

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
 Data File : VD063715.D
 Acq On : 21 Aug 2019 16:15
 Operator : JC/SY
 Sample : K4386-17
 Misc : 6.41g/5ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A2-(2)

Quant Time: Aug 22 01:27:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	850845	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.23	114	1160660	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	881563	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	309482	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.46	65	468747	51.54	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.08%	
35) Dibromofluoromethane	6.93	113	531961	54.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.84%	
50) Toluene-d8	10.41	98	998864	46.48	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.96%	
62) 4-Bromofluorobenzene	13.55	95	361534	37.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.24%	

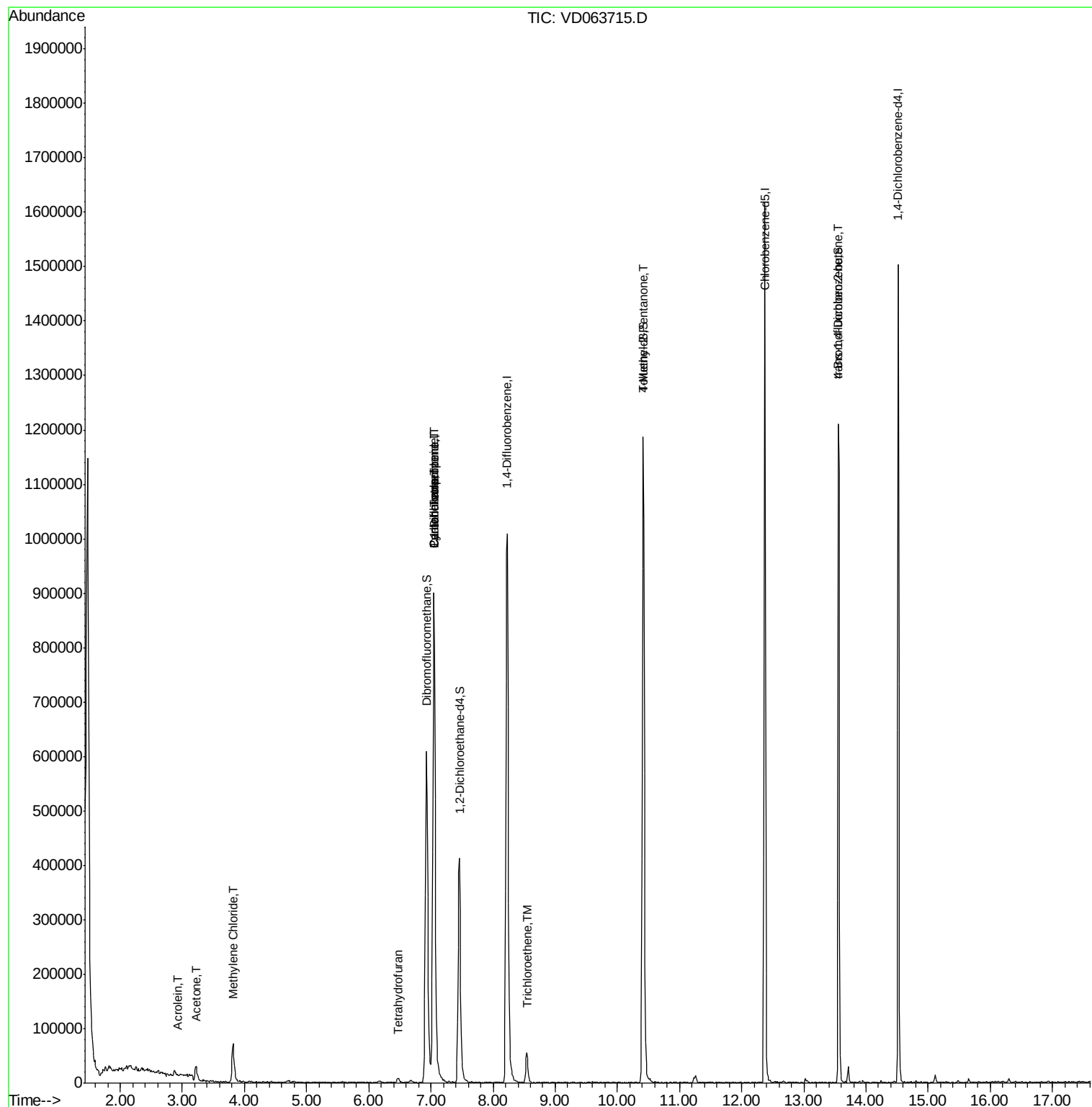
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.91	56	476	1.221	ug/l	91
16) Acetone	3.23	43	54861	29.674	ug/l #	93
20) Methylene Chloride	3.82	84	41300	5.166	ug/l	94
29) Tetrahydrofuran	6.47	42	5745	6.752	ug/l #	77
31) Cyclohexane	7.04	56	17039	2.075	ug/l #	18
36) 1,1-Dichloropropene	7.05	75	65923	6.425	ug/l #	47
38) Carbon Tetrachloride	7.05	117	78673	5.088	ug/l #	17
44) Trichloroethene	8.54	130	24747	2.867	ug/l	83
51) 4-Methyl-2-Pentanone	10.40	43	6015	1.527	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	164101	171.899	ug/l #	1

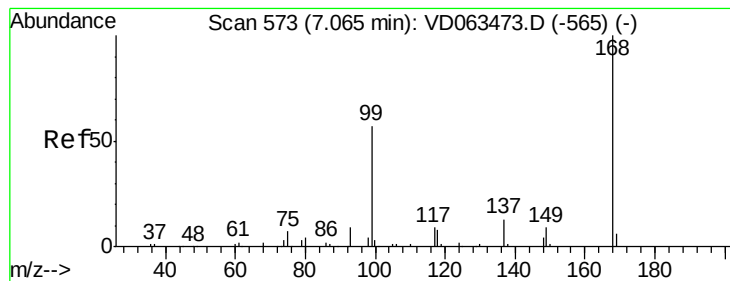
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082119\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.02 min

Lab File: VD063715.D

Acq: 21 Aug 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

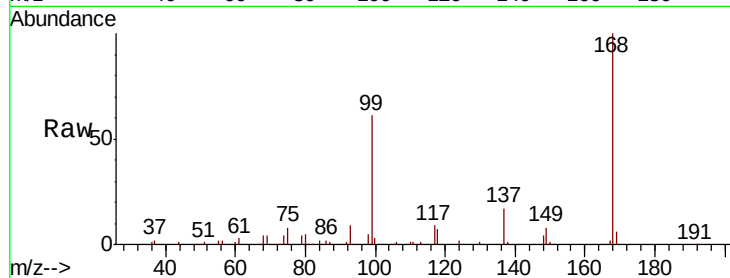
T6-A2-(2)

Tgt Ion:168 Resp: 850845

Ion Ratio Lower Upper

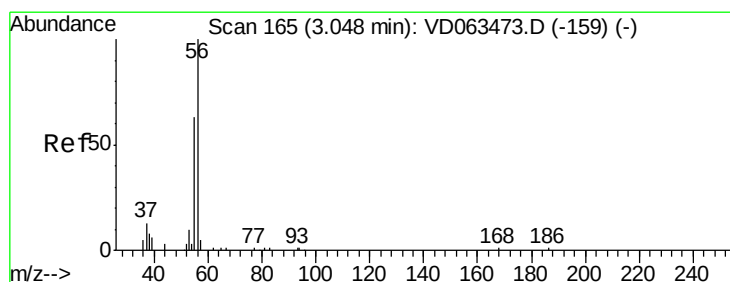
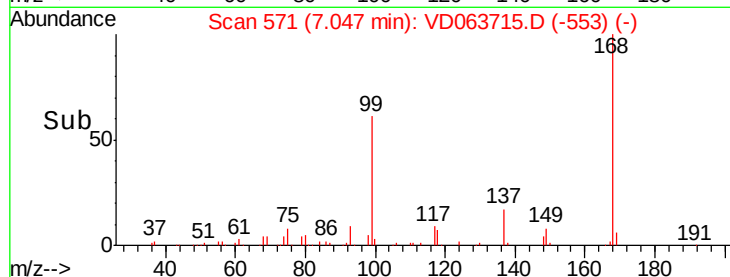
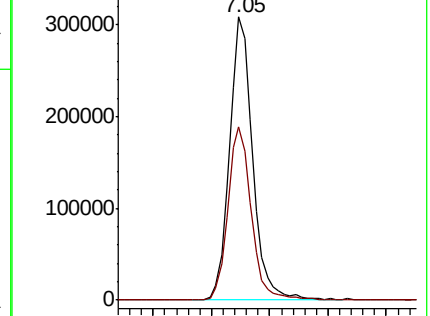
168 100

99 61.0 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 1.221 ug/l

RT: 2.91 min Scan# 151

Delta R.T. -0.14 min

Lab File: VD063715.D

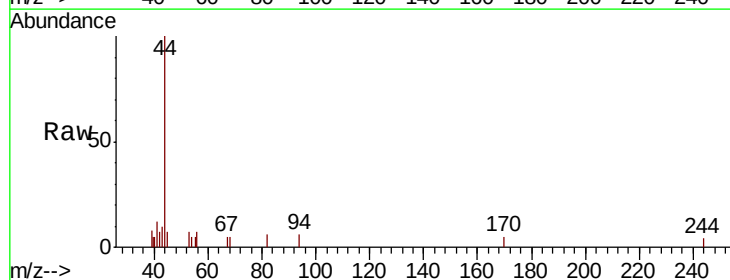
Acq: 21 Aug 2019 16:15

Tgt Ion: 56 Resp: 476

Ion Ratio Lower Upper

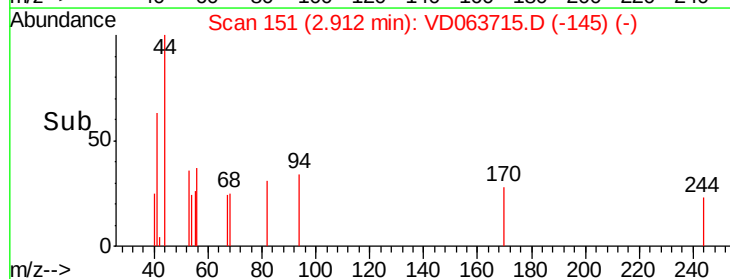
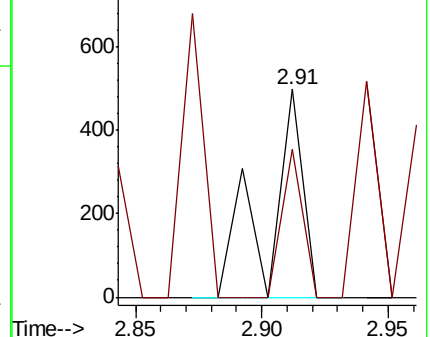
56 100

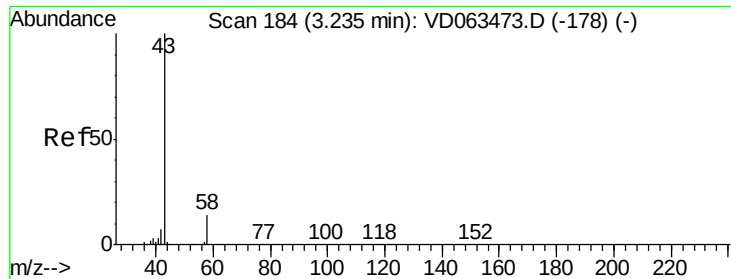
55 70.9 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#16

Acetone

Concen: 29.674 ug/l

RT: 3.23 min Scan# 183

Delta R.T. -0.01 min

Lab File: VD063715.D

Acq: 21 Aug 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

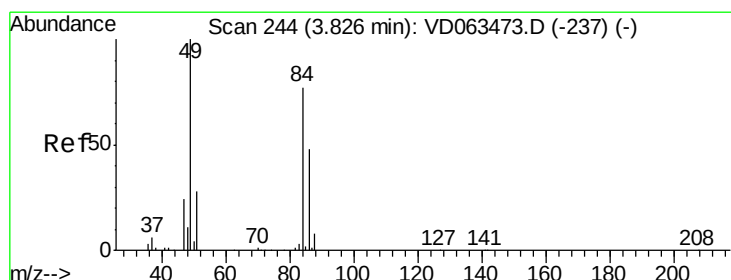
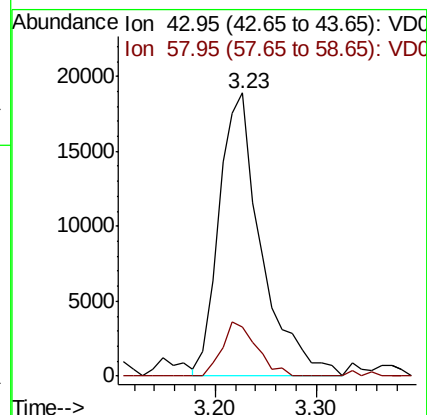
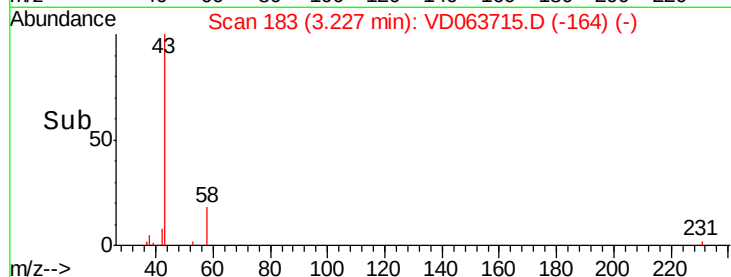
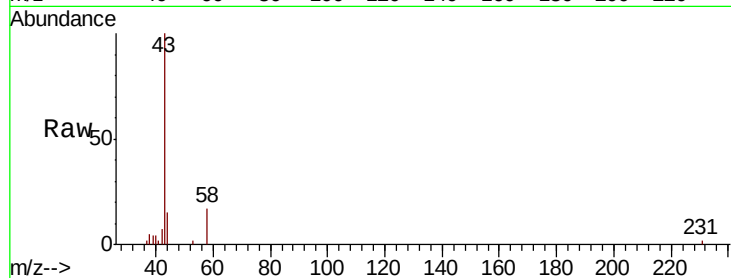
T6-A2-(2)

Tgt Ion: 43 Resp: 54861

Ion Ratio Lower Upper

43 100

58 17.2 11.4 17.2#



#20

Methylene Chloride

Concen: 5.166 ug/l

RT: 3.82 min Scan# 243

Delta R.T. -0.01 min

Lab File: VD063715.D

Acq: 21 Aug 2019 16:15

Tgt Ion: 84 Resp: 41300

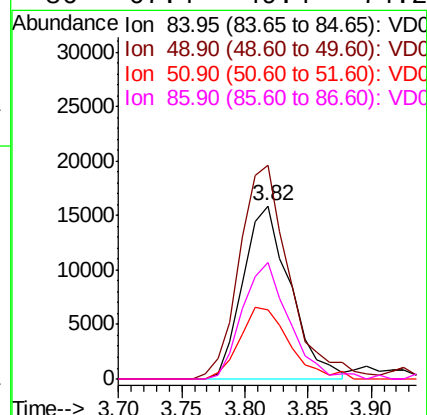
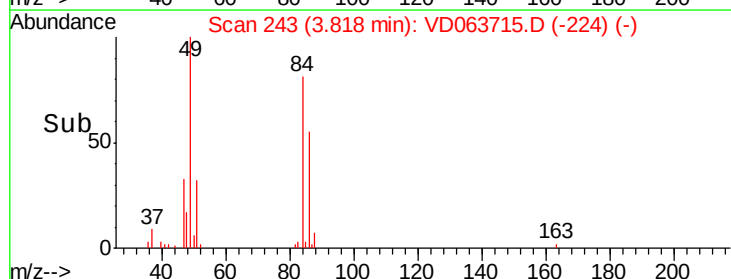
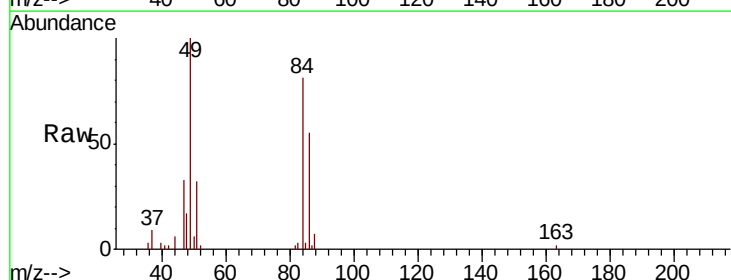
Ion Ratio Lower Upper

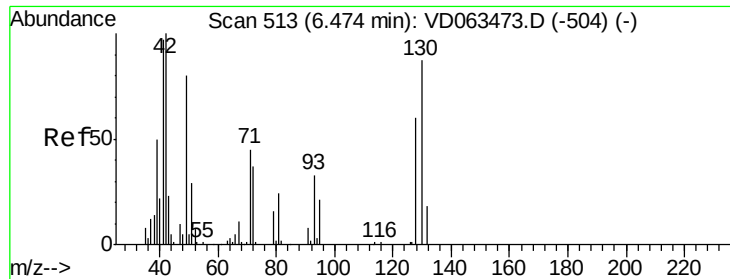
84 100

49 123.5 103.4 155.2

51 40.0 28.5 42.7

86 67.4 49.4 74.2

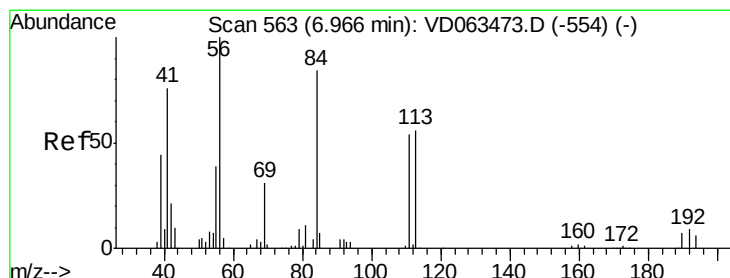
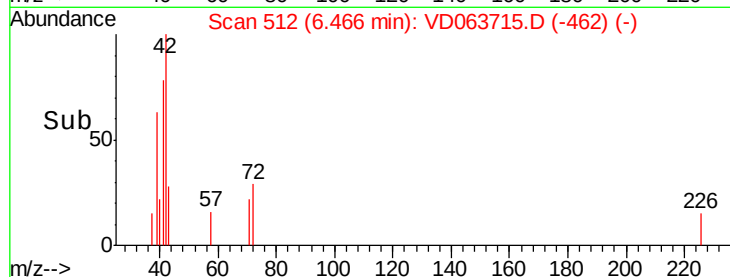
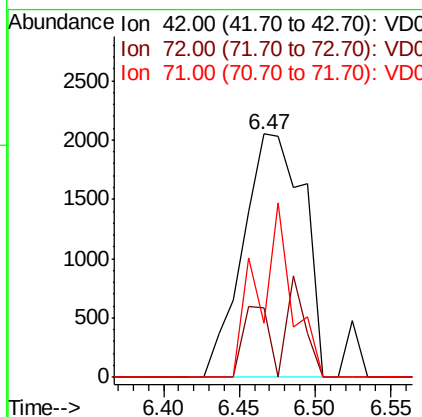
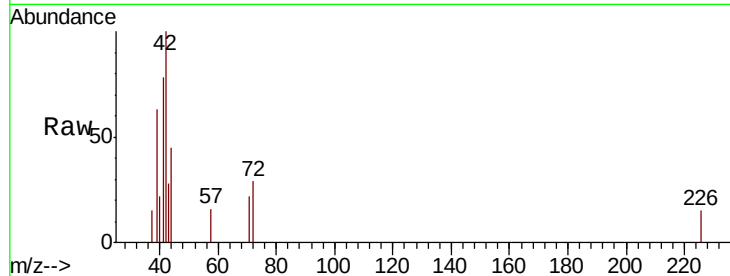




#29
Tetrahydrofuran
Concen: 6.752 ug/l
RT: 6.47 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD063715.D
Acq: 21 Aug 2019 16:15

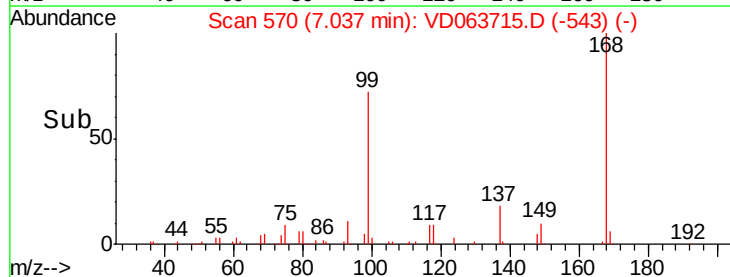
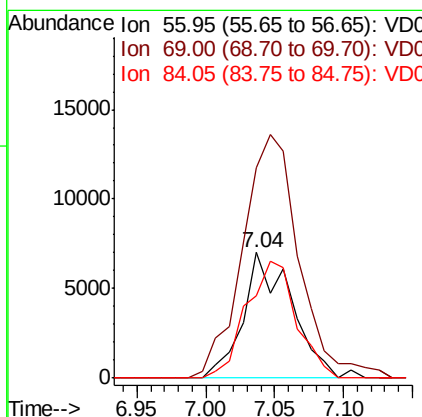
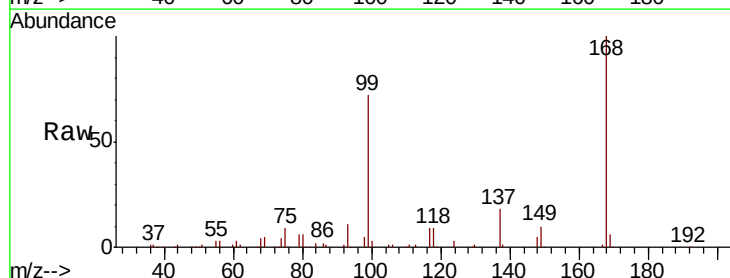
Instrument :
MSVOA_D
ClientSampleId :
T6-A2-(2)

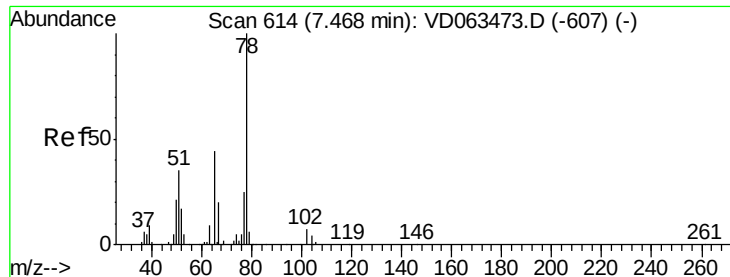
Tgt Ion: 42 Resp: 5745
Ion Ratio Lower Upper
42 100
72 12.6 31.5 47.3#
71 39.8 33.8 50.8



#31
Cyclohexane
Concen: 2.075 ug/l
RT: 7.04 min Scan# 570
Delta R.T. 0.07 min
Lab File: VD063715.D
Acq: 21 Aug 2019 16:15

Tgt Ion: 56 Resp: 17039
Ion Ratio Lower Upper
56 100
69 167.8 25.0 37.6#
84 66.0 69.7 104.5#





#33

1,2-Dichloroethane-d4

Concen: 51.540 ug/l

RT: 7.46 min Scan# 613

Delta R.T. -0.01 min

Lab File: VD063715.D

Acq: 21 Aug 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

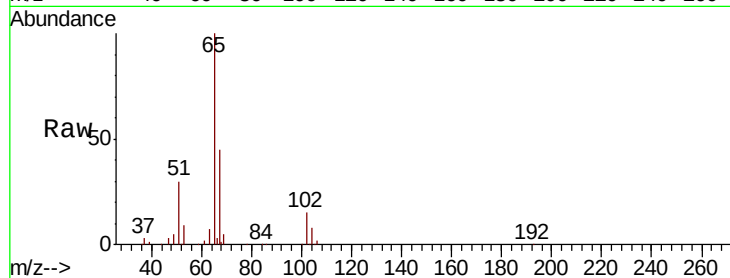
T6-A2-(2)

Tgt Ion: 65 Resp: 468747

Ion Ratio Lower Upper

65 100

67 45.0 0.0 89.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.46

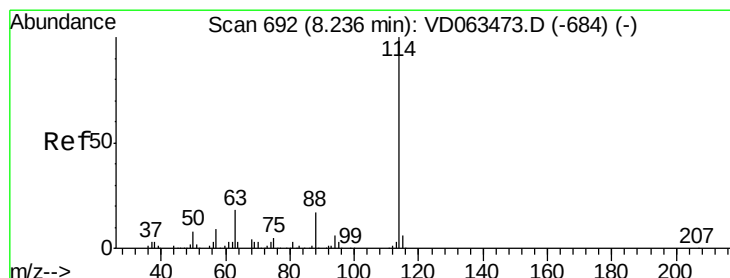
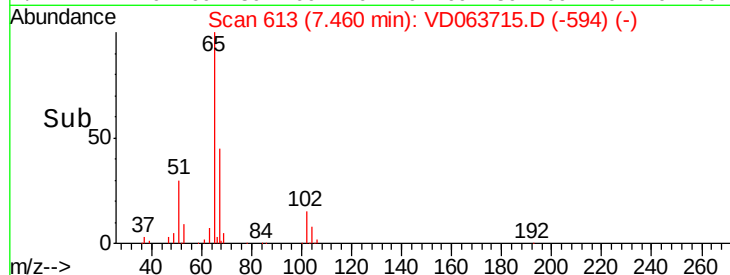
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. -0.01 min

Lab File: VD063715.D

Acq: 21 Aug 2019 16:15

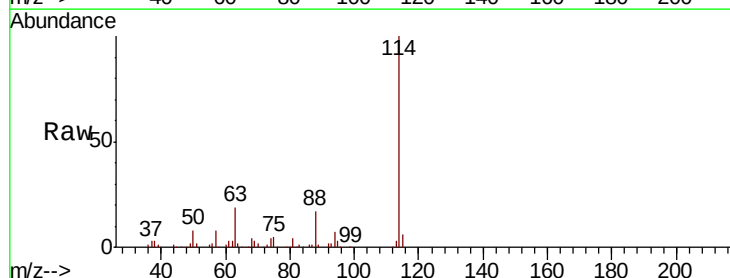
Tgt Ion: 114 Resp: 1160660

Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.2

88 16.8 0.0 35.0



Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

600000

500000

400000

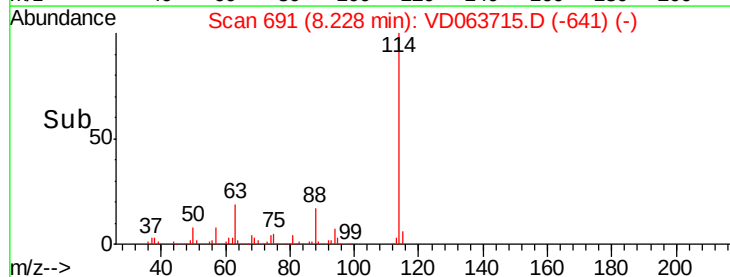
300000

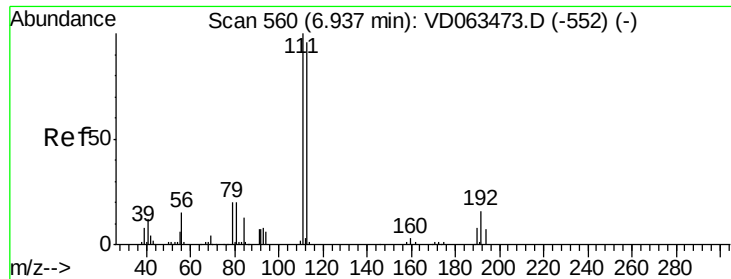
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 54.420 ug/l

RT: 6.93 min Scan# 559

Delta R.T. -0.01 min

Lab File: VD063715.D

Acq: 21 Aug 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

T6-A2-(2)

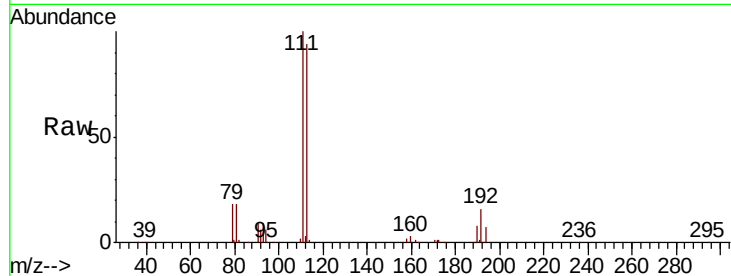
Tgt Ion:113 Resp: 531961

Ion Ratio Lower Upper

113 100

111 106.6 83.1 124.7

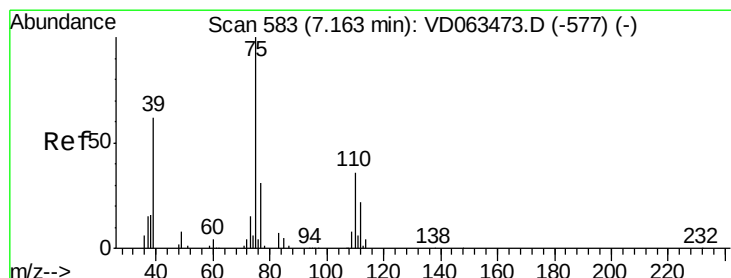
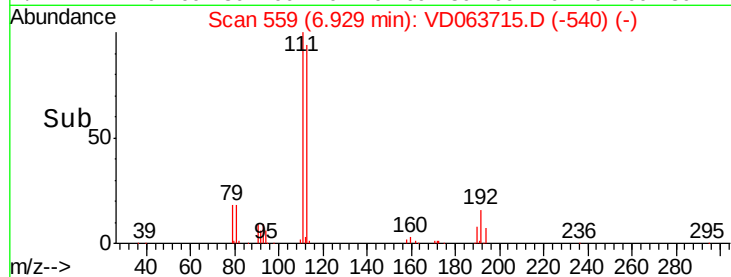
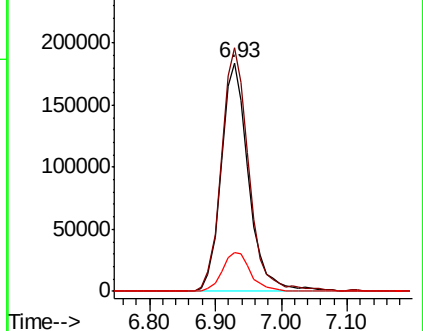
192 16.9 13.1 19.7



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: 6.425 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.12 min

Lab File: VD063715.D

Acq: 21 Aug 2019 16:15

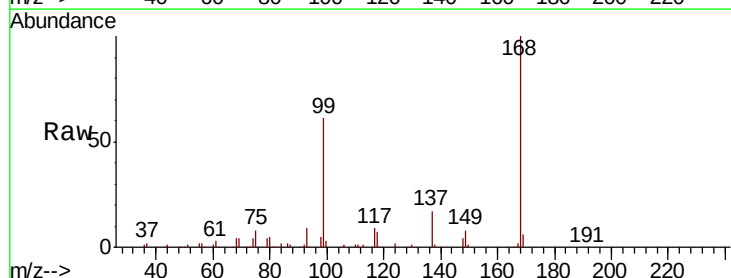
Tgt Ion: 75 Resp: 65923

Ion Ratio Lower Upper

75 100

110 6.3 17.6 52.8#

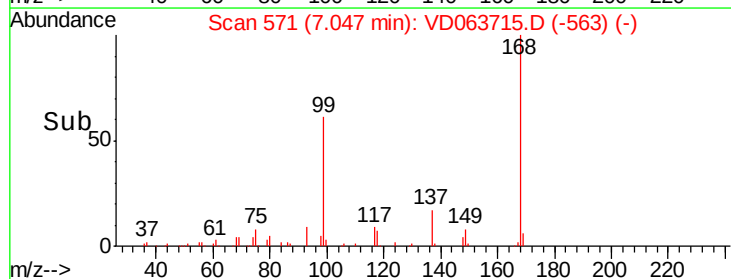
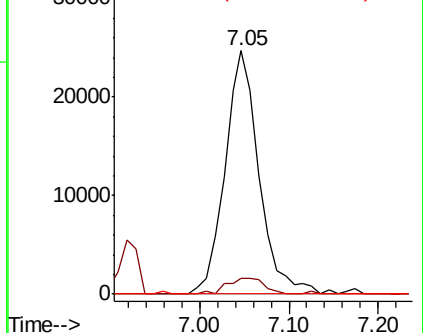
77 0.0 24.3 36.5#

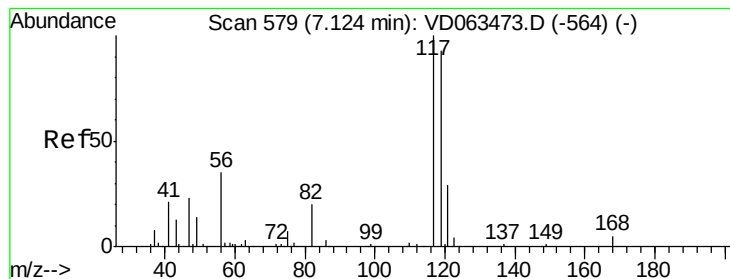


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V





#38

Carbon Tetrachloride

Concen: 5.088 ug/l

RT: 7.05 min Scan# 571

Delta R.T. -0.08 min

Lab File: VD063715.D

Acq: 21 Aug 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

T6-A2-(2)

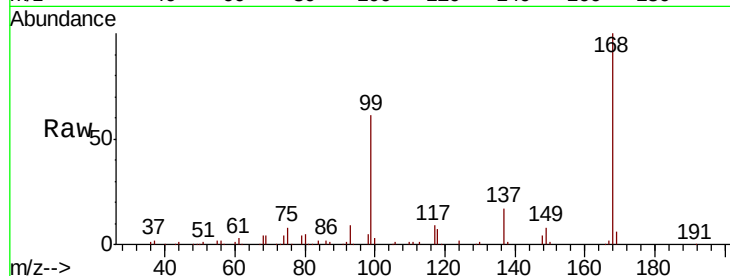
Tgt Ion:117 Resp: 78673

Ion Ratio Lower Upper

117 100

119 4.5 74.2 111.2#

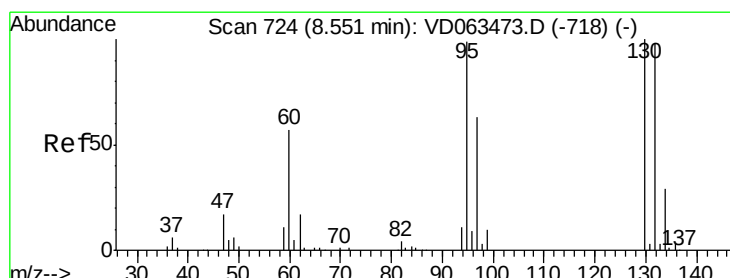
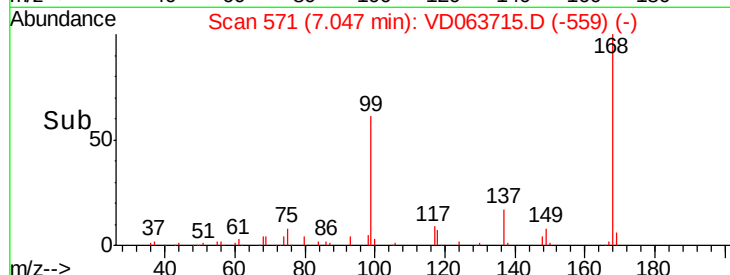
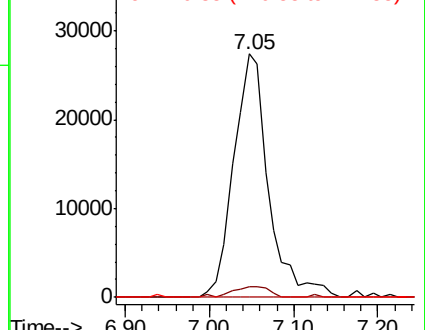
121 0.0 23.1 34.7#



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



#44

Trichloroethene

Concen: 2.867 ug/l

RT: 8.54 min Scan# 723

Delta R.T. -0.01 min

Lab File: VD063715.D

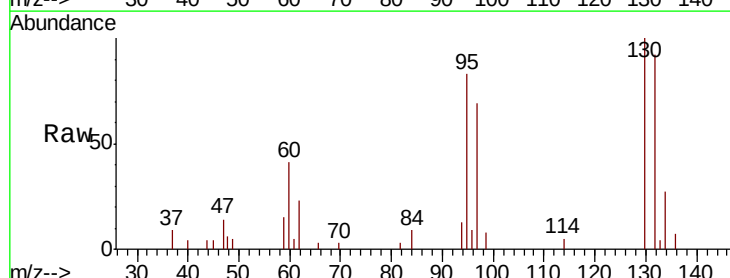
Acq: 21 Aug 2019 16:15

Tgt Ion:130 Resp: 24747

Ion Ratio Lower Upper

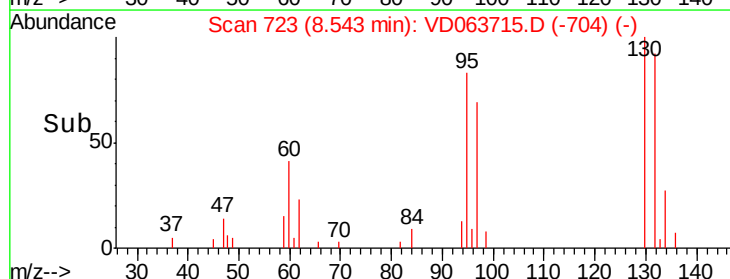
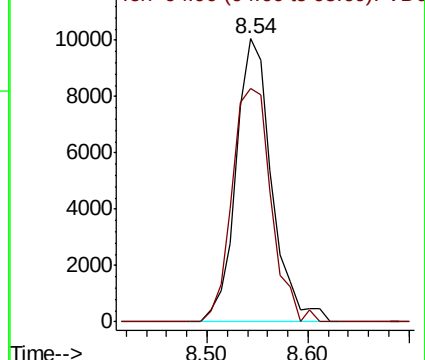
130 100

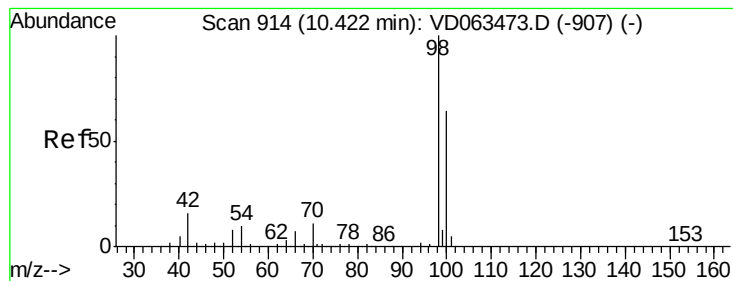
95 82.5 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 46.478 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063715.D

Acq: 21 Aug 2019 16:15

Instrument :

MSVOA_D

ClientSampleId :

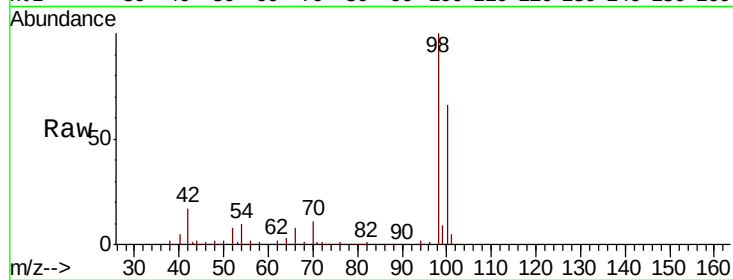
T6-A2-(2)

Tgt Ion: 98 Resp: 998864

Ion Ratio Lower Upper

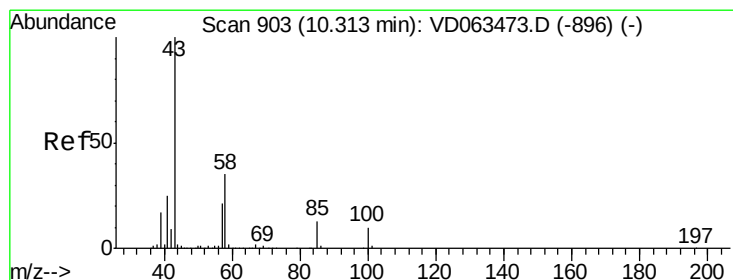
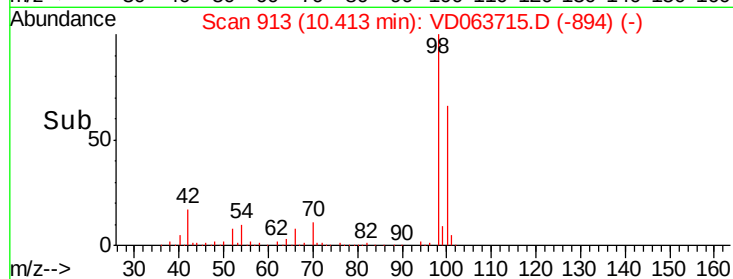
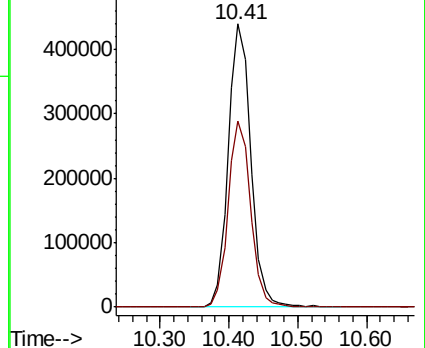
98 100

100 65.8 51.7 77.5



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: 1.527 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.09 min

Lab File: VD063715.D

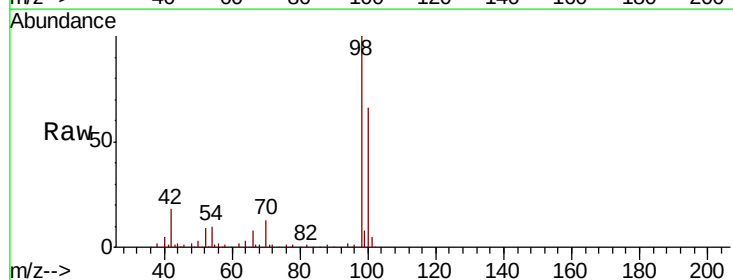
Acq: 21 Aug 2019 16:15

Tgt Ion: 43 Resp: 6015

Ion Ratio Lower Upper

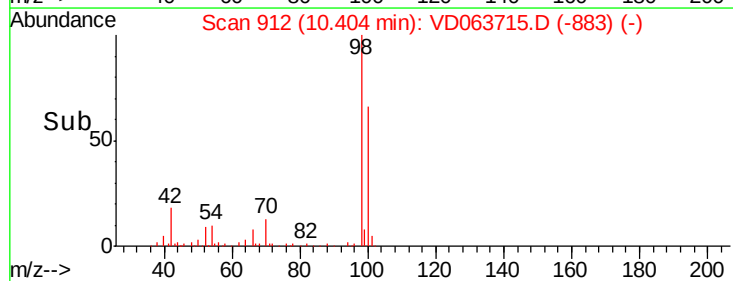
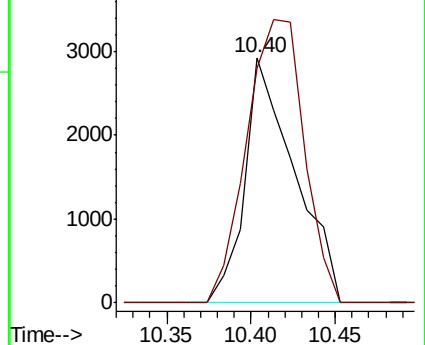
43 100

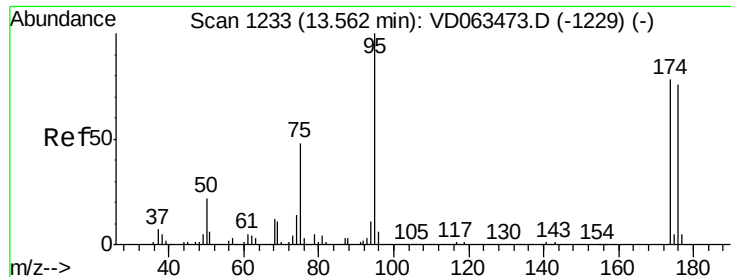
58 96.0 28.0 42.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

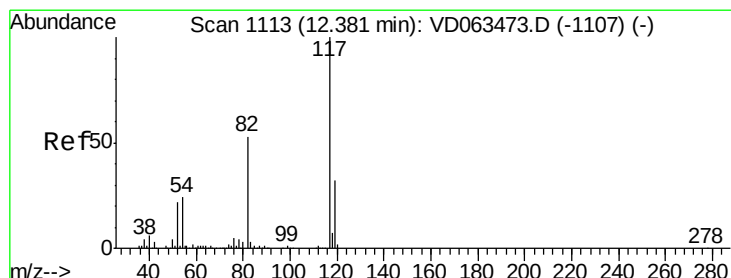
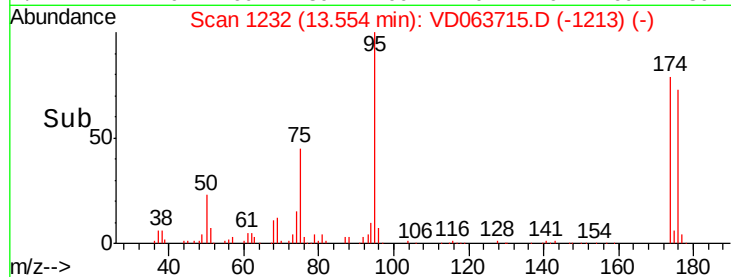
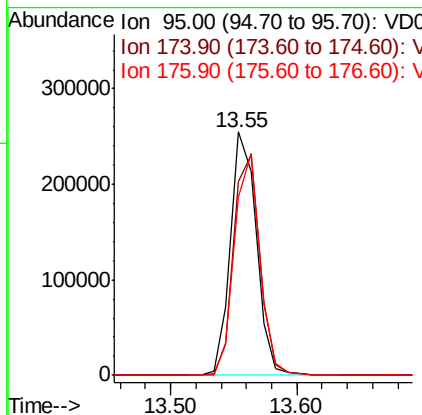
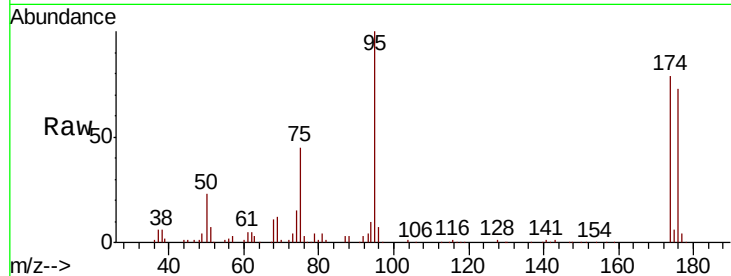




#62
4-Bromofluorobenzene
Concen: 37.116 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063715.D
Acq: 21 Aug 2019 16:15

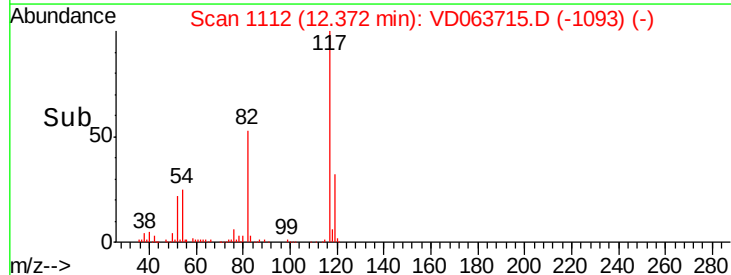
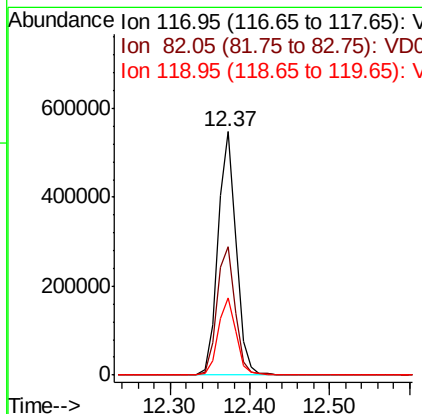
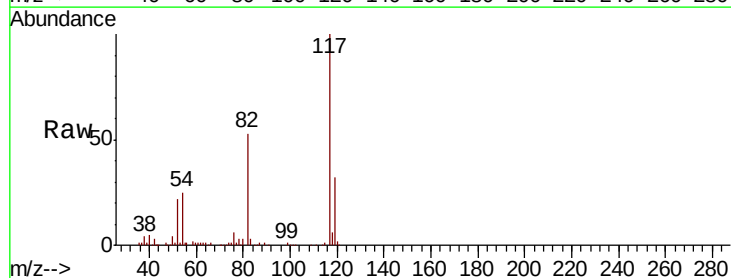
Instrument :
MSVOA_D
ClientSampleId :
T6-A2-(2)

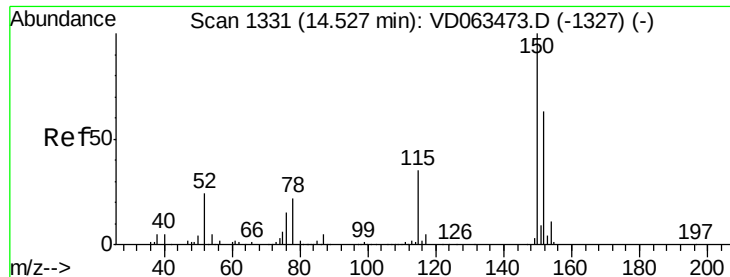
Tgt Ion: 95 Resp: 361534
Ion Ratio Lower Upper
95 100
174 79.4 0.0 155.4
176 73.3 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.01 min
Lab File: VD063715.D
Acq: 21 Aug 2019 16:15

Tgt Ion: 117 Resp: 881563
Ion Ratio Lower Upper
117 100
82 52.7 42.0 63.0
119 31.9 25.4 38.0

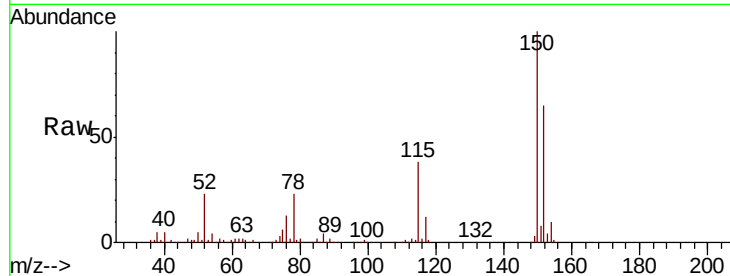




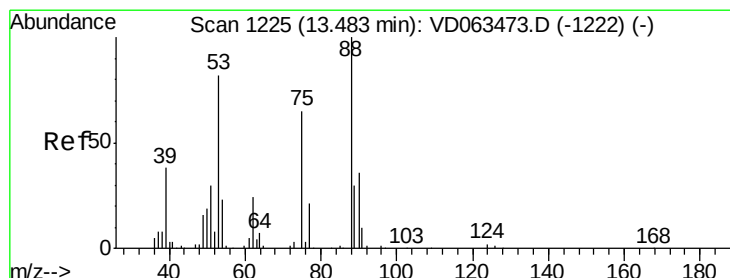
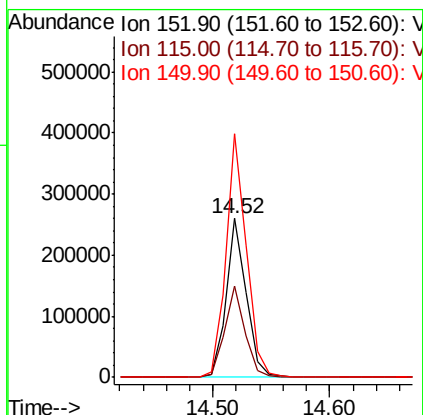
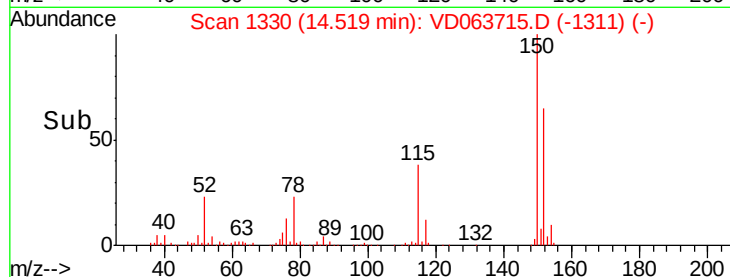
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD063715.D
 Acq: 21 Aug 2019 16:15

Instrument :
 MSVOA_D
 ClientSampleId :
 T6-A2-(2)

Tgt Ion:152 Resp: 309482
 Ion Ratio Lower Upper
 152 100
 115 57.7 30.9 92.7
 150 153.3 0.0 318.6

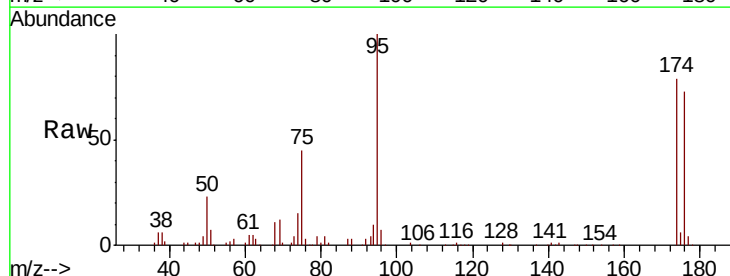


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V



#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.899 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.07 min
 Lab File: VD063715.D
 Acq: 21 Aug 2019 16:15

Tgt Ion: 75 Resp: 164101
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.0 151.4#
 89 0.0 37.0 55.6#



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

