

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064364.D
 Acq On : 25 Nov 2019 16:58
 Operator : VA/SY
 Sample : K5999-06
 Misc : 4.44G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:36:49 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	7.98	168	735156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1130672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1002670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	453509	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	340403	56.30	ug/l	0.00
Spiked Amount			Recovery	=	112.60%	
35) Dibromofluoromethane	7.92	113	338686	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	
50) Toluene-d8	10.34	98	1349992	55.14	ug/l	0.00
Spiked Amount			Recovery	=	110.28%	
62) 4-Bromofluorobenzene	12.64	95	424134	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	

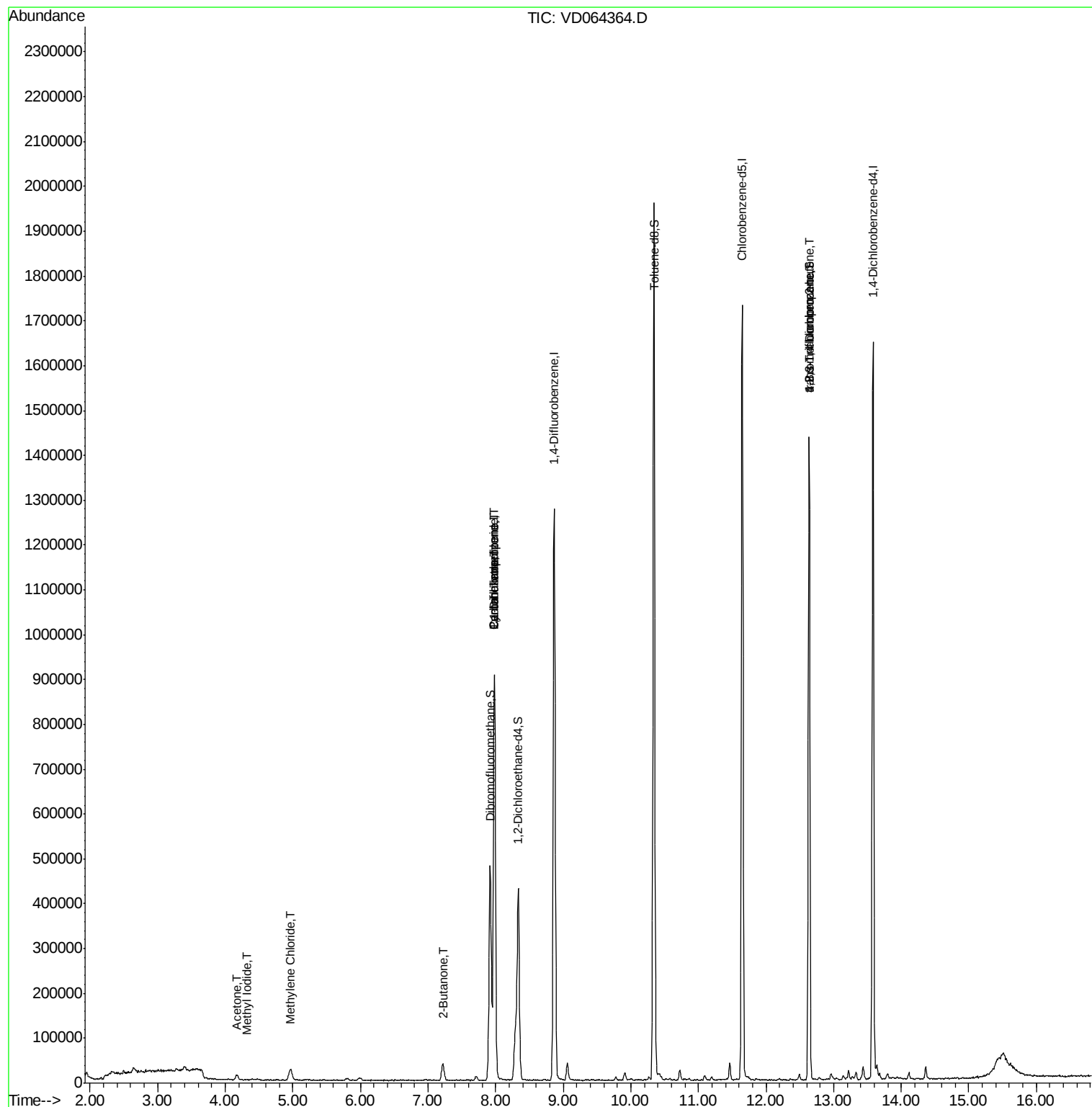
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	167	2.053	ug/l #	41
16) Acetone	4.17	43	20781	14.508	ug/l	97
20) Methylene Chloride	4.97	84	17874	2.470	ug/l	92
25) 2-Butanone	7.23	43	5211	2.816	ug/l #	58
31) Cyclohexane	7.99	56	15051	1.268	ug/l #	17
36) 1,1-Dichloropropene	7.99	75	49937	4.785	ug/l #	49
38) Carbon Tetrachloride	7.99	117	66758	5.979	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	218423	59.795	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	218423	118.776	ug/l #	10

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

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QLast Update : Tue Nov 12 02:43:24 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: VD064364.D

Acq: 25 Nov 2019 16:58

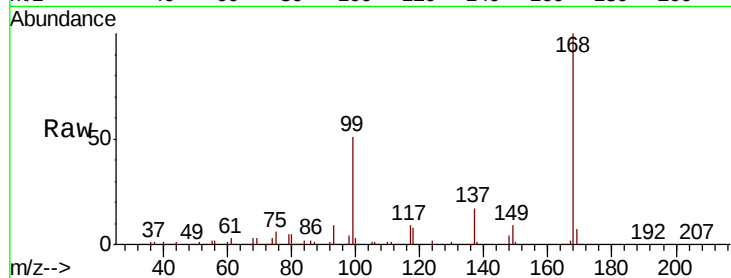
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 735156

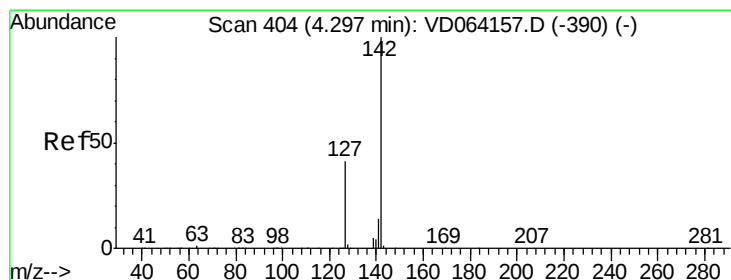
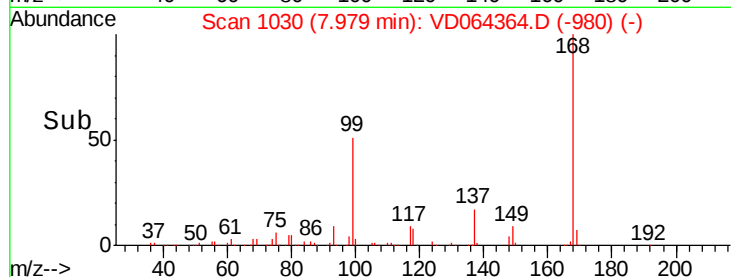
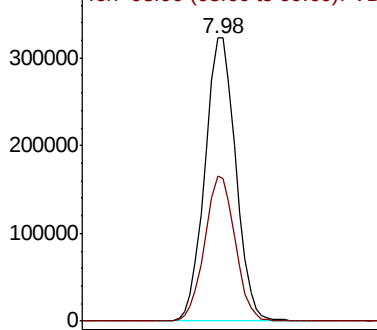
Ion Ratio Lower Upper

168 100

99 51.3 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.053 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD064364.D

Acq: 25 Nov 2019 16:58

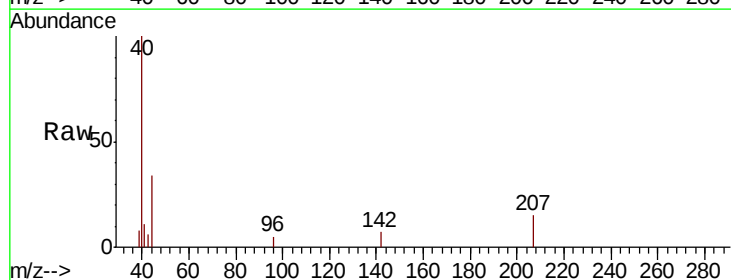
Tgt Ion:142 Resp: 167

Ion Ratio Lower Upper

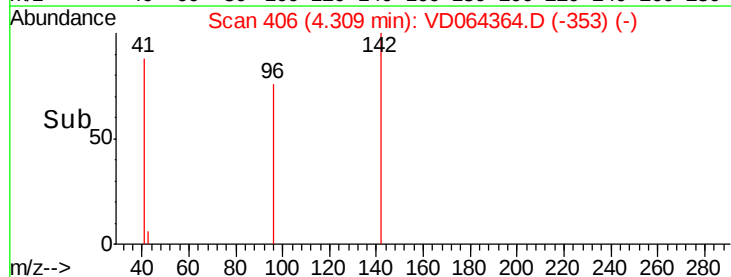
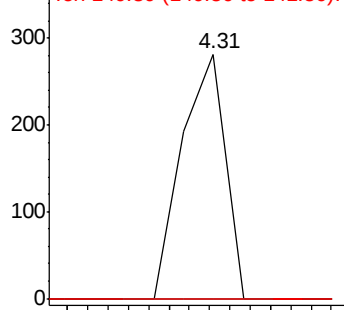
142 100

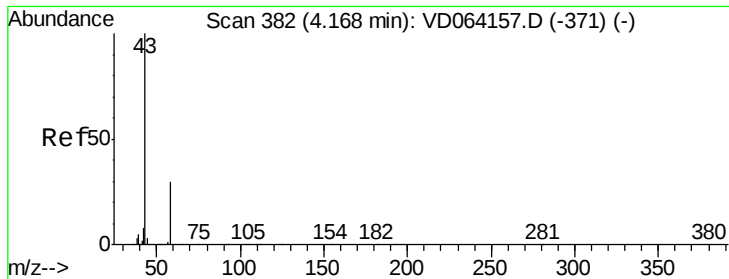
127 0.0 34.4 51.6#

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





#16

Acetone

Concen: 14.508 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064364.D

Acq: 25 Nov 2019 16:58

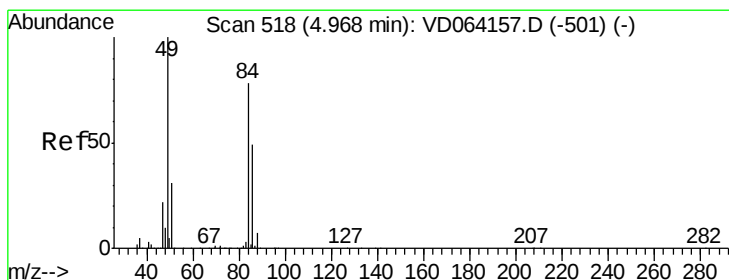
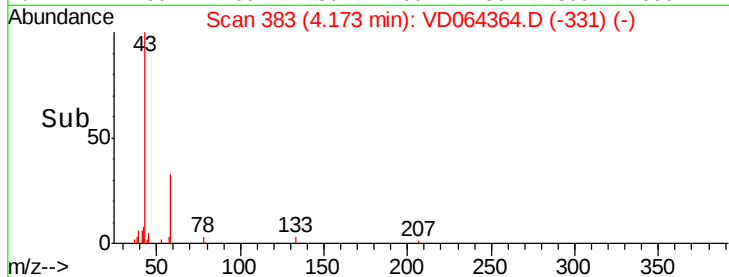
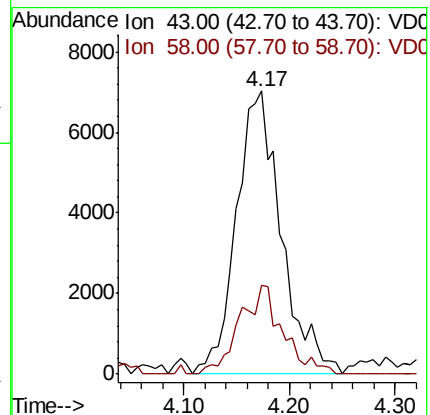
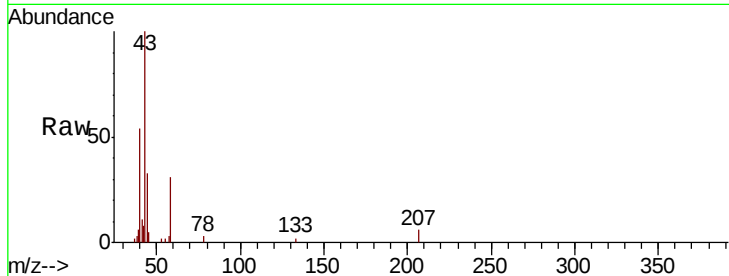
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 20781

Ion Ratio Lower Upper

43 100

58 31.5 24.1 36.1



#20

Methylene Chloride

Concen: 2.470 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD064364.D

Acq: 25 Nov 2019 16:58

Tgt Ion: 84 Resp: 17874

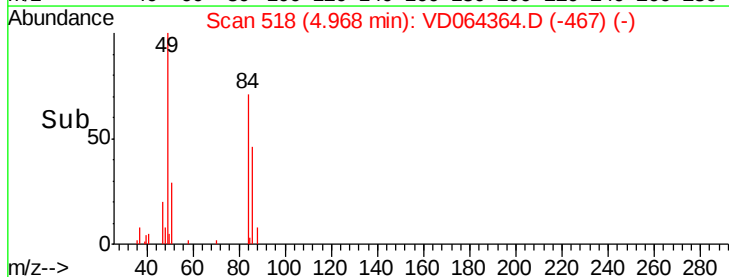
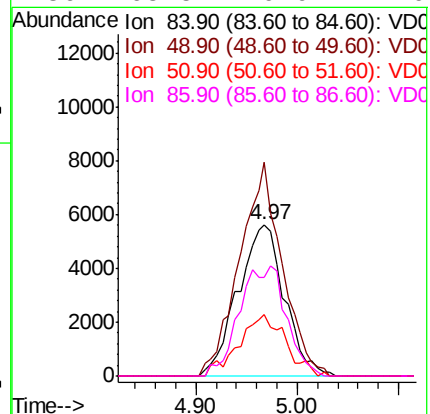
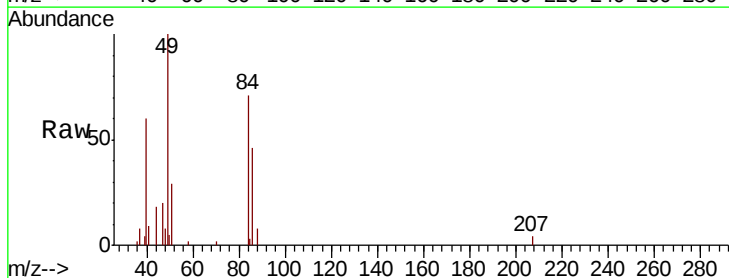
Ion Ratio Lower Upper

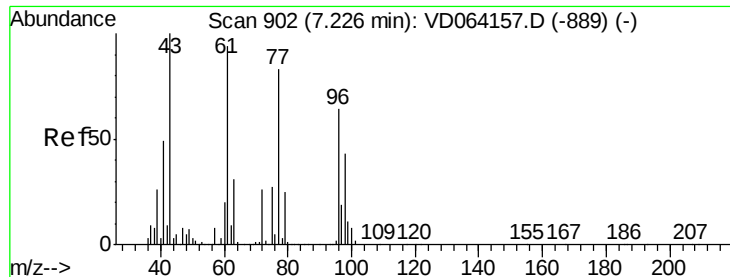
84 100

49 141.4 102.1 153.1

51 40.8 32.2 48.2

86 65.5 49.9 74.9

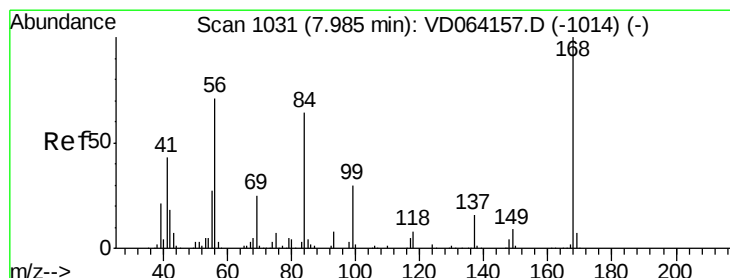
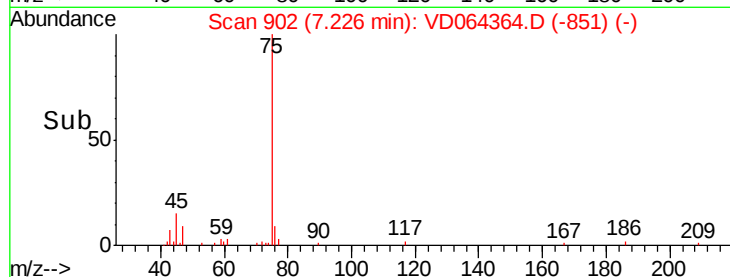
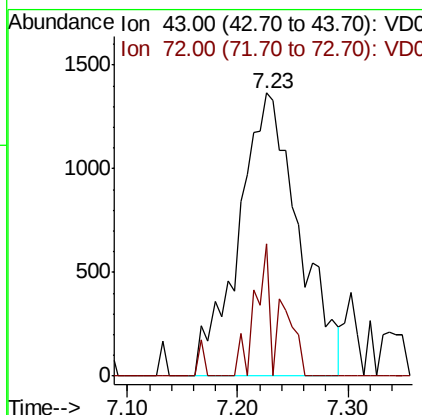
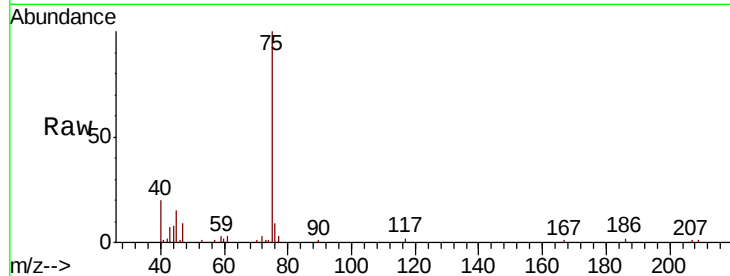




#25
2-Butanone
Concen: 2.816 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD064364.D
Acq: 25 Nov 2019 16:58

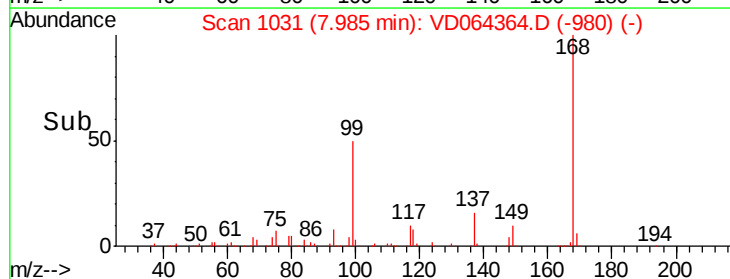
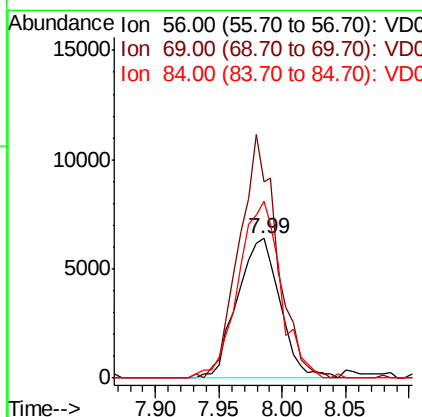
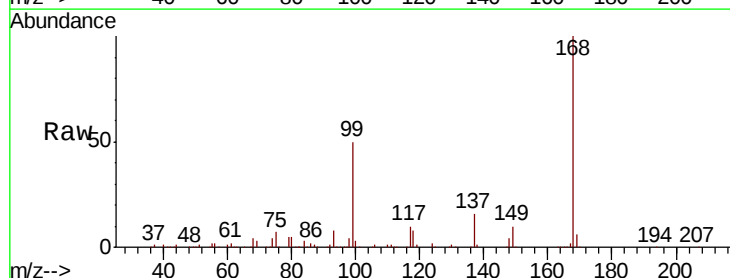
Instrument :
MSVOA_D
ClientSampleId :

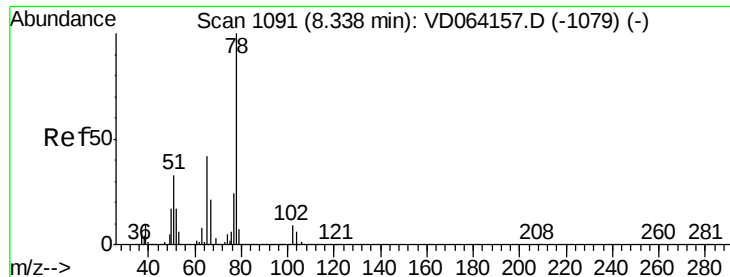
Tot Ion: 43 Resp: 5211
Ion Ratio Lower Upper
43 100
72 47.0 20.6 30.8#



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064364.D
Acq: 25 Nov 2019 16:58

Tgt Ion: 56 Resp: 15051
Ion Ratio Lower Upper
56 100
69 140.3 28.2 42.4#
84 131.8 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 56.300 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064364.D

Acq: 25 Nov 2019 16:58

Instrument :

MSVOA_D

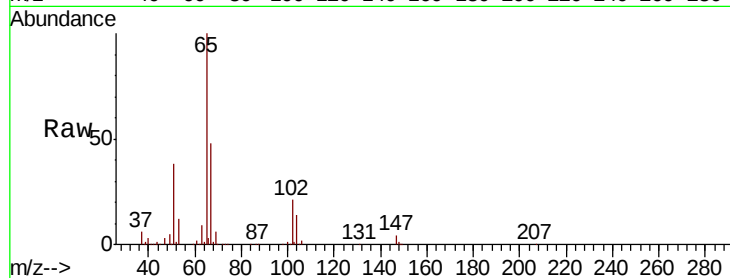
ClientSampleId :

Tot Ion: 65 Resp: 340403

Ion Ratio Lower Upper

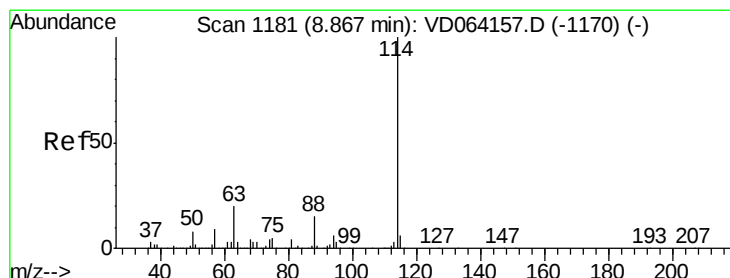
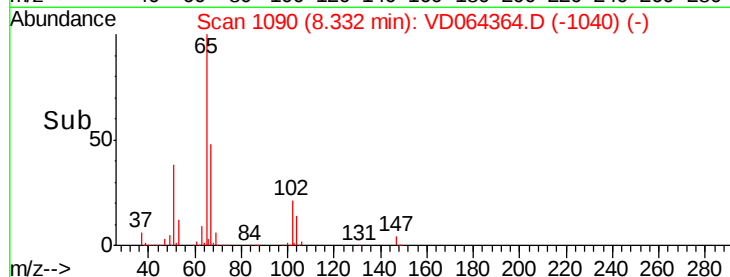
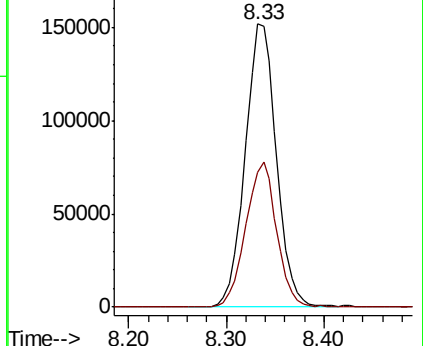
65 100

67 50.8 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: VD064364.D

Acq: 25 Nov 2019 16:58

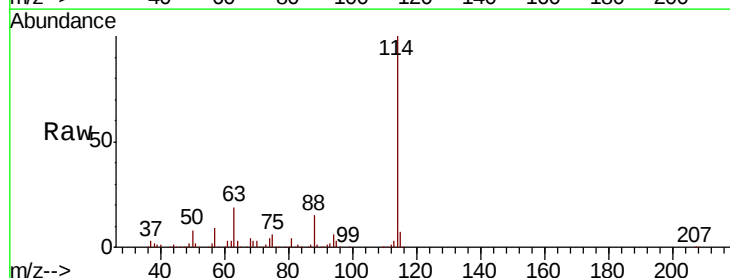
Tgt Ion: 114 Resp: 1130672

Ion Ratio Lower Upper

114 100

63 18.9 0.0 40.0

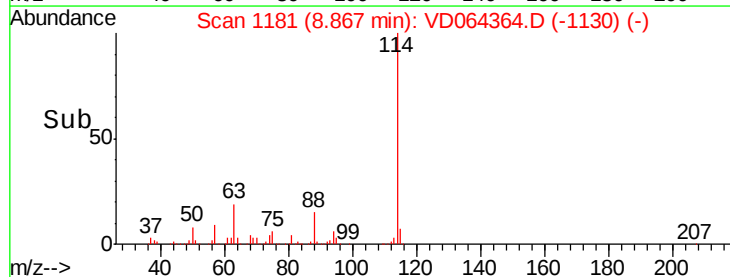
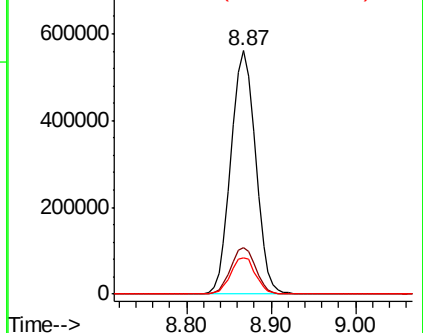
88 15.1 0.0 30.2

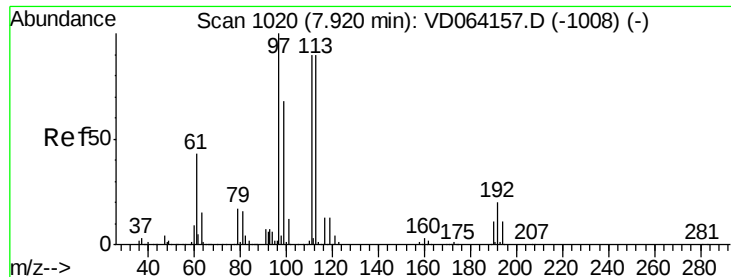


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

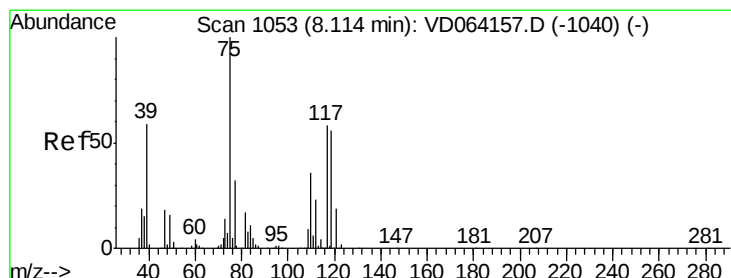
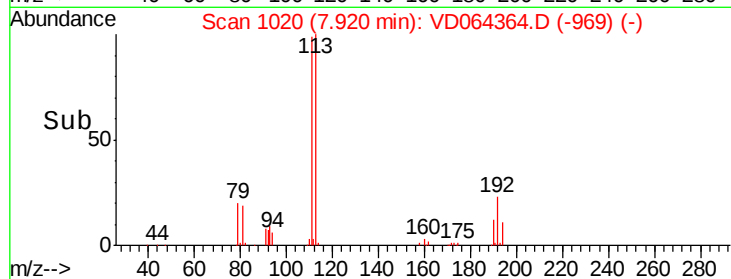
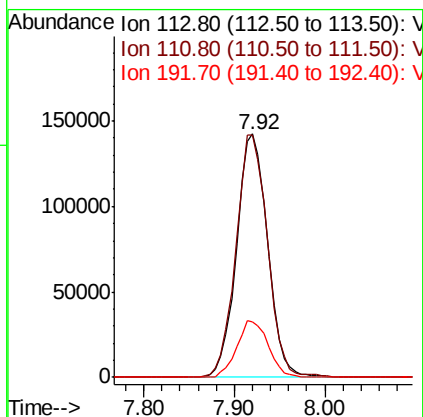
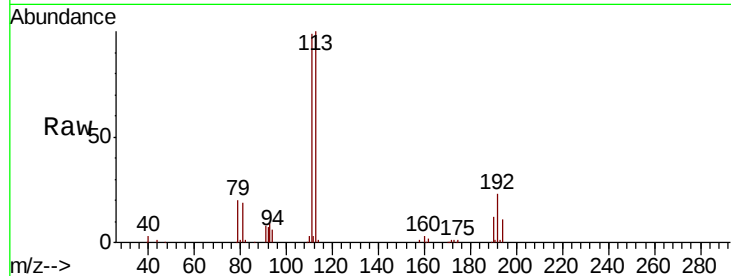




#35
 Dibromofluoromethane
 Concen: 52.184 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064364.D
 Acq: 25 Nov 2019 16:58

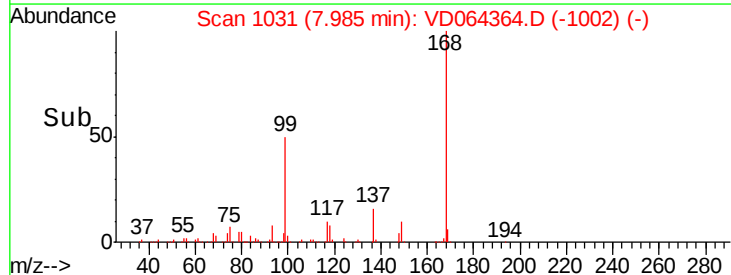
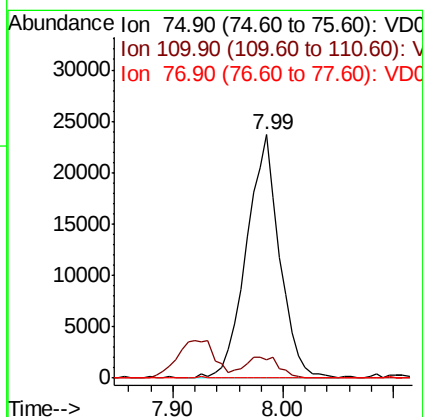
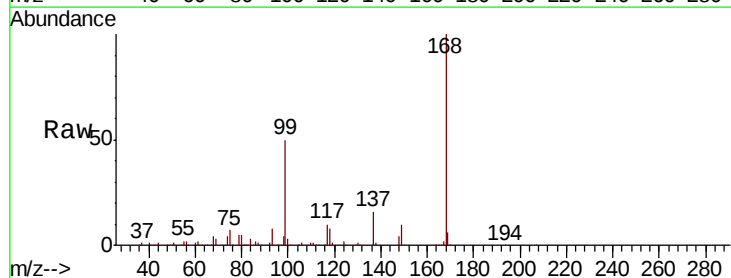
Instrument :
 MSVOA_D
 ClientSampleId :

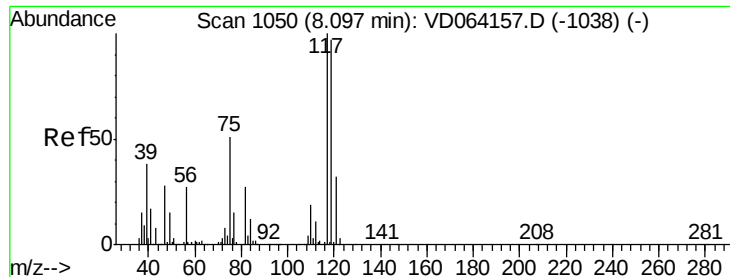
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	23.5	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.785 ug/l
 RT: 7.99 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064364.D
 Acq: 25 Nov 2019 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.3	54.9#
77	0.0	25.0	37.6#

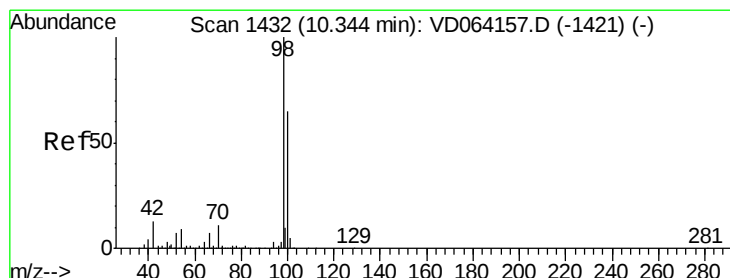
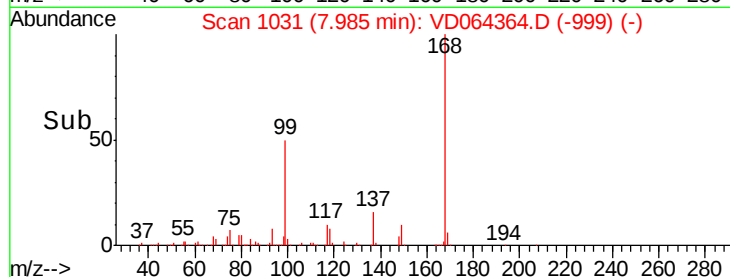
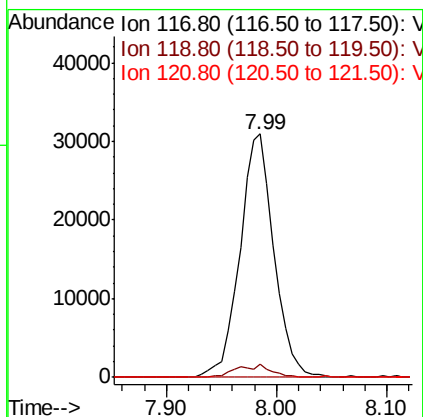
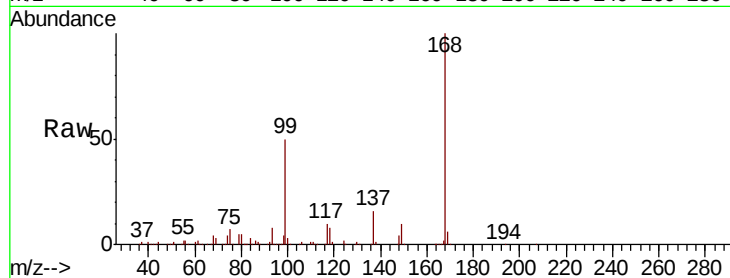




#38
Carbon Tetrachloride
Concen: 5.979 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD064364.D
Acq: 25 Nov 2019 16:58

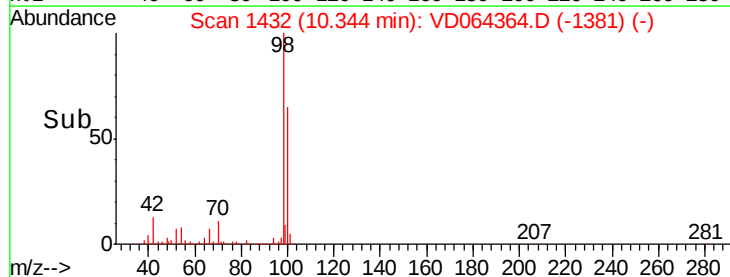
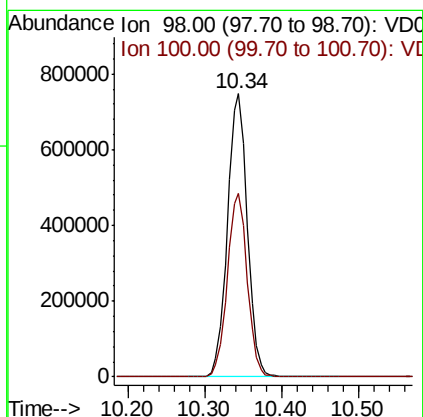
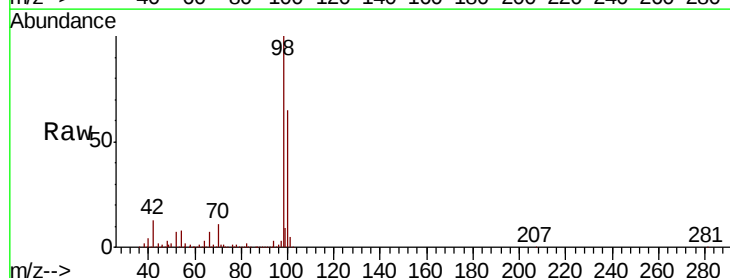
Instrument :
MSVOA_D
ClientSampled :

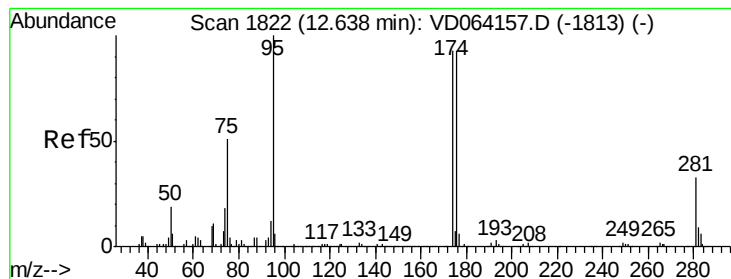
Tot Ion:117 Resp: 66758
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 55.138 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064364.D
Acq: 25 Nov 2019 16:58

Tgt Ion: 98 Resp: 1349992
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 50.022 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064364.D

Acq: 25 Nov 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

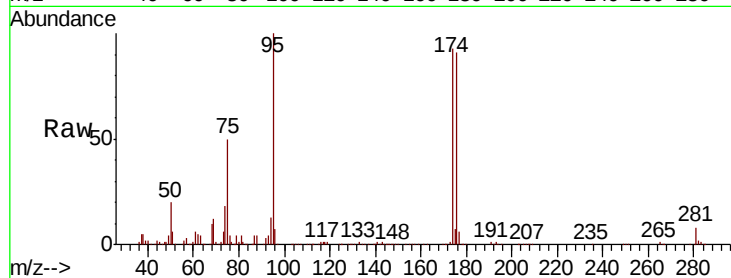
Tot Ion: 95 Resp: 424134

Ion Ratio Lower Upper

95 100

174 94.8 0.0 183.6

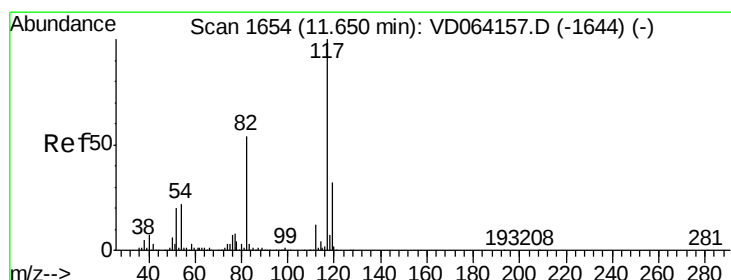
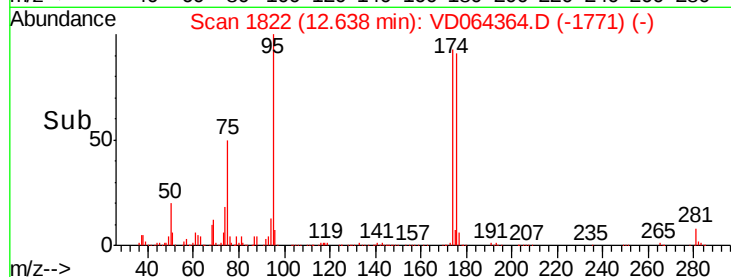
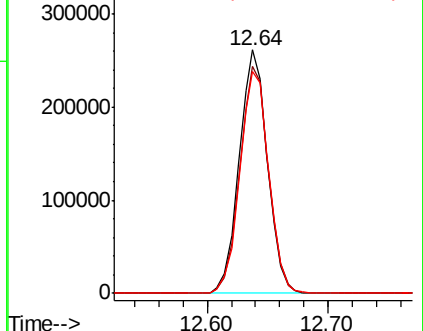
176 93.8 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064364.D

Acq: 25 Nov 2019 16:58

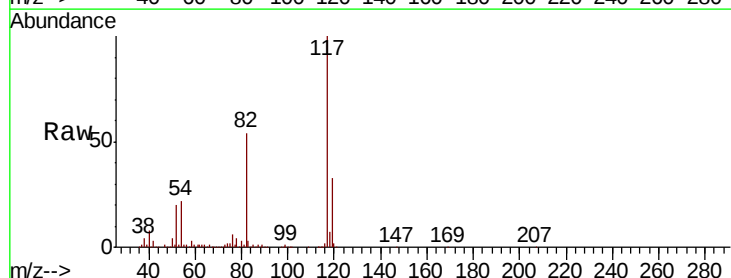
Tgt Ion: 117 Resp: 1002670

Ion Ratio Lower Upper

117 100

82 53.9 42.8 64.2

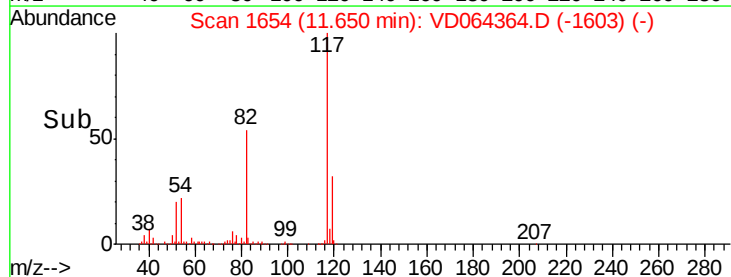
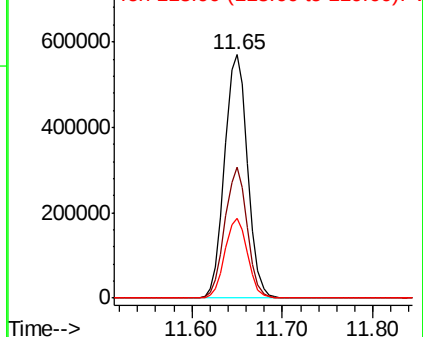
119 32.5 25.6 38.4

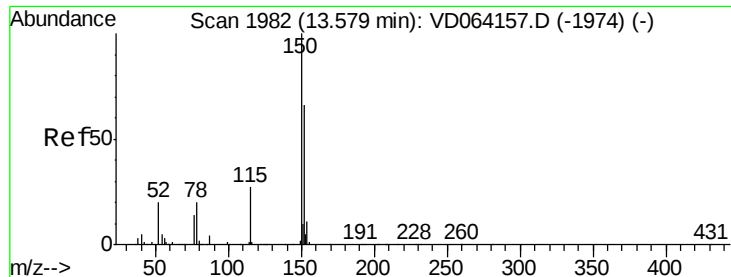


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064364.D

Acq: 25 Nov 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

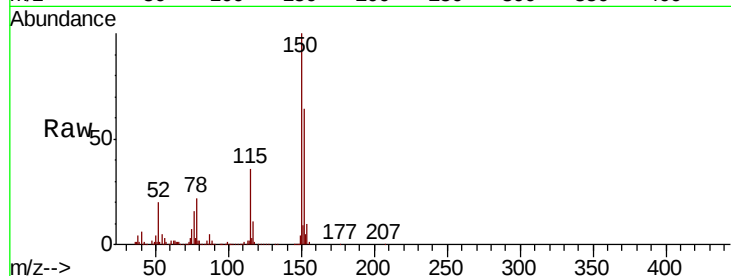
Tot Ion:152 Resp: 453509

Ion Ratio Lower Upper

152 100

115 53.9 27.4 82.2

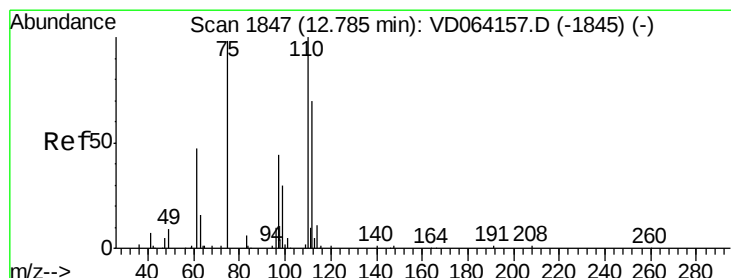
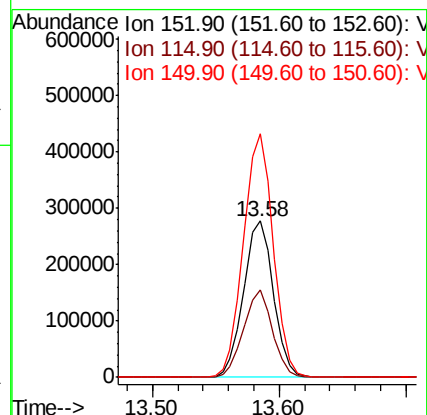
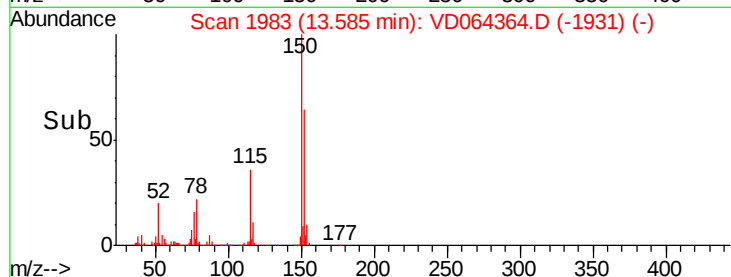
150 155.0 0.0 351.6



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: 59.795 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064364.D

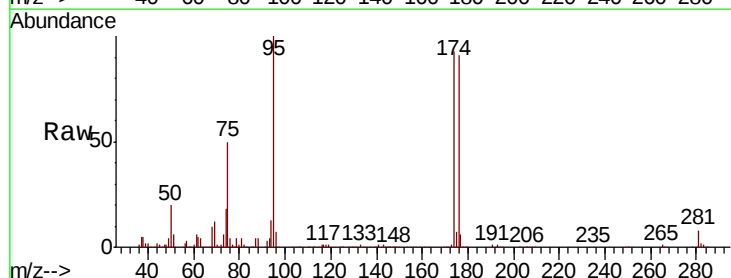
Acq: 25 Nov 2019 16:58

Tgt Ion: 75 Resp: 218423

Ion Ratio Lower Upper

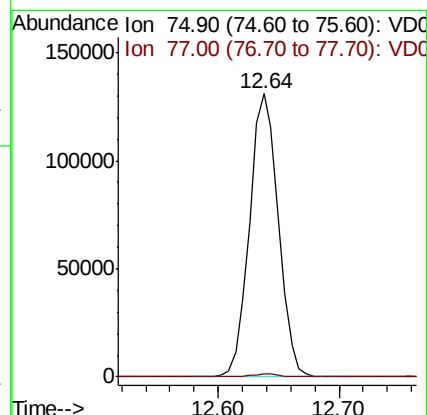
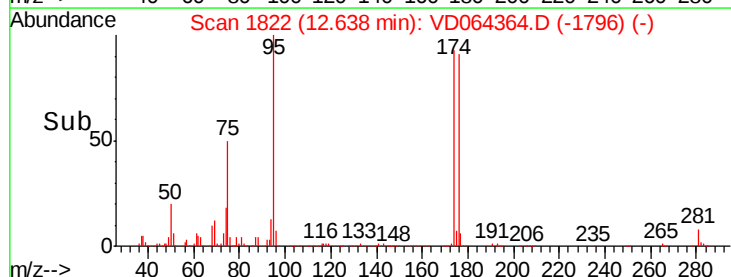
75 100

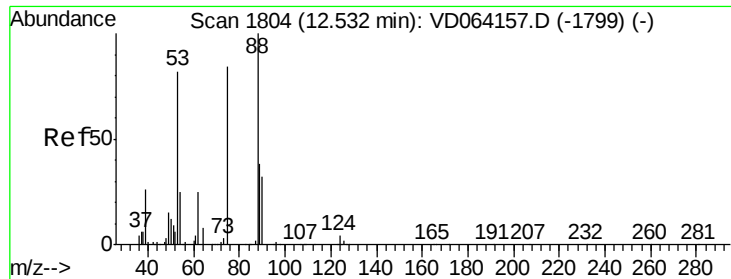
77 1.3 0.0 0.0#



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: 118.776 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064364.D

Acq: 25 Nov 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

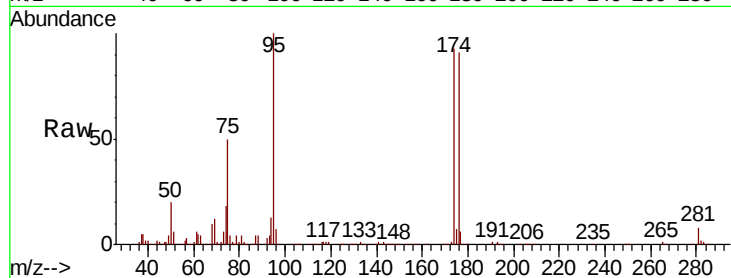
Tot Ion: 75 Resp: 218423

Ion Ratio Lower Upper

75 100

53 0.1 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

