

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064437.D
 Acq On : 05 Dec 2019 15:36
 Operator : VA/SY
 Sample : K6147-10
 Misc : 5.57G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 05:55:13 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	472761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	737691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	694362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	327346	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	228516	53.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.80%	
35) Dibromofluoromethane	7.92	113	237589	51.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.24%	
50) Toluene-d8	10.34	98	889718	50.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.64	95	295208	52.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.94%	

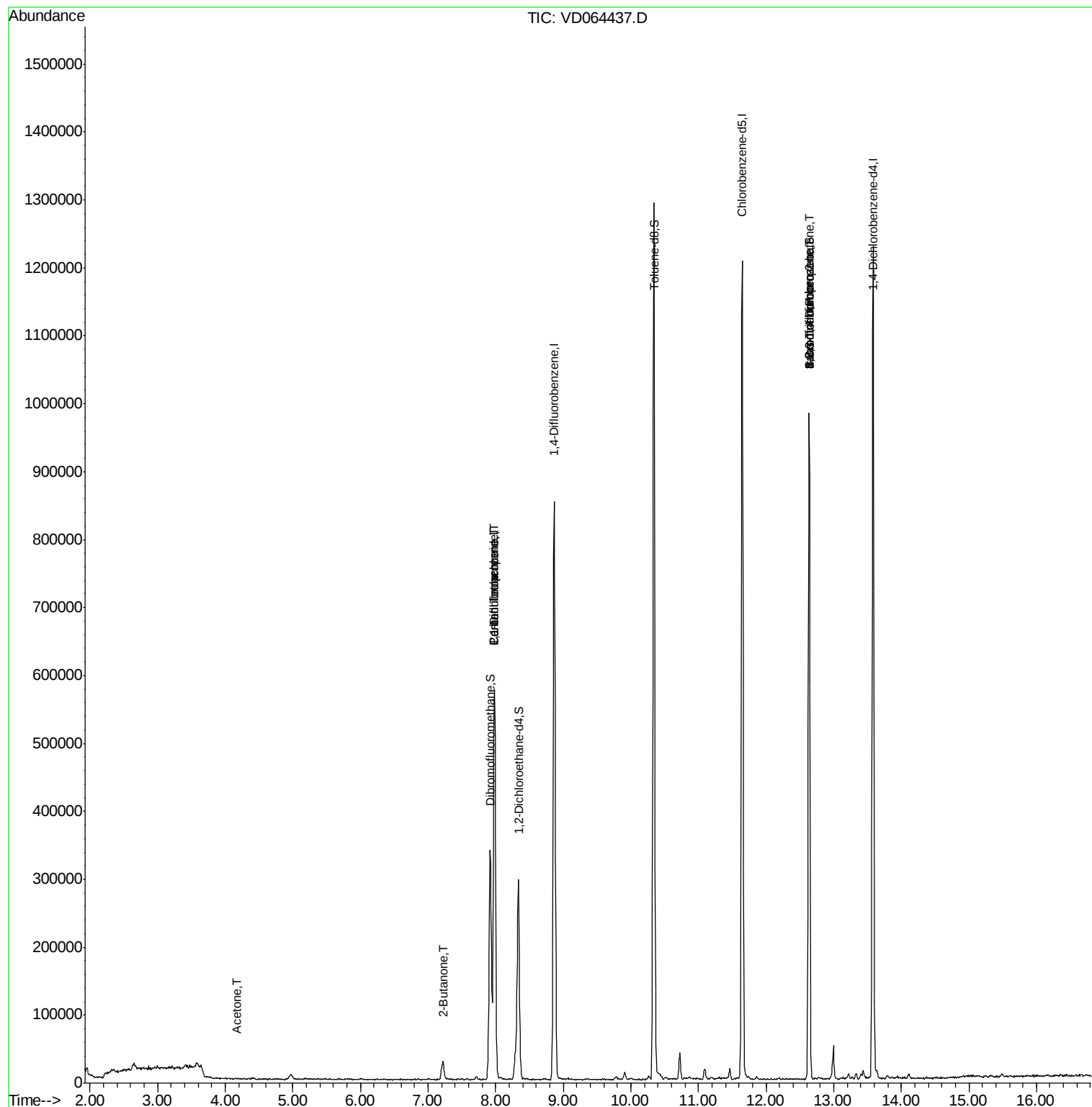
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	2458	2.842	ug/l #	47
20) Methylene Chloride	4.97	84	5372	Below Cal	#	84
25) 2-Butanone	7.23	43	1897	1.551	ug/l #	49
31) Cyclohexane	7.97	56	9336	Below Cal	#	24
36) 1,1-Dichloropropene	7.98	75	32651	4.679	ug/l #	49
38) Carbon Tetrachloride	7.98	117	42529	5.775	ug/l #	15
71) Bromoform	12.64	173	3278	1.022	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	153411	56.988	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	153411	124.264	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.44	75	139	Below Cal	#	1

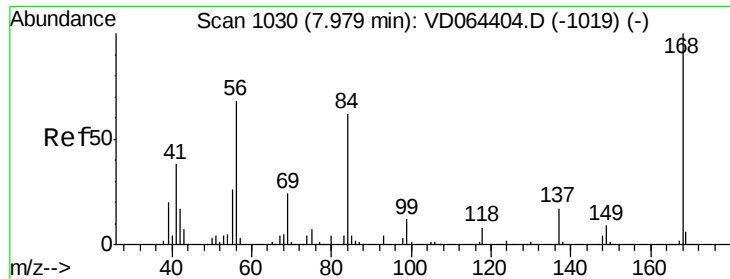
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
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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: VD064437.D

Acq: 05 Dec 2019 15:36

Instrument :

MSVOA_D

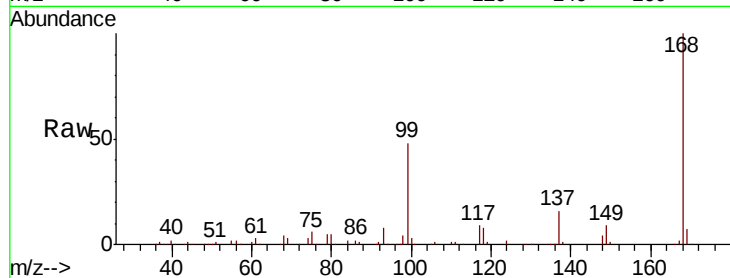
ClientSampleId :

Tot Ion:168 Resp: 472761

Ion Ratio Lower Upper

168 100

99 48.3 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

200000

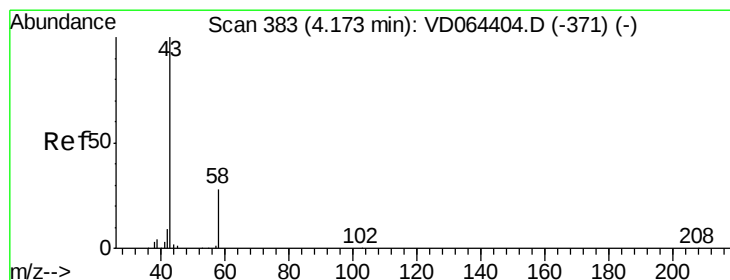
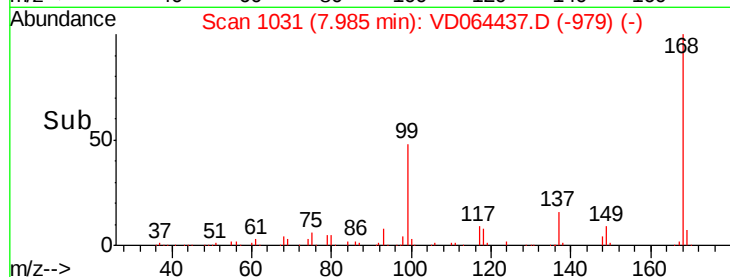
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.842 ug/l

RT: 4.17 min Scan# 383

Delta R.T. -0.00 min

Lab File: VD064437.D

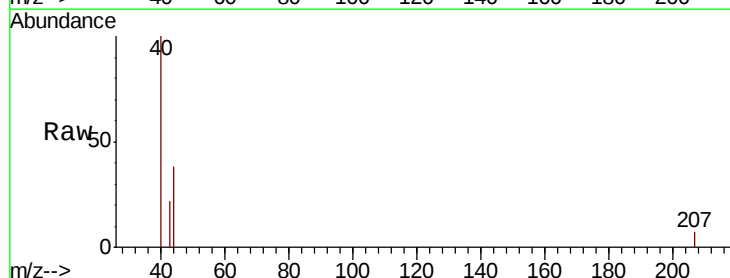
Acq: 05 Dec 2019 15:36

Tgt Ion: 43 Resp: 2458

Ion Ratio Lower Upper

43 100

58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

1000

800

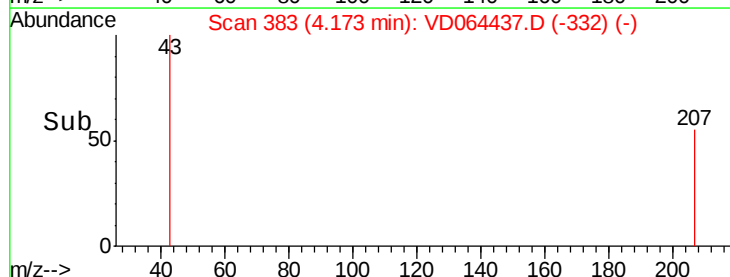
600

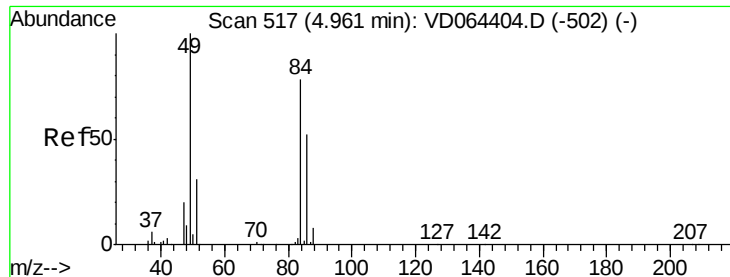
400

200

0

Time-->

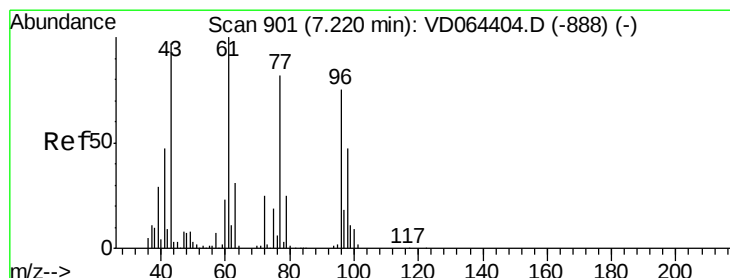
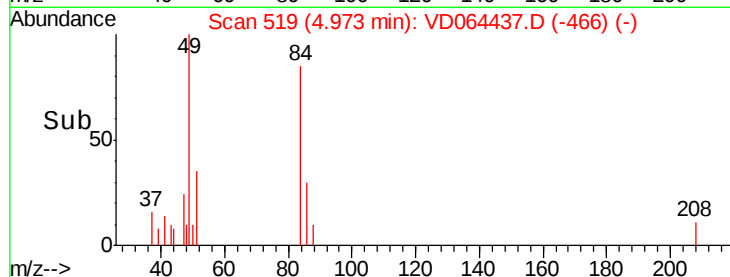
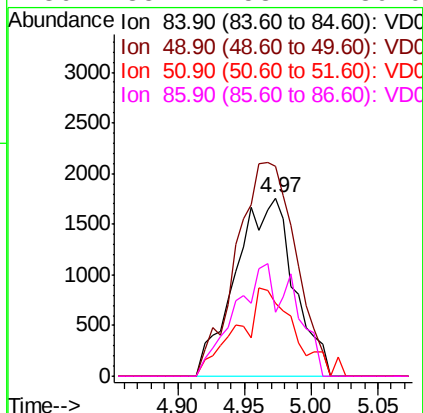
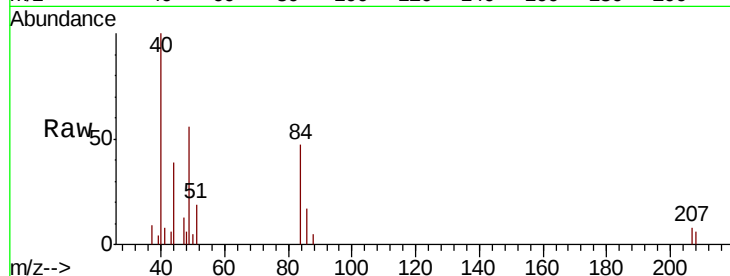




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064437.D
Acq: 05 Dec 2019 15:36

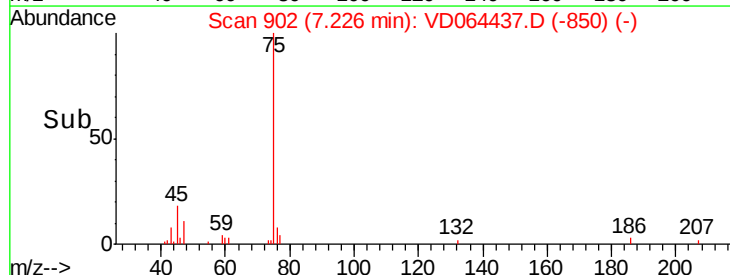
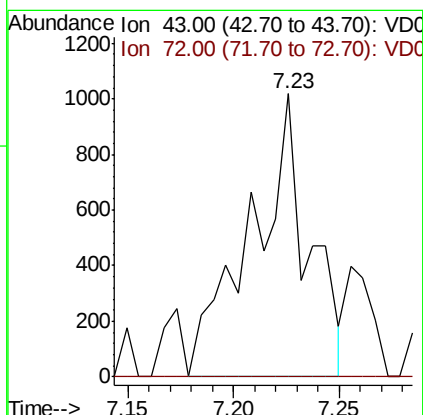
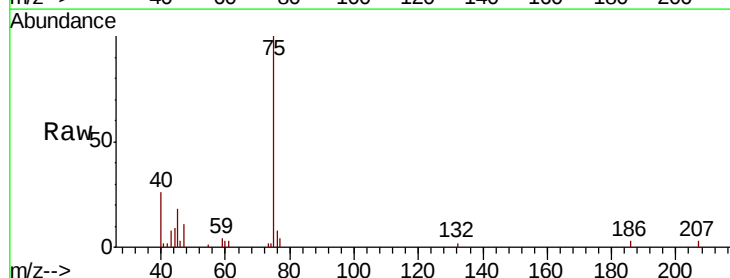
Instrument :
MSVOA_D
ClientSampleId :

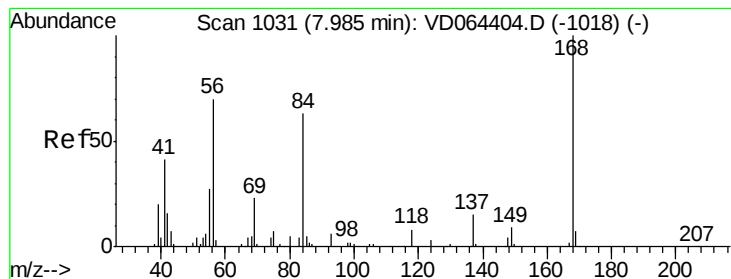
Tot Ion: 84 Resp: 5372
Ion Ratio Lower Upper
84 100
49 117.9 102.6 153.8
51 40.8 32.0 48.0
86 35.7 53.4 80.0#



#25
2-Butanone
Concen: 1.551 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064437.D
Acq: 05 Dec 2019 15:36

Tgt Ion: 43 Resp: 1897
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#





#31

Cyclohexane

Concen: Below Cal

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD064437.D

Acq: 05 Dec 2019 15:36

Instrument :

MSVOA_D

ClientSampled :

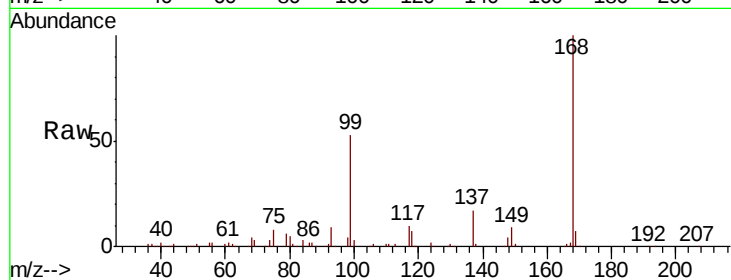
Tot Ion: 56 Resp: 9336

Ion Ratio Lower Upper

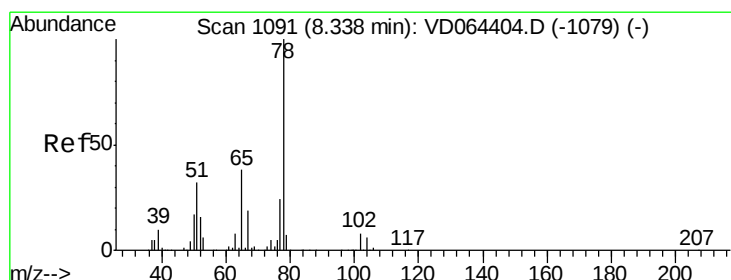
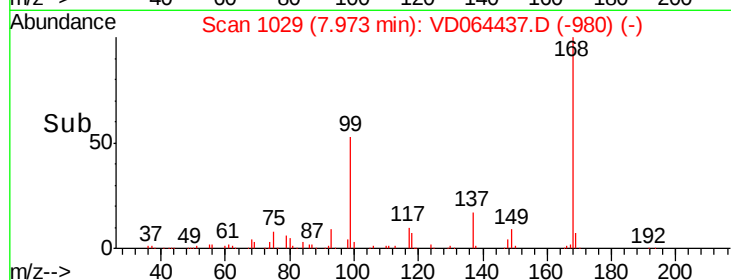
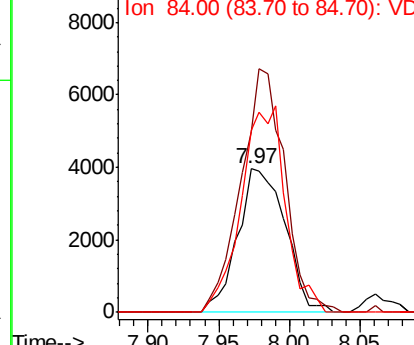
56 100

69 126.2 26.2 39.4#

84 127.2 70.3 105.5#



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



#33

1,2-Dichloroethane-d4

Concen: 53.402 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064437.D

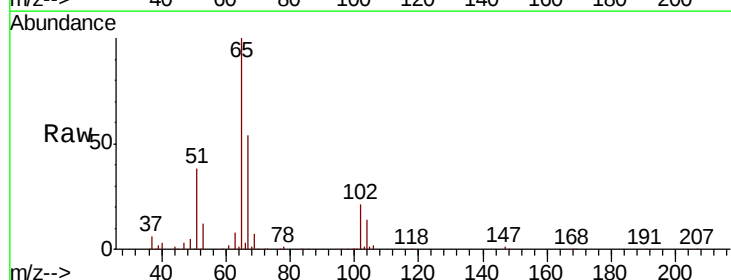
Acq: 05 Dec 2019 15:36

Tgt Ion: 65 Resp: 228516

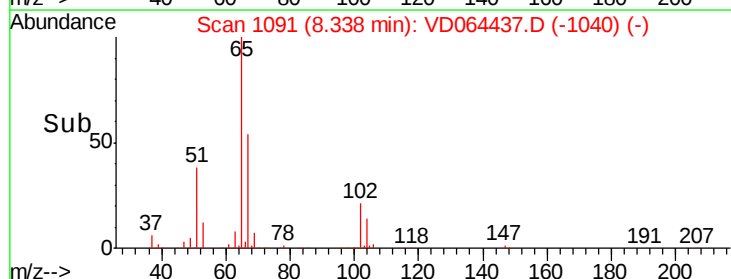
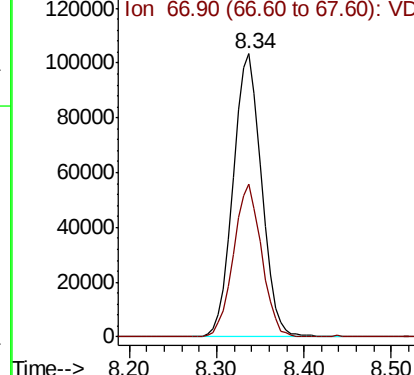
Ion Ratio Lower Upper

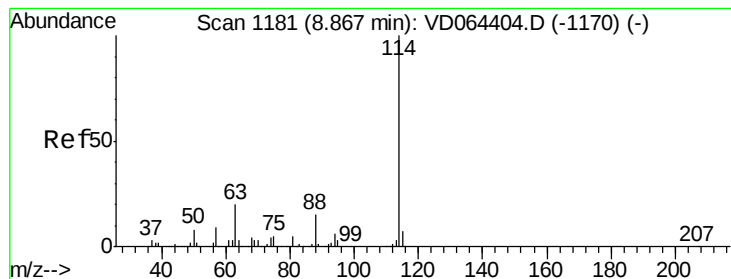
65 100

67 53.0 0.0 102.0



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064437.D

Acq: 05 Dec 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

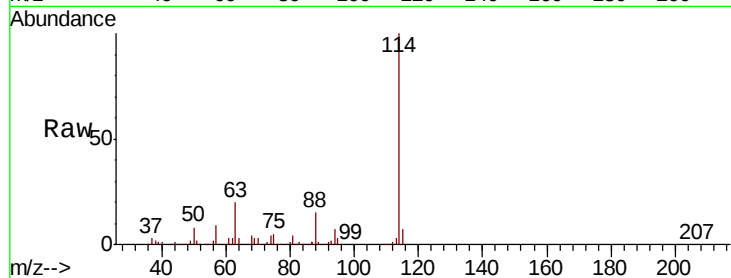
Tot Ion:114 Resp: 737691

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

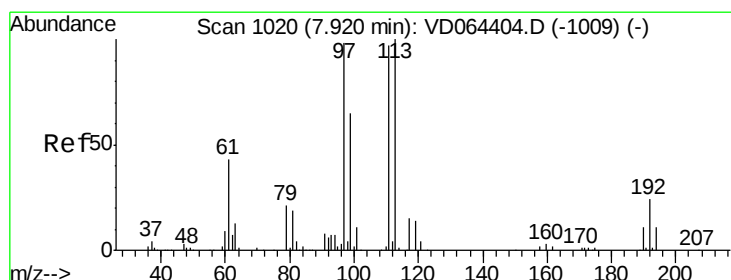
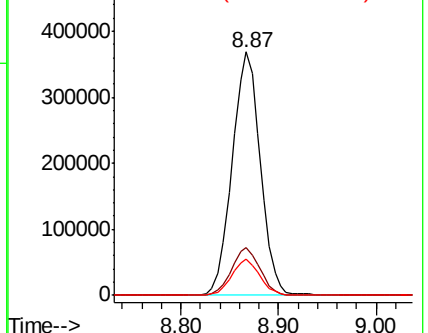
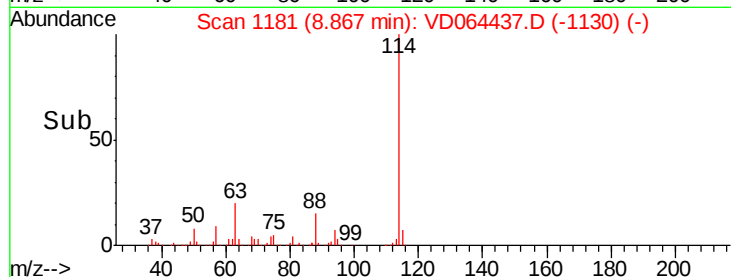
88 14.7 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 51.118 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064437.D

Acq: 05 Dec 2019 15:36

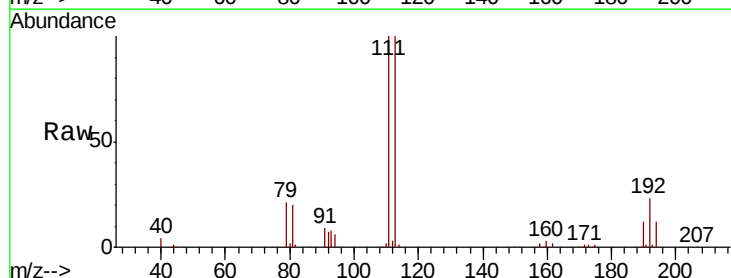
Tgt Ion:113 Resp: 237589

Ion Ratio Lower Upper

113 100

111 102.1 79.4 119.2

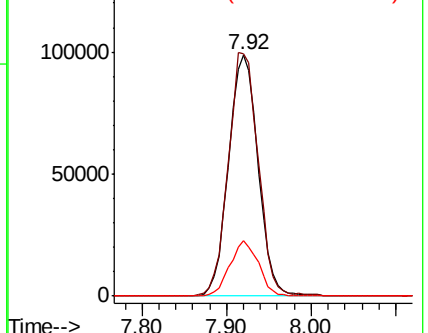
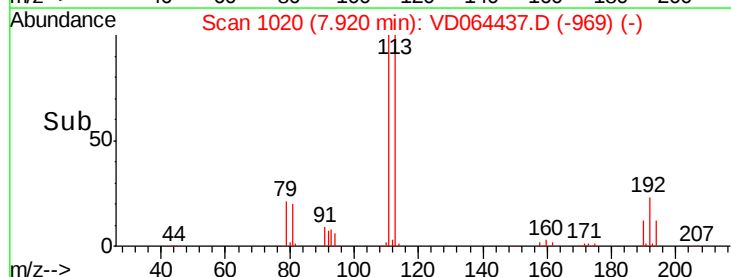
192 22.1 18.6 28.0

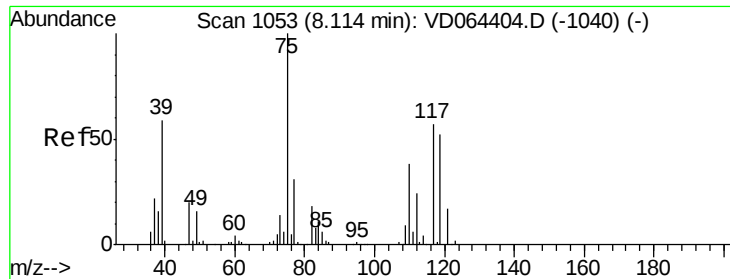


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

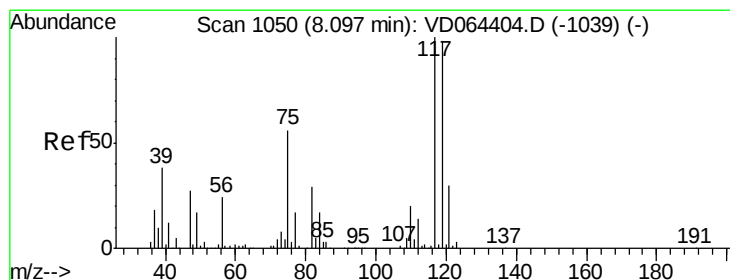
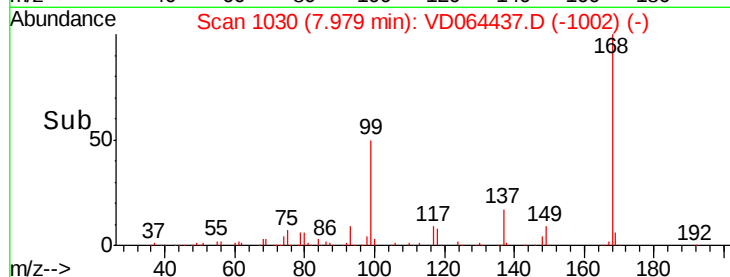
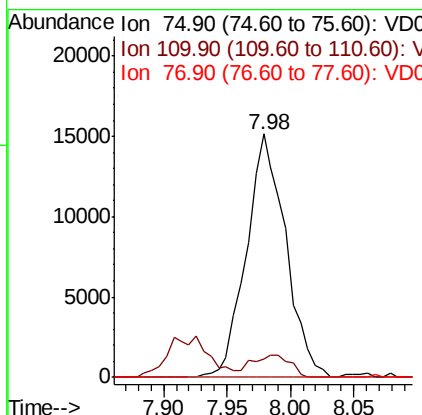
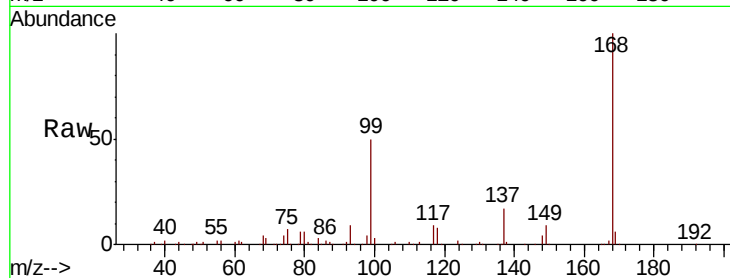




#36
 1,1-Dichloropropene
 Concen: 4.679 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064437.D
 Acq: 05 Dec 2019 15:36

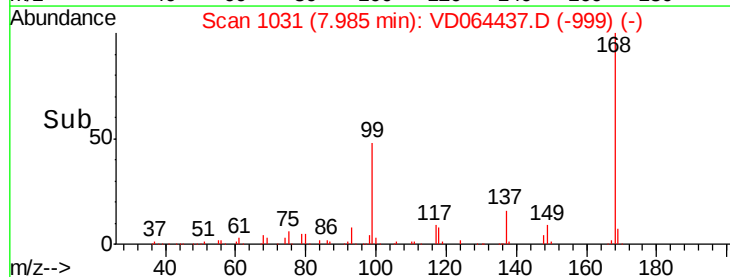
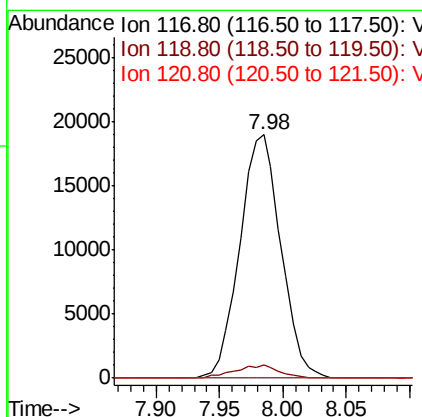
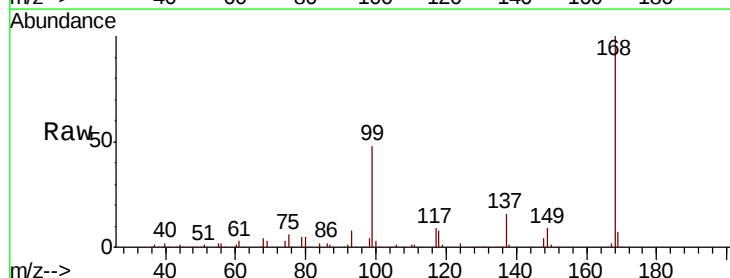
Instrument :
 MSVOA_D
 ClientSampleId :

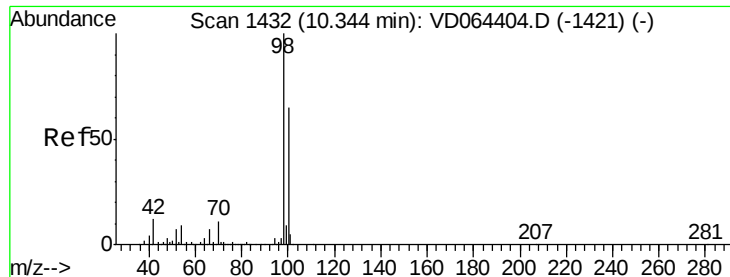
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.6	55.8#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.775 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD064437.D
 Acq: 05 Dec 2019 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	78.8	118.2#
121	0.0	24.2	36.2#

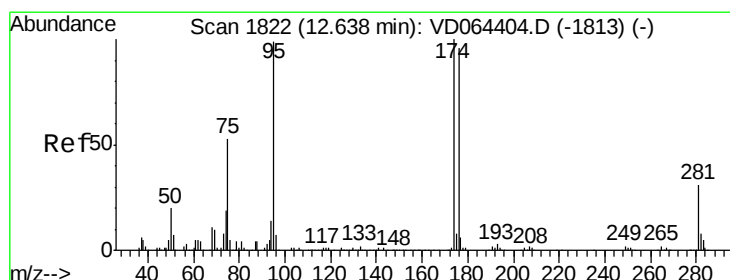
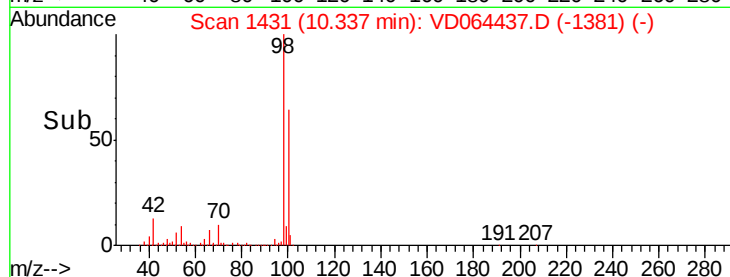
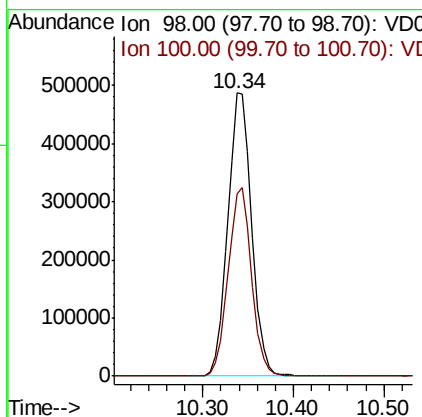
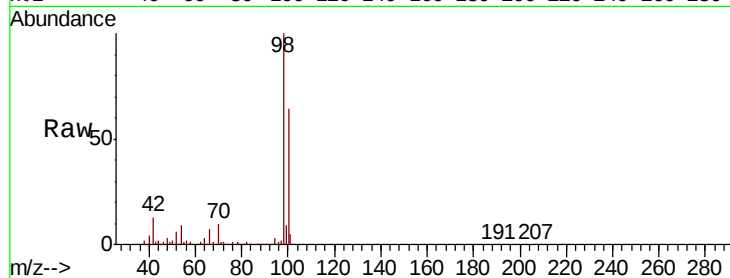




#50
Toluene-d8
Concen: 50.818 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064437.D
Acq: 05 Dec 2019 15:36

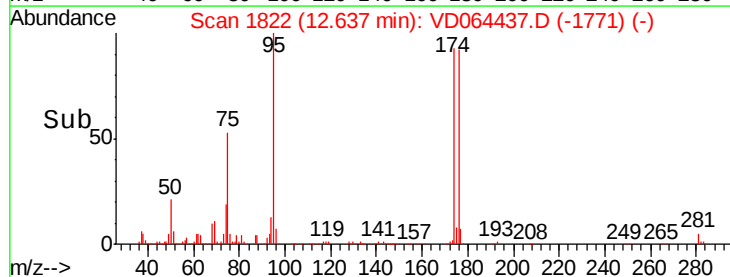
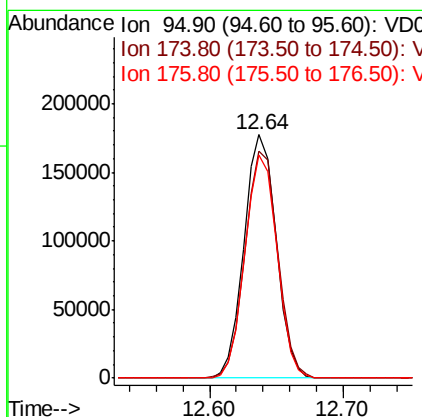
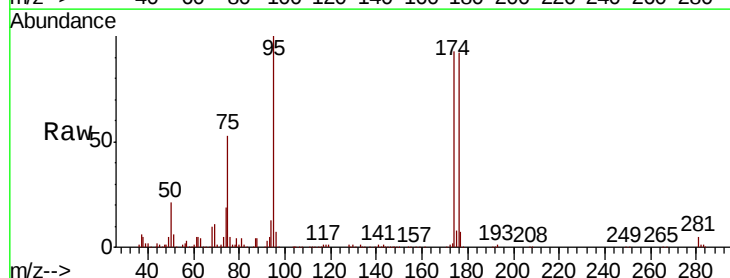
Instrument :
MSVOA_D
ClientSampled :

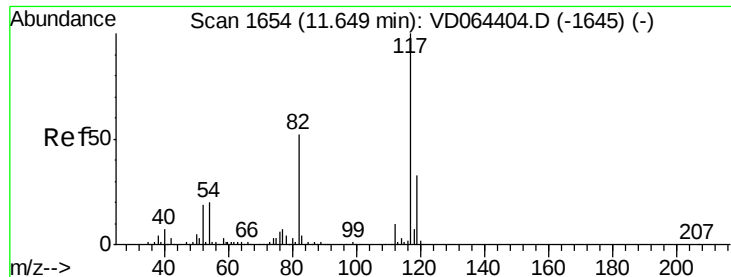
Tot Ion: 98 Resp: 889718
Ion Ratio Lower Upper
98 100
100 65.4 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 52.467 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064437.D
Acq: 05 Dec 2019 15:36

Tgt Ion: 95 Resp: 295208
Ion Ratio Lower Upper
95 100
174 94.5 0.0 197.2
176 91.4 0.0 189.6

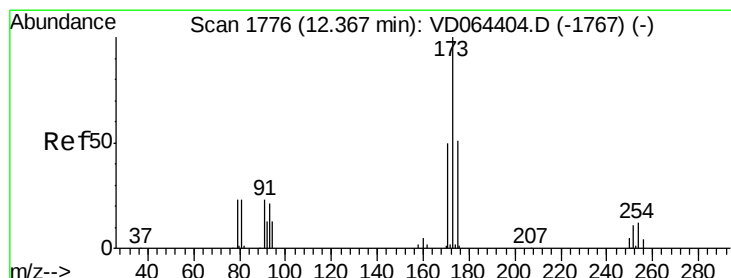
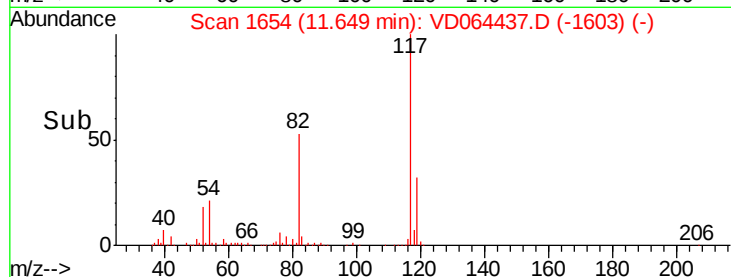
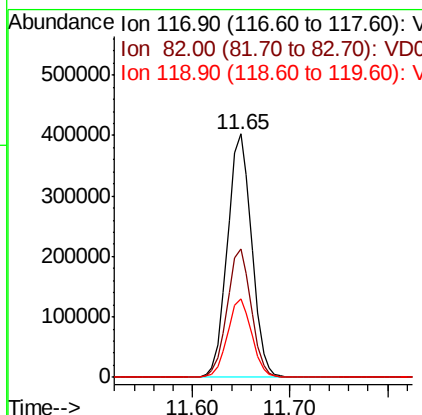
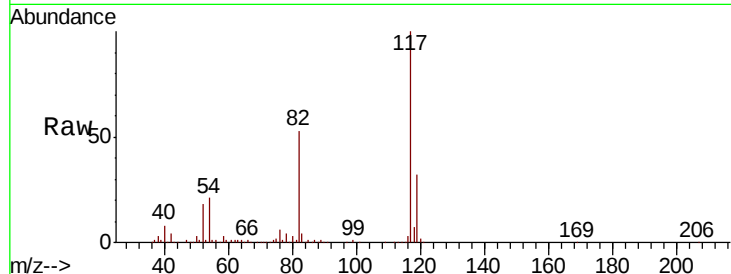




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064437.D
Acq: 05 Dec 2019 15:36

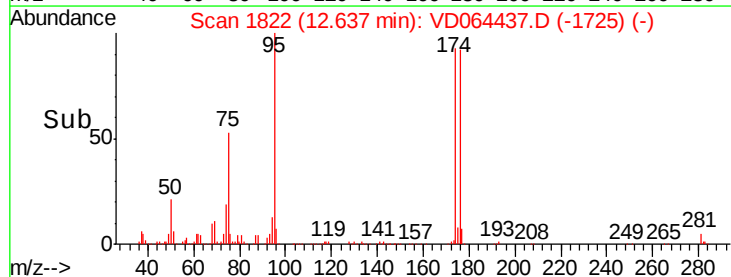
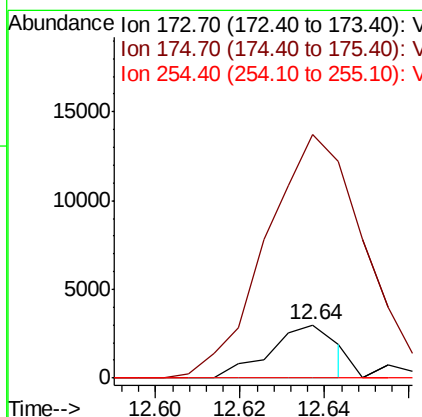
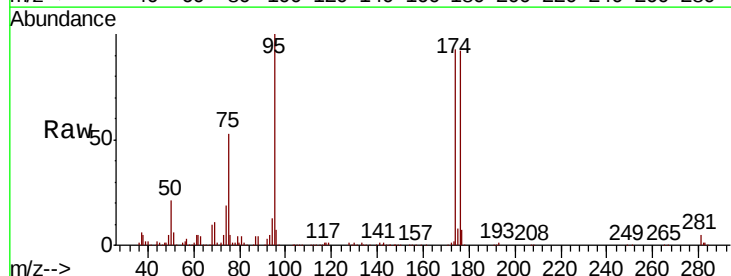
Instrument :
MSVOA_D
ClientSampleId :

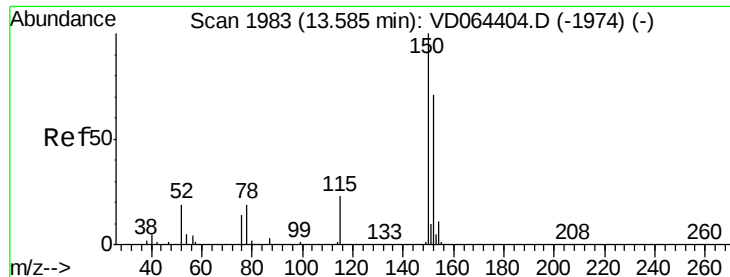
Tot Ion:117 Resp: 694362
Ion Ratio Lower Upper
117 100
82 52.5 41.4 62.2
119 32.4 26.2 39.2



#71
Bromoform
Concen: 1.022 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.27 min
Lab File: VD064437.D
Acq: 05 Dec 2019 15:36

Tgt Ion:173 Resp: 3278
Ion Ratio Lower Upper
173 100
175 528.4 25.3 75.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064437.D

Acq: 05 Dec 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

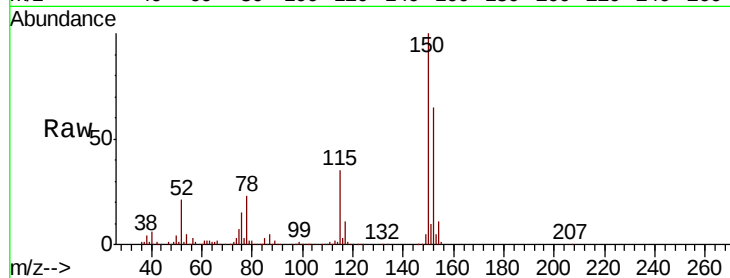
Tot Ion:152 Resp: 327346

Ion Ratio Lower Upper

152 100

115 54.7 26.7 80.1

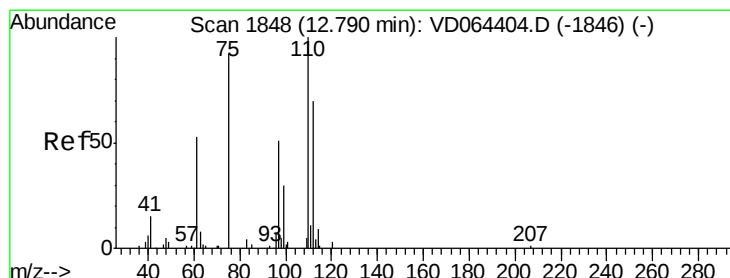
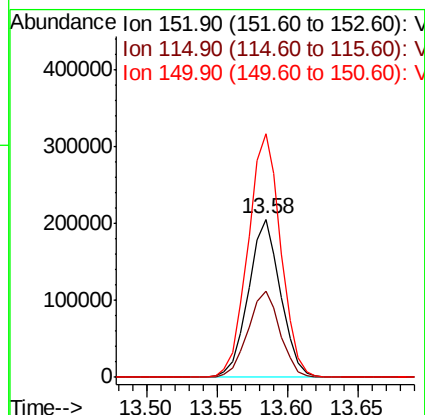
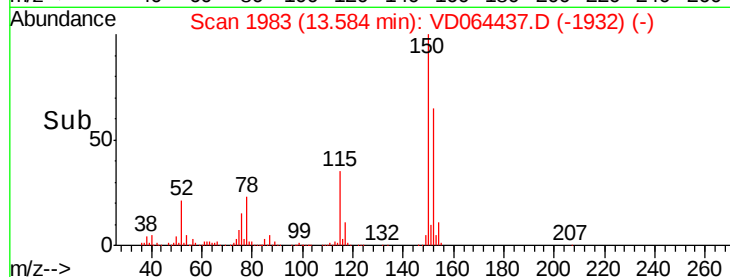
150 157.3 0.0 347.2



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: 56.988 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064437.D

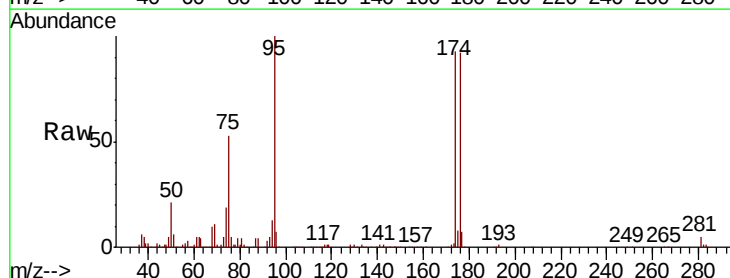
Acq: 05 Dec 2019 15:36

Tgt Ion: 75 Resp: 153411

Ion Ratio Lower Upper

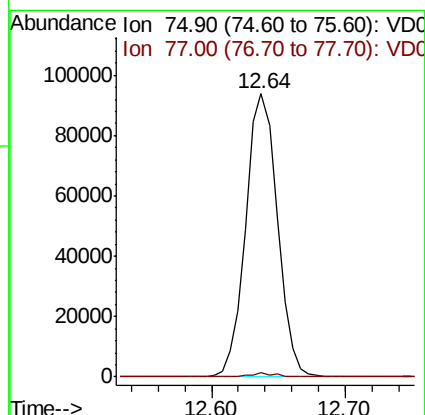
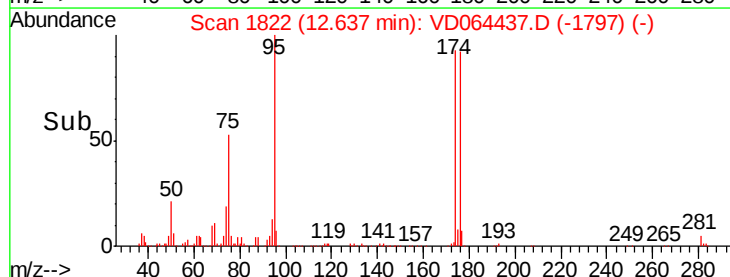
75 100

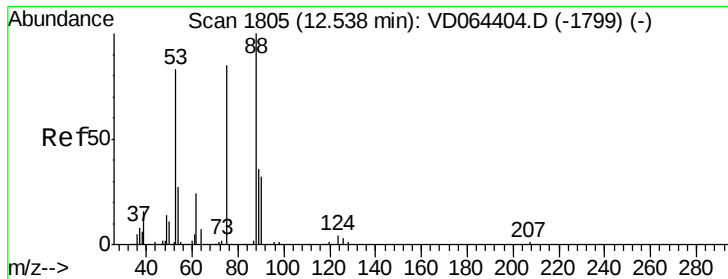
77 1.3 0.0 0.0#



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: 124.264 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064437.D

Acq: 05 Dec 2019 15:36

Instrument :

MSVOA_D

ClientSampleId :

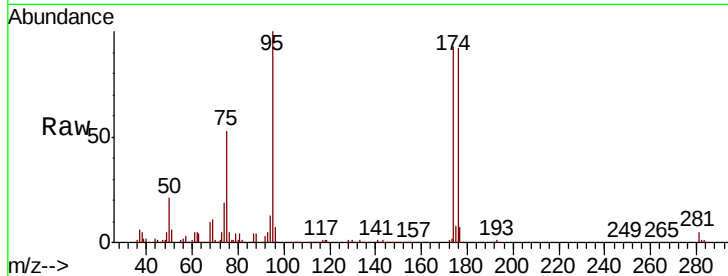
Tot Ion: 75 Resp: 153411

Ion Ratio Lower Upper

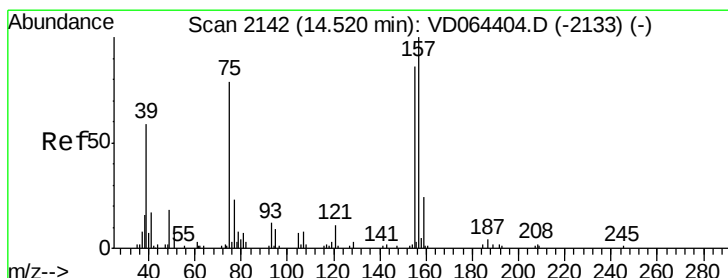
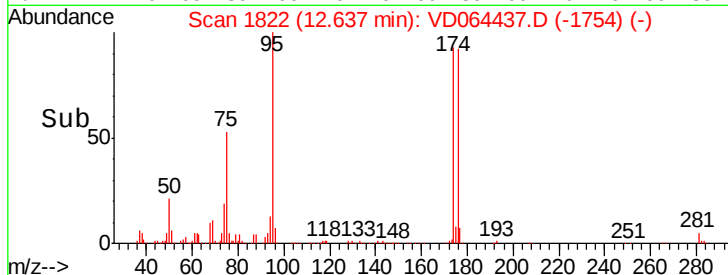
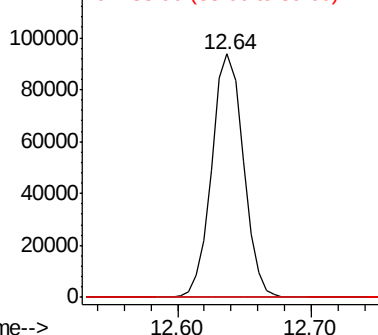
75 100

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: 14.44 min Scan# 2128

Delta R.T. -0.08 min

Lab File: VD064437.D

Acq: 05 Dec 2019 15:36

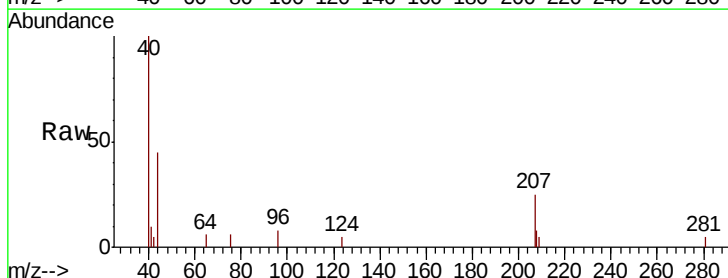
Tgt Ion: 75 Resp: 139

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

