

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
 Data File : VD06345.D
 Acq On : 3 Aug 2019 5:59
 Operator : VA/AP
 Sample : K4129-06
 Misc : 5.59g/5ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 04 03:45:30 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	7.04	168	940676	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1174842	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	964829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	361030	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	462553	44.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	88.64%	
35) Dibromofluoromethane	6.92	113	489463	48.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.60%	
50) Toluene-d8	10.40	98	954456	42.52	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.04%	
62) 4-Bromofluorobenzene	13.55	95	367676	35.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	71.88%	

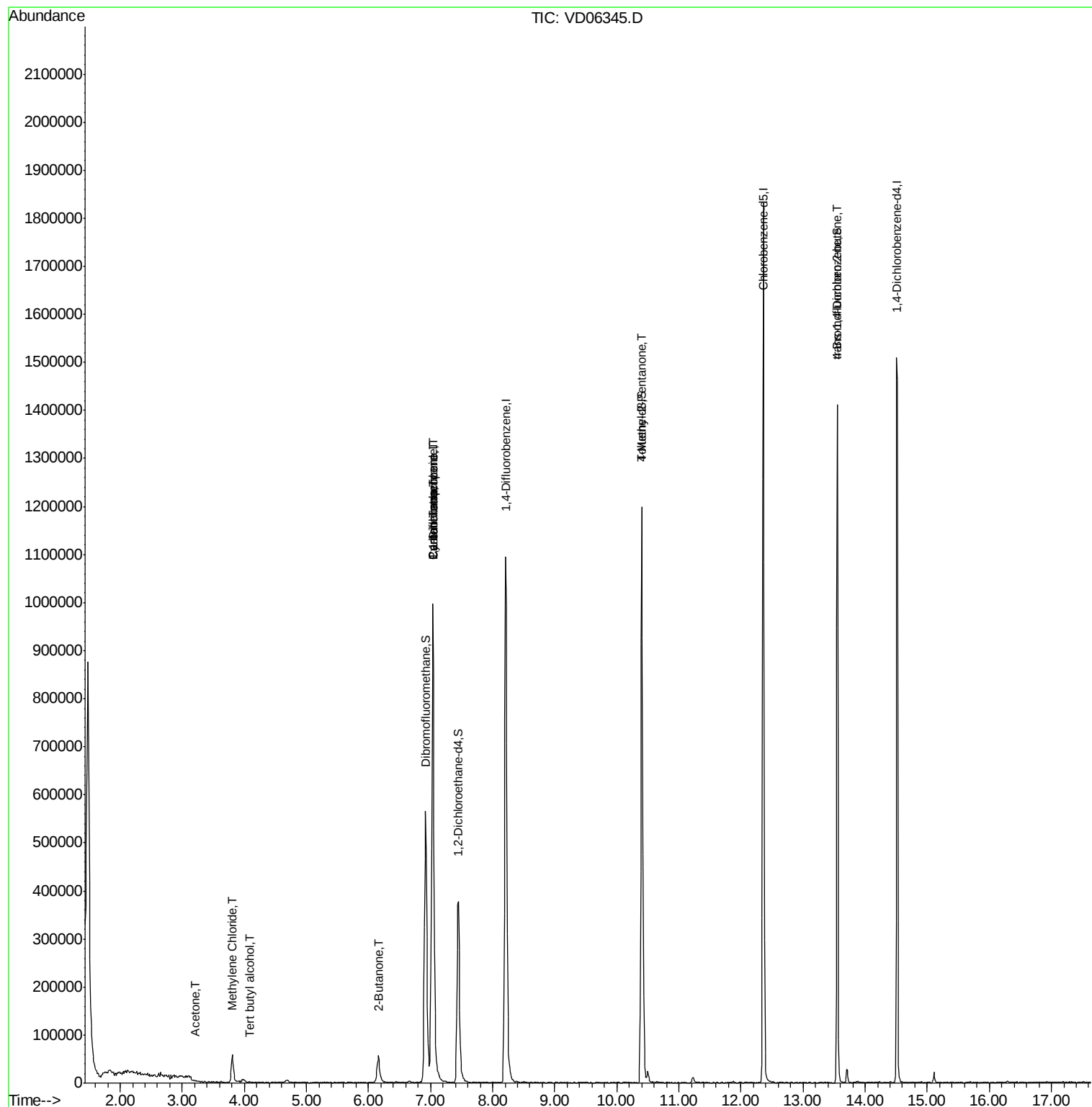
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.07	59	963	2.102	ug/l #	69
16) Acetone	3.22	43	3772	1.855	ug/l #	62
20) Methylene Chloride	3.81	84	31038	3.776	ug/l #	86
25) 2-Butanone	6.15	43	3204	1.570	ug/l #	56
31) Cyclohexane	7.04	56	19739	2.123	ug/l #	25
36) 1,1-Dichloropropene	7.04	75	71830	6.699	ug/l #	56
38) Carbon Tetrachloride	7.03	117	93514	5.793	ug/l #	16
51) 4-Methyl-2-Pentanone	10.40	43	6898	1.648	ug/l #	1
81) trans-1,4-Dichloro-2-buten	13.55	75	175465	145.718	ug/l #	3

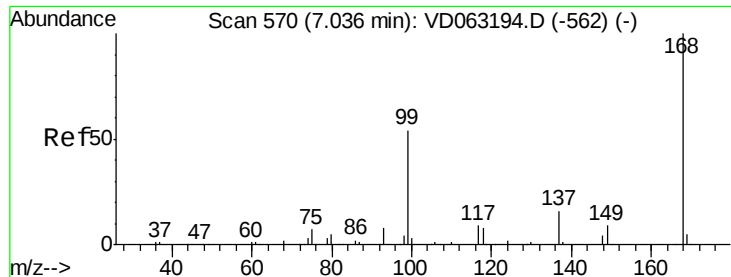
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD080219\
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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
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: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD06345.D

Acq: 3 Aug 2019 5:59

Instrument :

MSVOA_D

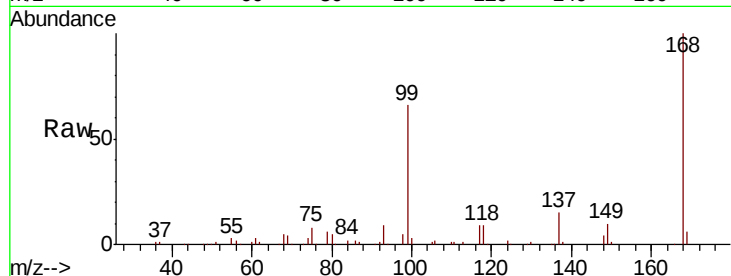
ClientSampleId :

Tgt Ion:168 Resp: 940676

Ion Ratio Lower Upper

168 100

99 65.6 43.7 65.5#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

300000

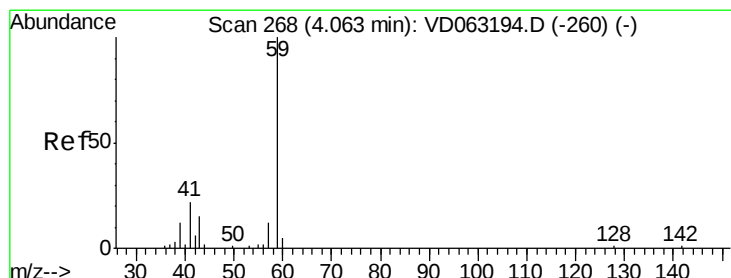
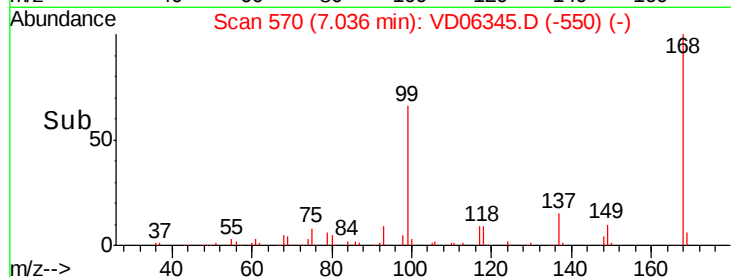
200000

100000

0

Time-->

6.90 7.00 7.10 7.20



#11

Tert butyl alcohol

Concen: 2.102 ug/l

RT: 4.07 min Scan# 269

Delta R.T. 0.01 min

Lab File: VD06345.D

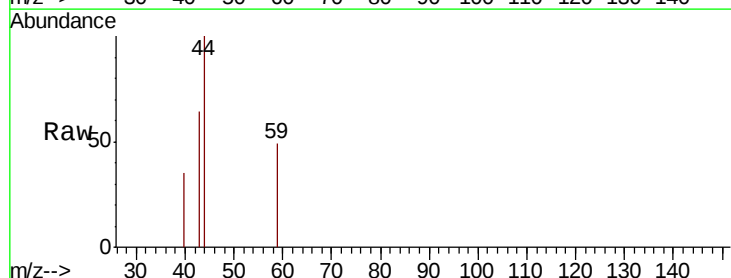
Acq: 3 Aug 2019 5:59

Tgt Ion: 59 Resp: 963

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

1500

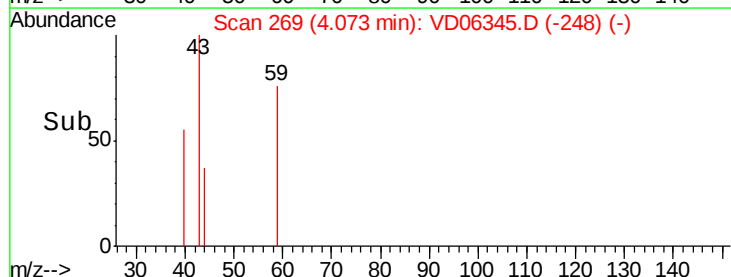
1000

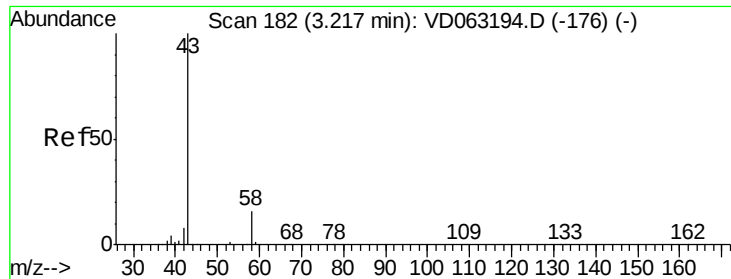
500

0

Time-->

4.02 4.04 4.06 4.08 4.10





#16

Acetone

Concen: 1.855 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD06345.D

Acq: 3 Aug 2019 5:59

Instrument :

MSVOA_D

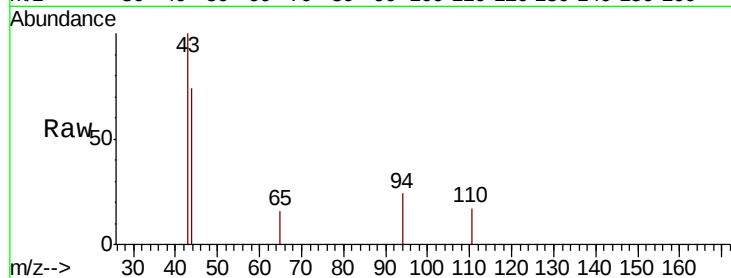
ClientSampleId :

Tgt Ion: 43 Resp: 3772

Ion Ratio Lower Upper

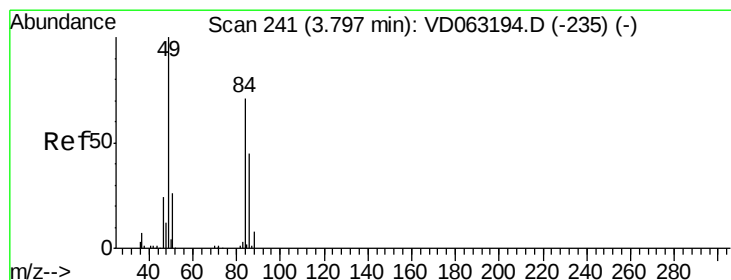
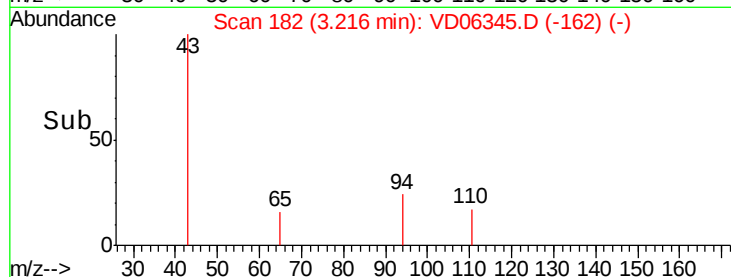
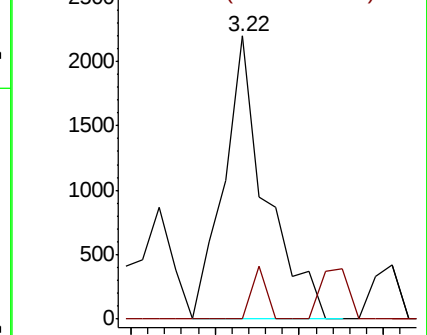
43 100

58 0.0 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: 3.776 ug/l

RT: 3.81 min Scan# 242

Delta R.T. 0.01 min

Lab File: VD06345.D

Acq: 3 Aug 2019 5:59

Tgt Ion: 84 Resp: 31038

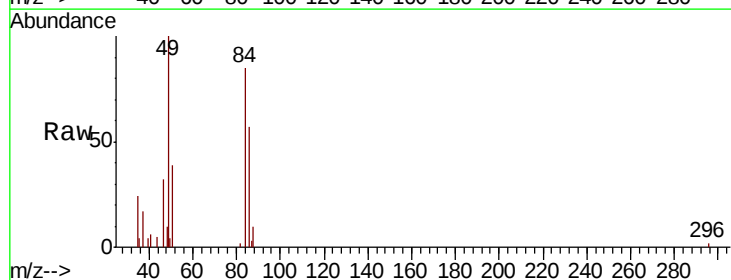
Ion Ratio Lower Upper

84 100

49 118.0 112.5 168.7

51 46.2 29.6 44.4#

86 66.8 50.4 75.6

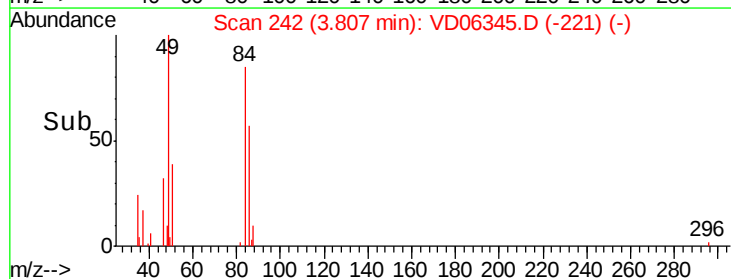
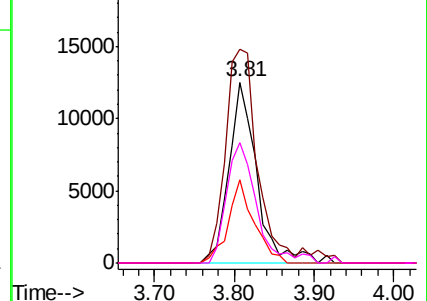


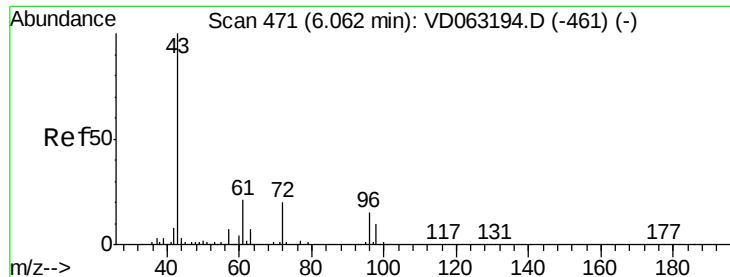
Abundance Ion 83.95 (83.65 to 84.65): VDC

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: 1.570 ug/l

RT: 6.15 min Scan# 480

Delta R.T. 0.09 min

Lab File: VD06345.D

Acq: 3 Aug 2019 5:59

Instrument :

MSVOA_D

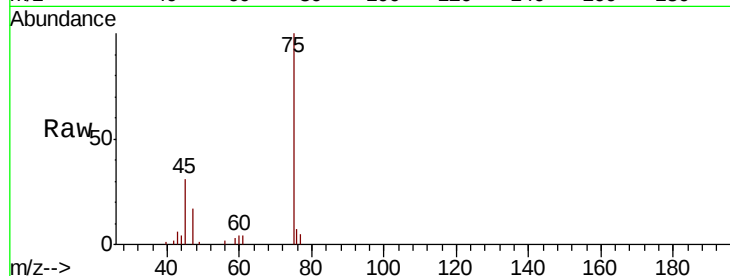
ClientSampleId :

Tgt Ion: 43 Resp: 3204

Ion Ratio Lower Upper

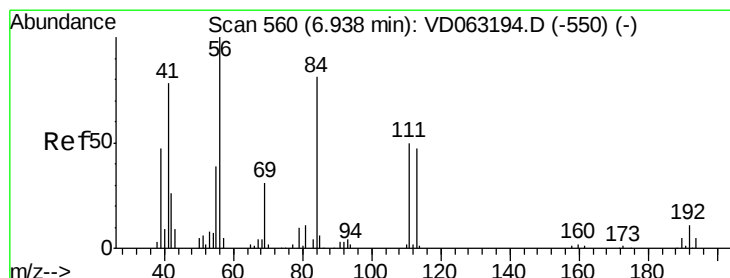
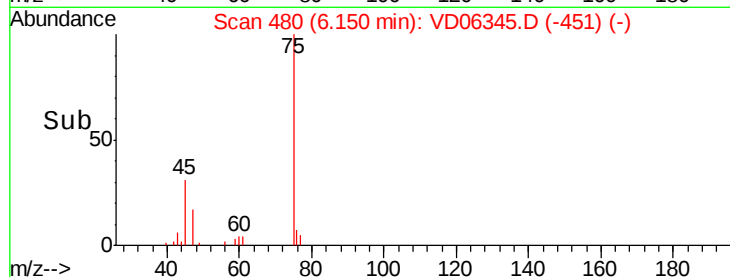
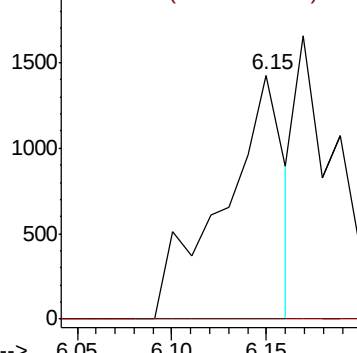
43 100

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



#31

Cyclohexane

Concen: 2.123 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.10 min

Lab File: VD06345.D

Acq: 3 Aug 2019 5:59

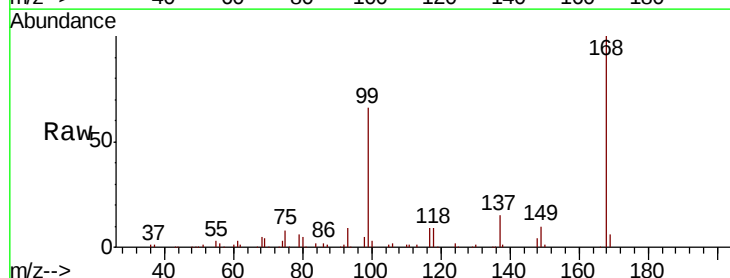
Tgt Ion: 56 Resp: 19739

Ion Ratio Lower Upper

56 100

69 162.5 24.5 36.7#

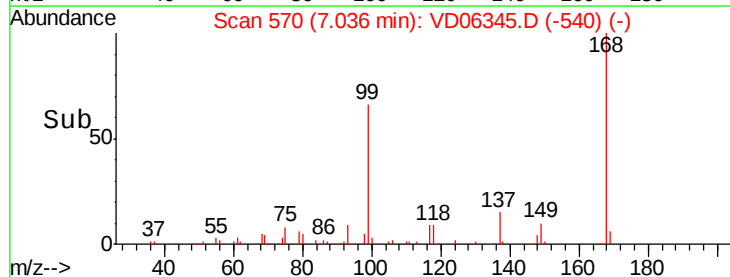
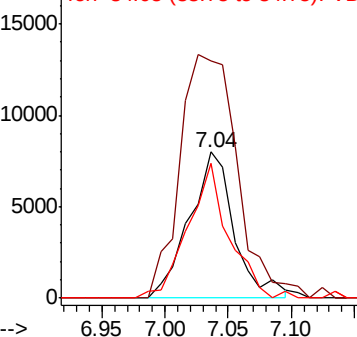
84 92.2 64.9 97.3

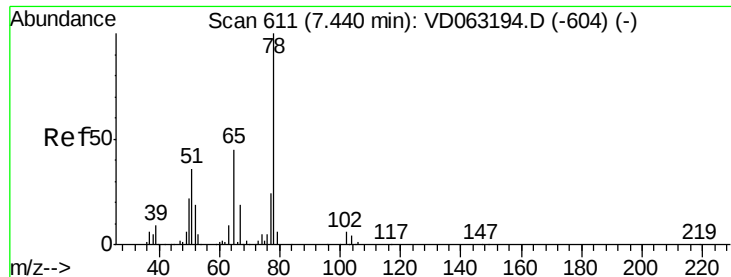


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC

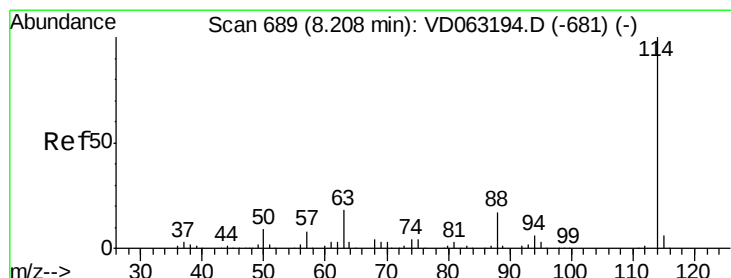
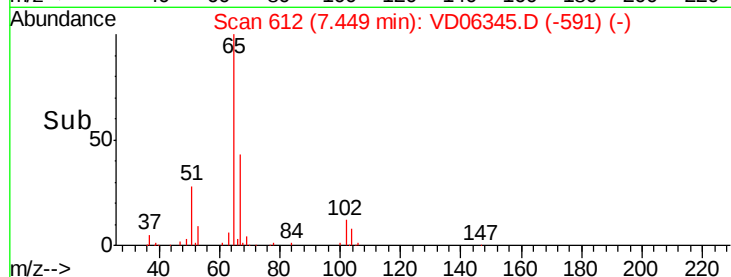
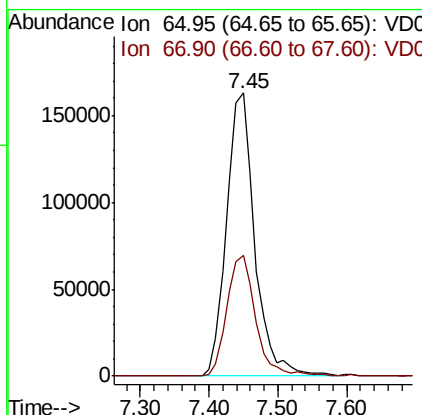
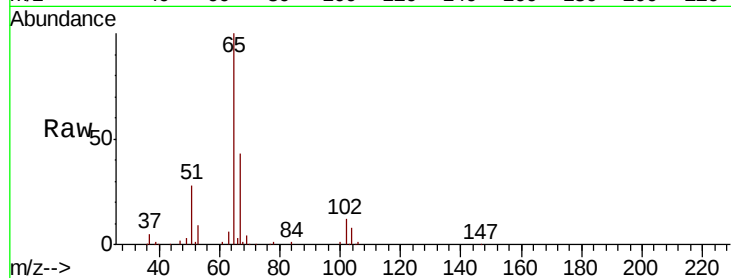




#33
 1,2-Dichloroethane-d4
 Concen: 44.316 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD06345.D
 Acq: 3 Aug 2019 5:59

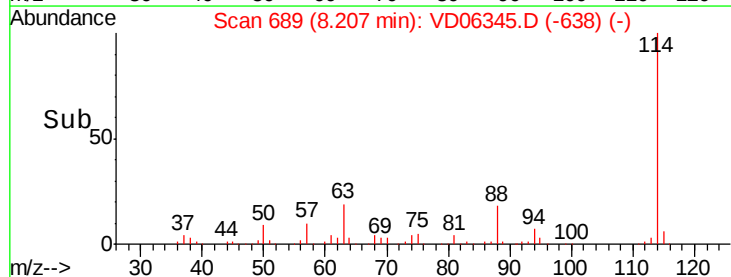
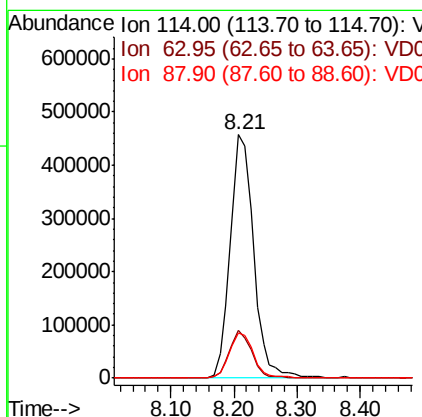
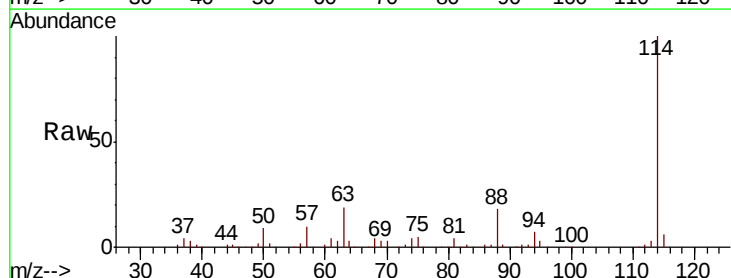
Instrument :
 MSVOA_D
 ClientSampleId :

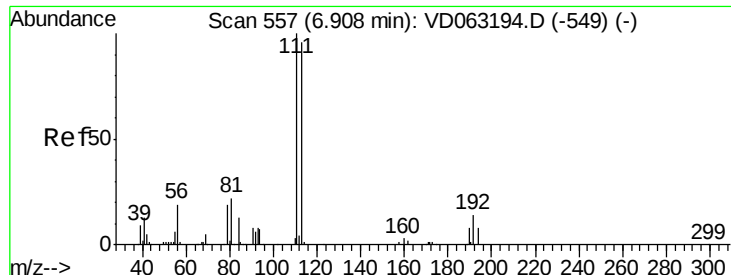
Tgt Ion: 65 Resp: 462553
 Ion Ratio Lower Upper
 65 100
 67 42.9 0.0 85.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD06345.D
 Acq: 3 Aug 2019 5:59

Tgt Ion: 114 Resp: 1174842
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 35.2
 88 18.5 0.0 34.6

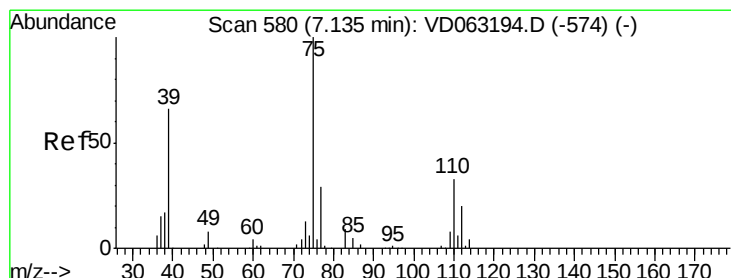
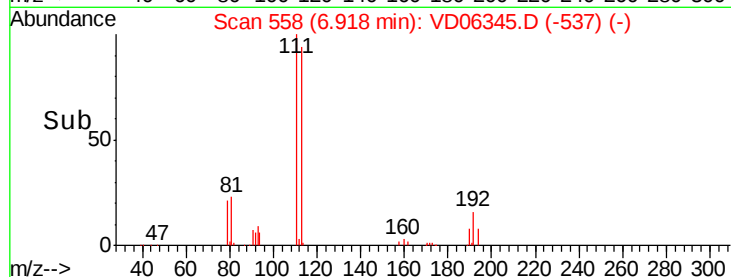
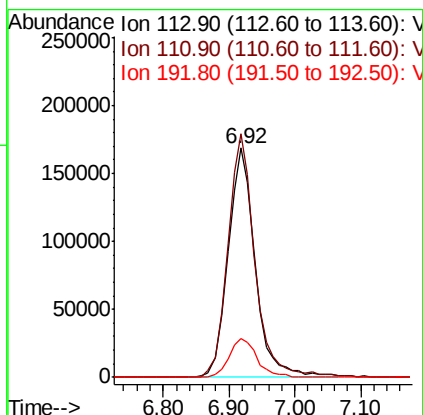
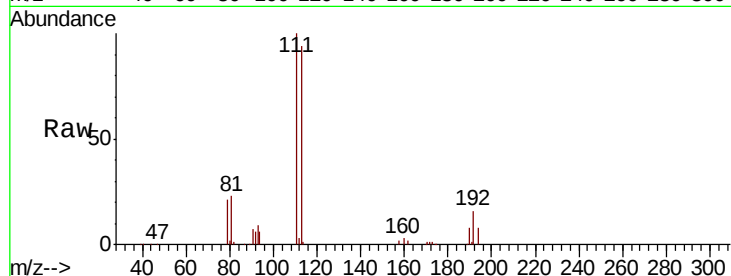




#35
 Dibromofluoromethane
 Concen: 48.797 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD06345.D
 Acq: 3 Aug 2019 5:59

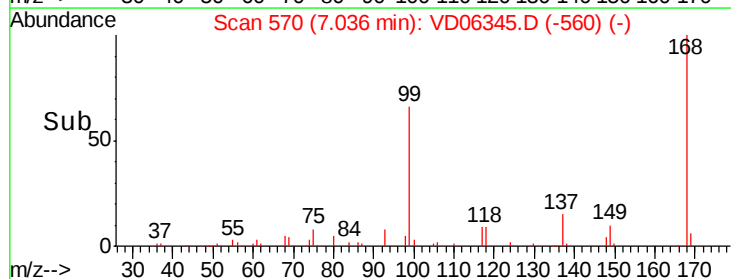
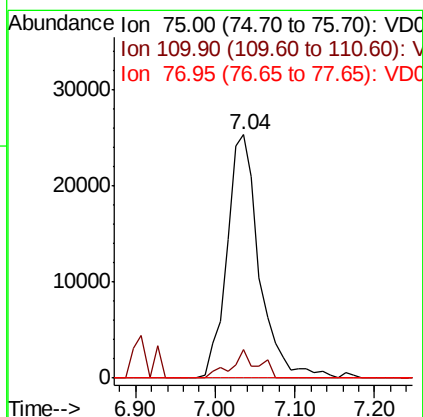
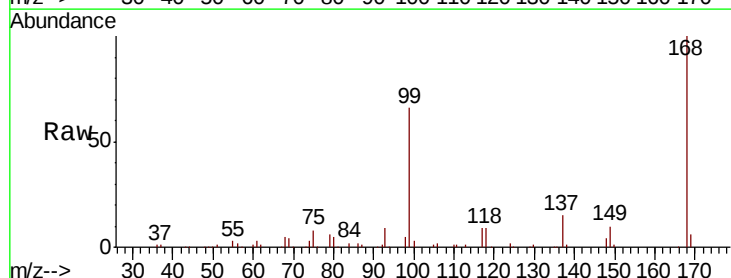
Instrument :
 MSVOA_D
 ClientSampleId :

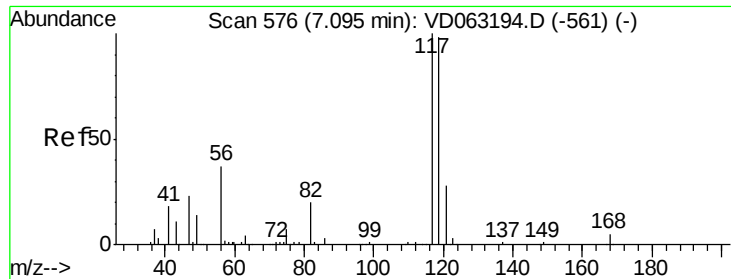
Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.2	83.2	124.8
192	16.9	11.8	17.8



#36
 1,1-Dichloropropene
 Concen: 6.699 ug/l
 RT: 7.04 min Scan# 570
 Delta R.T. -0.10 min
 Lab File: VD06345.D
 Acq: 3 Aug 2019 5:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.9	16.1	48.2#
77	0.0	22.7	34.1#

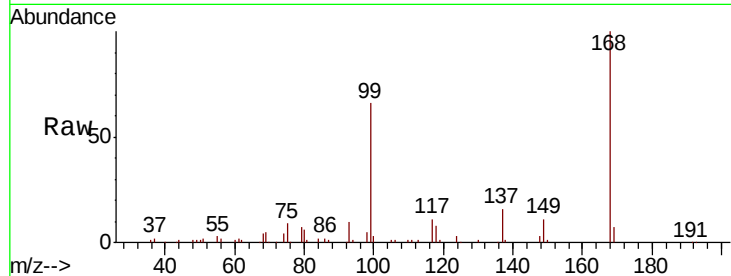




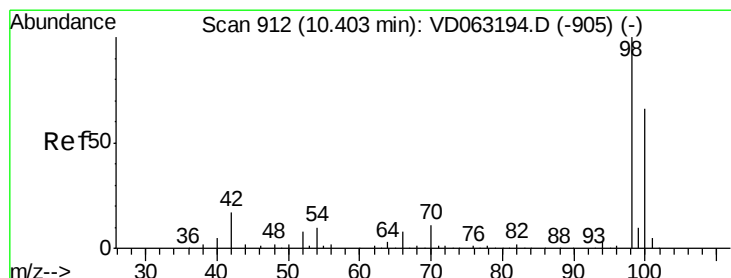
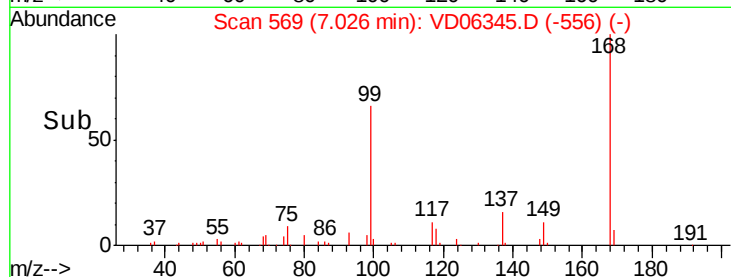
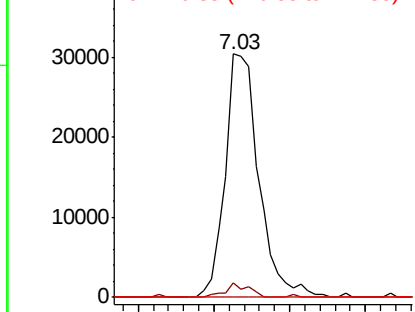
#38
Carbon Tetrachloride
Concen: 5.793 ug/l
RT: 7.03 min Scan# 569
Delta R.T. -0.07 min
Lab File: VD06345.D
Acq: 3 Aug 2019 5:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 93514
Ion Ratio Lower Upper
117 100
119 5.9 78.2 117.2#
121 0.0 22.1 33.1#

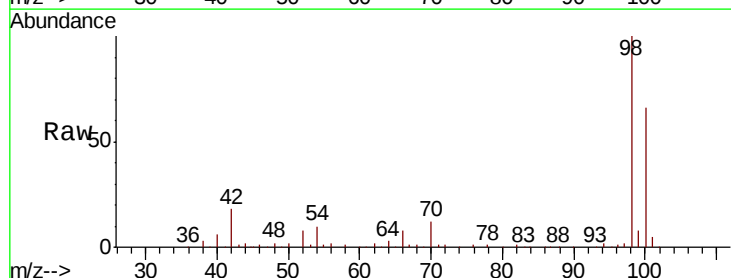


Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V

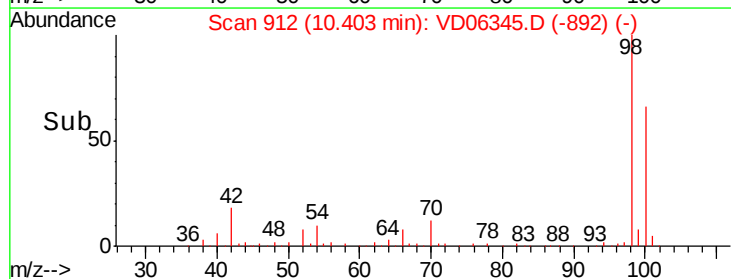
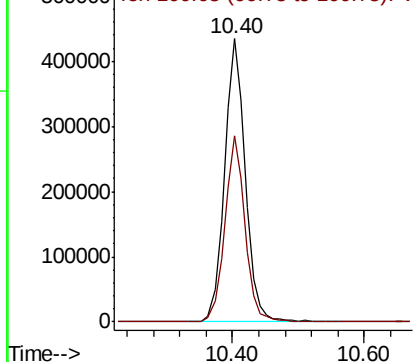


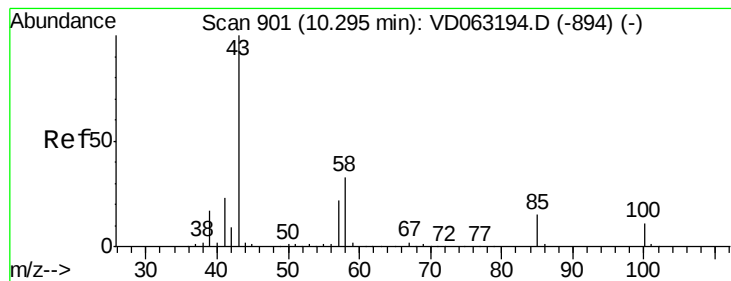
#50
Toluene-d8
Concen: 42.518 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD06345.D
Acq: 3 Aug 2019 5:59

Tgt Ion: 98 Resp: 954456
Ion Ratio Lower Upper
98 100
100 65.8 53.2 79.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.648 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.11 min

Lab File: VD06345.D

Acq: 3 Aug 2019 5:59

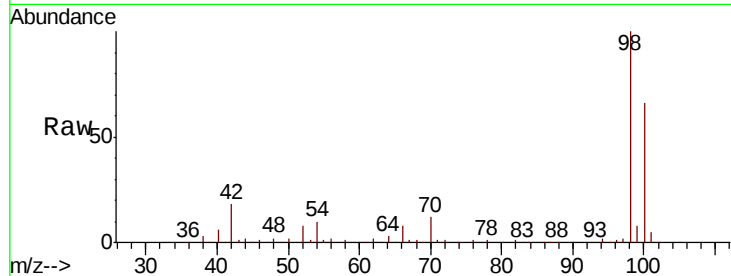
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 6898

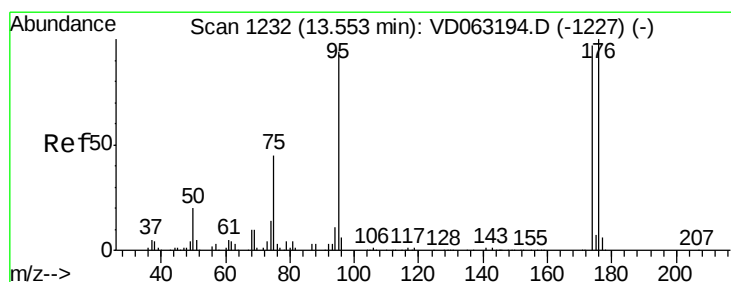
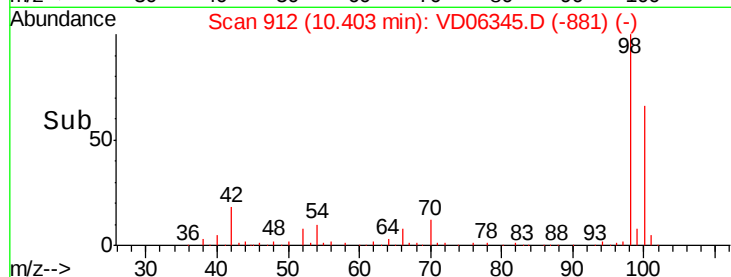
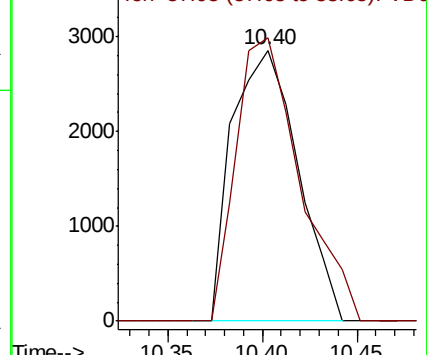
Ion Ratio Lower Upper

43 100

58 104.6 26.2 39.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC



#62

4-Bromofluorobenzene

Concen: 35.942 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD06345.D

Acq: 3 Aug 2019 5:59

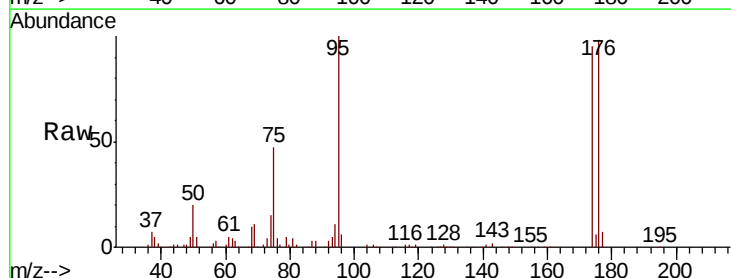
Tgt Ion: 95 Resp: 367676

Ion Ratio Lower Upper

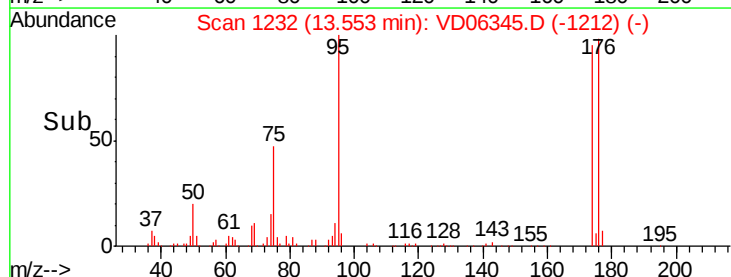
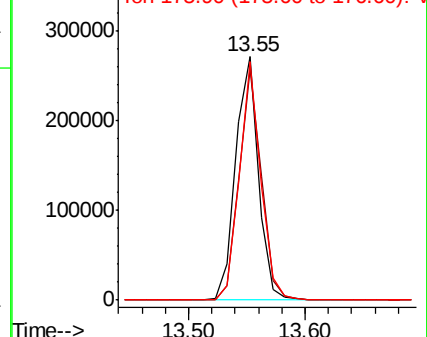
95 100

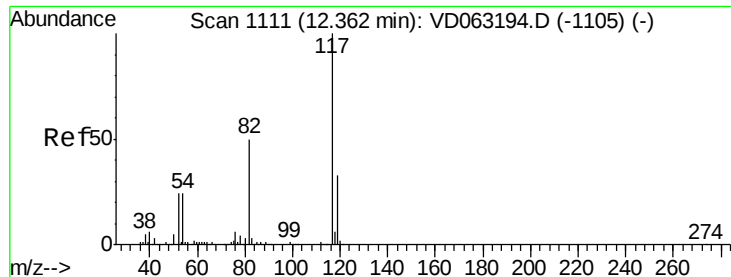
174 95.0 0.0 205.4

176 97.7 0.0 211.8



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

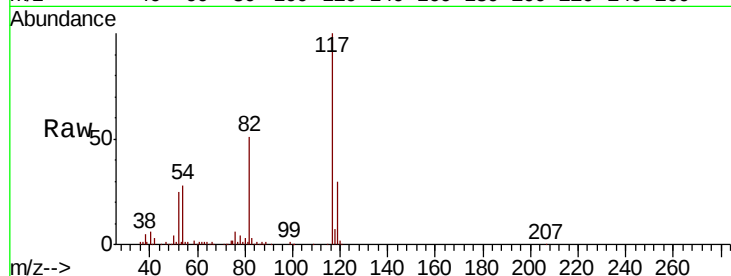




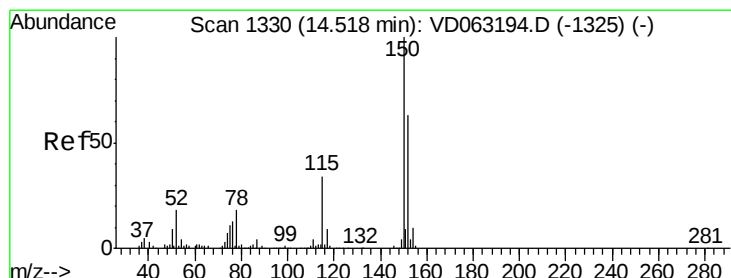
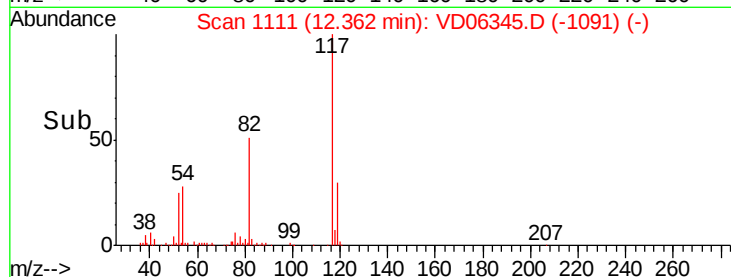
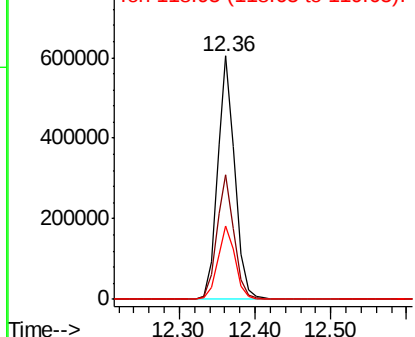
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD06345.D
Acq: 3 Aug 2019 5:59

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:117 Resp: 964829
Ion Ratio Lower Upper
117 100
82 51.4 40.1 60.1
119 30.4 26.5 39.7

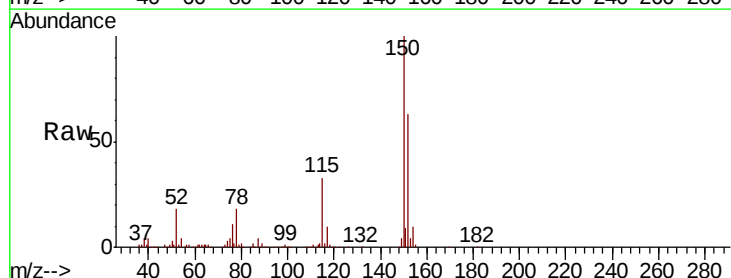


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

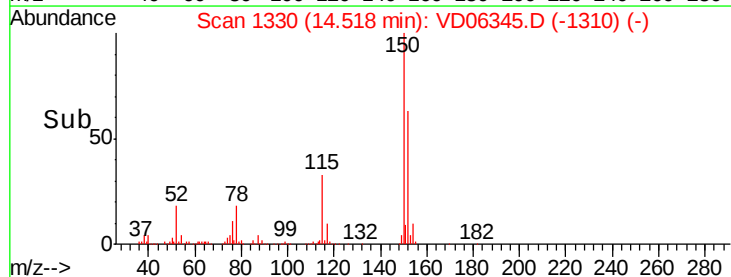
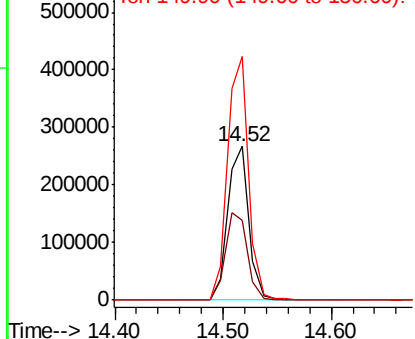


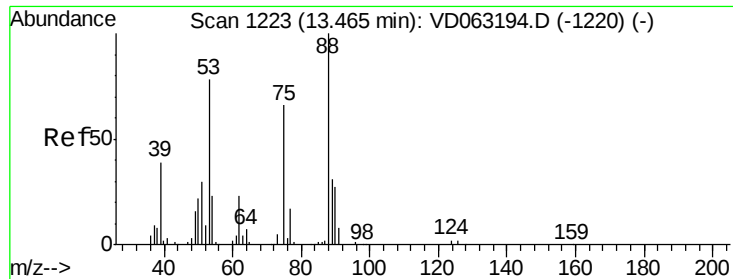
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD06345.D
Acq: 3 Aug 2019 5:59

Tgt Ion:152 Resp: 361030
Ion Ratio Lower Upper
152 100
115 51.7 27.5 82.4
150 158.6 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: 145.718 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.09 min

Lab File: VD06345.D

Acq: 3 Aug 2019 5:59

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 75 Resp: 175465

Ion Ratio Lower Upper

75 100

53 0.0 94.9 142.3#

89 0.0 37.4 56.0#

