

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064387.D
 Acq On : 26 Nov 2019 16:43
 Operator : VA/SY
 Sample : K6024-04
 Misc : 6.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 27 05:51:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	600838	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	862917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	766365	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	358279	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	240871	48.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.48%	
35) Dibromofluoromethane	7.92	113	257467	51.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.96%	
50) Toluene-d8	10.34	98	1008261	53.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.92%	
62) 4-Bromofluorobenzene	12.64	95	317224	49.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.04%	

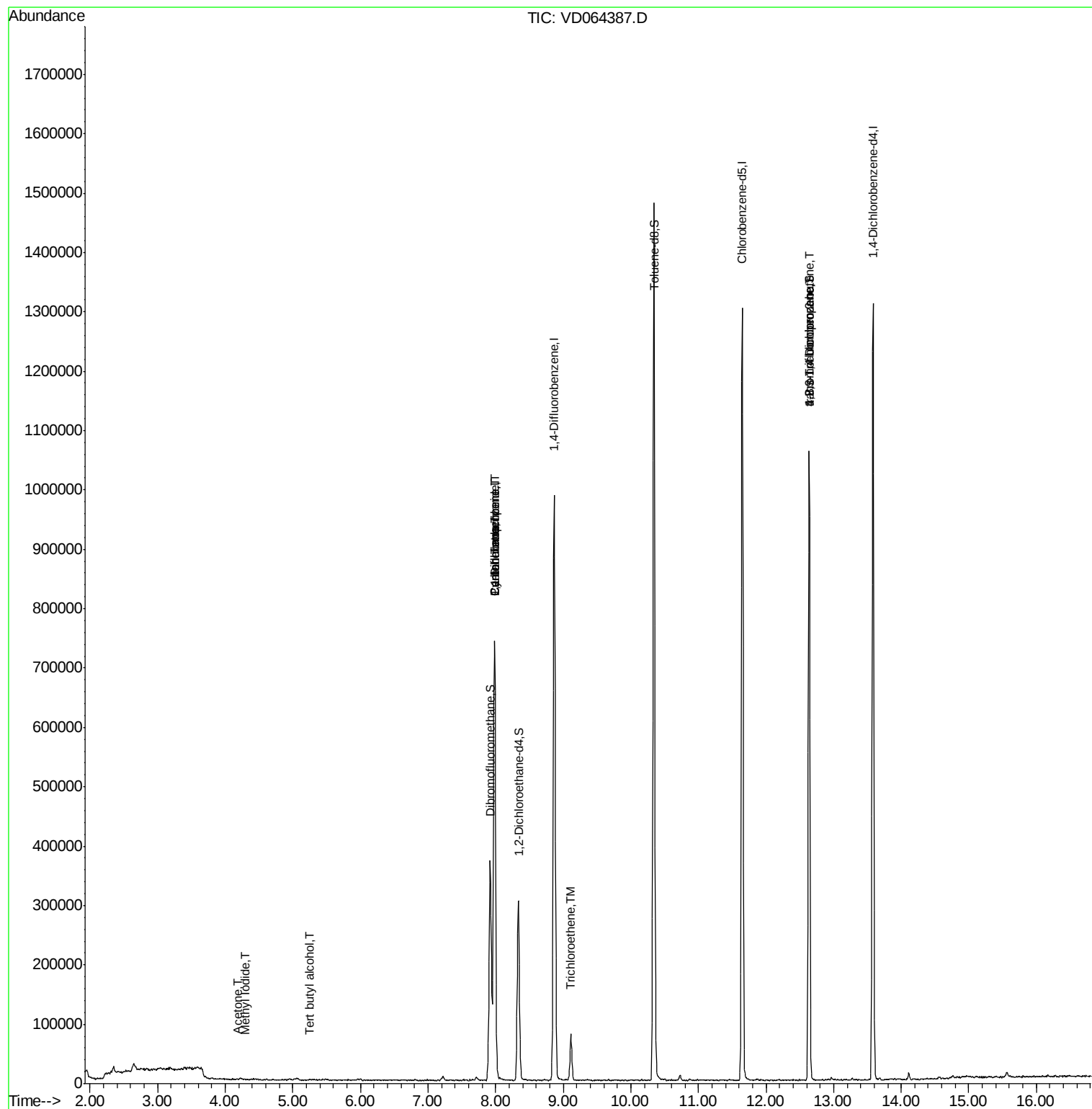
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	148	2.055	ug/l #	41
11) Tert butyl alcohol	5.24	59	919	2.663	ug/l	95
16) Acetone	4.18	43	1801	1.538	ug/l #	86
31) Cyclohexane	7.98	56	11766	1.213	ug/l #	8
36) 1,1-Dichloropropene	7.99	75	41998	5.273	ug/l #	50
38) Carbon Tetrachloride	7.98	117	56263	6.602	ug/l #	15
44) Trichloroethene	9.11	130	27742	4.247	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	168321	58.327	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	168321	115.860	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064387.D

Acq: 26 Nov 2019 16:43

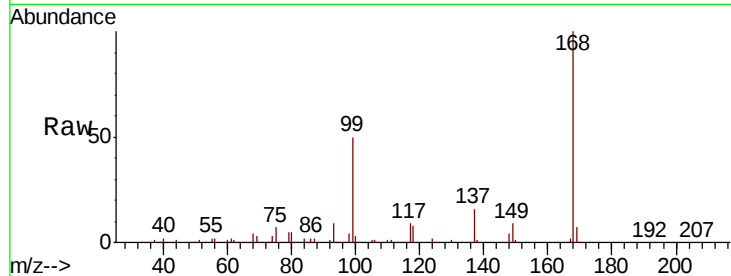
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 600838

Ion Ratio Lower Upper

168 100

99 50.4 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.99

300000

250000

200000

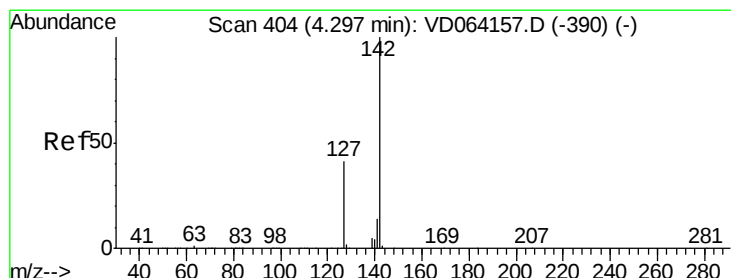
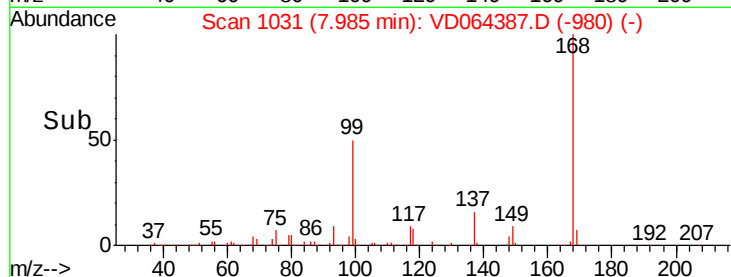
150000

100000

50000

0

Time-->



#10

Methyl Iodide

Concen: 2.055 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064387.D

Acq: 26 Nov 2019 16:43

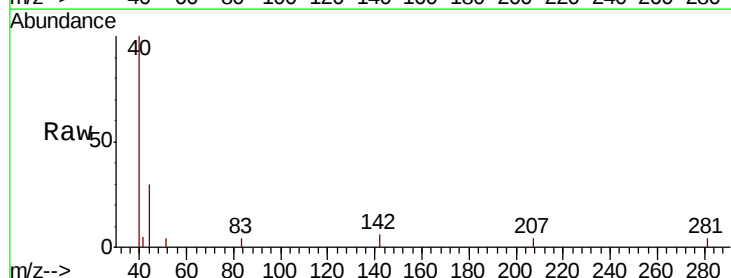
Tgt Ion:142 Resp: 148

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.30

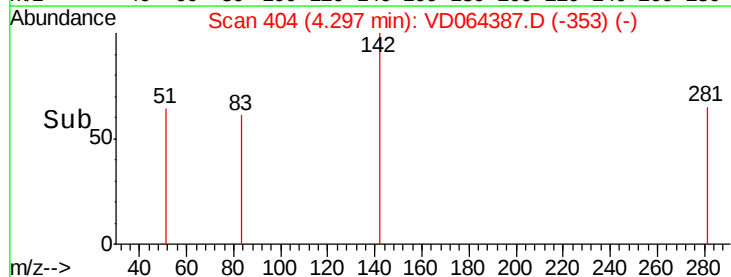
300

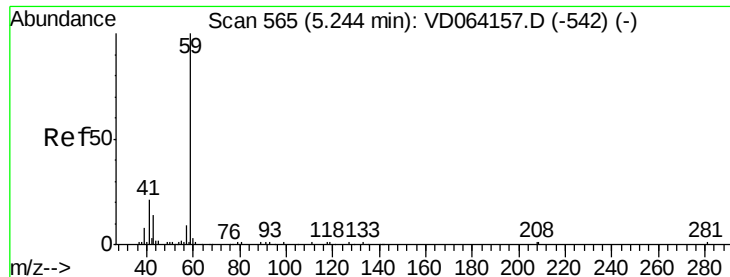
200

100

0

Time-->

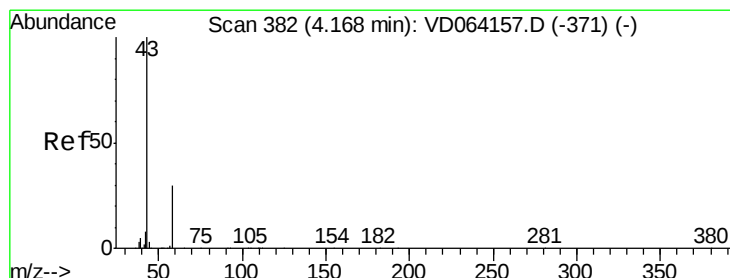
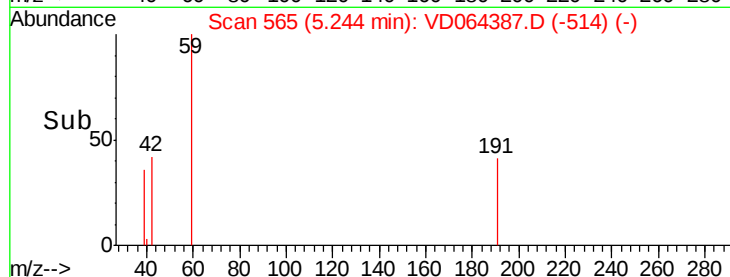
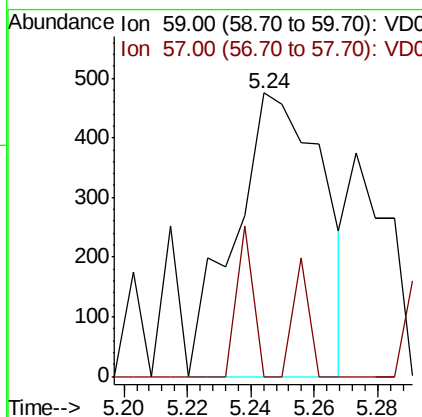
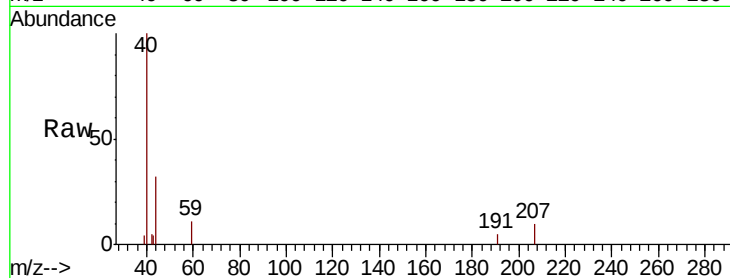




#11
Tert butyl alcohol
Concen: 2.663 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064387.D
Acq: 26 Nov 2019 16:43

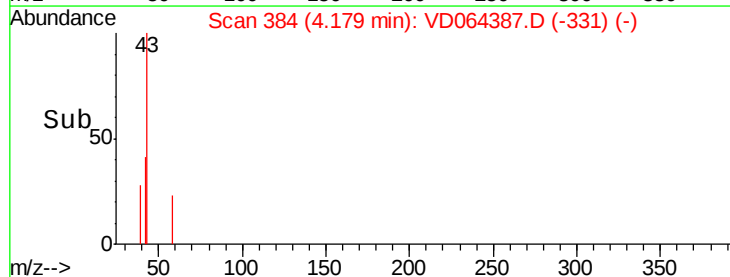
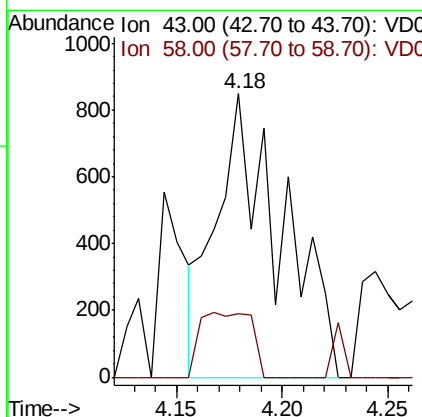
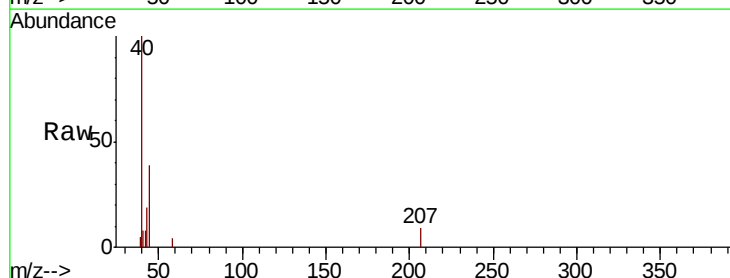
Instrument :
MSVOA_D
ClientSampled :

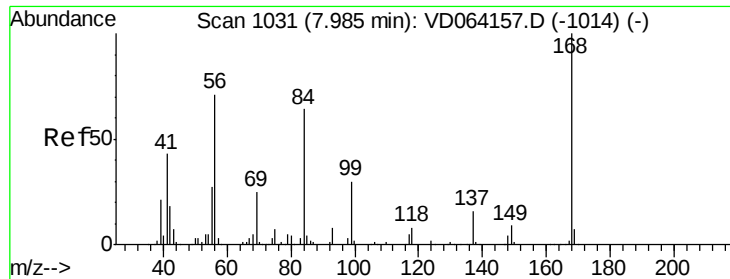
Tot Ion: 59 Resp: 919
Ion Ratio Lower Upper
59 100
57 9.7 9.4 14.2



#16
Acetone
Concen: 1.538 ug/l
RT: 4.18 min Scan# 384
Delta R.T. 0.01 min
Lab File: VD064387.D
Acq: 26 Nov 2019 16:43

Tgt Ion: 43 Resp: 1801
Ion Ratio Lower Upper
43 100
58 22.5 24.1 36.1#

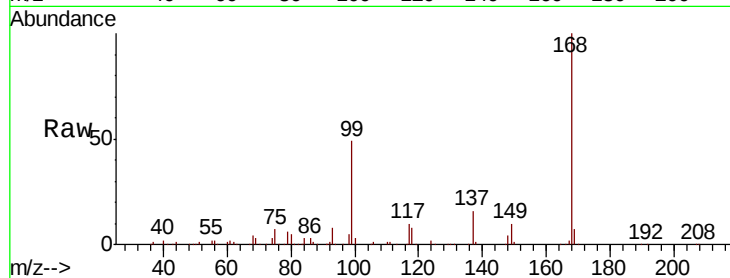




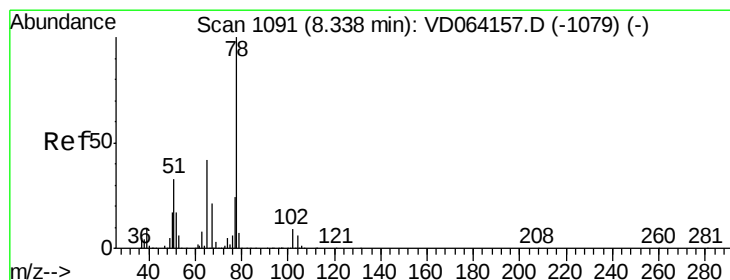
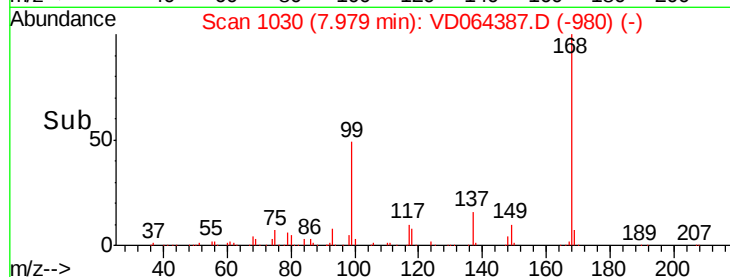
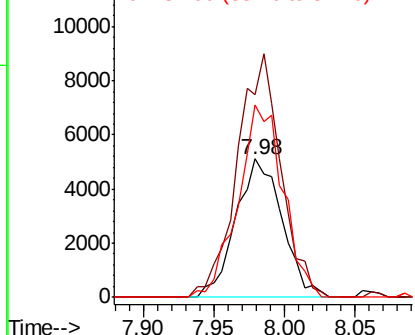
#31
Cyclohexane
Concen: 1.213 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064387.D
Acq: 26 Nov 2019 16:43

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 11766
Ion Ratio Lower Upper
56 100
69 146.4 28.2 42.4#
84 139.4 71.8 107.6#

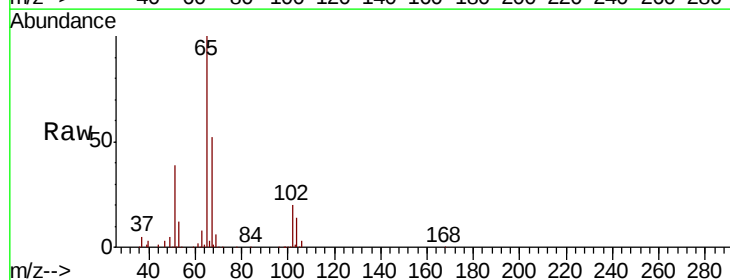


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

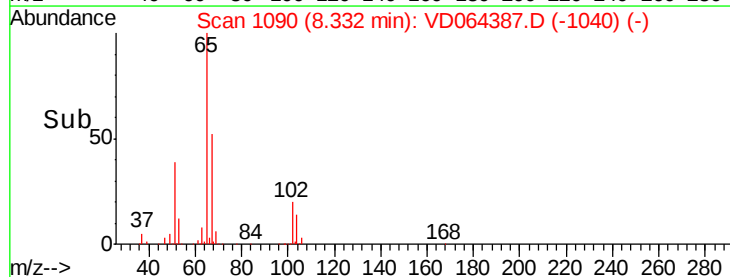
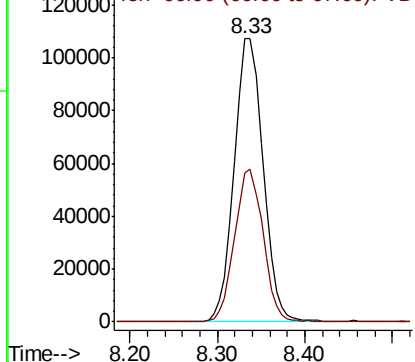


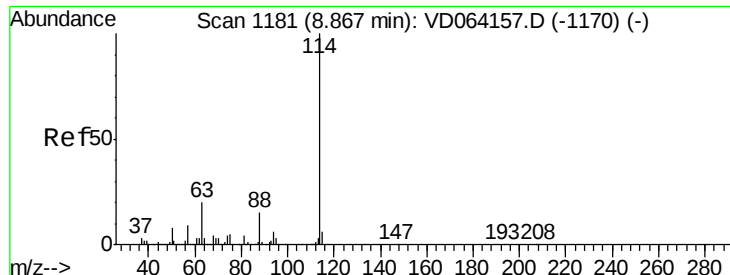
#33
1,2-Dichloroethane-d4
Concen: 48.744 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064387.D
Acq: 26 Nov 2019 16:43

Tgt Ion: 65 Resp: 240871
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.4



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

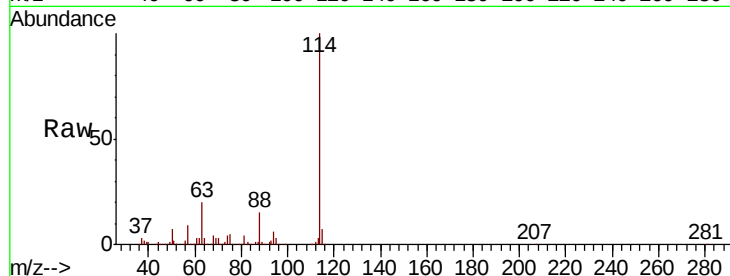




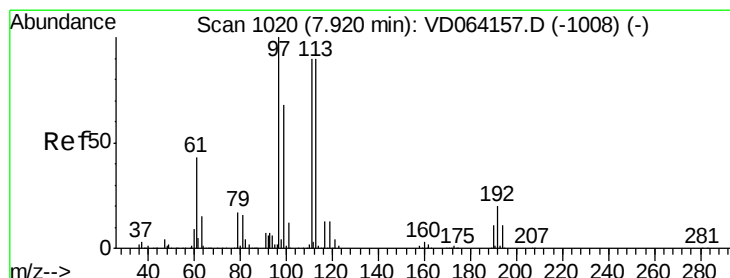
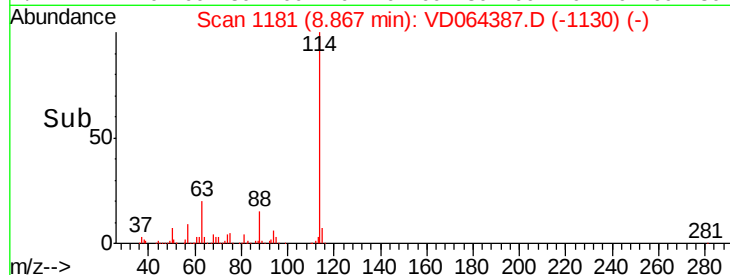
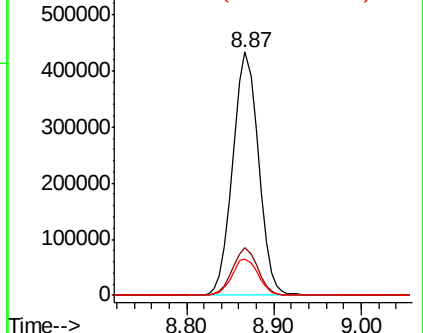
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064387.D
 Acq: 26 Nov 2019 16:43

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	15.0	0.0	30.2

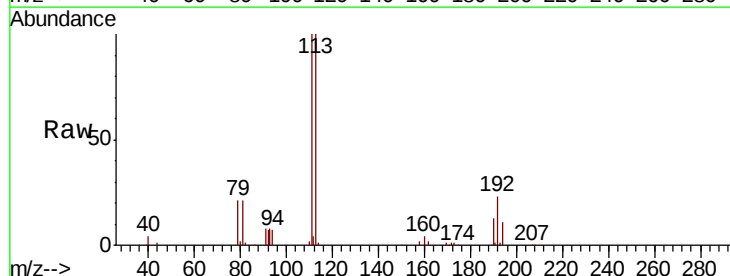


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

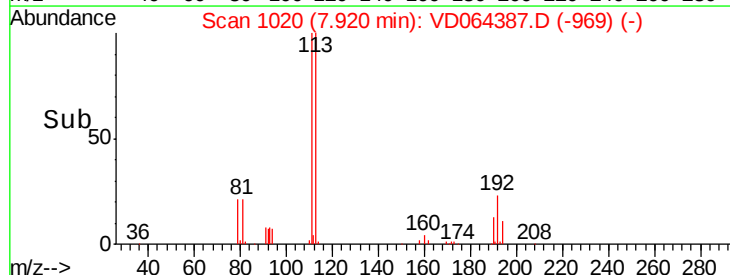
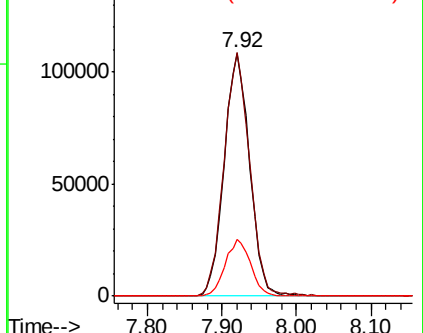


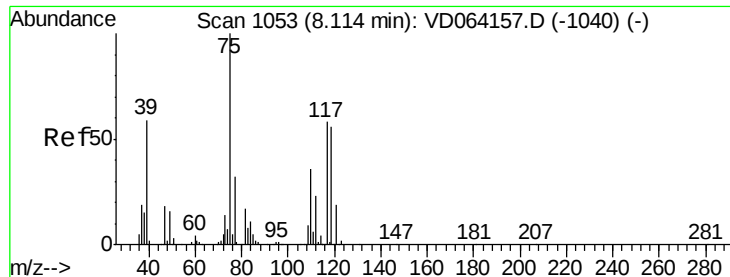
#35
 Dibromofluoromethane
 Concen: 51.979 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064387.D
 Acq: 26 Nov 2019 16:43

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.5	122.3
192	23.0	18.8	28.2



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: 5.273 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064387.D

Acq: 26 Nov 2019 16:43

Instrument :
MSVOA_D
ClientSampled :

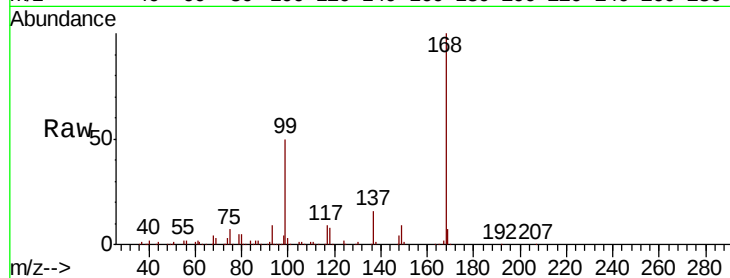
Tot Ion: 75 Resp: 41998

Ion Ratio Lower Upper

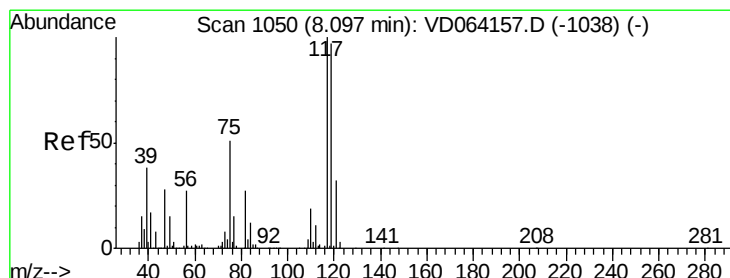
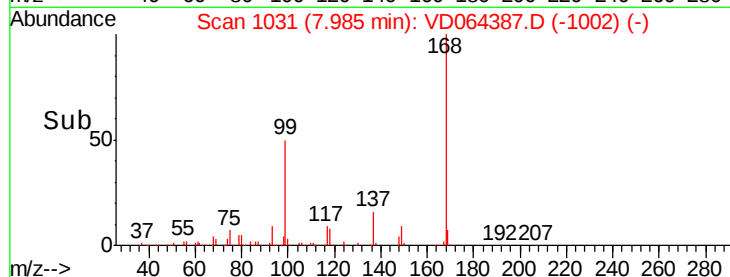
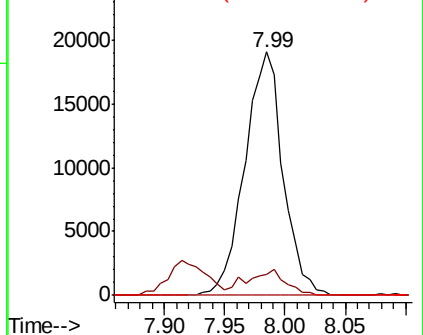
75 100

110 10.8 18.3 54.9#

77 0.0 25.0 37.6#



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: 6.602 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064387.D

Acq: 26 Nov 2019 16:43

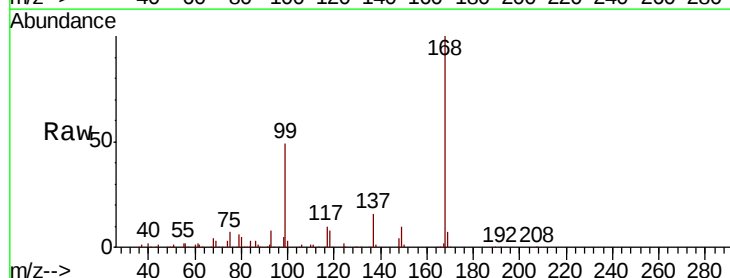
Tgt Ion: 117 Resp: 56263

Ion Ratio Lower Upper

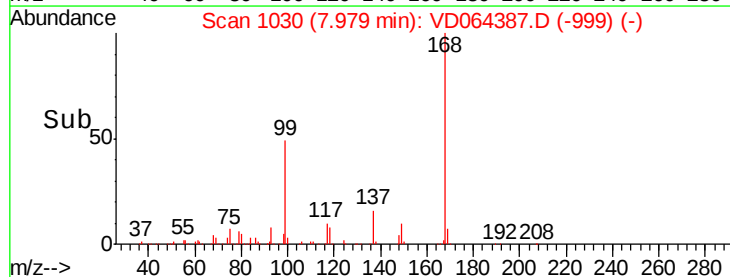
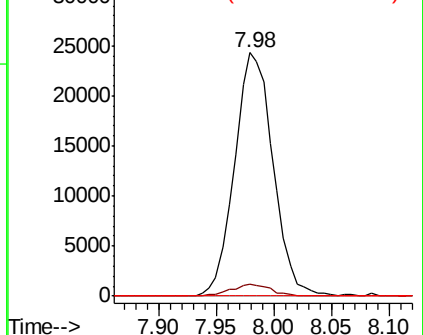
117 100

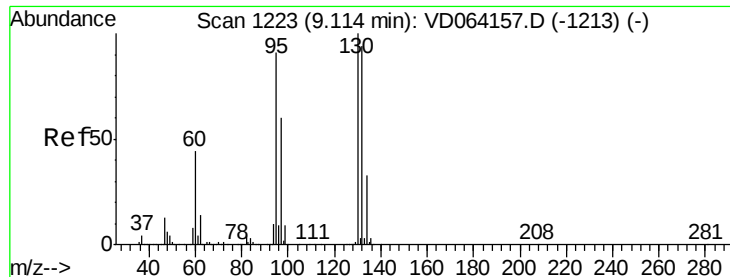
119 4.7 77.2 115.8#

121 0.0 25.5 38.3#



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





#44

Trichloroethene

Concen: 4.247 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064387.D

Acq: 26 Nov 2019 16:43

Instrument :

MSVOA_D

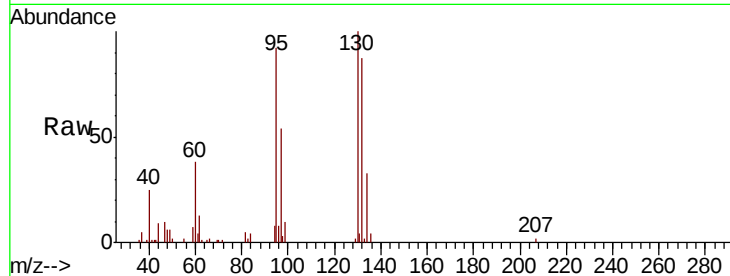
ClientSampleId :

Tot Ion:130 Resp: 27742

Ion Ratio Lower Upper

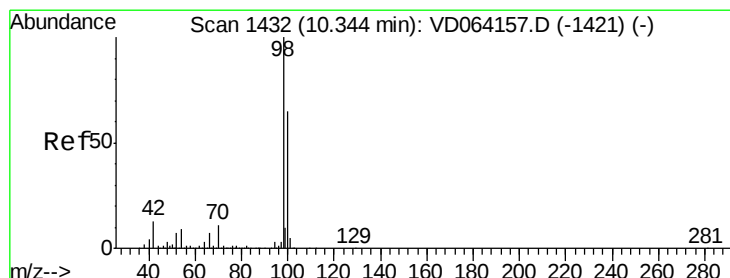
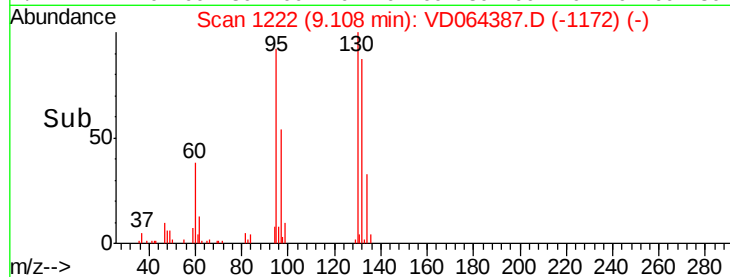
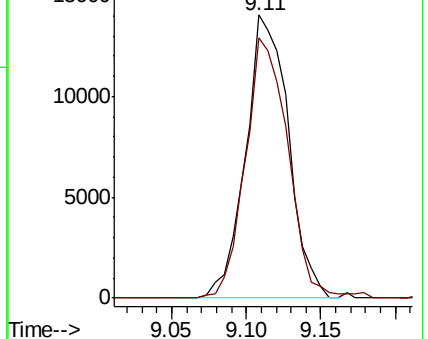
130 100

95 91.9 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V



#50

Toluene-d8

Concen: 53.958 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD064387.D

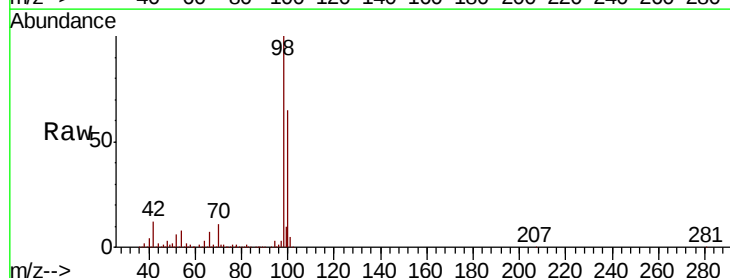
Acq: 26 Nov 2019 16:43

Tgt Ion: 98 Resp: 1008261

Ion Ratio Lower Upper

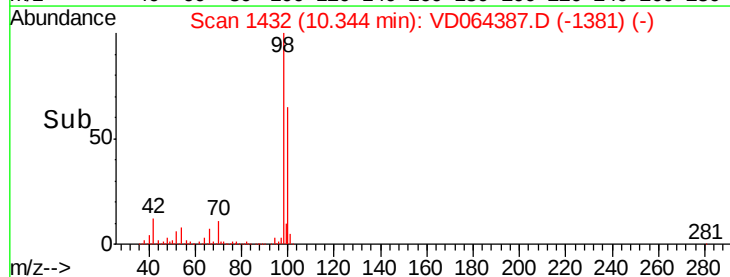
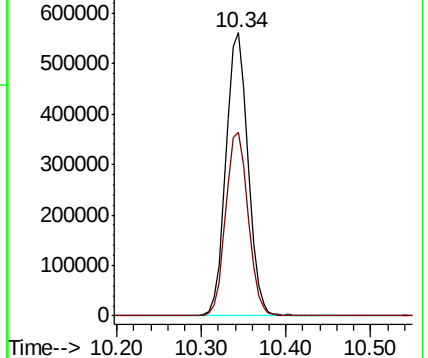
98 100

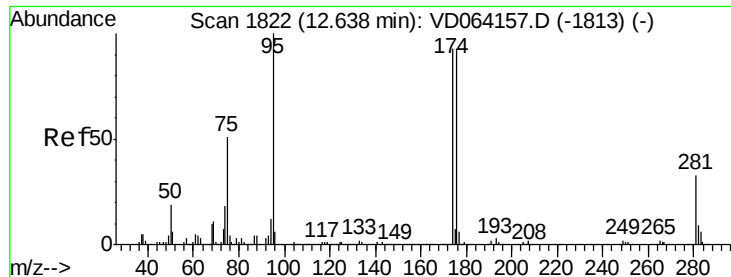
100 66.0 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

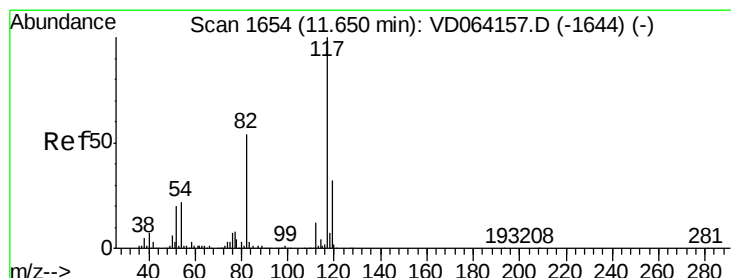
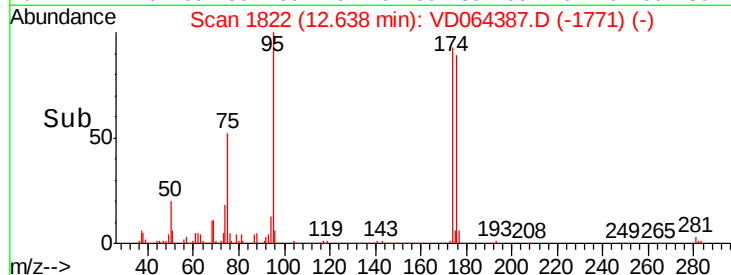
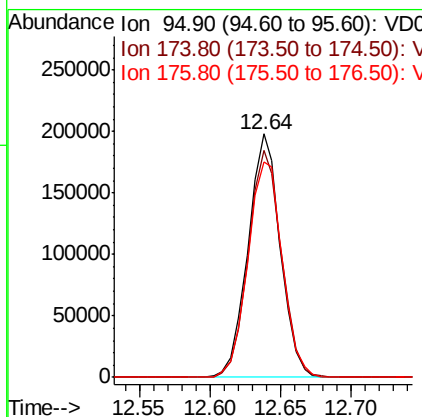
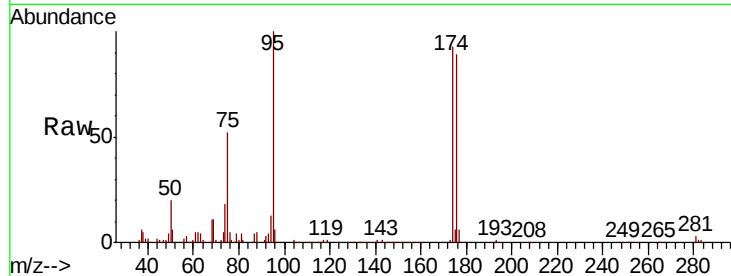




#62
4-Bromofluorobenzene
Concen: 49.022 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064387.D
Acq: 26 Nov 2019 16:43

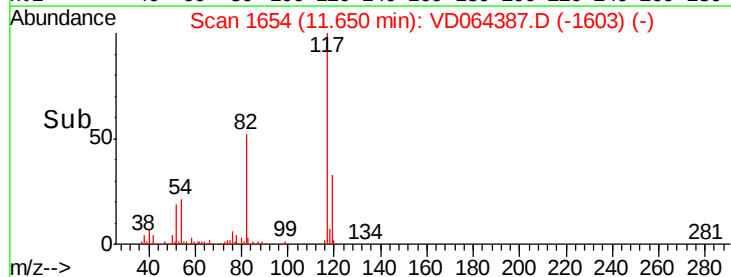
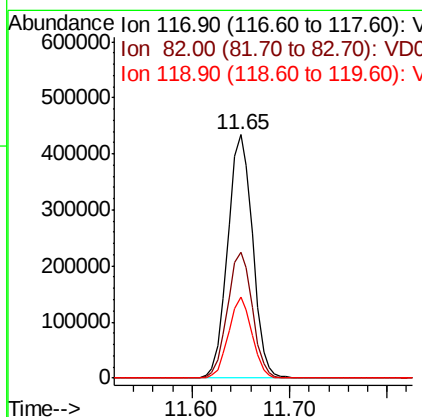
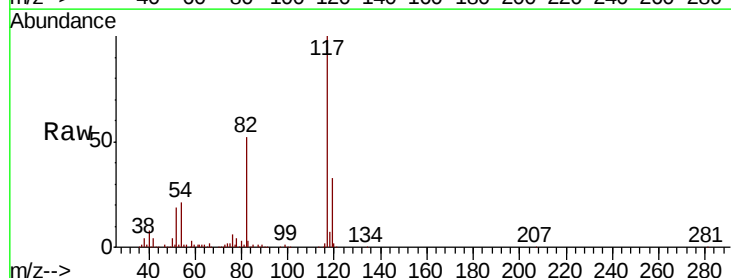
Instrument :
MSVOA_D
ClientSampleId :

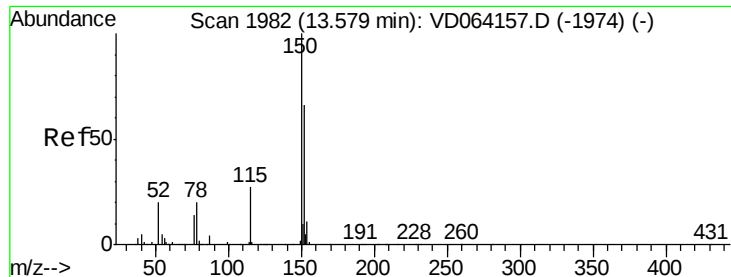
Tot Ion: 95 Resp: 317224
Ion Ratio Lower Upper
95 100
174 95.4 0.0 183.6
176 94.4 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064387.D
Acq: 26 Nov 2019 16:43

Tgt Ion: 117 Resp: 766365
Ion Ratio Lower Upper
117 100
82 51.8 42.8 64.2
119 33.1 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064387.D

Acq: 26 Nov 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

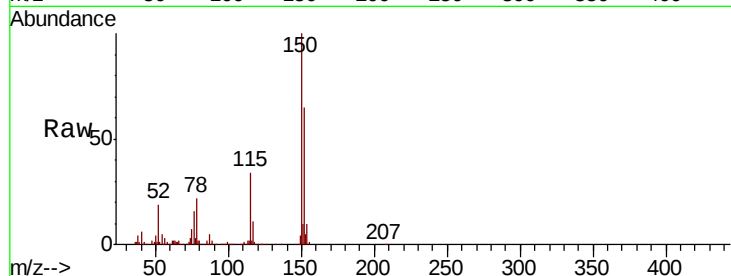
Tot Ion:152 Resp: 358279

Ion Ratio Lower Upper

152 100

115 54.8 27.4 82.2

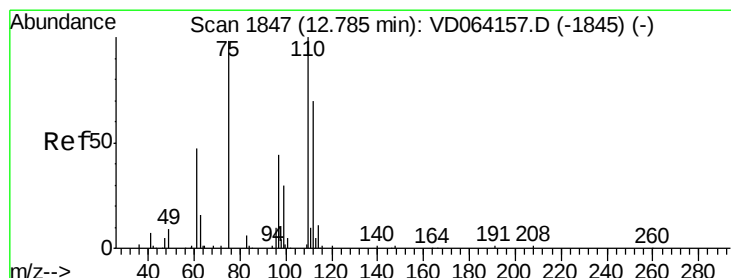
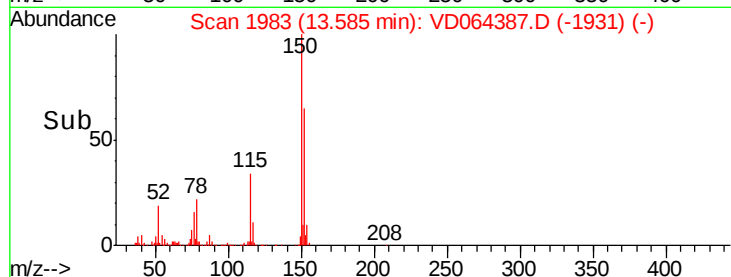
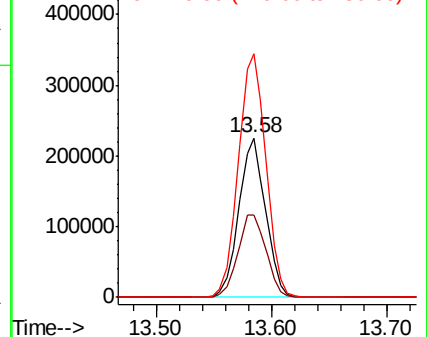
150 157.9 0.0 351.6



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: 58.327 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064387.D

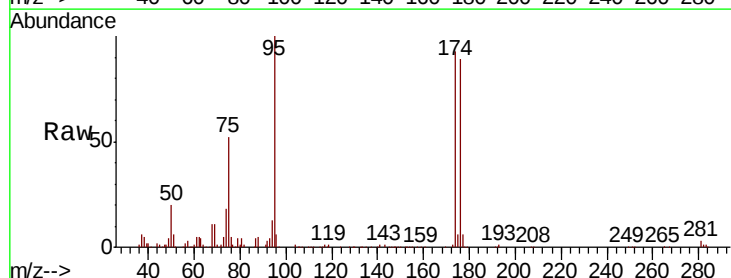
Acq: 26 Nov 2019 16:43

Tgt Ion: 75 Resp: 168321

Ion Ratio Lower Upper

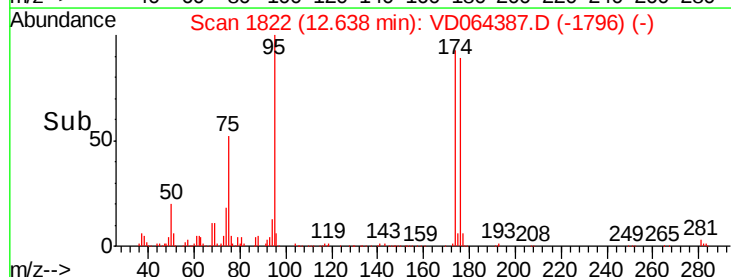
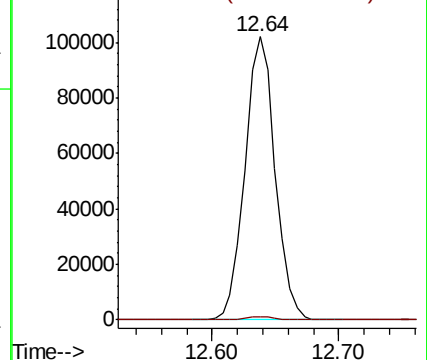
75 100

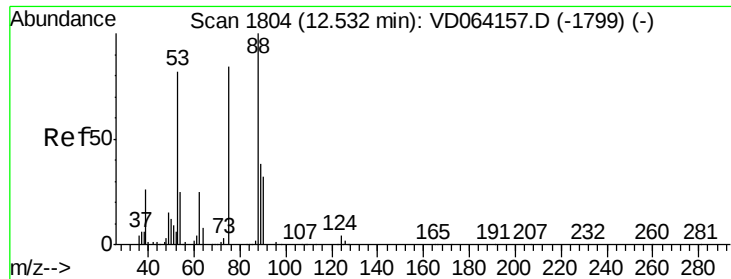
77 1.1 0.0 0.0#



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: 115.860 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064387.D

Acq: 26 Nov 2019 16:43

Instrument :

MSVOA_D

ClientSampleId :

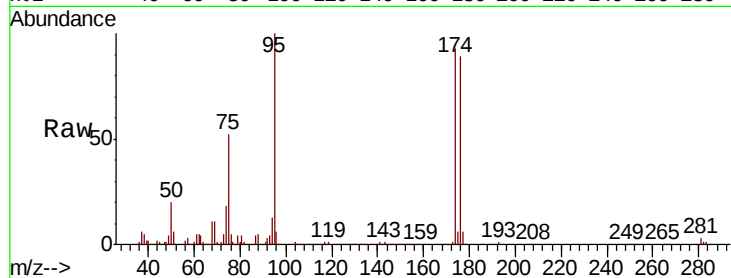
Tot Ion: 75 Resp: 168321

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#



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

