

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122319\
 Data File : VD064569.D
 Acq On : 23 Dec 2019 15:34
 Operator : VA/SY
 Sample : K6396-07
 Misc : 5.70G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-(0-2)

Quant Time: Dec 24 05:54:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	481572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	748218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	775776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	402832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	203318	46.64	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.28%	
35) Dibromofluoromethane	7.92	113	229625	48.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.42%	
50) Toluene-d8	10.34	98	913880	51.46	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.64	95	346505	60.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	121.44%	

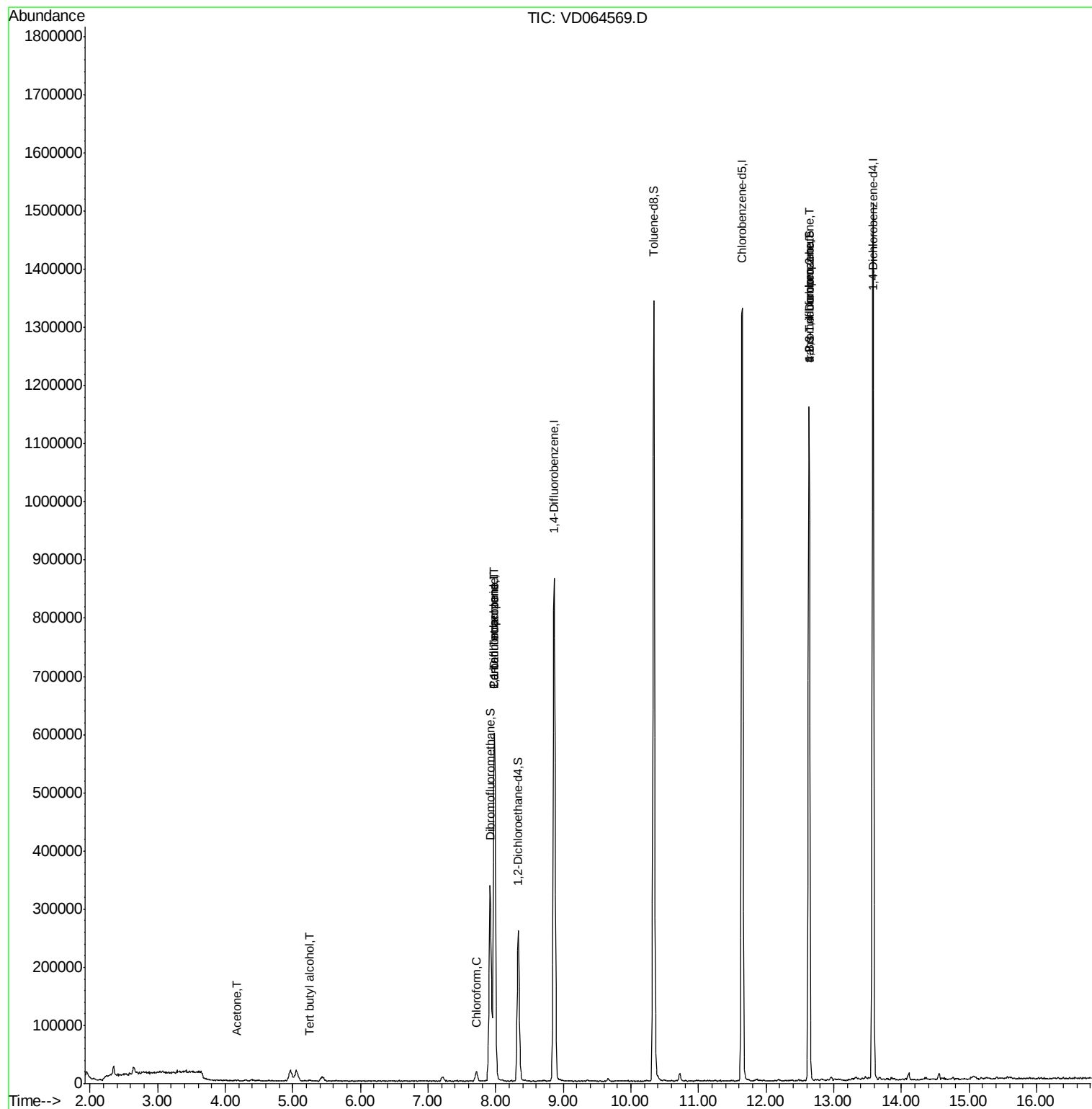
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.24	59	972	3.503	ug/l #	100
16) Acetone	4.17	43	1150	1.306	ug/l #	76
20) Methylene Chloride	4.96	84	13372	Below Cal		91
30) Chloroform	7.72	83	15586	1.871	ug/l #	81
31) Cyclohexane	7.98	56	9812	Below Cal	#	5
36) 1,1-Dichloropropene	7.98	75	33807	4.777	ug/l #	48
38) Carbon Tetrachloride	7.98	117	46943	6.285	ug/l #	14
76) 1,2,3-Trichloropropane	12.64	75	182192	54.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	182192	119.922	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.52	75	81	Below Cal	#	1

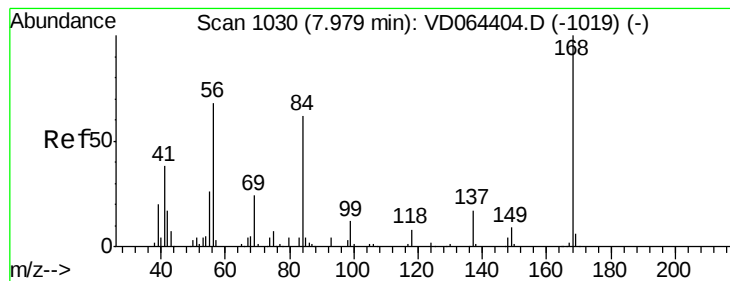
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122319\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064569.D

Acq: 23 Dec 2019 15:34

Instrument :

MSVOA_D

ClientSampleId :

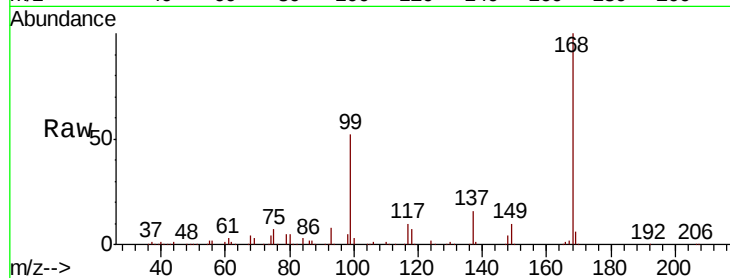
SB-3-(0-2)

Tot Ion:168 Resp: 481572

Ion Ratio Lower Upper

168 100

99 52.1 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

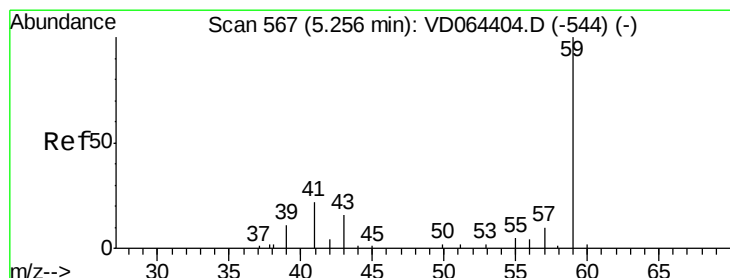
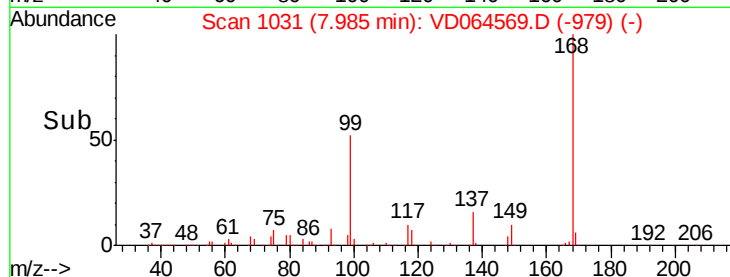
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.503 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.02 min

Lab File: VD064569.D

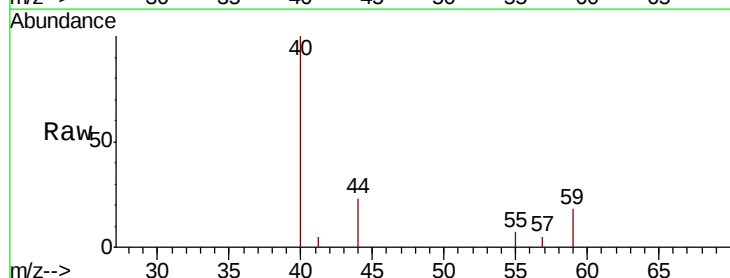
Acq: 23 Dec 2019 15:34

Tgt Ion: 59 Resp: 972

Ion Ratio Lower Upper

59 100

57 19.5 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

800

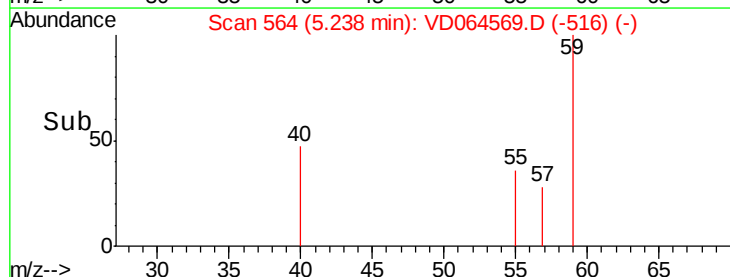
600

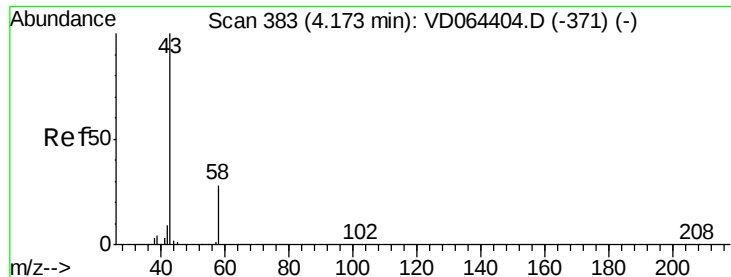
400

200

0

Time-->





#16

Acetone

Concen: 1.306 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064569.D

Acq: 23 Dec 2019 15:34

Instrument :

MSVOA_D

ClientSampleId :

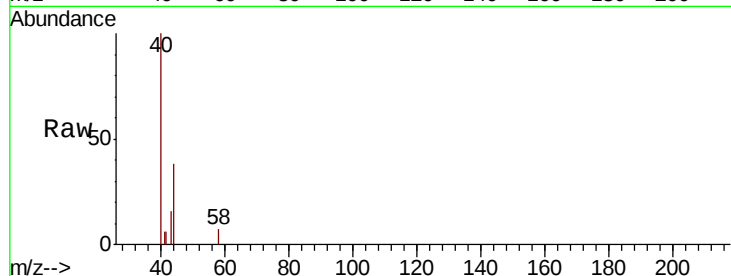
SB-3-(0-2)

Tot Ion: 43 Resp: 1150

Ion Ratio Lower Upper

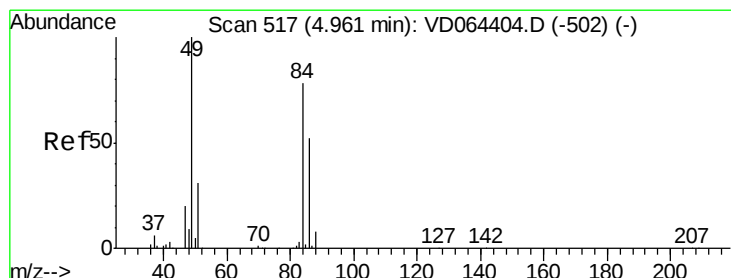
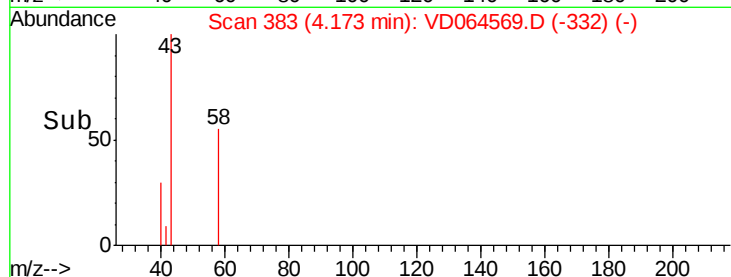
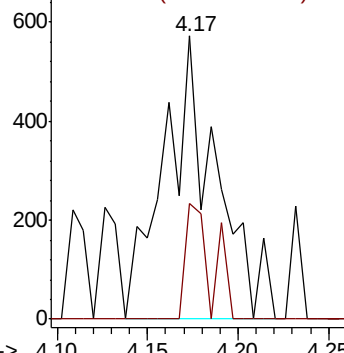
43 100

58 40.7 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: Below Cal

RT: 4.96 min Scan# 517

Delta R.T. 0.00 min

Lab File: VD064569.D

Acq: 23 Dec 2019 15:34

Tgt Ion: 84 Resp: 13372

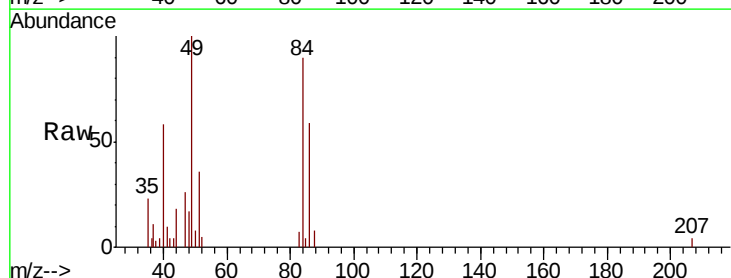
Ion Ratio Lower Upper

84 100

49 111.1 102.6 153.8

51 40.3 32.0 48.0

86 65.7 53.4 80.0

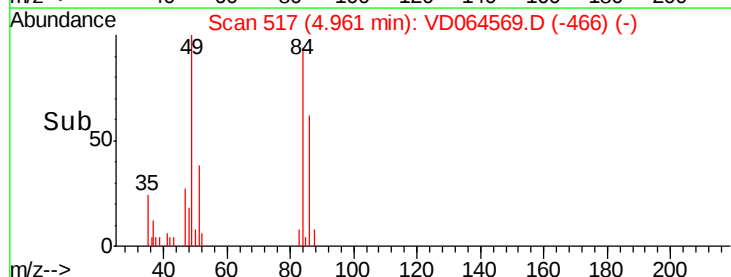
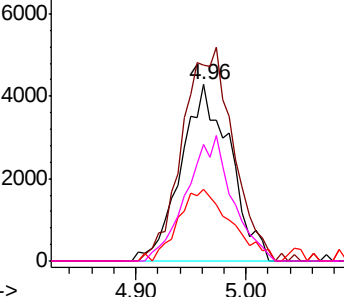


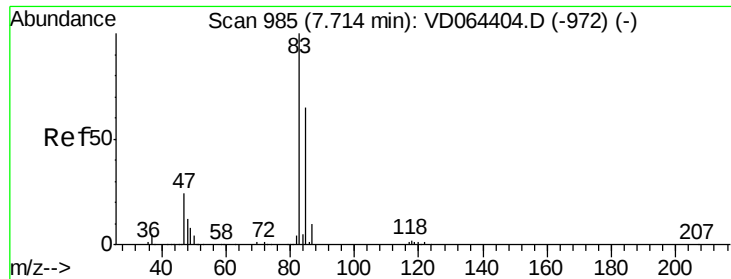
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

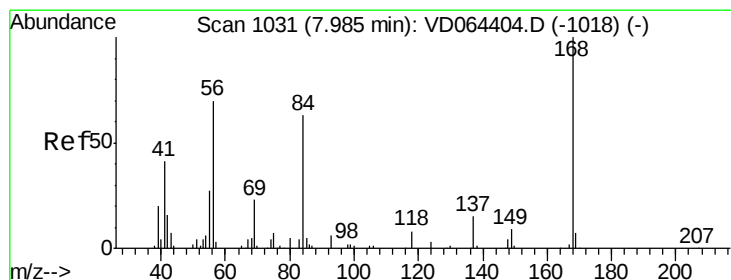
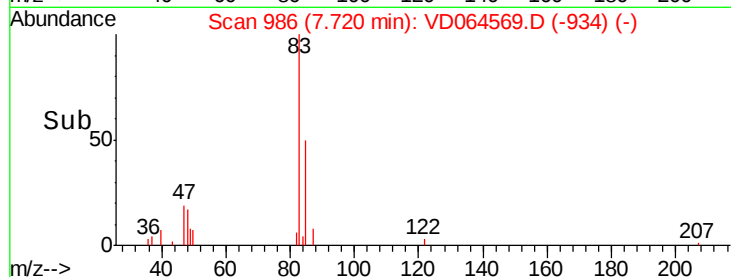
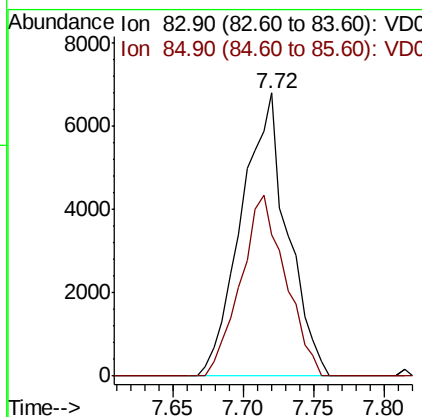
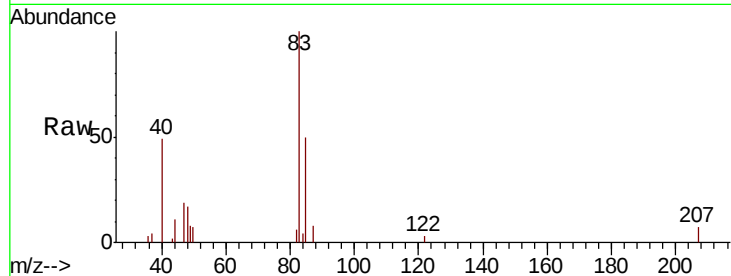




#30
Chloroform
Concen: 1.871 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064569.D
Acq: 23 Dec 2019 15:34

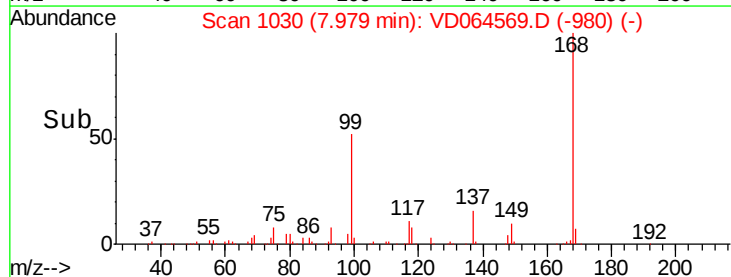
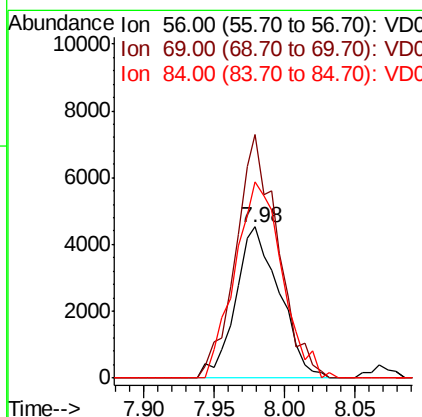
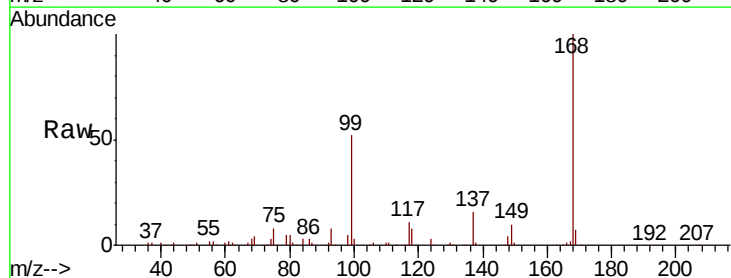
Instrument :
MSVOA_D
ClientSampleId :
SB-3-(0-2)

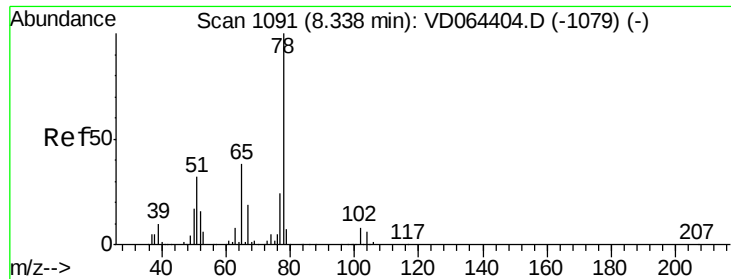
Tot Ion: 83 Resp: 15586
Ion Ratio Lower Upper
83 100
85 49.9 51.8 77.6#



#31
Cyclohexane
Concen: Below Cal
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064569.D
Acq: 23 Dec 2019 15:34

Tgt Ion: 56 Resp: 9812
Ion Ratio Lower Upper
56 100
69 161.0 26.2 39.4#
84 129.8 70.3 105.5#

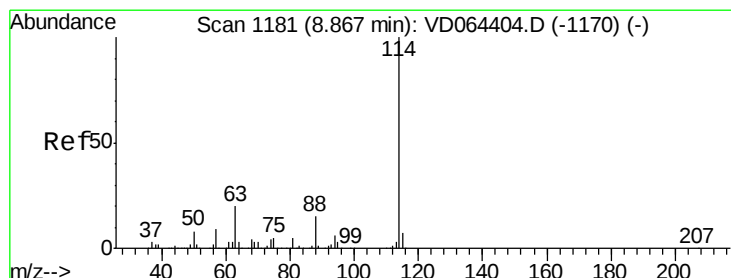
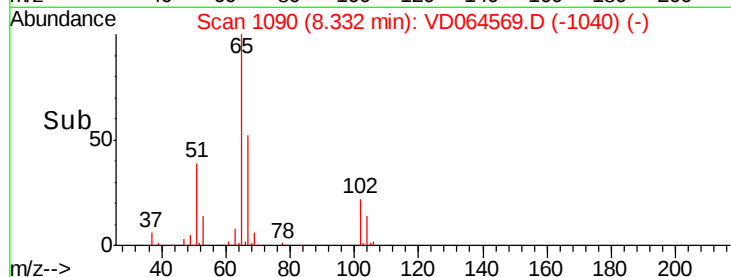
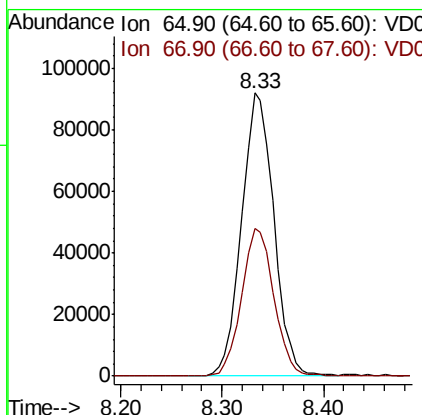
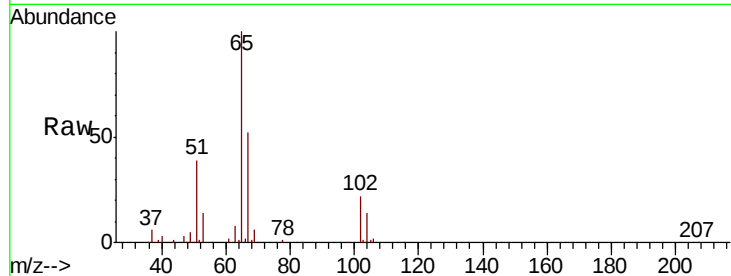




#33
 1,2-Dichloroethane-d4
 Concen: 46.644 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064569.D
 Acq: 23 Dec 2019 15:34

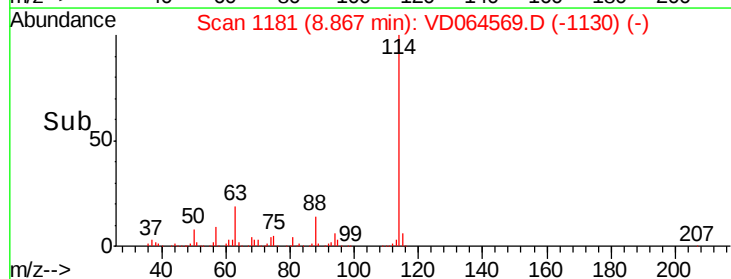
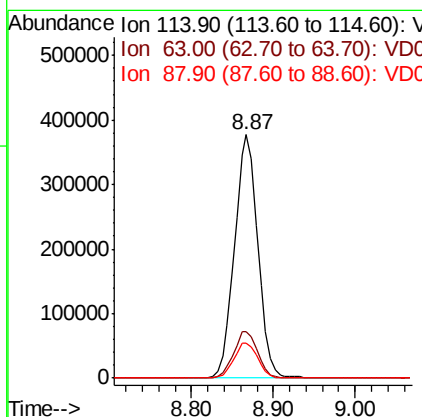
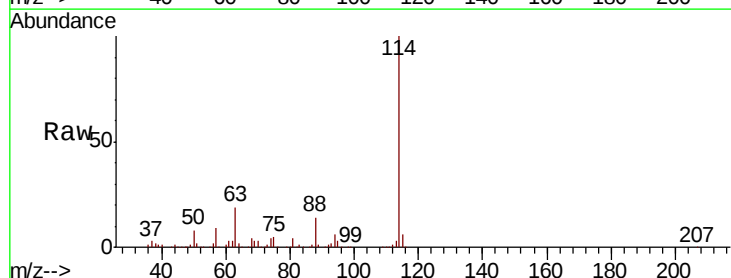
Instrument :
 MSVOA_D
 ClientSampled :
 SB-3-(0-2)

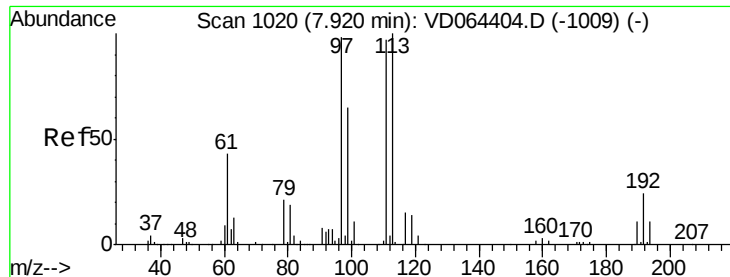
Tot Ion: 65 Resp: 203318
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064569.D
 Acq: 23 Dec 2019 15:34

Tgt Ion: 114 Resp: 748218
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 14.4 0.0 29.2





#35

Dibromofluoromethane

Concen: 48.710 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064569.D

Acq: 23 Dec 2019 15:34

Instrument :

MSVOA_D

ClientSampled :

SB-3-(0-2)

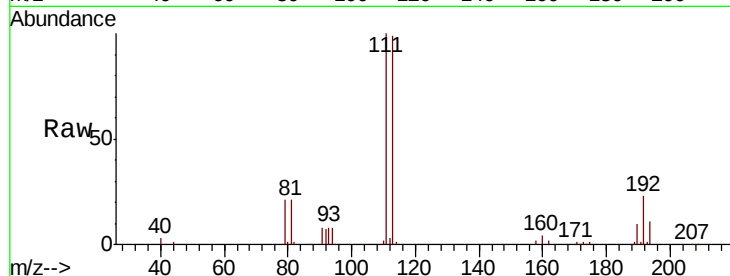
Tot Ion:113 Resp: 229625

Ion Ratio Lower Upper

113 100

111 102.2 79.4 119.2

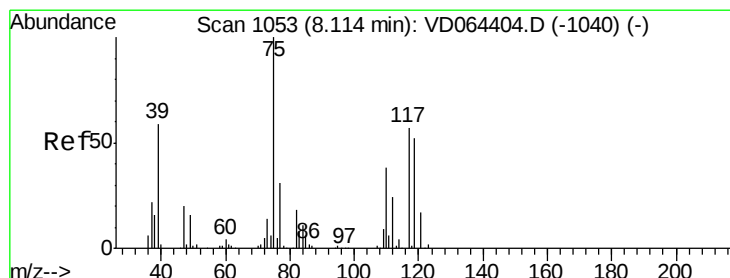
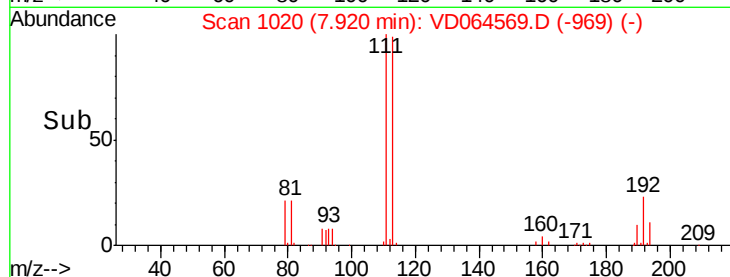
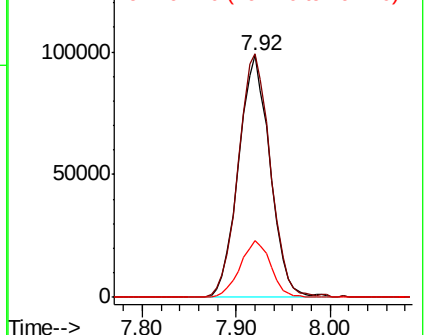
192 23.1 18.6 28.0



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.777 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064569.D

Acq: 23 Dec 2019 15:34

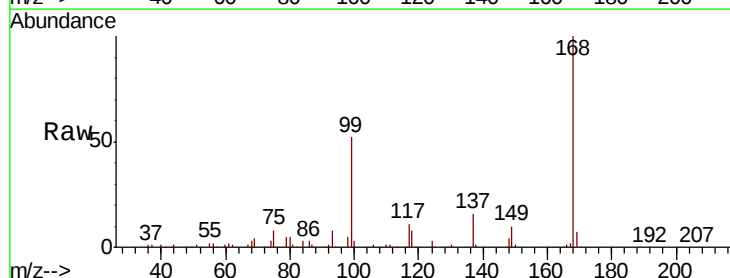
Tgt Ion: 75 Resp: 33807

Ion Ratio Lower Upper

75 100

110 8.9 18.6 55.8#

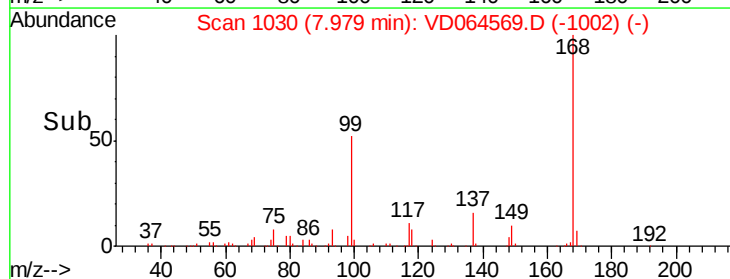
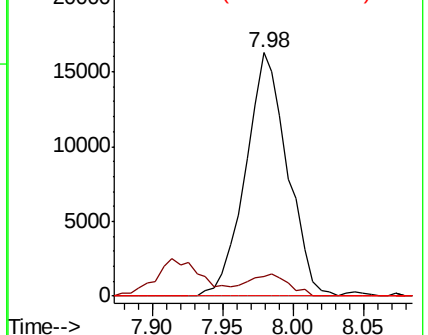
77 0.0 25.0 37.4#

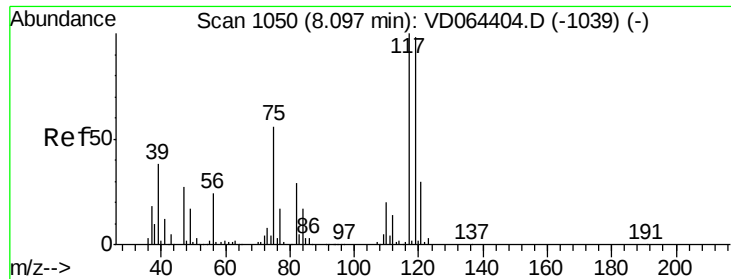


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

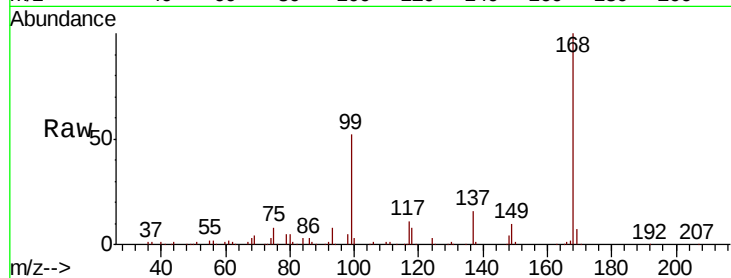




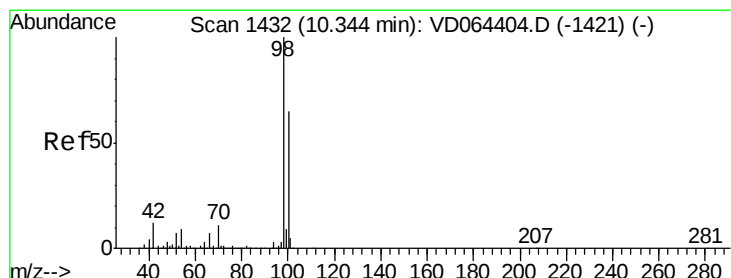
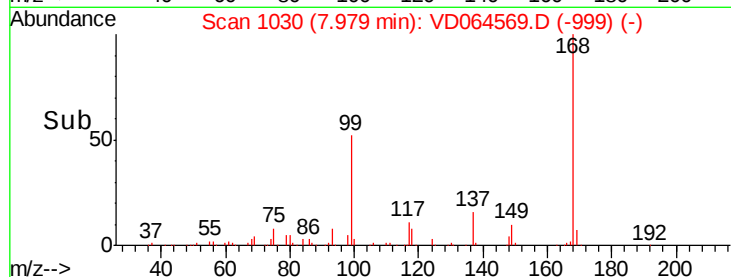
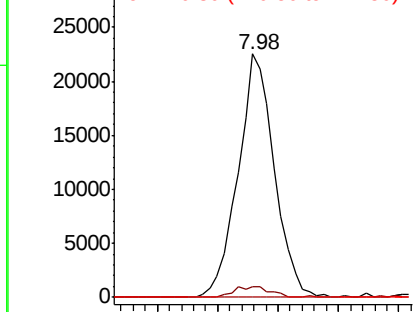
#38
Carbon Tetrachloride
Concen: 6.285 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD064569.D
Acq: 23 Dec 2019 15:34

Instrument :
MSVOA_D
ClientSampleId :
SB-3-(0-2)

Tot Ion:117 Resp: 46943
Ion Ratio Lower Upper
117 100
119 4.1 78.8 118.2#
121 0.0 24.2 36.2#

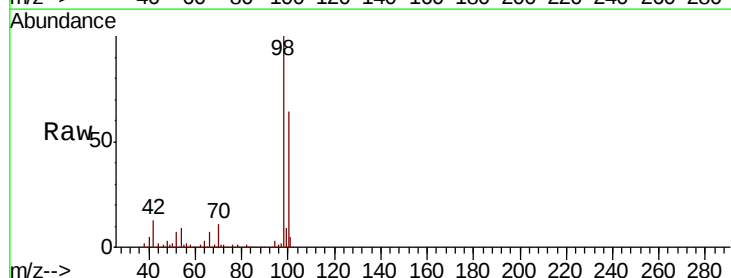


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

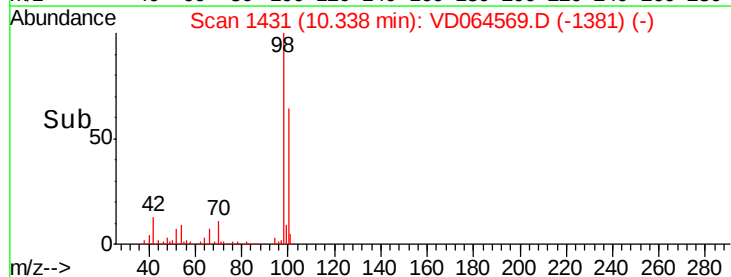
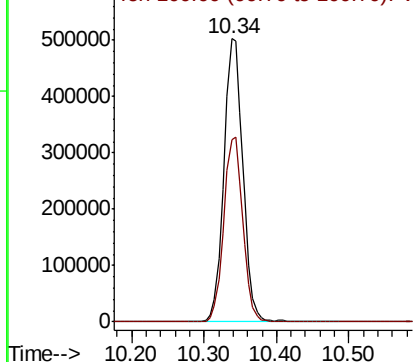


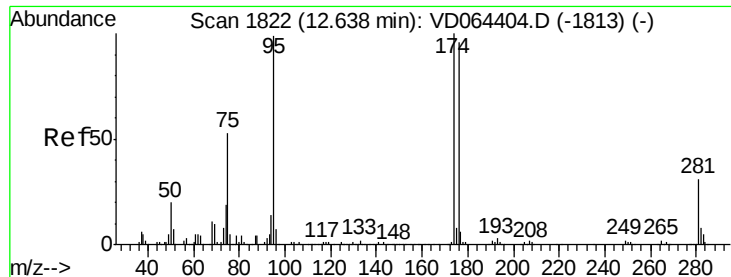
#50
Toluene-d8
Concen: 51.464 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064569.D
Acq: 23 Dec 2019 15:34

Tgt Ion: 98 Resp: 913880
Ion Ratio Lower Upper
98 100
100 65.5 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD

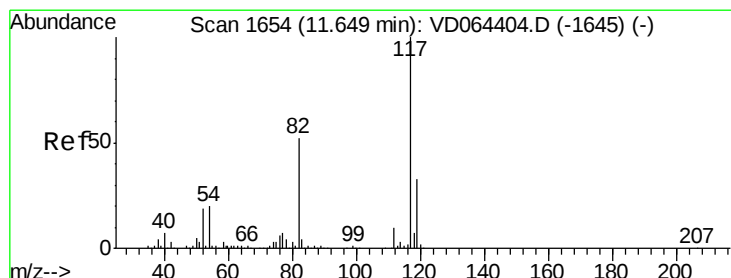
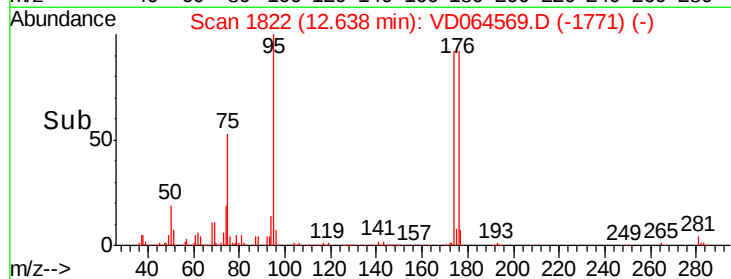
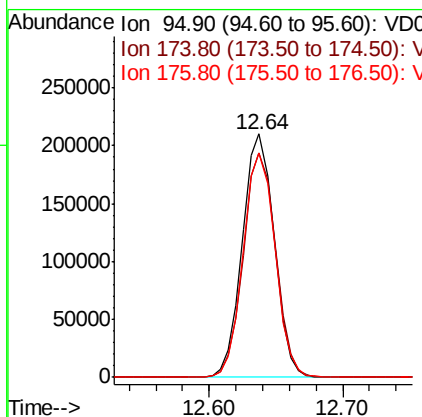
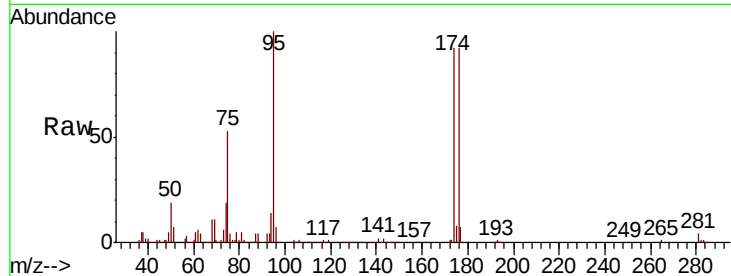




#62
4-Bromofluorobenzene
Concen: 60.718 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064569.D
Acq: 23 Dec 2019 15:34

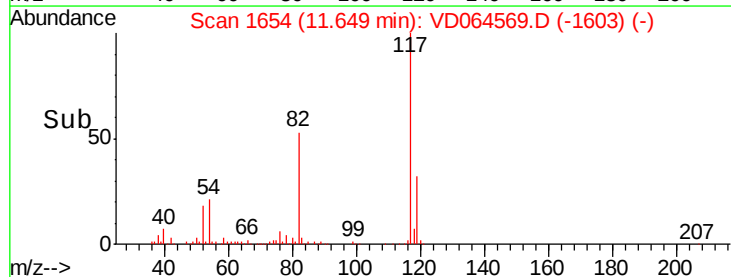
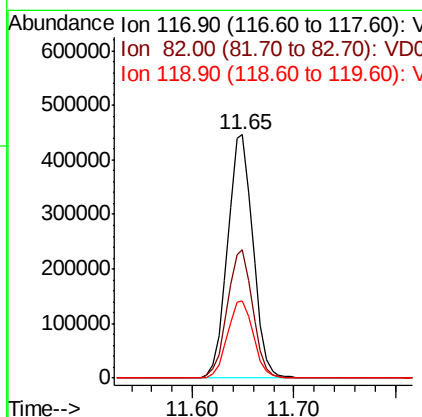
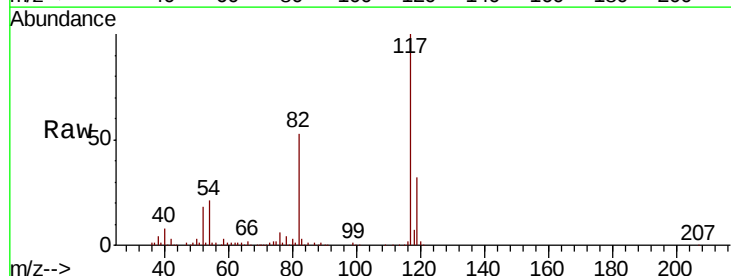
Instrument :
MSVOA_D
ClientSampled :
SB-3-(0-2)

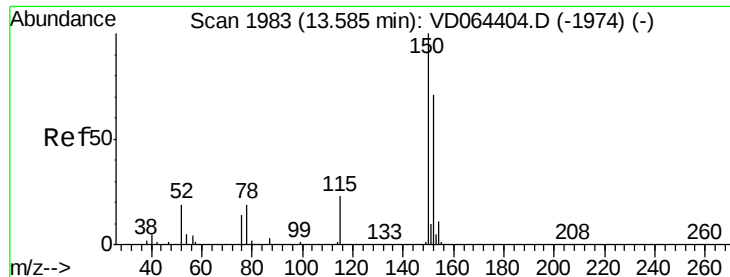
Tot Ion: 95 Resp: 346505
Ion Ratio Lower Upper
95 100
174 93.1 0.0 197.2
176 92.4 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064569.D
Acq: 23 Dec 2019 15:34

Tgt Ion: 117 Resp: 775776
Ion Ratio Lower Upper
117 100
82 52.7 41.4 62.2
119 31.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064569.D

Acq: 23 Dec 2019 15:34

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(0-2)

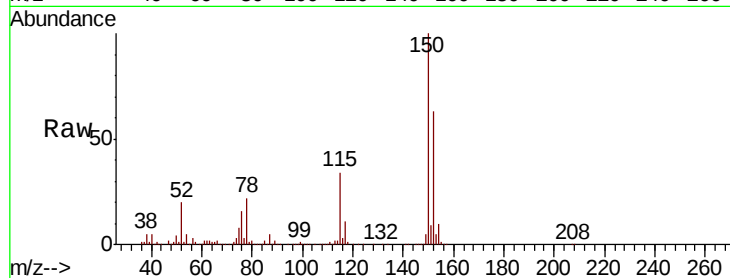
Tot Ion:152 Resp: 402832

Ion Ratio Lower Upper

152 100

115 55.4 26.7 80.1

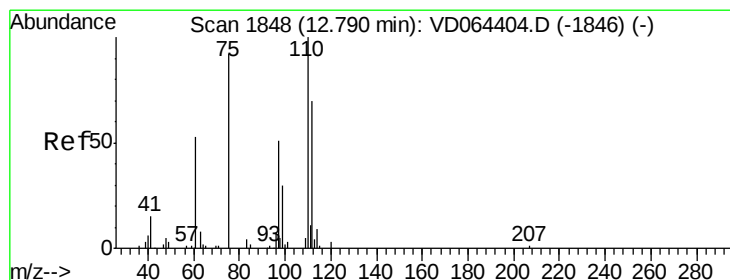
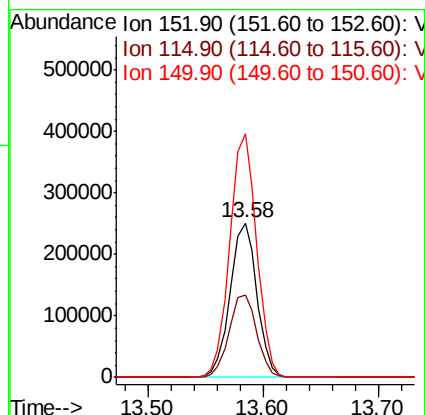
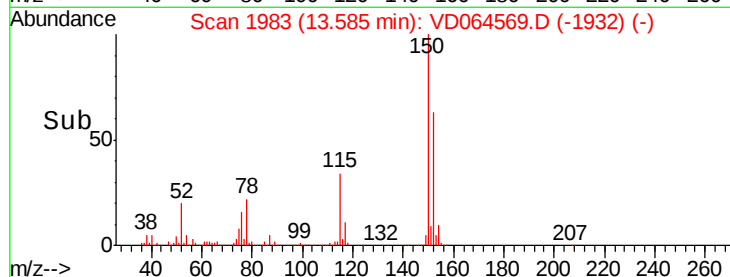
150 157.8 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 54.997 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064569.D

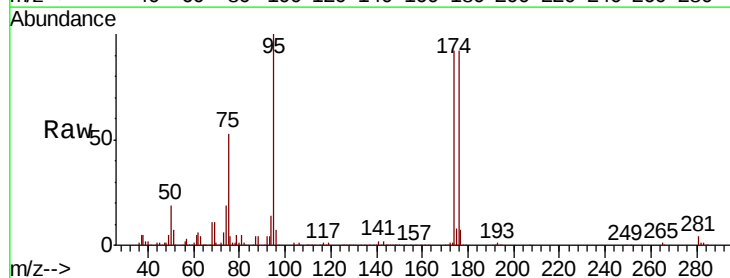
Acq: 23 Dec 2019 15:34

Tgt Ion: 75 Resp: 182192

Ion Ratio Lower Upper

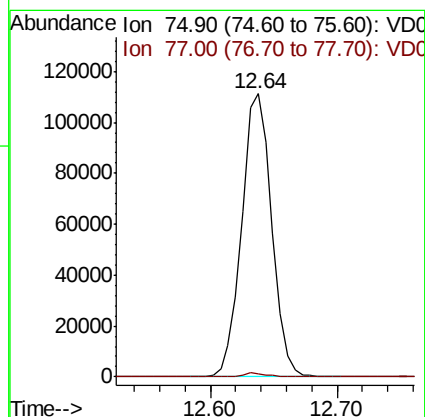
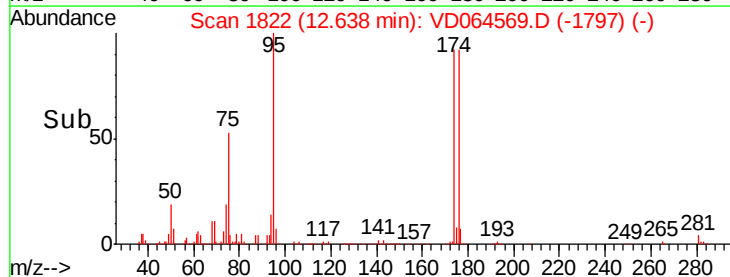
75 100

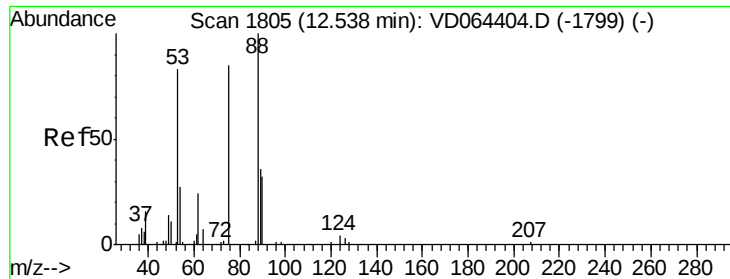
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 119.922 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064569.D

Acq: 23 Dec 2019 15:34

Instrument :

MSVOA_D

ClientSampleId :

SB-3-(0-2)

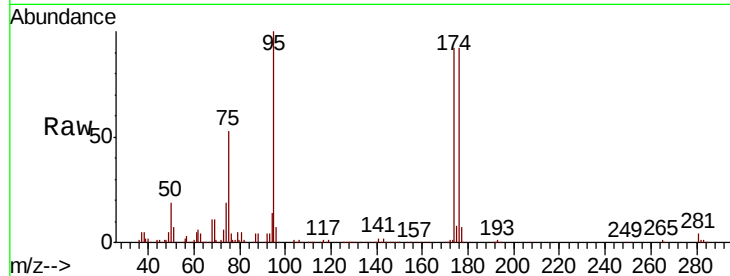
Tot Ion: 75 Resp: 182192

Ion Ratio Lower Upper

75 100

53 0.0 81.0 121.6#

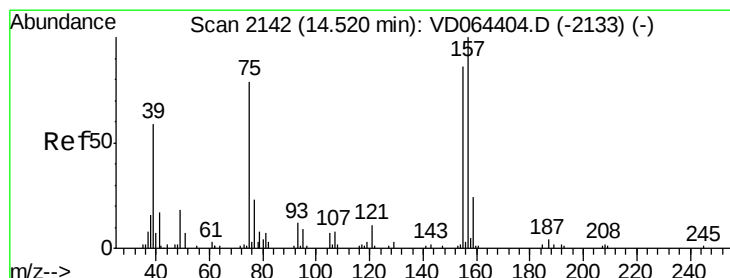
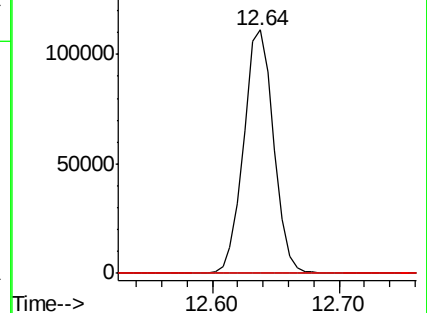
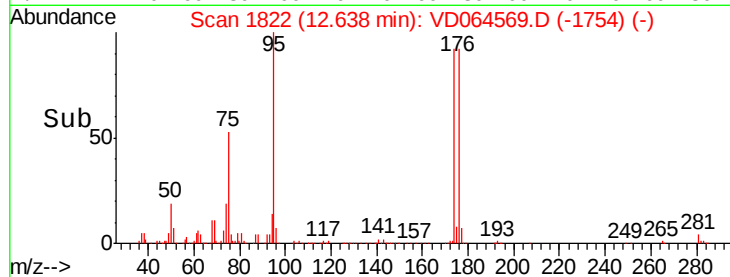
89 0.0 38.5 57.7#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

Lab File: VD064569.D

Acq: 23 Dec 2019 15:34

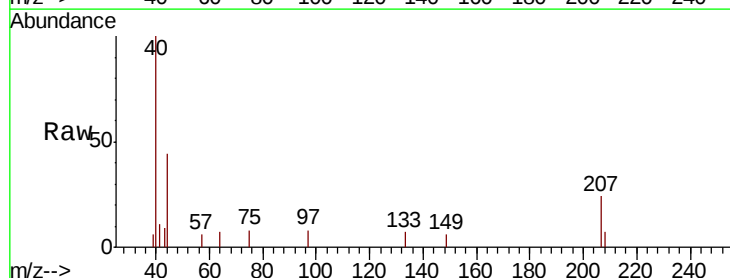
Tgt Ion: 75 Resp: 81

Ion Ratio Lower Upper

75 100

155 0.0 51.9 155.7#

157 0.0 63.2 189.8#



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

