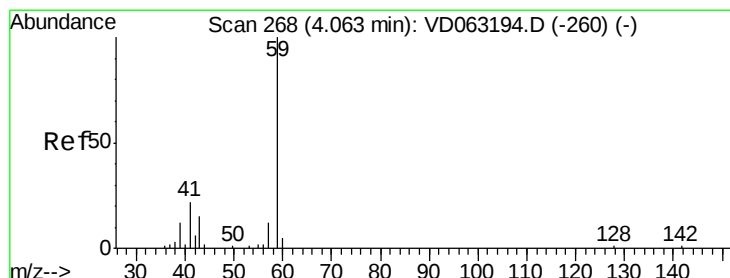
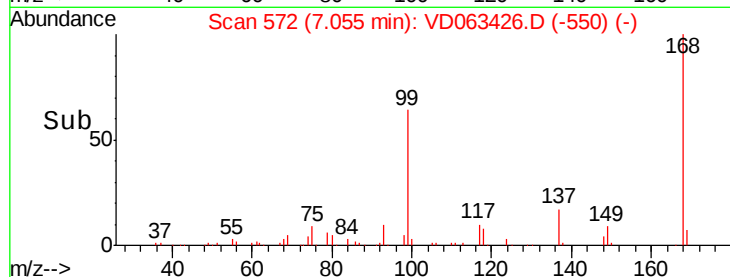
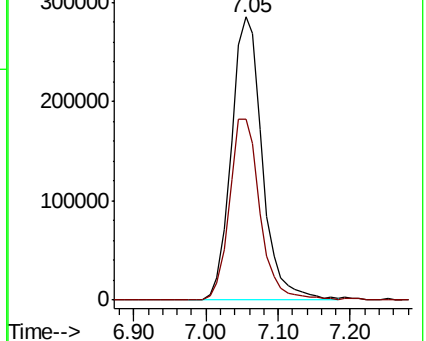
168 100

99 63.9 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: 1.595 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD063426.D

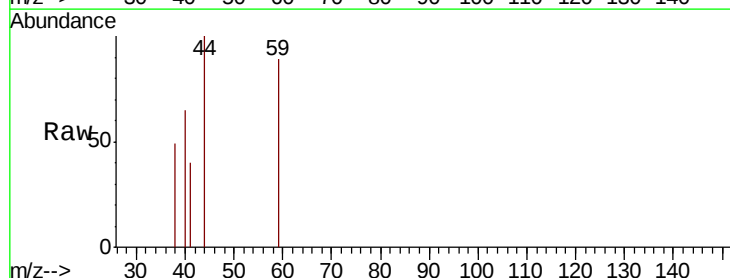
Acq: 7 Aug 2019 18:18

Tgt Ion: 59 Resp: 663

Ion Ratio Lower Upper

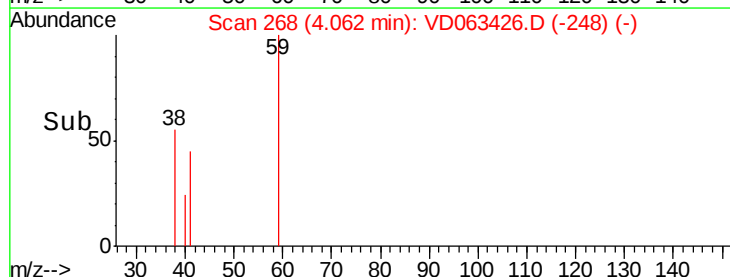
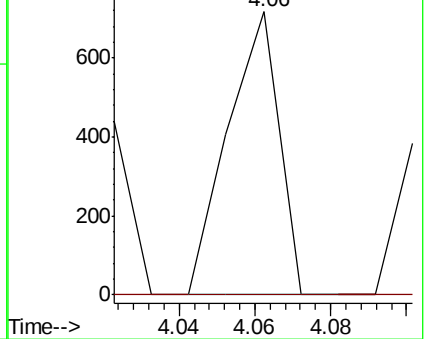
59 100

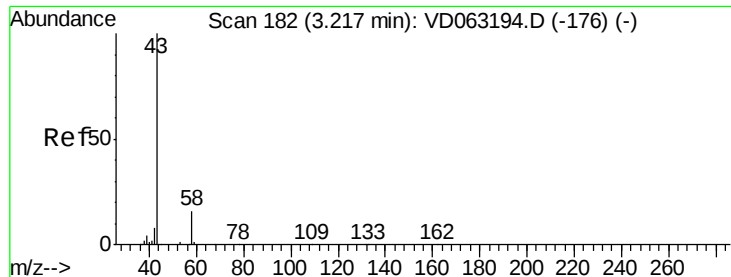
57 0.0 9.6 14.4#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC





#16

Acetone

Concen: 5.575 ug/l

RT: 3.24 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD063426.D

Acq: 7 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

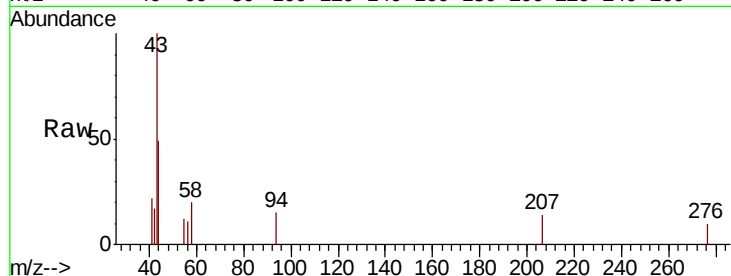
355-35-76RE

Tgt Ion: 43 Resp: 10290

Ion Ratio Lower Upper

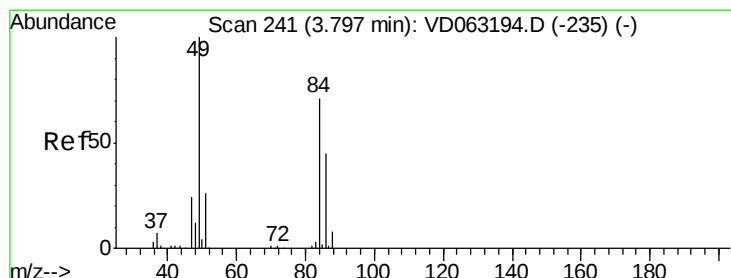
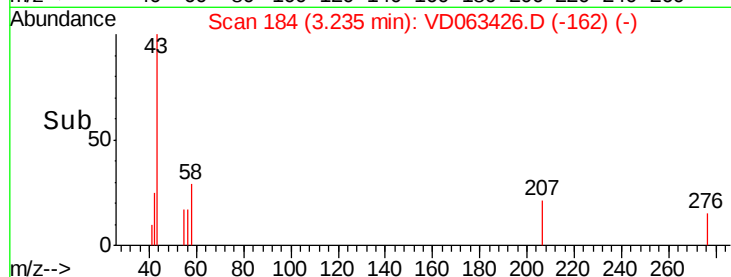
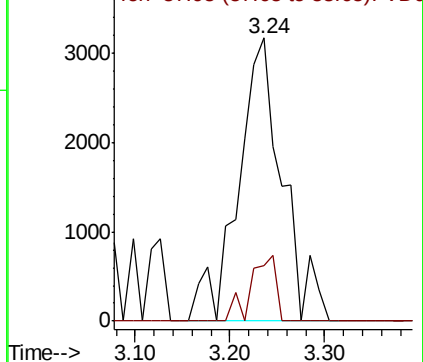
43 100

58 19.7 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#20

Methylene Chloride

Concen: 3.758 ug/l

RT: 3.83 min Scan# 244

Delta R.T. 0.03 min

Lab File: VD063426.D

Acq: 7 Aug 2019 18:18

Tgt Ion: 84 Resp: 28038

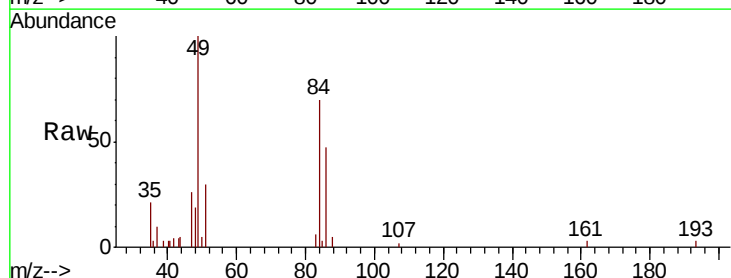
Ion Ratio Lower Upper

84 100

49 142.6 112.5 168.7

51 43.2 29.6 44.4

86 67.1 50.4 75.6

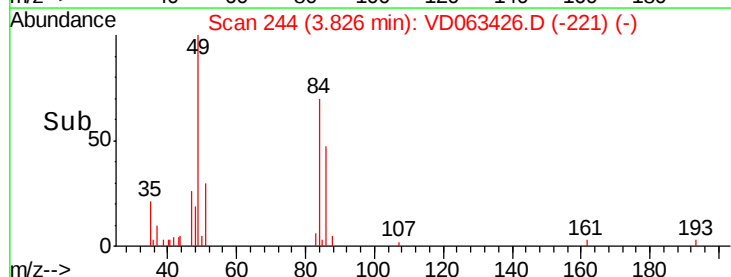
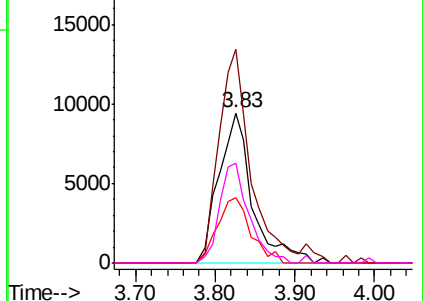


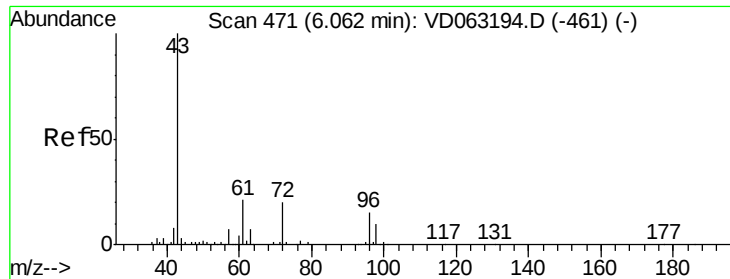
Abundance Ion 83.95 (83.65 to 84.65): VDC

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





#25

2-Butanone

Concen: 1.288 ug/l

RT: 6.17 min Scan# 482

Delta R.T. 0.11 min

Lab File: VD063426.D

Acq: 7 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

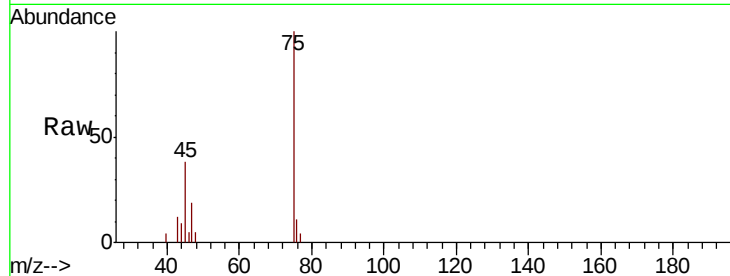
355-35-76RE

Tgt Ion: 43 Resp: 2386

Ion Ratio Lower Upper

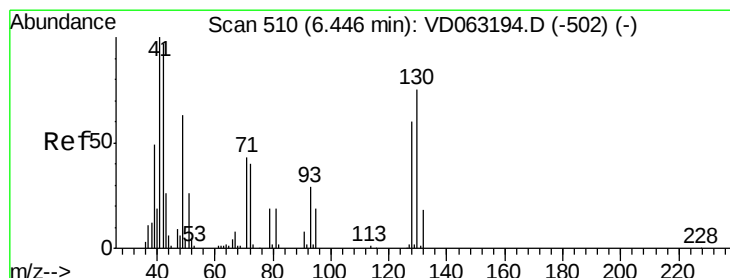
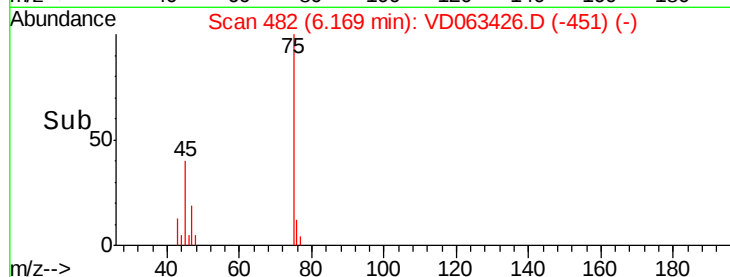
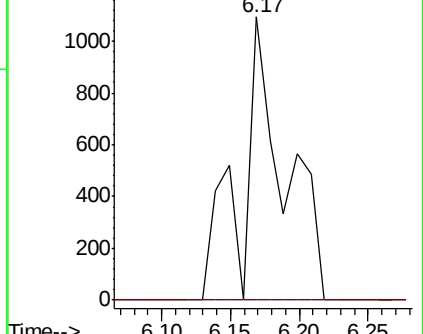
43 100

72 0.0 16.3 24.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 1.246 ug/l

RT: 6.45 min Scan# 511

Delta R.T. 0.01 min

Lab File: VD063426.D

Acq: 7 Aug 2019 18:18

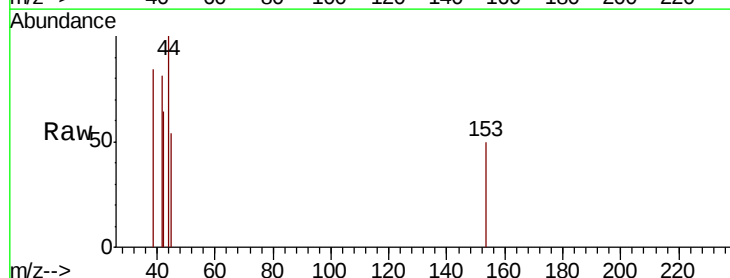
Tgt Ion: 42 Resp: 1093

Ion Ratio Lower Upper

42 100

72 18.8 33.4 50.2#

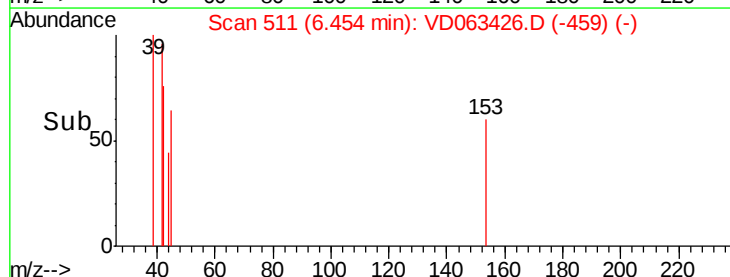
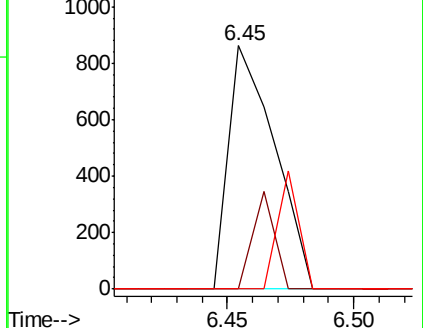
71 22.6 35.7 53.5#

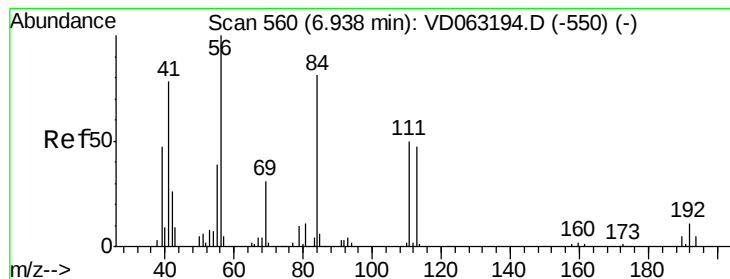


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC





#31

Cyclohexane

Concen: 2.246 ug/l

RT: 7.05 min Scan# 571

Delta R.T. 0.11 min

Lab File: VD063426.D

Acq: 7 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

355-35-76RE

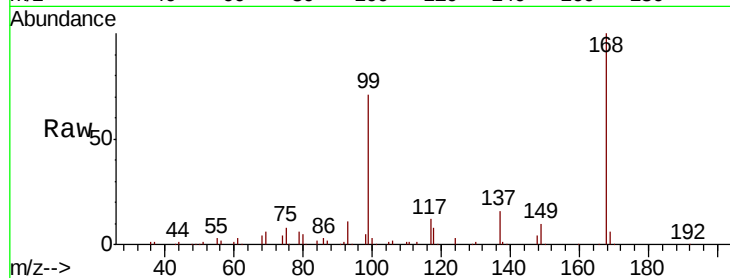
Tgt Ion: 56 Resp: 18956

Ion Ratio Lower Upper

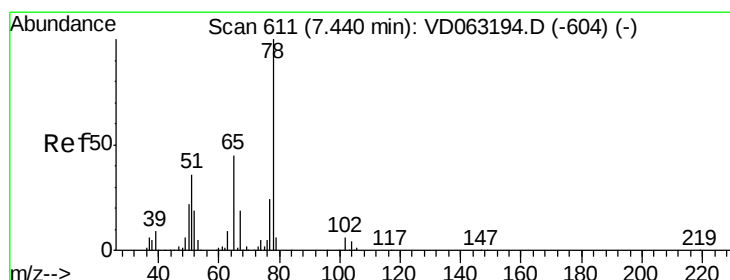
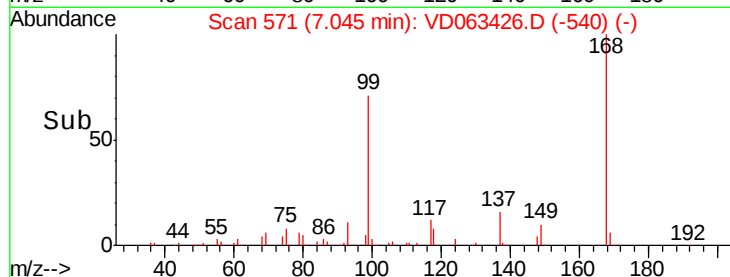
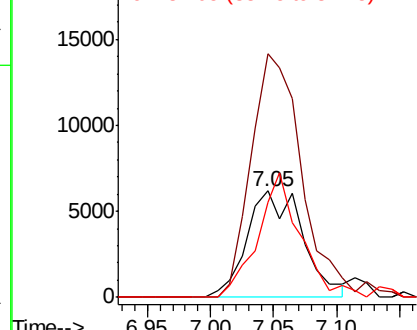
56 100

69 229.3 24.5 36.7#

84 89.7 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: 53.158 ug/l

RT: 7.46 min Scan# 613

Delta R.T. 0.02 min

Lab File: VD063426.D

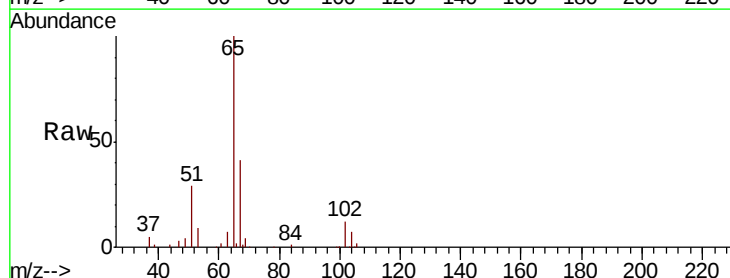
Acq: 7 Aug 2019 18:18

Tgt Ion: 65 Resp: 503605

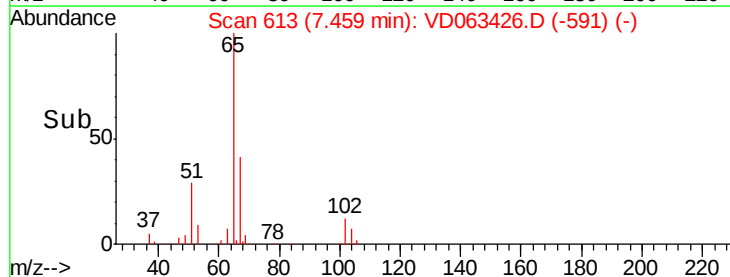
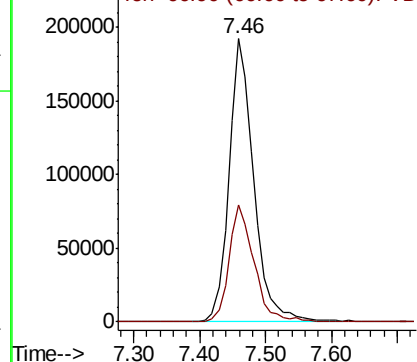
Ion Ratio Lower Upper

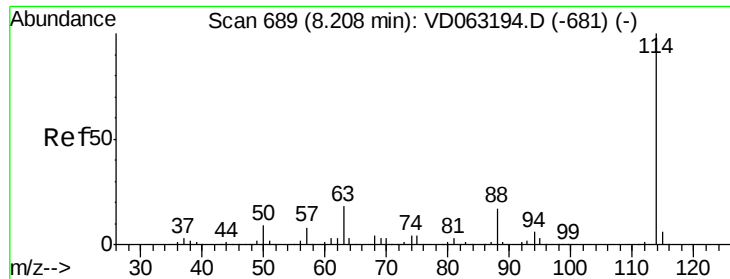
65 100

67 41.2 0.0 85.8



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

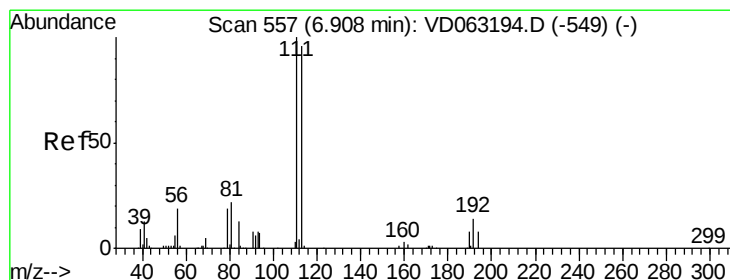
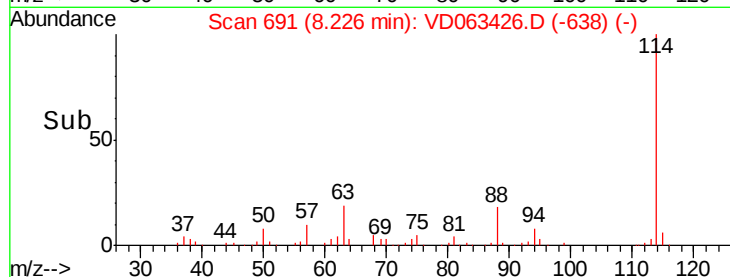
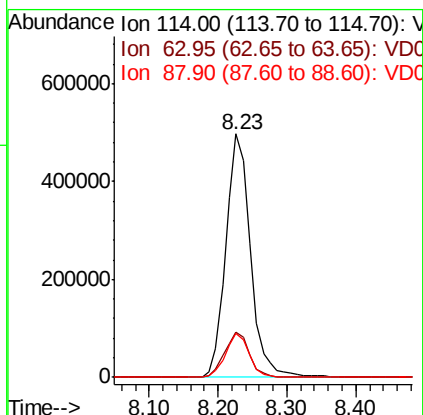
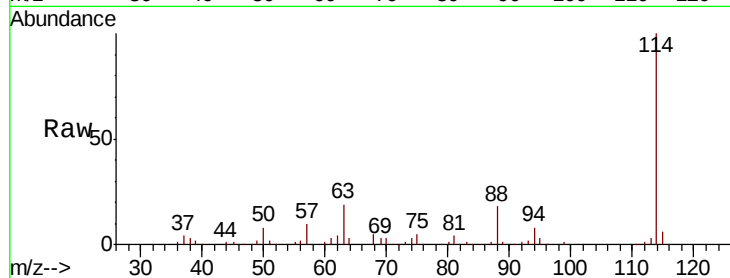




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.23 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD063426.D
 Acq: 7 Aug 2019 18:18

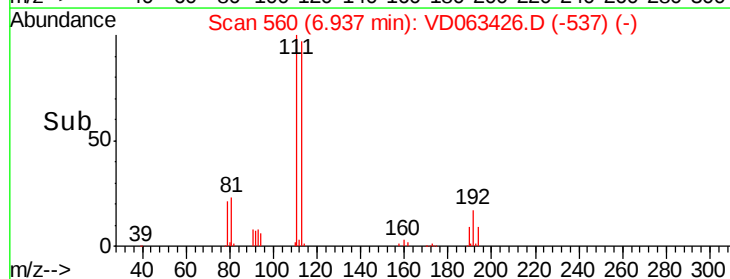
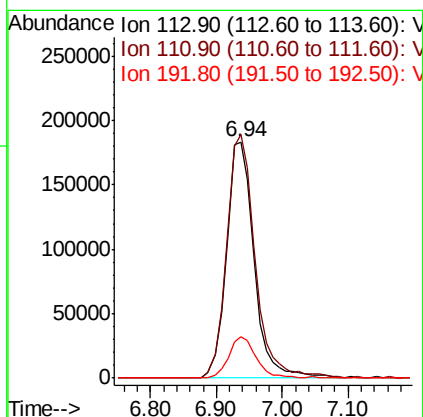
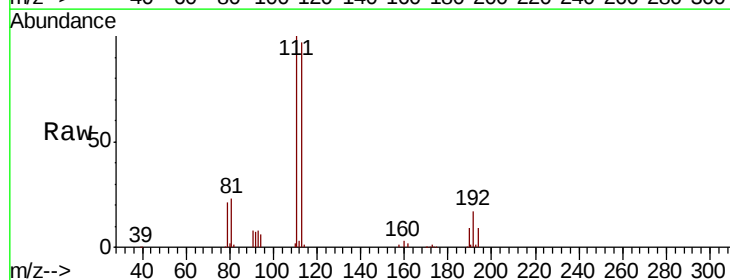
Instrument :
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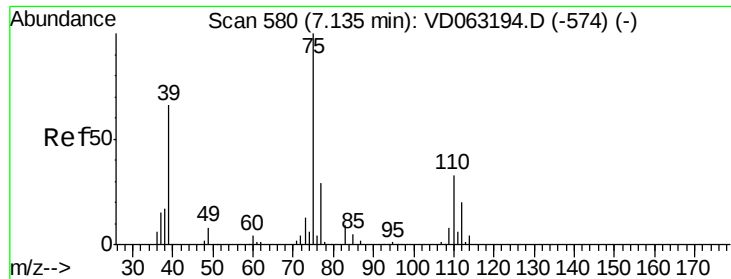
Tgt Ion:114 Resp: 1230253
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.2
 88 17.8 0.0 34.6



#35
 Dibromofluoromethane
 Concen: 51.276 ug/l
 RT: 6.94 min Scan# 560
 Delta R.T. 0.03 min
 Lab File: VD063426.D
 Acq: 7 Aug 2019 18:18

Tgt Ion:113 Resp: 538593
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.2 124.8
 192 17.4 11.8 17.8

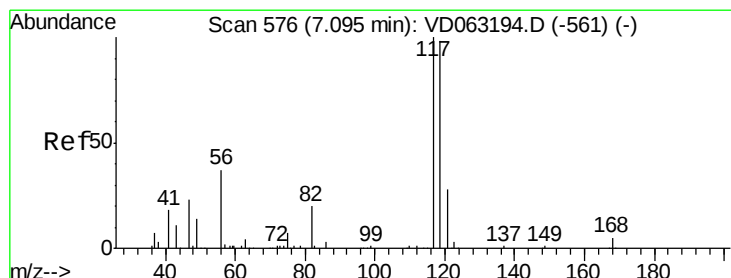
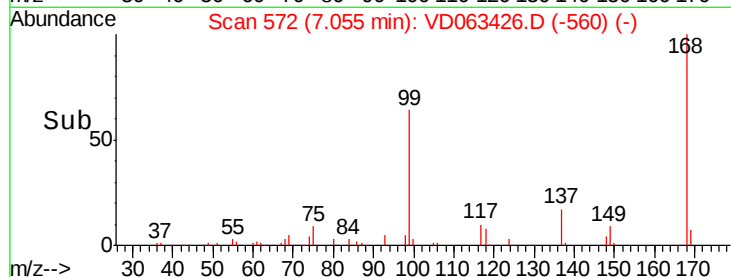
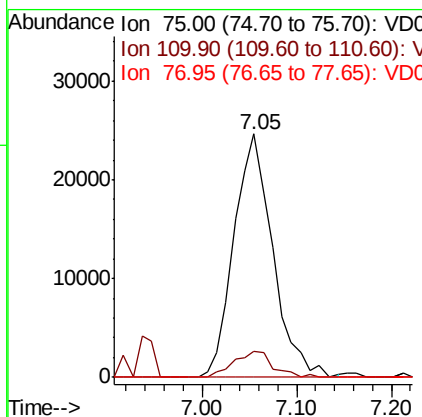
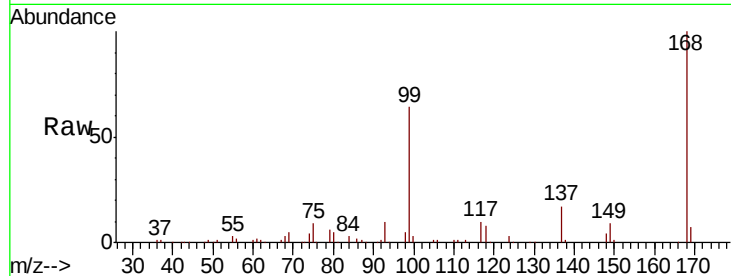




#36
 1,1-Dichloropropene
 Concen: 6.230 ug/l
 RT: 7.05 min Scan# 572
 Delta R.T. -0.08 min
 Lab File: VD063426.D
 Acq: 7 Aug 2019 18:18

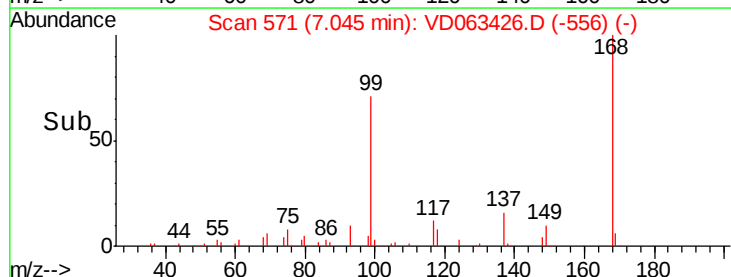
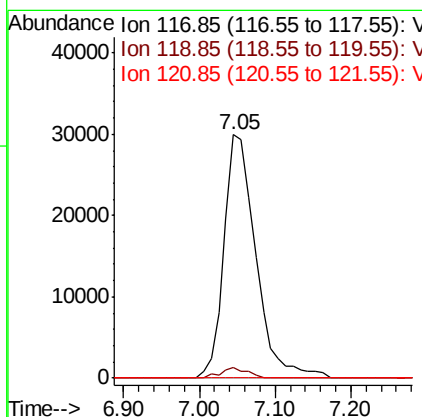
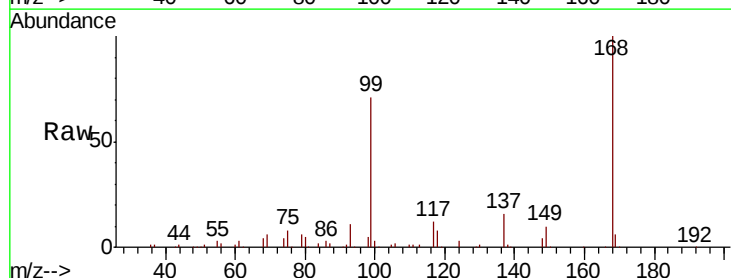
Instrument :
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 355-35-76RE

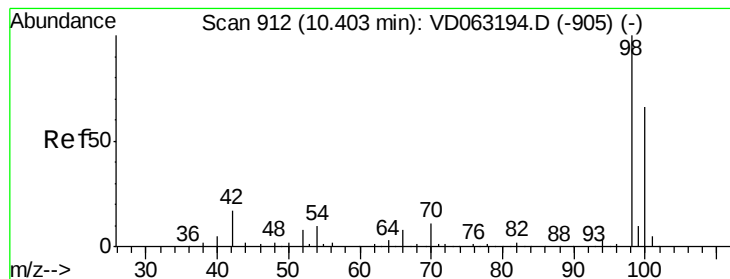
Tgt Ion: 75 Resp: 69949
 Ion Ratio Lower Upper
 75 100
 110 10.5 16.1 48.2#
 77 0.0 22.7 34.1#



#38
 Carbon Tetrachloride
 Concen: 5.173 ug/l
 RT: 7.05 min Scan# 571
 Delta R.T. -0.05 min
 Lab File: VD063426.D
 Acq: 7 Aug 2019 18:18

Tgt Ion: 117 Resp: 87437
 Ion Ratio Lower Upper
 117 100
 119 4.2 78.2 117.2#
 121 0.0 22.1 33.1#





#50

Toluene-d8

Concen: 47.761 ug/l

RT: 10.42 min Scan# 914

Delta R.T. 0.02 min

Lab File: VD063426.D

Acq: 7 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

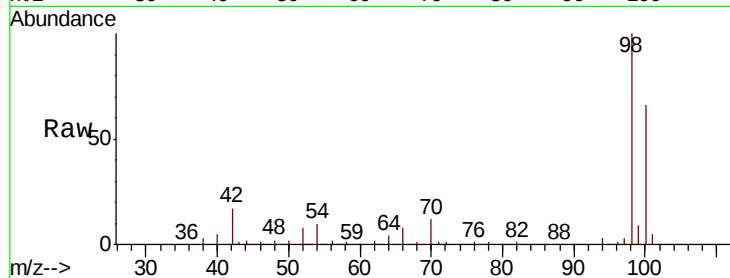
355-35-76RE

Tgt Ion: 98 Resp: 1122723

Ion Ratio Lower Upper

98 100

100 66.2 53.2 79.8



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

10.42

500000

400000

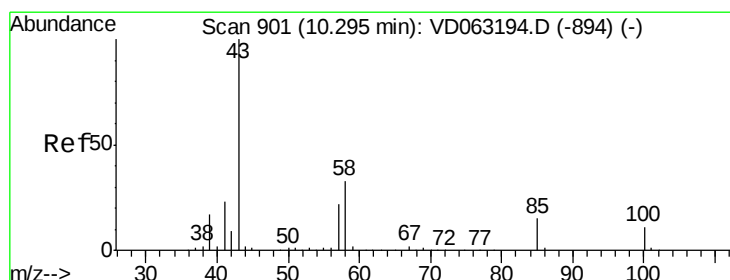
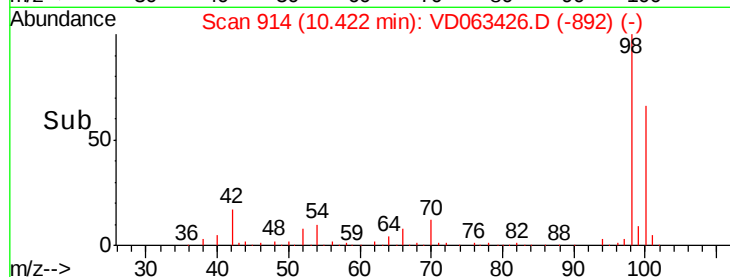
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.759 ug/l

RT: 10.41 min Scan# 913

Delta R.T. 0.12 min

Lab File: VD063426.D

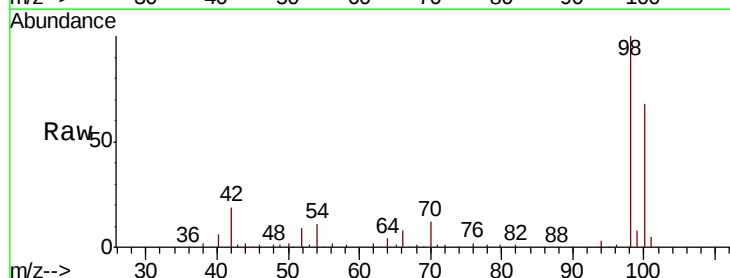
Acq: 7 Aug 2019 18:18

Tgt Ion: 43 Resp: 7709

Ion Ratio Lower Upper

43 100

58 99.7 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.41

4000

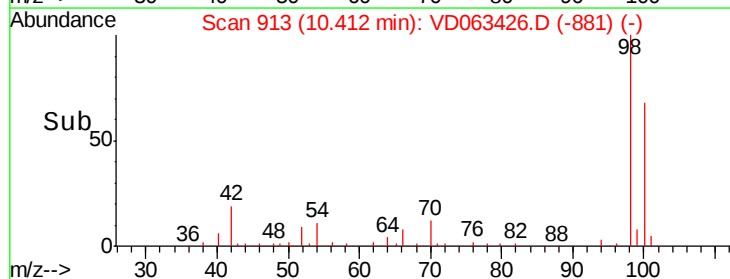
3000

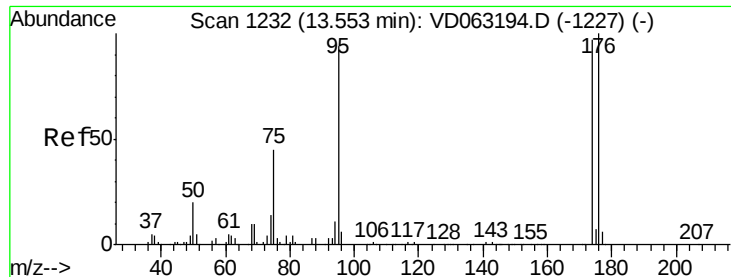
2000

1000

0

Time-->

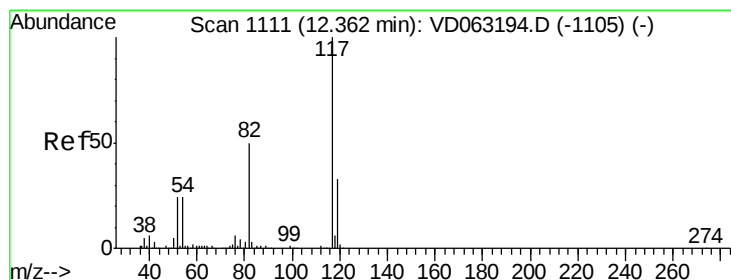
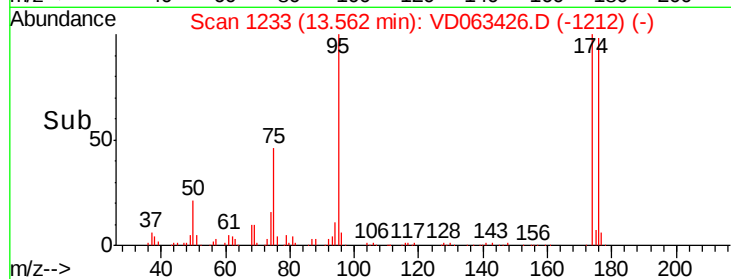
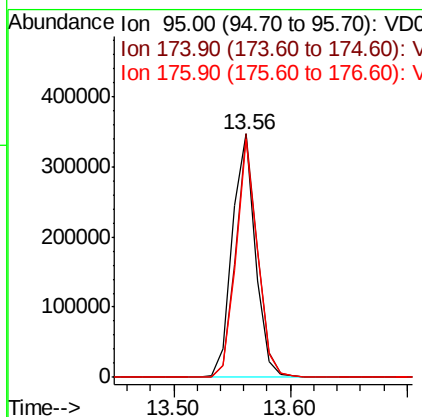
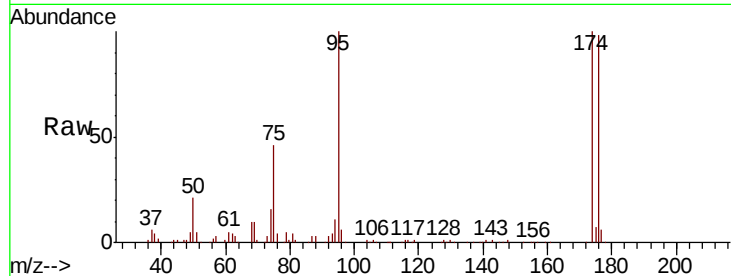




#62
4-Bromofluorobenzene
Concen: 44.179 ug/l
RT: 13.56 min Scan# 1233
Delta R.T. 0.01 min
Lab File: VD063426.D
Acq: 7 Aug 2019 18:18

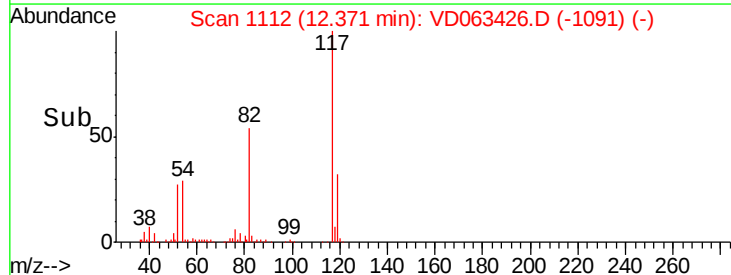
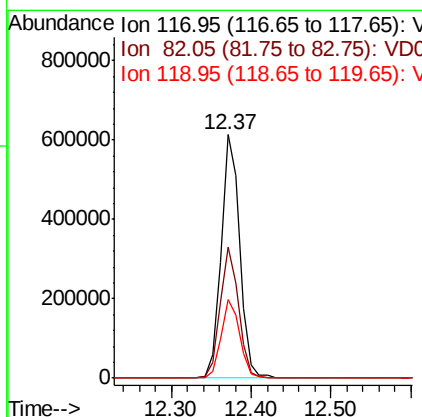
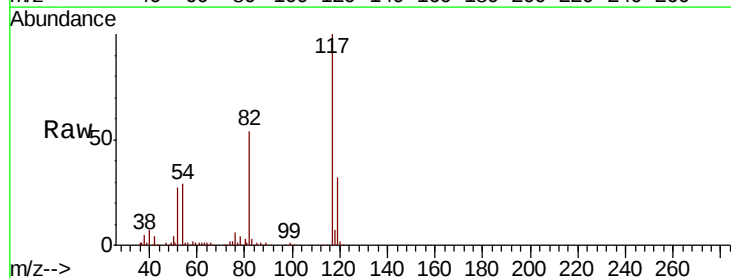
Instrument :
MSVOA_D
ClientSampleId :
355-35-76RE

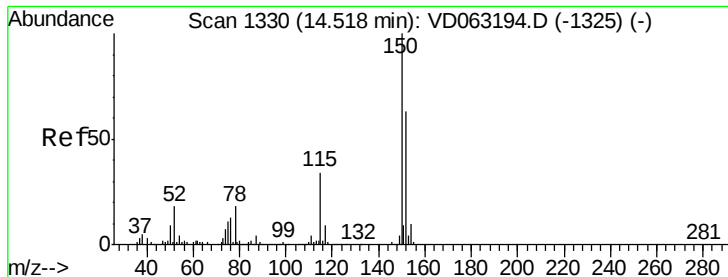
Tgt Ion: 95 Resp: 473251
Ion Ratio Lower Upper
95 100
174 100.1 0.0 205.4
176 98.3 0.0 211.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD063426.D
Acq: 7 Aug 2019 18:18

Tgt Ion: 117 Resp: 1009281
Ion Ratio Lower Upper
117 100
82 53.6 40.1 60.1
119 32.4 26.5 39.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD063426.D

Acq: 7 Aug 2019 18:18

Instrument :

MSVOA_D

ClientSampleId :

355-35-76RE

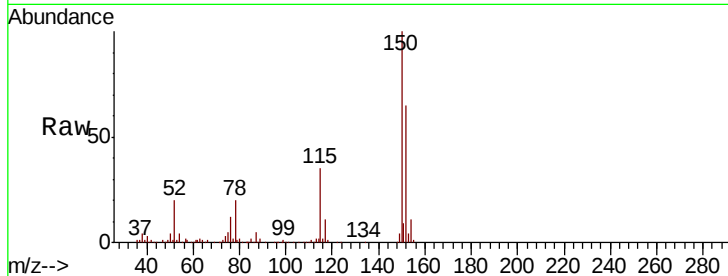
Tgt Ion:152 Resp: 535511

Ion Ratio Lower Upper

152 100

115 54.3 27.5 82.4

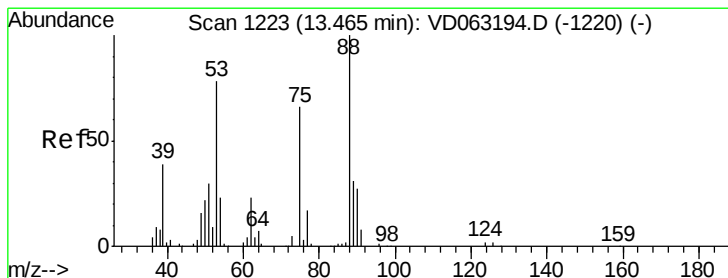
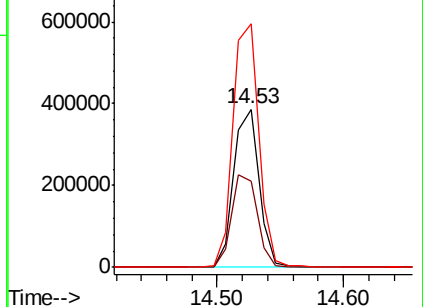
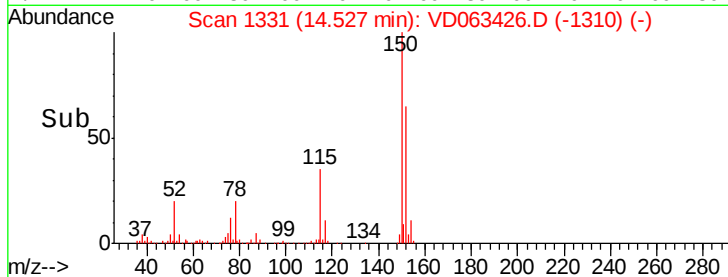
150 154.0 0.0 320.6



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: 121.877 ug/l

RT: 13.56 min Scan# 1233

Delta R.T. 0.10 min

Lab File: VD063426.D

Acq: 7 Aug 2019 18:18

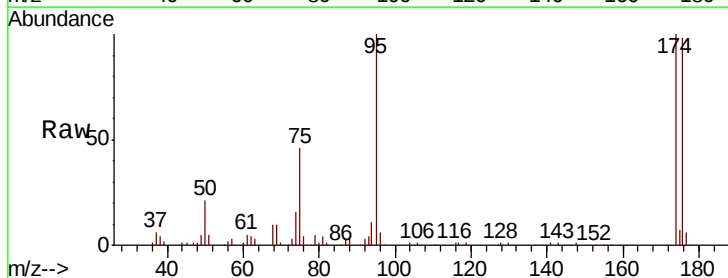
Tgt Ion: 75 Resp: 217682

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

