

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064068.D
 Acq On : 25 Oct 2019 16:33
 Operator : VA/SY
 Sample : K5541-04
 Misc : 6.68G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 26 00:05:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	156747	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	271133	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	289425	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	132283	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	83011	54.40	ug/l	0.00
Spiked Amount			Recovery	=	108.80%	
35) Dibromofluoromethane	7.92	113	84844	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	
50) Toluene-d8	10.34	98	372248	55.35	ug/l	0.00
Spiked Amount			Recovery	=	110.70%	
62) 4-Bromofluorobenzene	12.64	95	109207	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

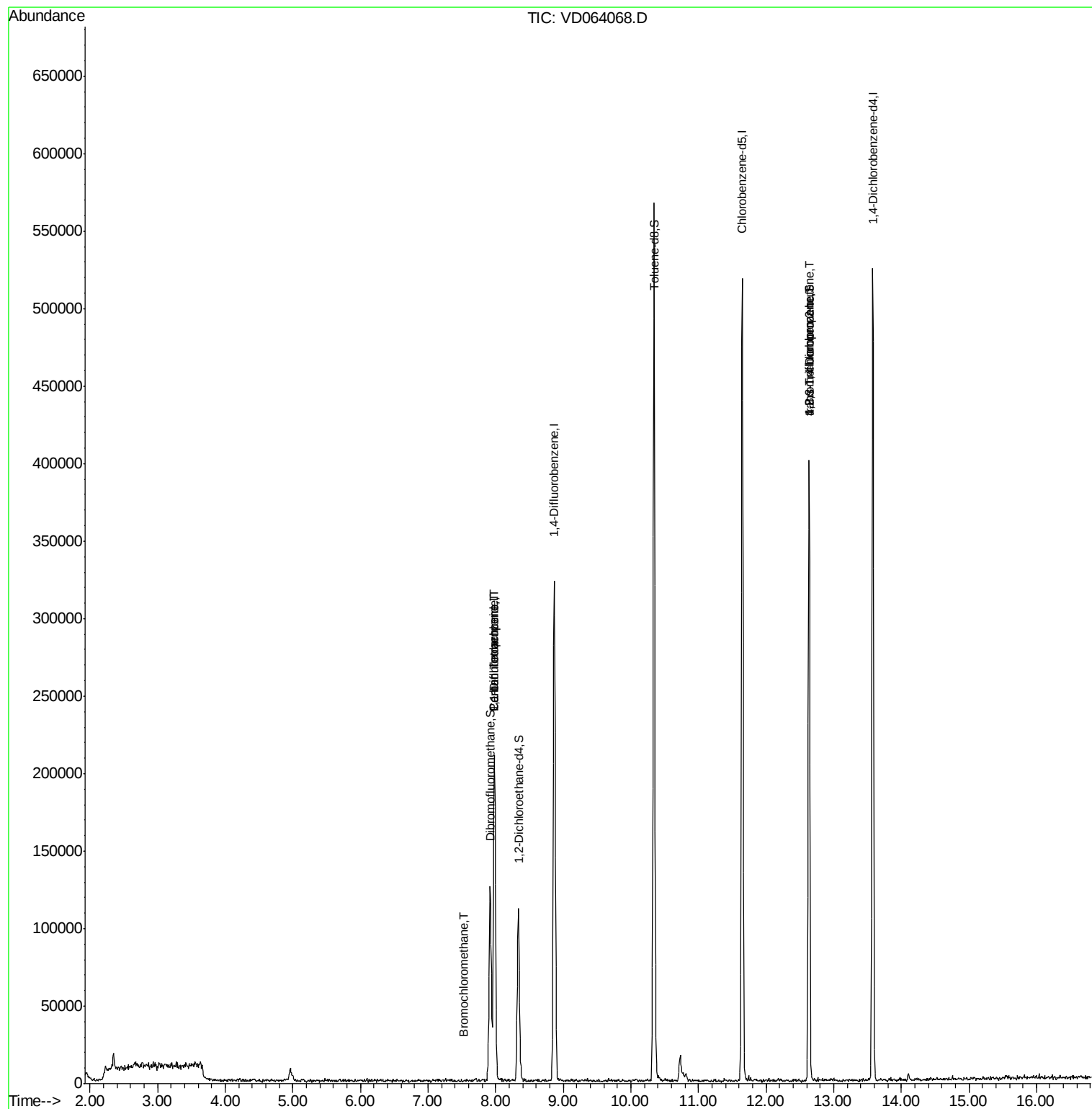
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.21	50	422	Below Cal	#	40
11) Tert butyl alcohol	5.21	59	87	Below Cal	#	1
20) Methylene Chloride	4.95	84	2392	Below Cal	#	67
28) Bromochloromethane	7.53	49	56	1.916	ug/l #	10
31) Cyclohexane	7.98	56	4212	Below Cal	#	64
36) 1,1-Dichloropropene	7.98	75	13497	5.444	ug/l #	50
37) Ethyl Acetate	7.27	43	174	Below Cal	#	58
38) Carbon Tetrachloride	7.98	117	16106	6.429	ug/l #	19
76) 1,2,3-Trichloropropane	12.64	75	58543	66.076	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	58543	116.928	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.50	75	187	Below Cal	#	1

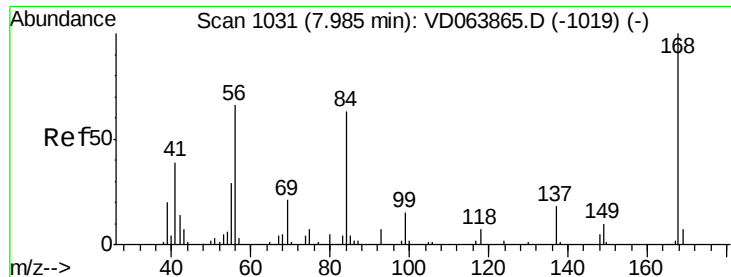
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102519\
Data File : VD064068.D
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
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Quant Time: Oct 26 00:05:36 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064068.D

Acq: 25 Oct 2019 16:33

Instrument :

MSVOA_D

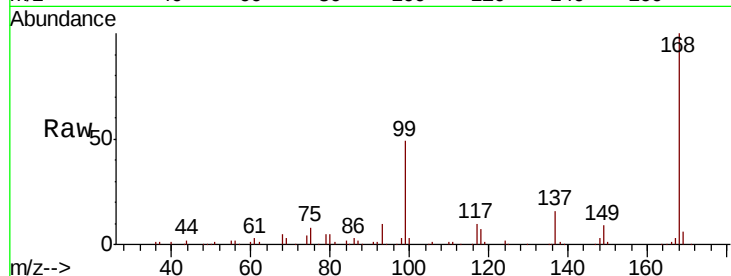
ClientSampleId :

Tot Ion:168 Resp: 156747

Ion Ratio Lower Upper

168 100

99 49.3 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

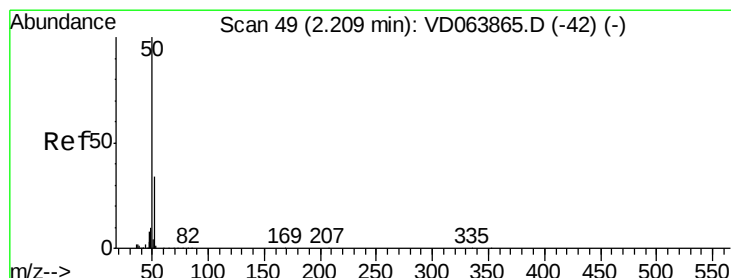
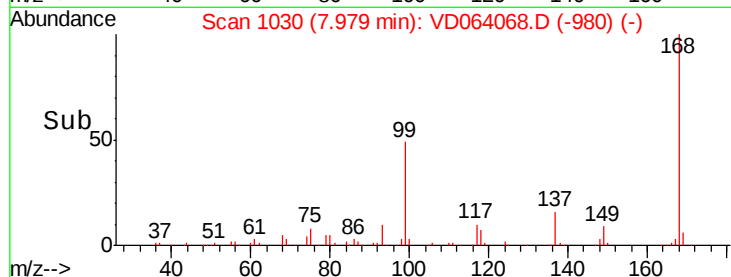
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064068.D

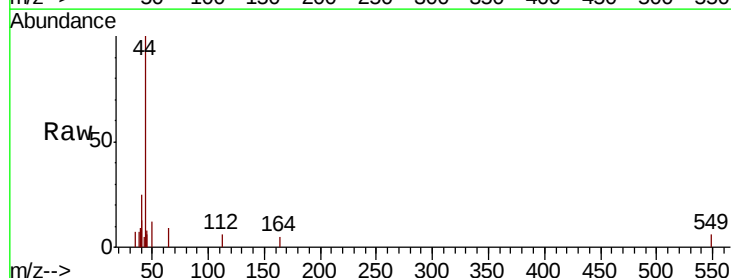
Acq: 25 Oct 2019 16:33

Tgt Ion: 50 Resp: 422

Ion Ratio Lower Upper

50 100

52 0.0 27.5 41.3#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

400

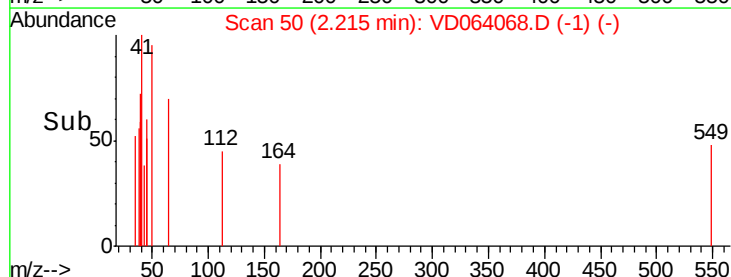
300

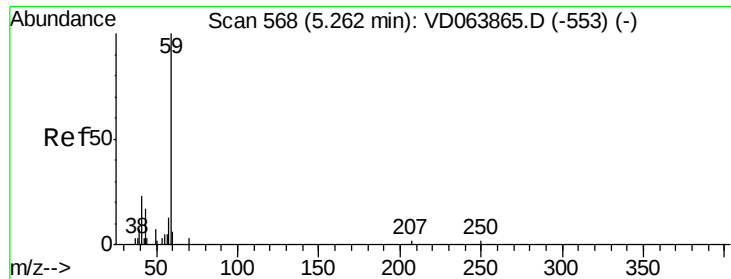
200

100

0

Time-->



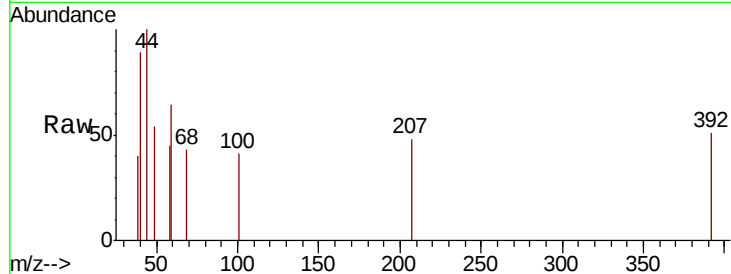


#11

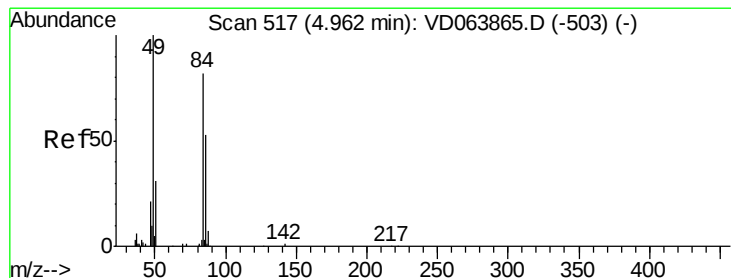
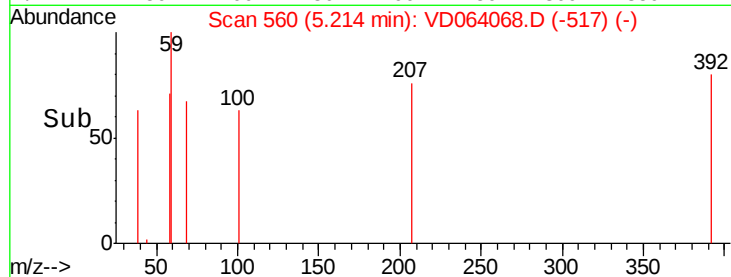
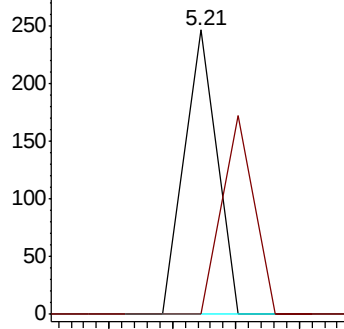
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. -0.05 min
 Lab File: VD064068.D
 Acq: 25 Oct 2019 16:33

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 59 Resp: 87
 Ion Ratio Lower Upper
 59 100
 57 70.1 8.8 13.2#



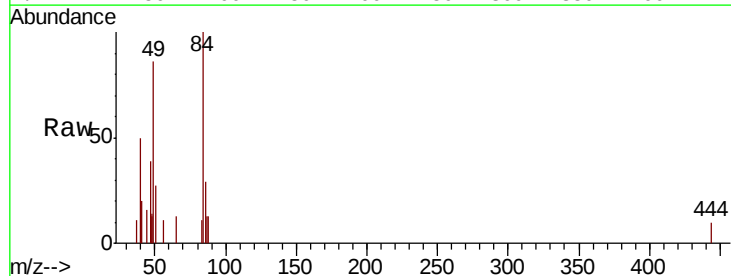
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



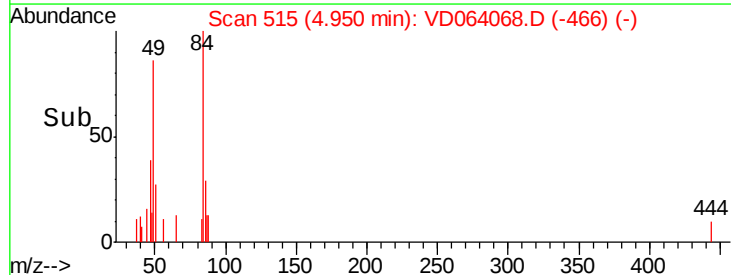
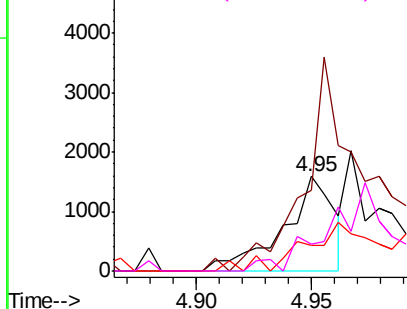
#20

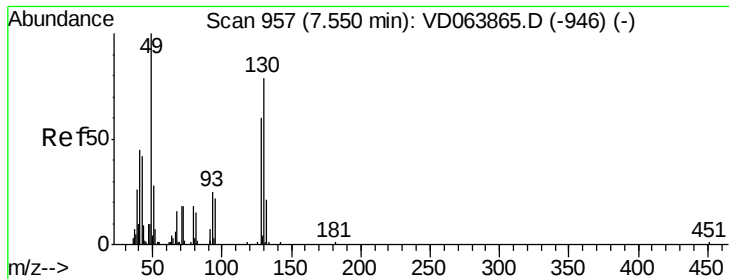
Methylene Chloride
 Concen: Below Cal
 RT: 4.95 min Scan# 515
 Delta R.T. -0.01 min
 Lab File: VD064068.D
 Acq: 25 Oct 2019 16:33

Tgt Ion: 84 Resp: 2392
 Ion Ratio Lower Upper
 84 100
 49 85.8 97.3 145.9#
 51 27.4 30.1 45.1#
 86 28.7 51.4 77.2#



Abundance Ion 83.90 (83.60 to 84.60): 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





#28

Bromochloromethane

Concen: 1.916 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.02 min

Lab File: VD064068.D

Acq: 25 Oct 2019 16:33

Instrument :

MSVOA_D

ClientSampled :

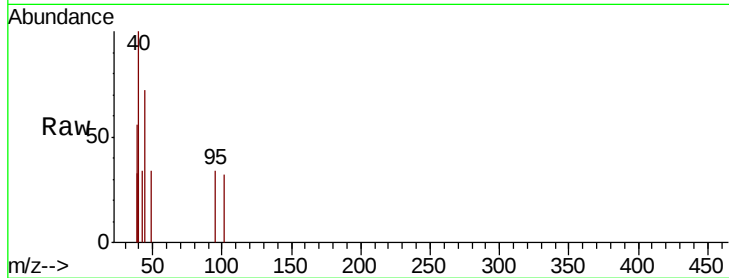
Tot Ion: 49 Resp: 56

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.6

130 0.0 66.8 100.2#

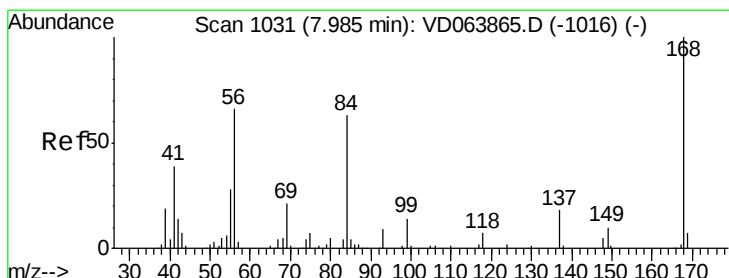
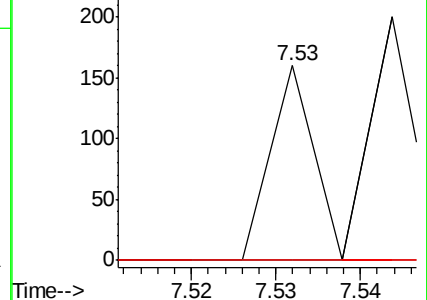
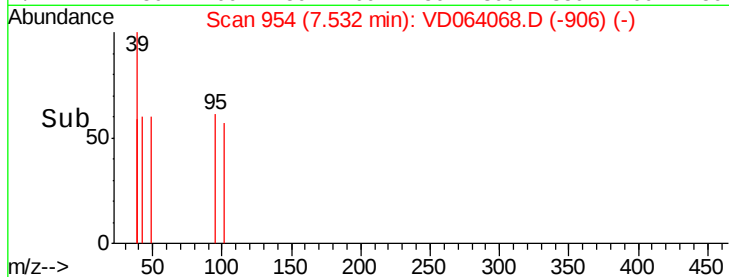


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC

Time-->



#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064068.D

Acq: 25 Oct 2019 16:33

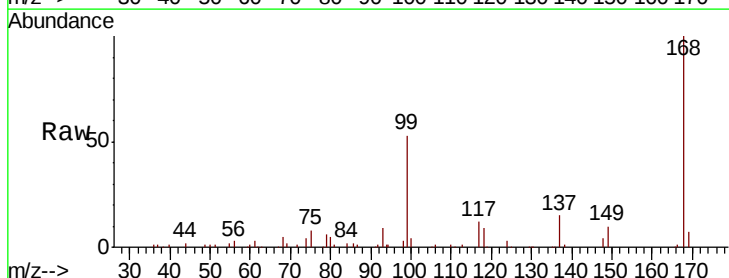
Tgt Ion: 56 Resp: 4212

Ion Ratio Lower Upper

56 100

69 84.9 25.0 37.4#

84 79.6 76.3 114.5

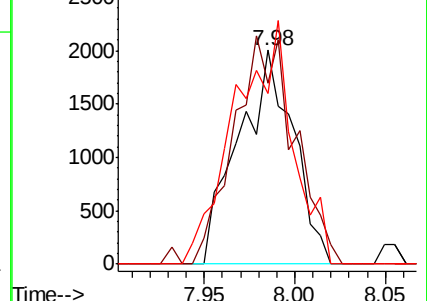
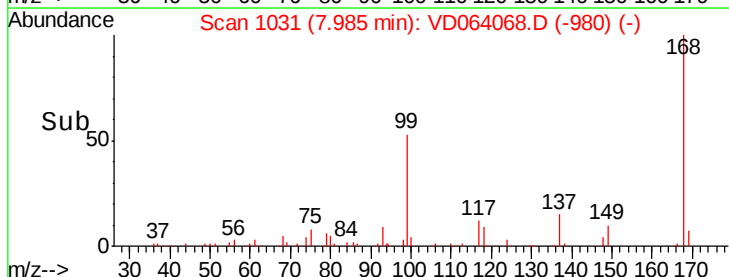


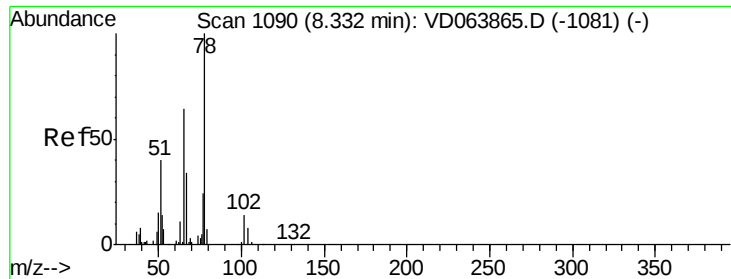
Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

Time-->

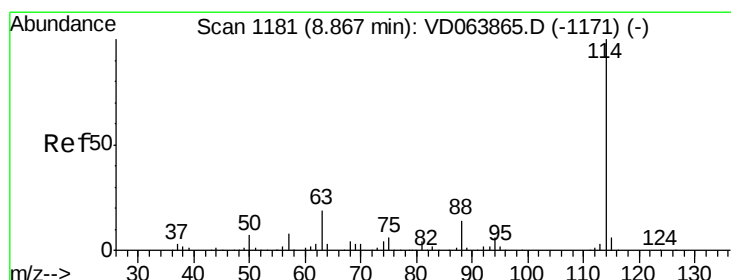
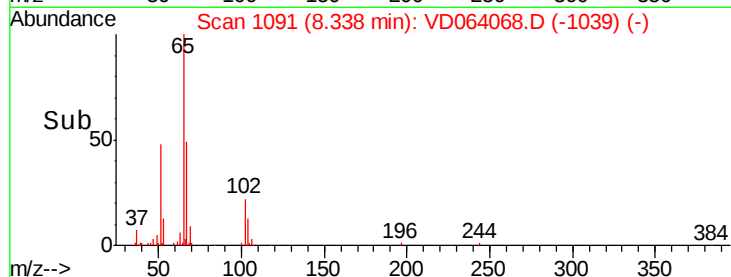
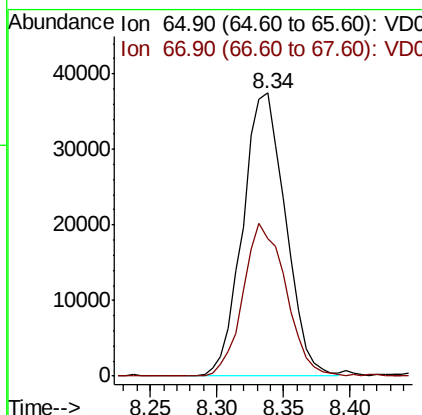
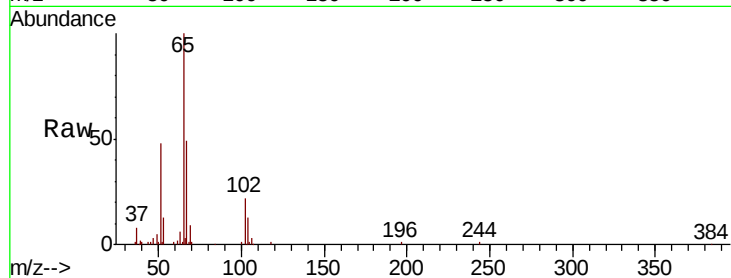




#33
 1,2-Dichloroethane-d4
 Concen: 54.396 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064068.D
 Acq: 25 Oct 2019 16:33

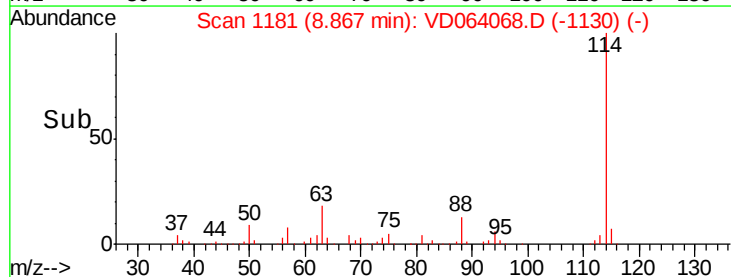
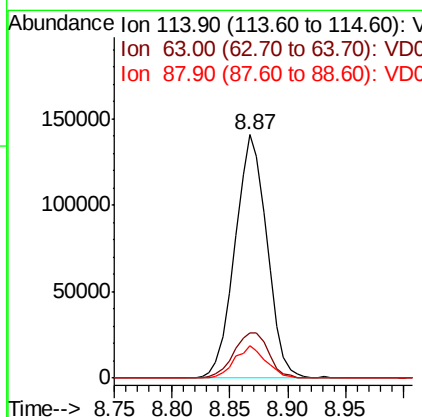
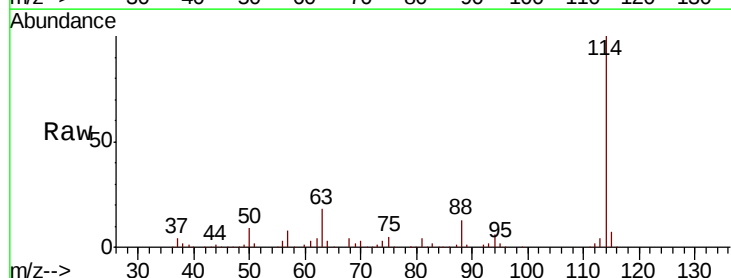
Instrument :
 MSVOA_D
 ClientSampleId :

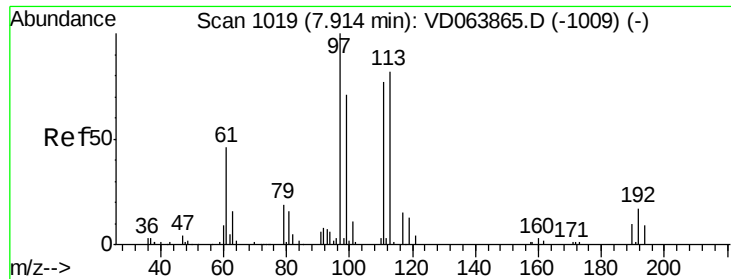
Tot Ion: 65 Resp: 83011
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064068.D
 Acq: 25 Oct 2019 16:33

Tgt Ion: 114 Resp: 271133
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 38.4
 88 13.3 0.0 27.4

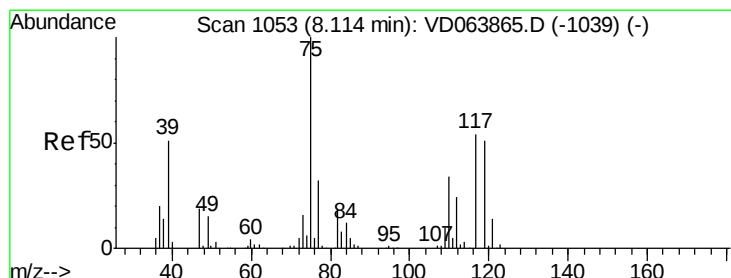
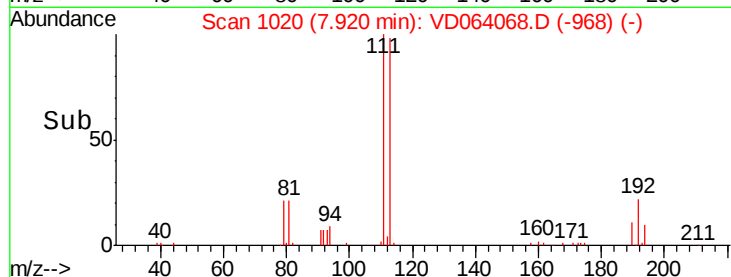
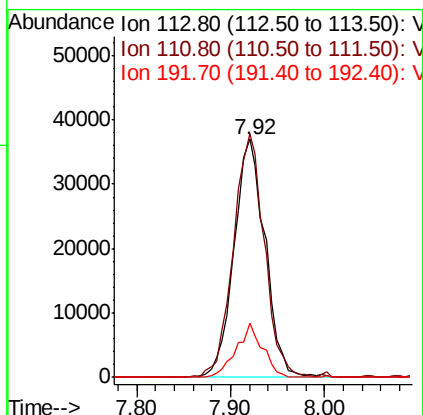
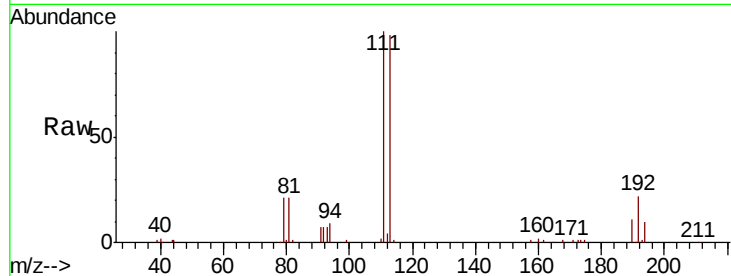




#35
 Dibromofluoromethane
 Concen: 51.204 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064068.D
 Acq: 25 Oct 2019 16:33

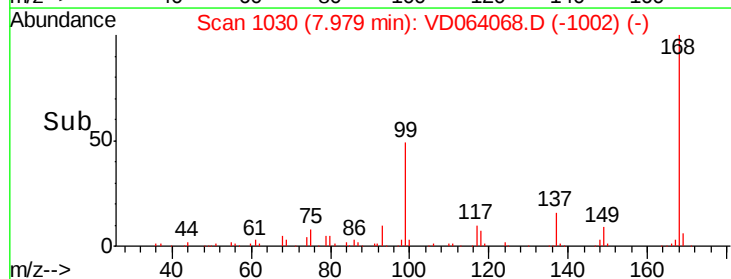
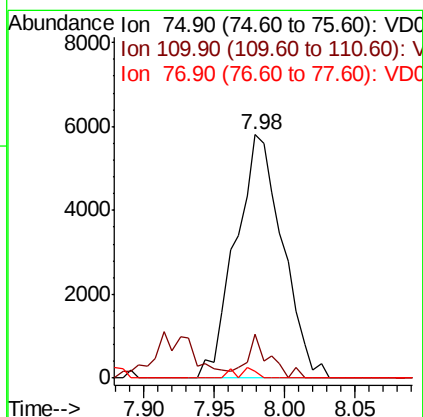
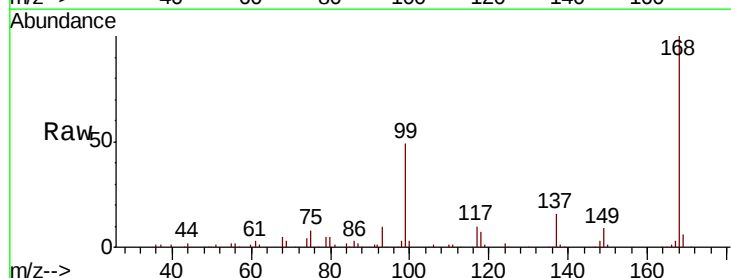
Instrument :
 MSVOA_D
 ClientSampleId :

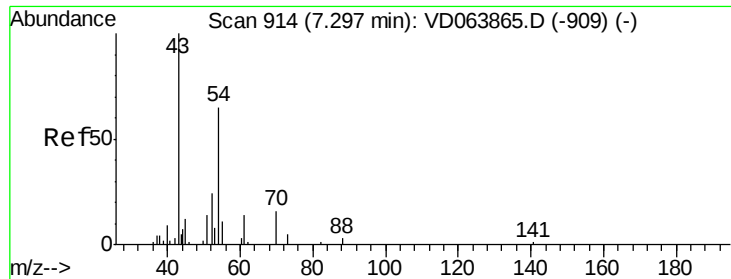
Tot Ion:113 Resp: 84844
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.6 123.8
 192 19.0 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 5.444 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064068.D
 Acq: 25 Oct 2019 16:33

Tgt Ion: 75 Resp: 13497
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.4 52.3#
 77 1.7 25.4 38.0#

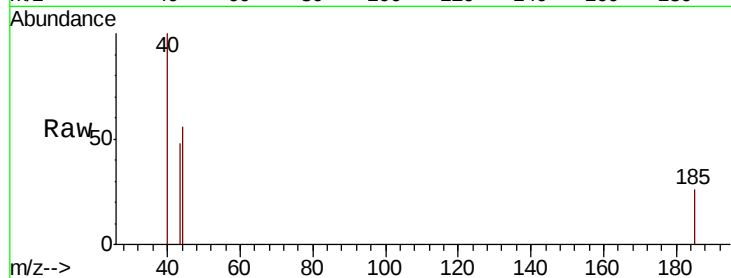




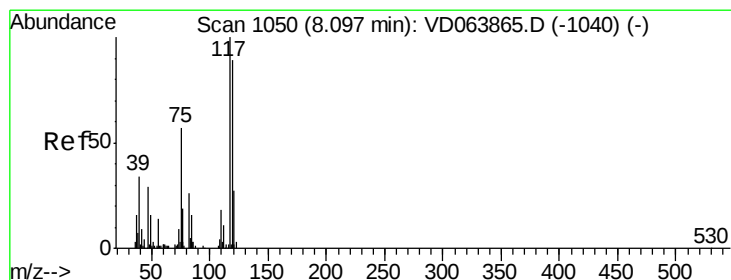
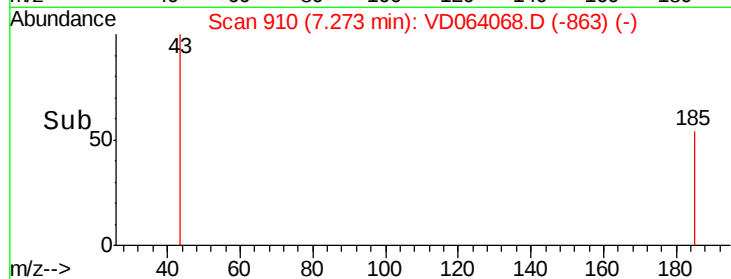
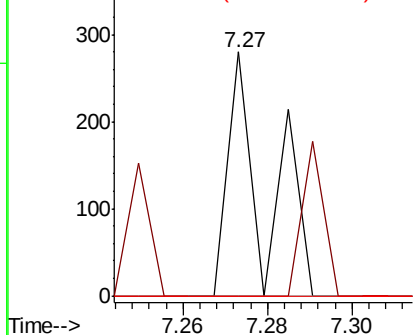
#37
Ethyl Acetate
Concen: Below Cal
RT: 7.27 min Scan# 910
Delta R.T. -0.02 min
Lab File: VD064068.D
Acq: 25 Oct 2019 16:33

Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
61 35.6 11.5 17.3#
70 0.0 8.2 12.4#

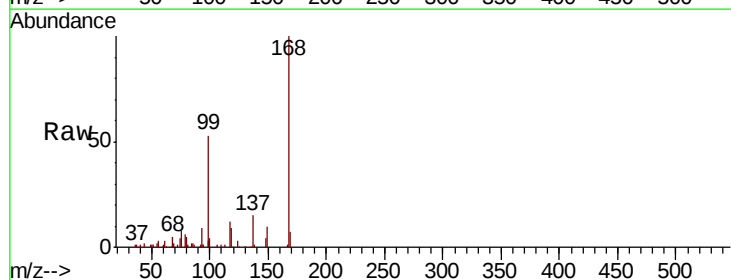


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

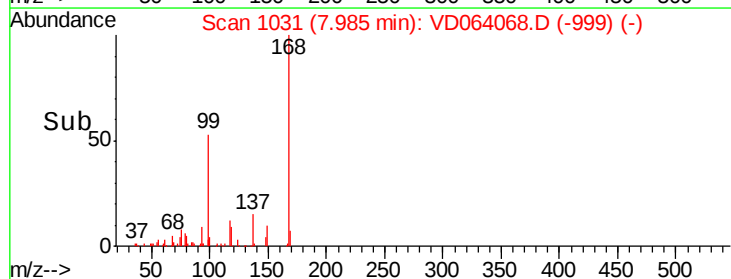
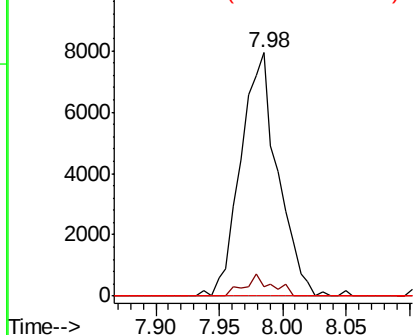


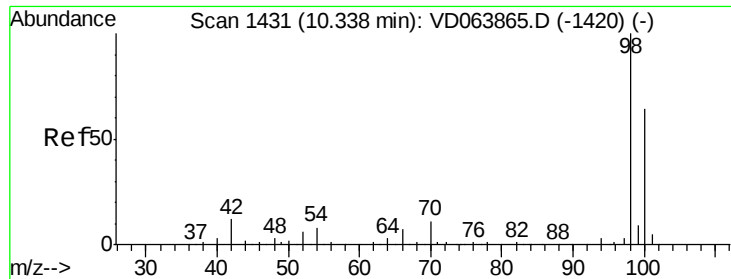
#38
Carbon Tetrachloride
Concen: 6.429 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064068.D
Acq: 25 Oct 2019 16:33

Tgt Ion: 117 Resp: 16106
Ion Ratio Lower Upper
117 100
119 4.1 70.8 106.2#
121 0.0 21.4 32.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

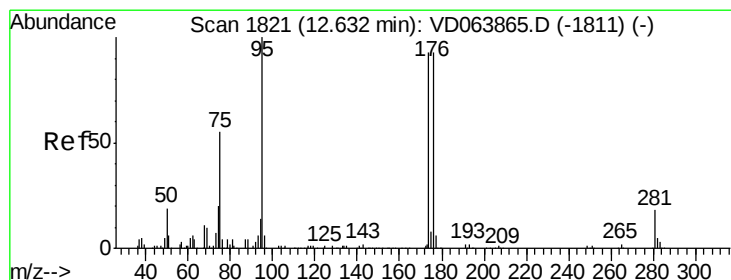
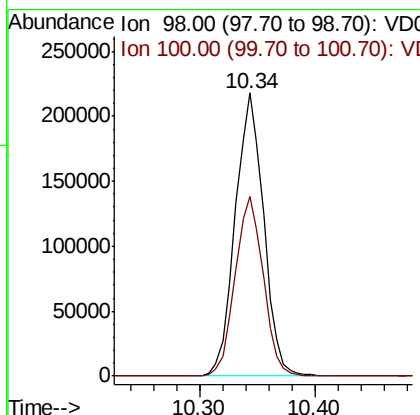
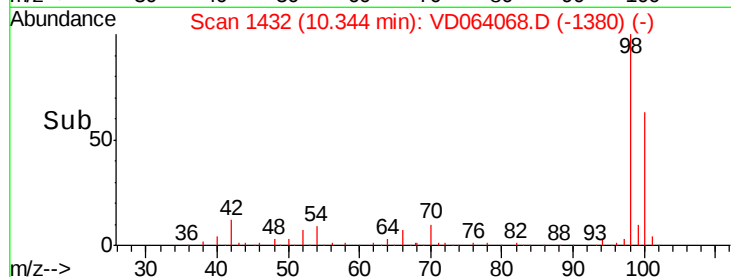
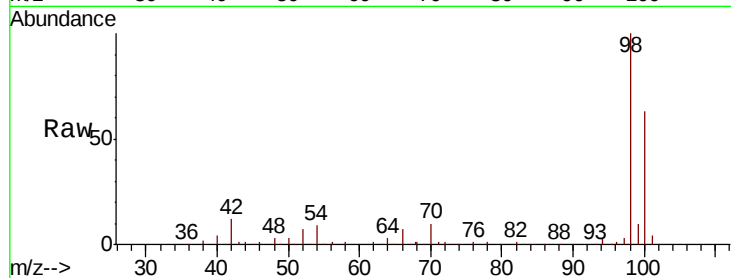




#50
Toluene-d8
Concen: 55.349 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064068.D
Acq: 25 Oct 2019 16:33

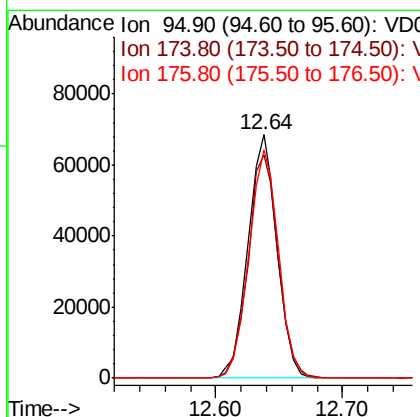
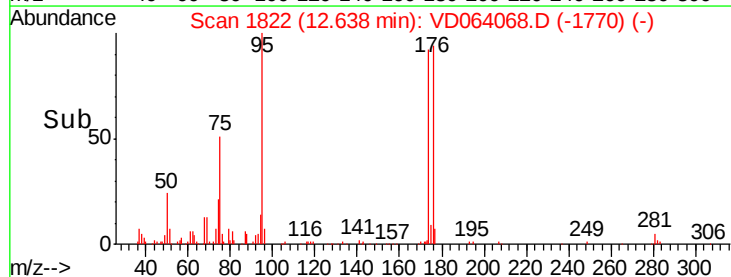
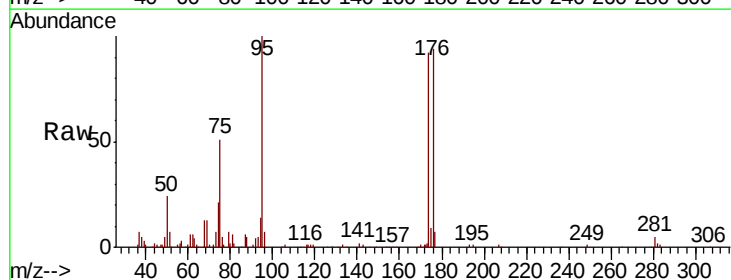
Instrument :
MSVOA_D
ClientSampleId :

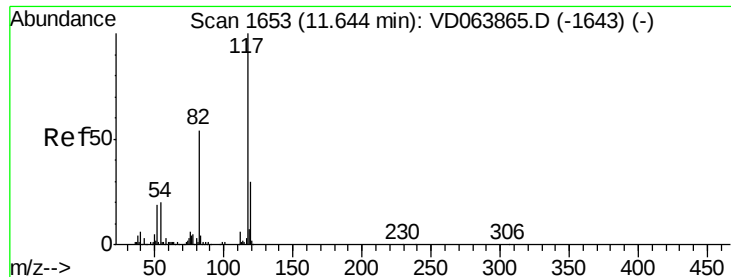
Tot Ion: 98 Resp: 372248
Ion Ratio Lower Upper
98 100
100 63.1 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 46.728 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD064068.D
Acq: 25 Oct 2019 16:33

Tgt Ion: 95 Resp: 109207
Ion Ratio Lower Upper
95 100
174 94.9 0.0 186.4
176 95.8 0.0 184.2

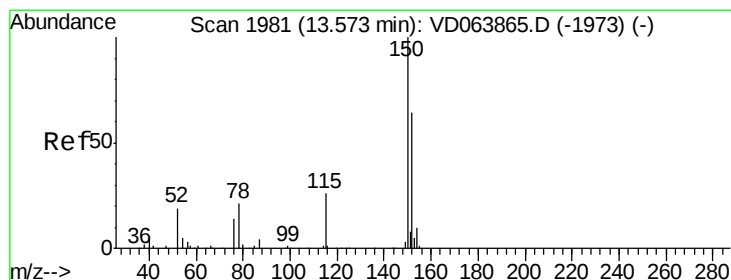
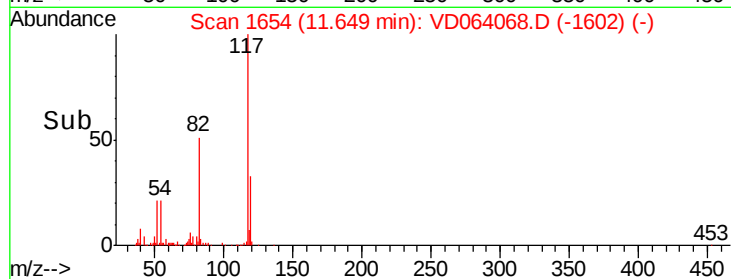
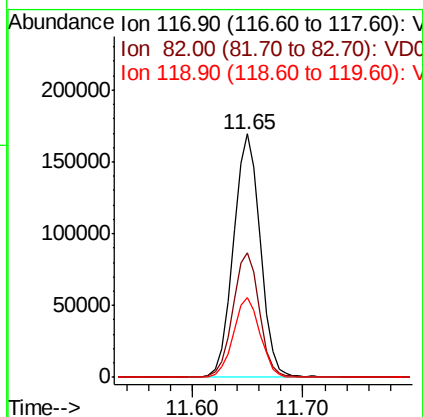
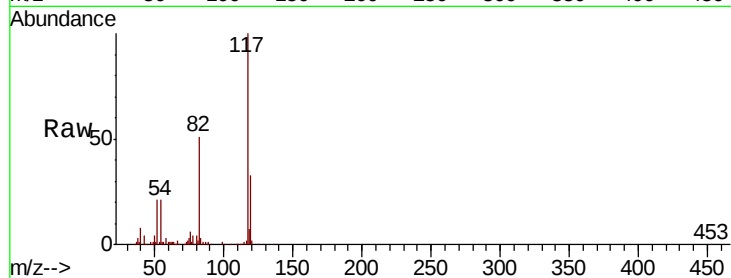




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064068.D
Acq: 25 Oct 2019 16:33

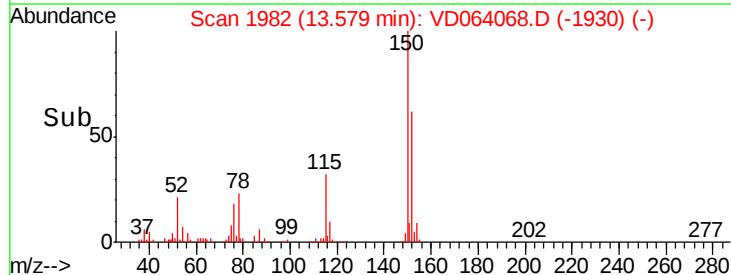
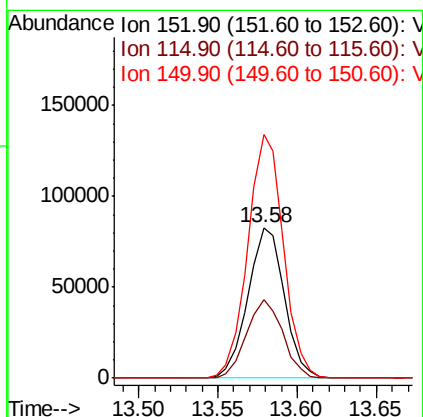
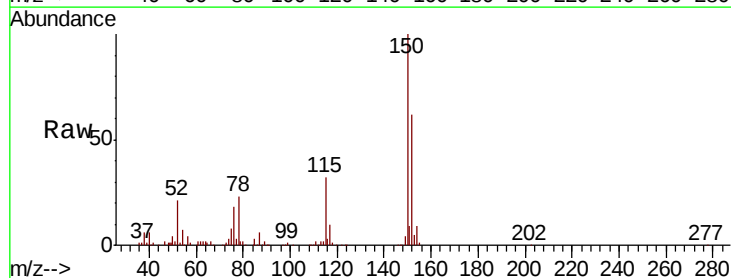
Instrument :
MSVOA_D
ClientSampleId :

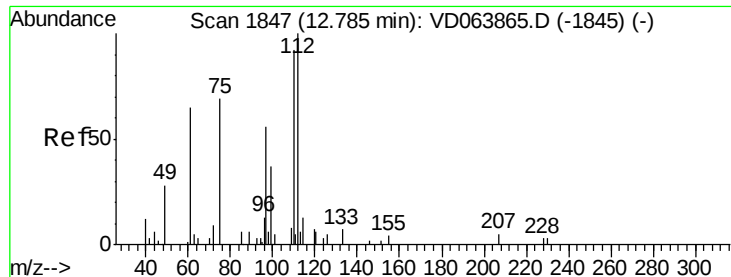
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	42.8	64.2
119	32.6	24.4	36.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064068.D
Acq: 25 Oct 2019 16:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.0	25.9	77.7
150	158.1	0.0	344.2





#76

1,2,3-Trichloropropane

Concen: 66.076 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064068.D

Acq: 25 Oct 2019 16:33

Instrument :

MSVOA_D

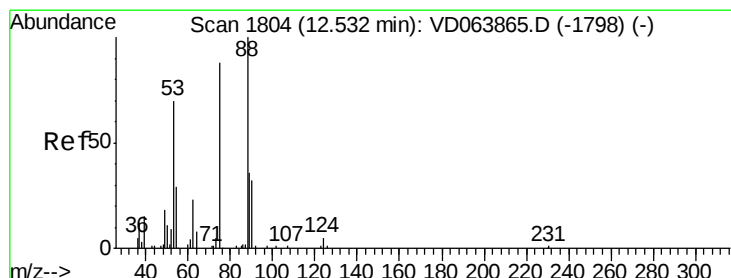
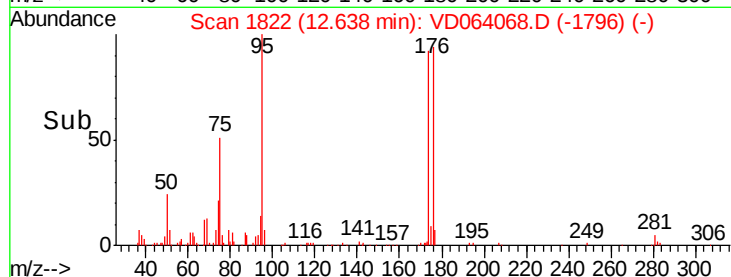
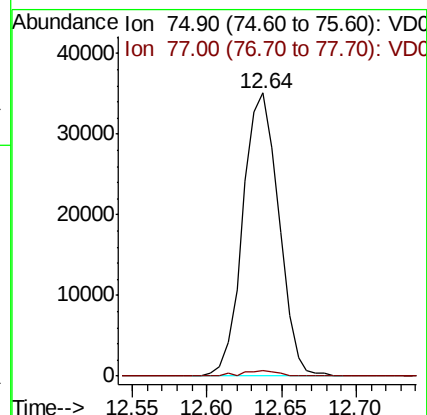
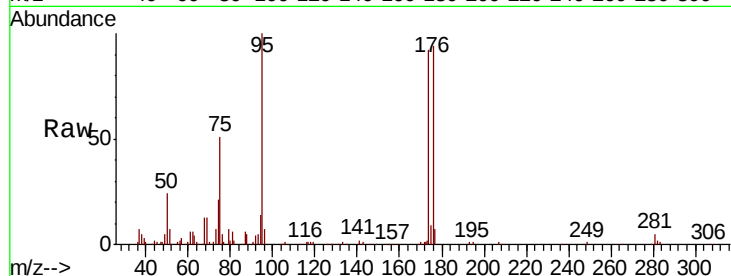
ClientSampleId :

Tot Ion: 75 Resp: 58543

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.928 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064068.D

Acq: 25 Oct 2019 16:33

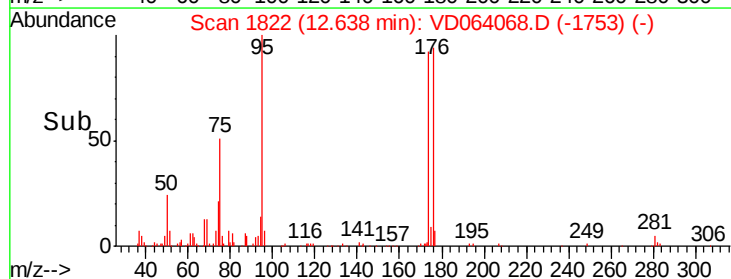
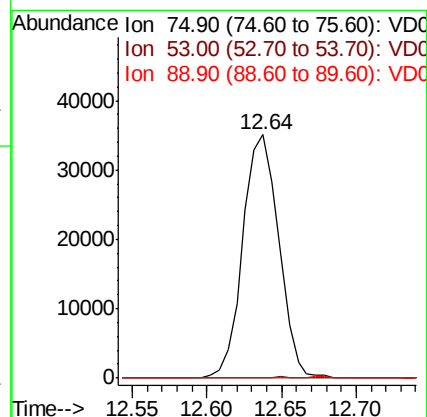
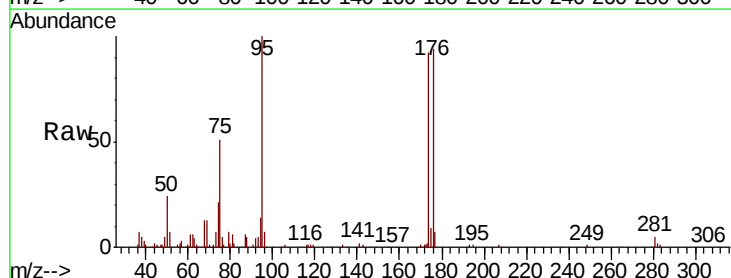
Tgt Ion: 75 Resp: 58543

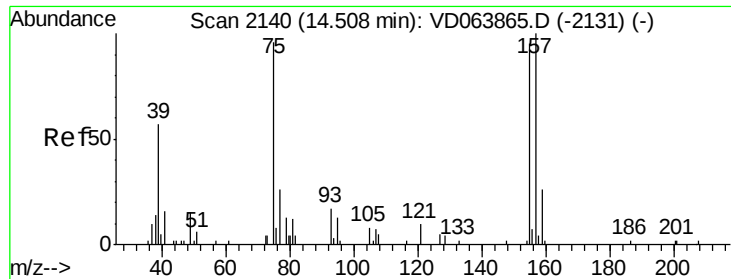
Ion Ratio Lower Upper

75 100

53 0.1 75.0 112.6#

89 0.0 38.2 57.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.50 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VD064068.D

Acq: 25 Oct 2019 16:33

Instrument :

MSVOA_D

ClientSampleId :

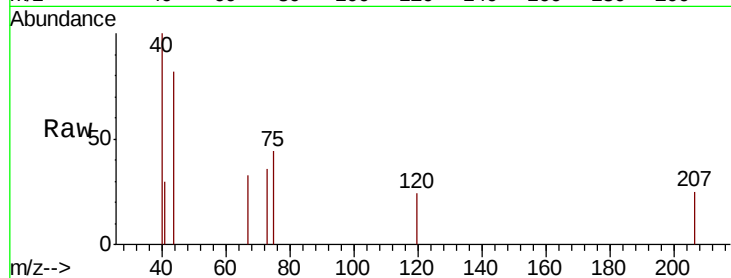
Tot Ion: 75 Resp: 187

Ion Ratio Lower Upper

75 100

155 0.0 43.9 131.6#

157 0.0 56.0 167.9#



Abundance

Ion 74.90 (74.60 to 75.60): VDC

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

