

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112619\
 Data File : VD064386.D
 Acq On : 26 Nov 2019 16:14
 Operator : VA/SY
 Sample : K6024-03
 Misc : 5.91G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 27 05:51:46 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	744595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1094578	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	951121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	434765	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	310780	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
35) Dibromofluoromethane	7.92	113	328898	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
50) Toluene-d8	10.34	98	1280597	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
62) 4-Bromofluorobenzene	12.64	95	400841	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	

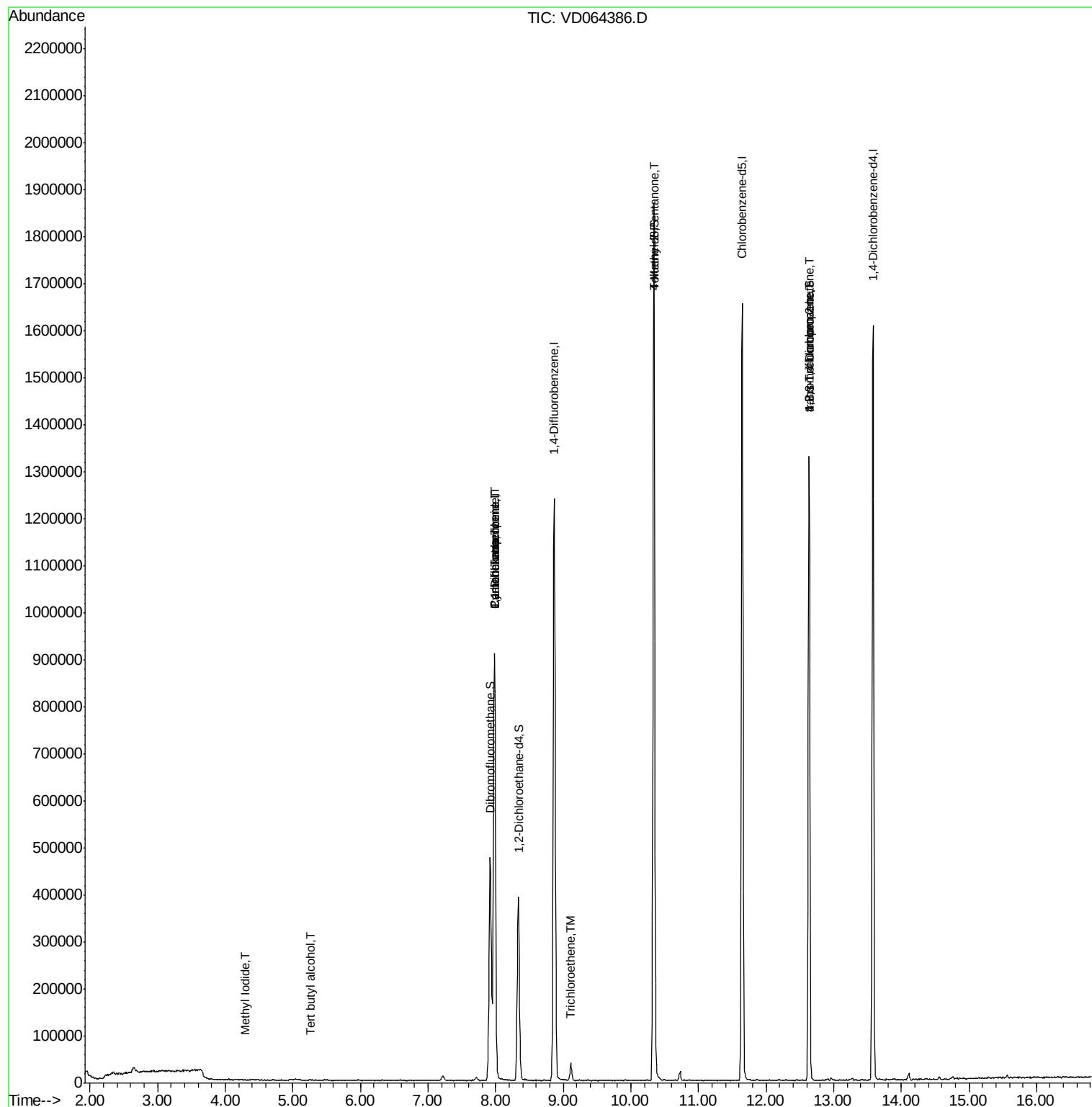
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	138	2.049	ug/l #	41
11) Tert butyl alcohol	5.27	59	2464	5.761	ug/l	96
31) Cyclohexane	7.98	56	13863	1.153	ug/l #	25
36) 1,1-Dichloropropene	7.98	75	50583	5.007	ug/l #	50
38) Carbon Tetrachloride	7.98	117	67070	6.205	ug/l #	15
44) Trichloroethene	9.11	130	12172	1.469	ug/l	97
51) 4-Methyl-2-Pentanone	10.34	43	6083	1.446	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	210123	60.003	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	210123	119.189	ug/l #	10

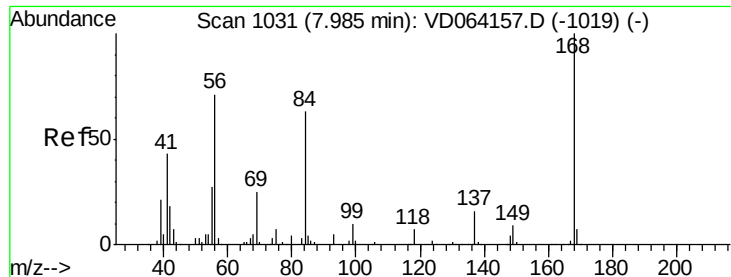
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064386.D

Acq: 26 Nov 2019 16:14

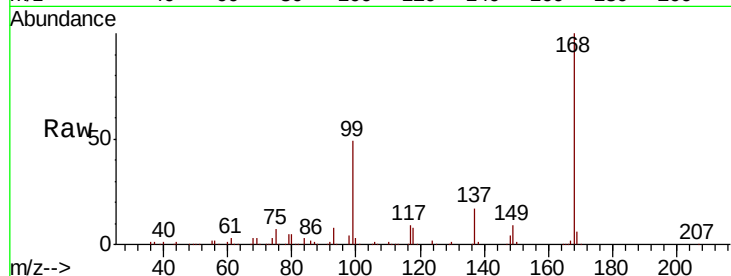
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 744595

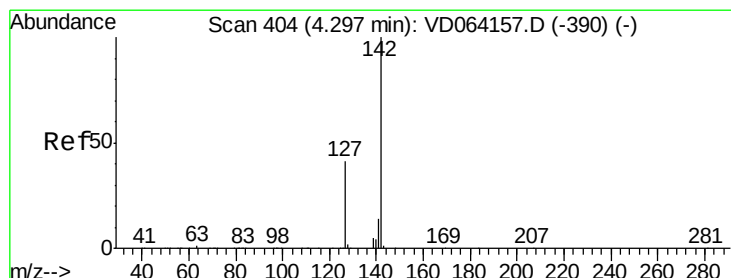
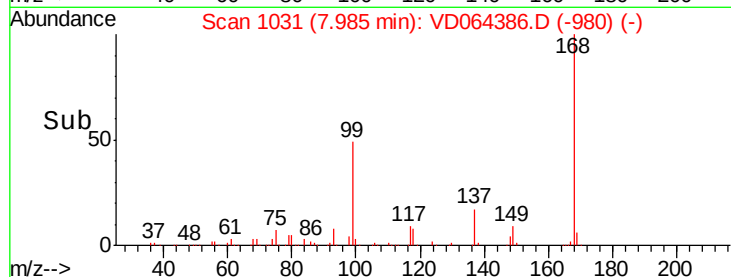
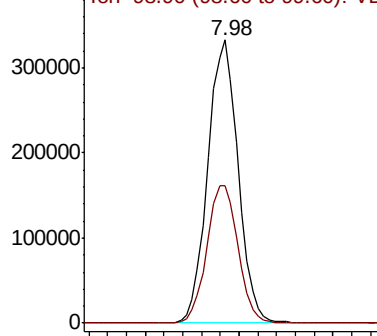
Ion Ratio Lower Upper

168 100

99 48.7 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: 2.049 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064386.D

Acq: 26 Nov 2019 16:14

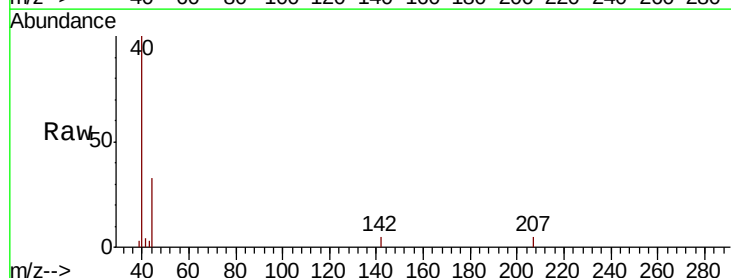
Tgt Ion:142 Resp: 138

Ion Ratio Lower Upper

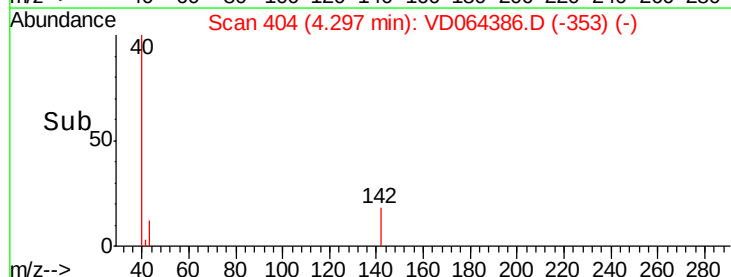
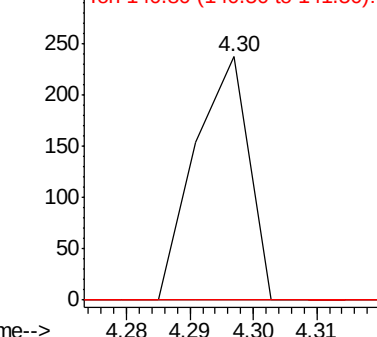
142 100

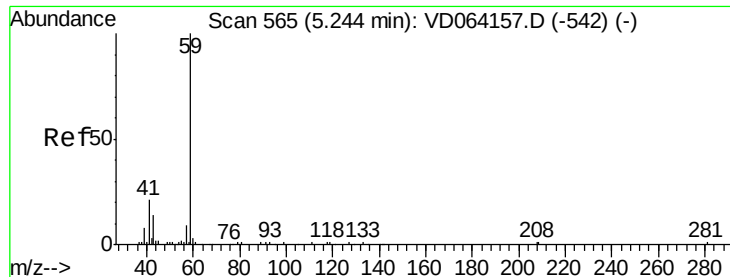
127 0.0 34.4 51.6#

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

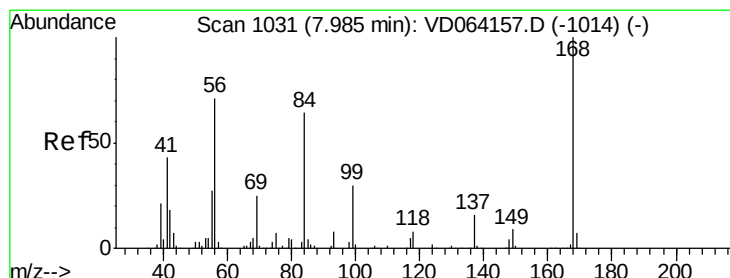
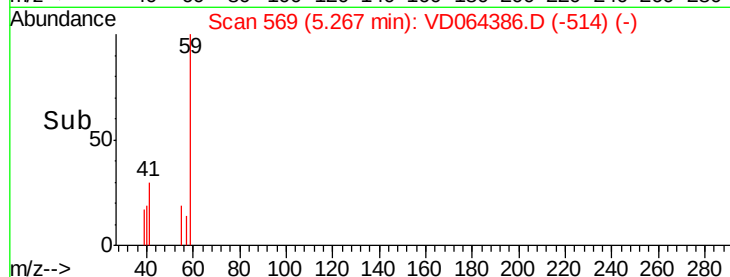
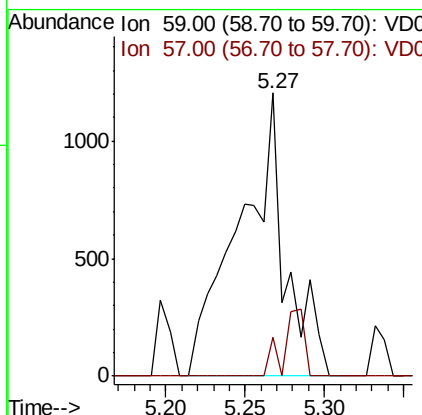
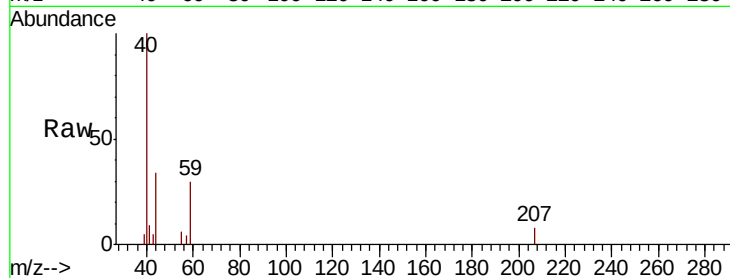




#11
Tert butyl alcohol
Concen: 5.761 ug/l
RT: 5.27 min Scan# 569
Delta R.T. 0.02 min
Lab File: VD064386.D
Acq: 26 Nov 2019 16:14

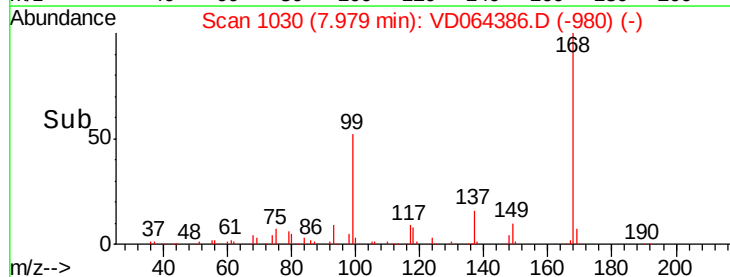
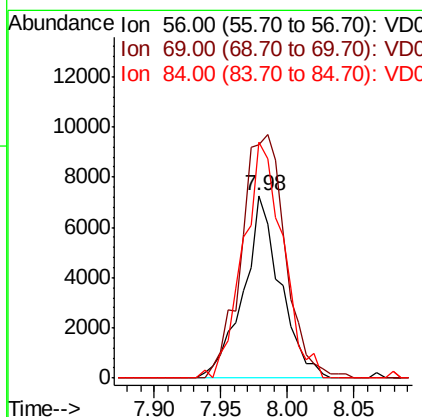
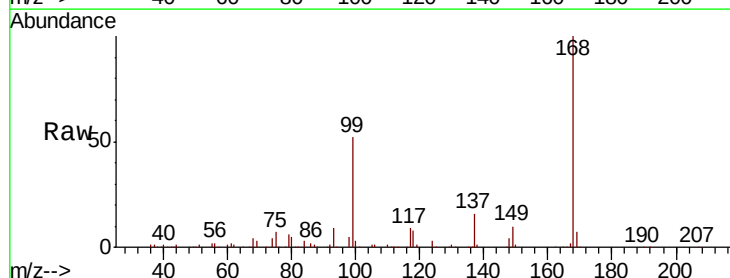
Instrument :
MSVOA_D
ClientSampled :

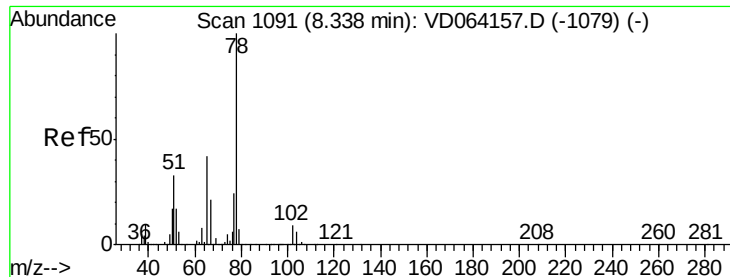
Tot Ion: 59 Resp: 2464
Ion Ratio Lower Upper
59 100
57 10.4 9.4 14.2



#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064386.D
Acq: 26 Nov 2019 16:14

Tgt Ion: 56 Resp: 13863
Ion Ratio Lower Upper
56 100
69 127.6 28.2 42.4#
84 129.2 71.8 107.6#

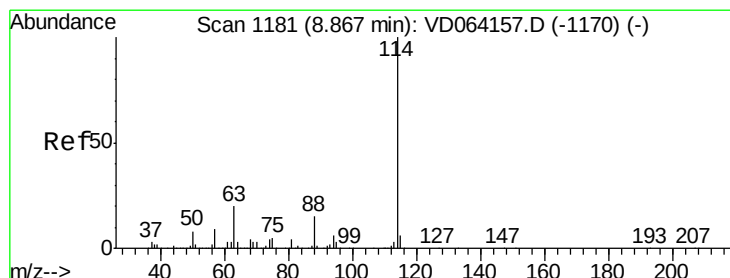
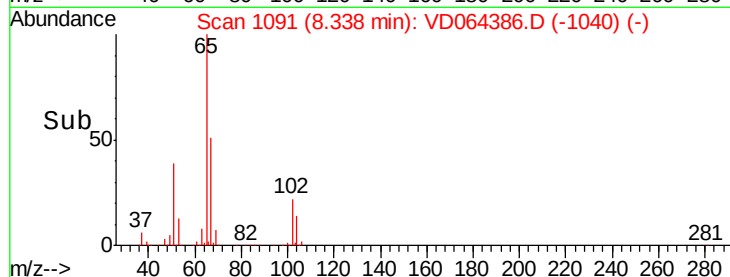
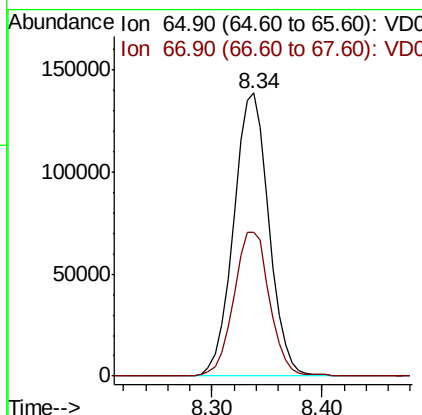
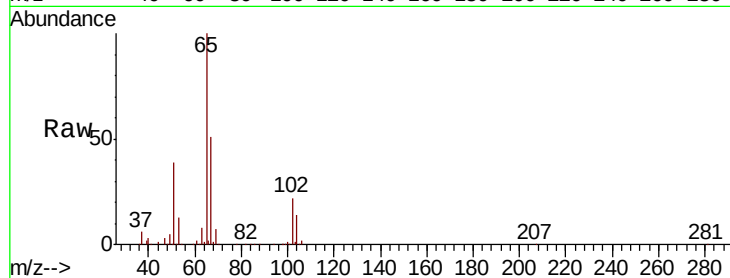




#33
 1,2-Dichloroethane-d4
 Concen: 50.749 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064386.D
 Acq: 26 Nov 2019 16:14

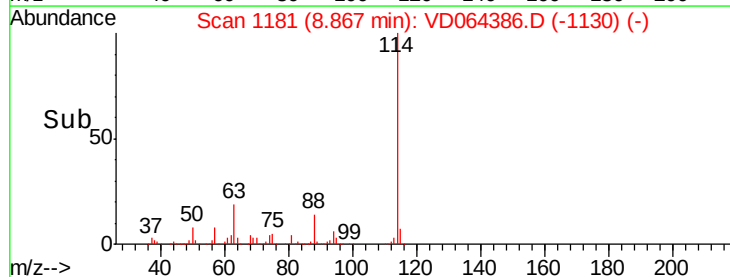
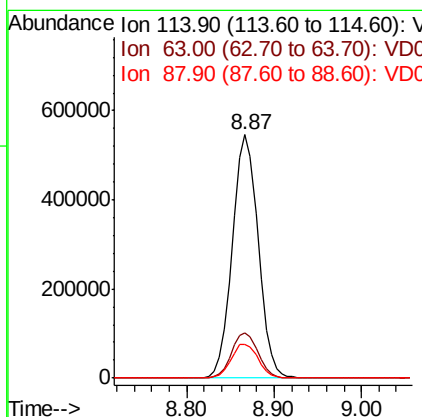
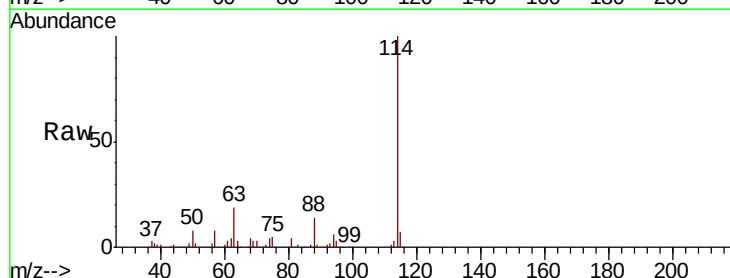
Instrument :
 MSVOA_D
 ClientSampled :

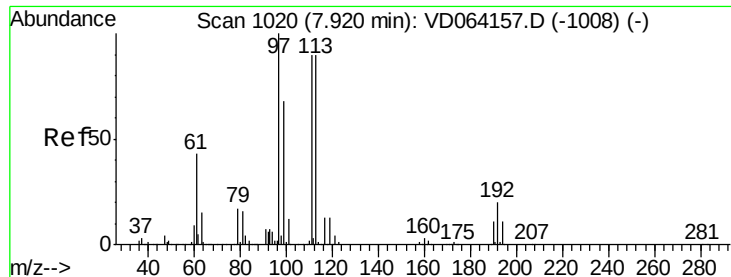
Tot Ion: 65 Resp: 310780
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064386.D
 Acq: 26 Nov 2019 16:14

Tgt Ion: 114 Resp: 1094578
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 40.0
 88 13.9 0.0 30.2

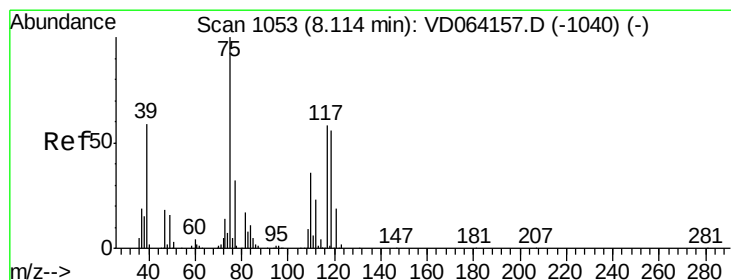
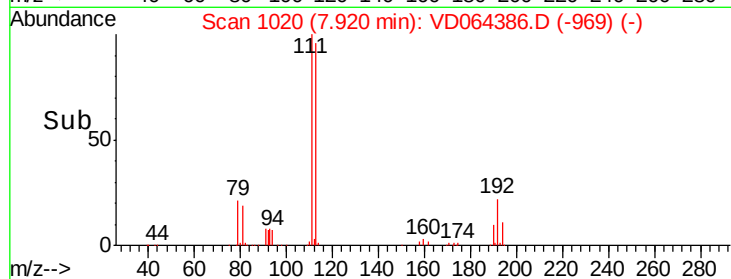
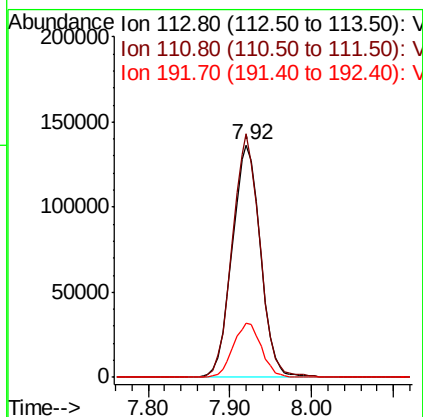
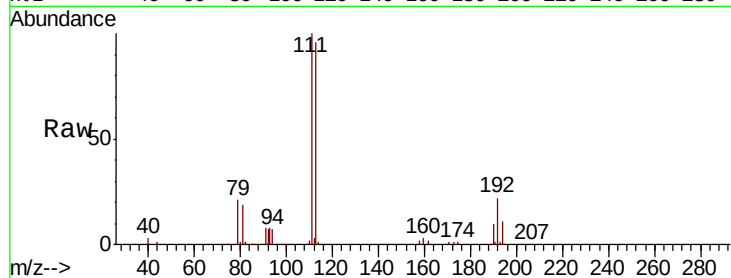




#35
 Dibromofluoromethane
 Concen: 52.347 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064386.D
 Acq: 26 Nov 2019 16:14

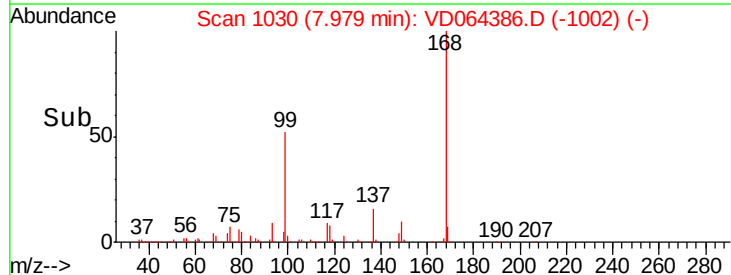
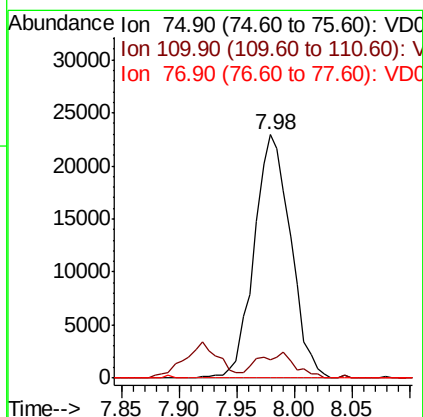
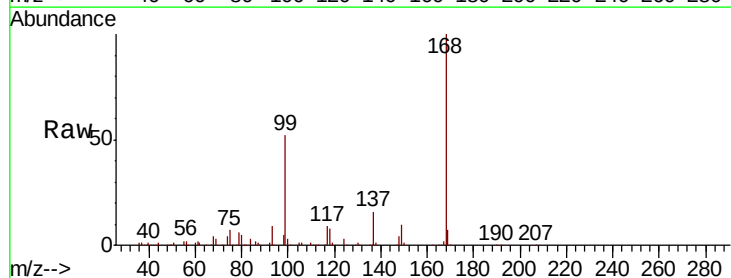
Instrument :
 MSVOA_D
 ClientSampleId :

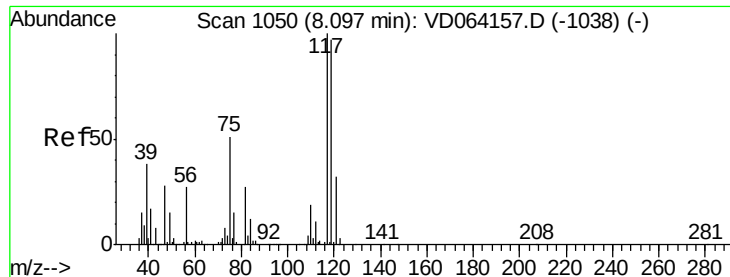
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.5	122.3
192	23.0	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 5.007 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064386.D
 Acq: 26 Nov 2019 16:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.9	18.3	54.9#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.205 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064386.D

Acq: 26 Nov 2019 16:14

Instrument :

MSVOA_D

ClientSampleId :

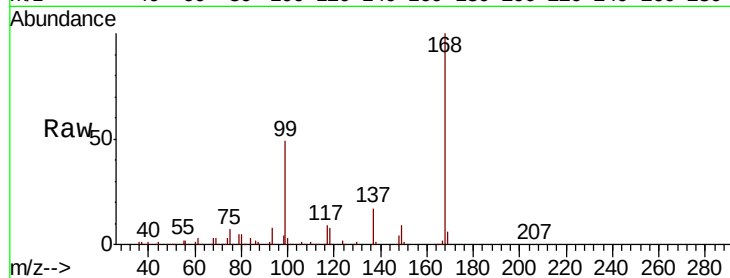
Tot Ion:117 Resp: 67070

Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

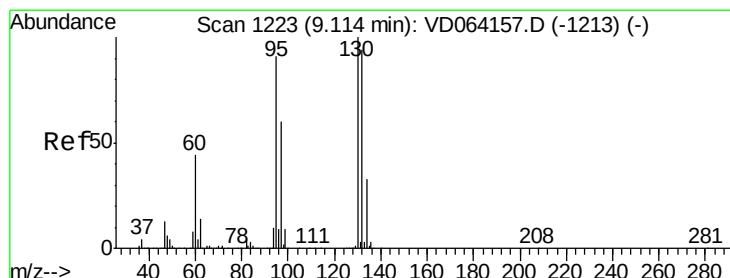
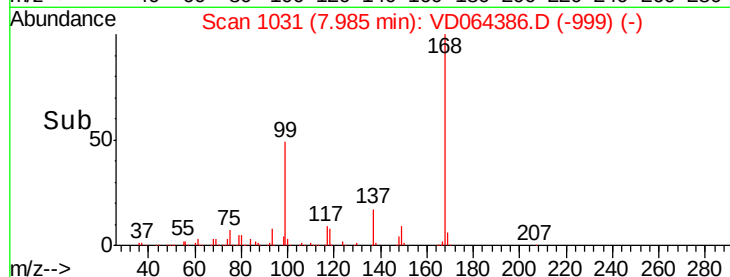
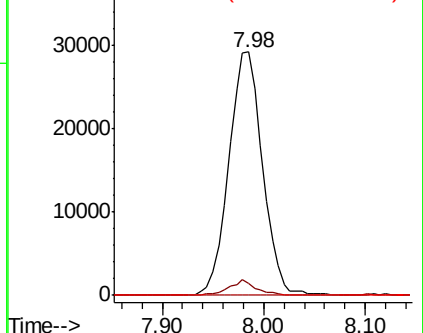
121 0.0 25.5 38.3#



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: 1.469 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD064386.D

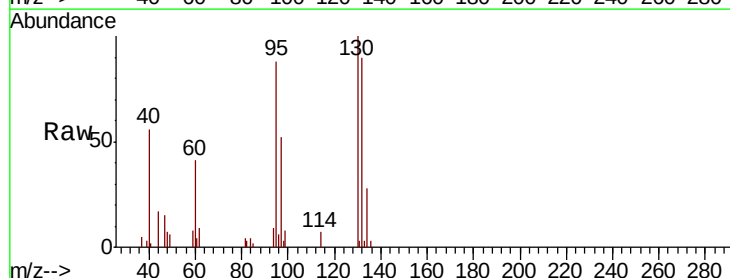
Acq: 26 Nov 2019 16:14

Tgt Ion:130 Resp: 12172

Ion Ratio Lower Upper

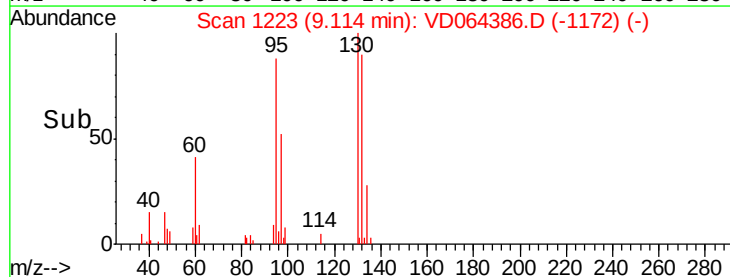
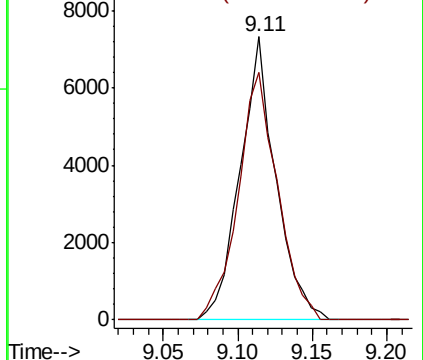
130 100

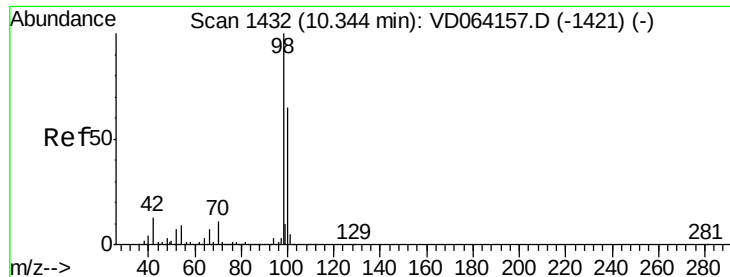
95 87.5 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 54.028 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064386.D

Acq: 26 Nov 2019 16:14

Instrument :

MSVOA_D

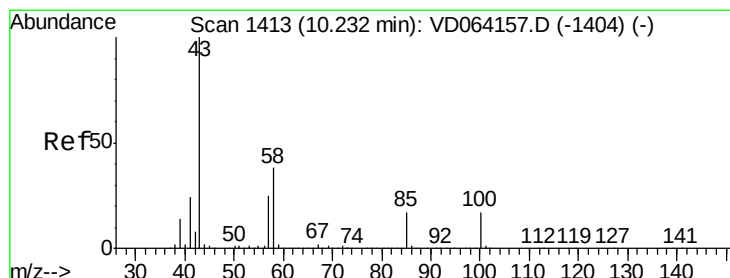
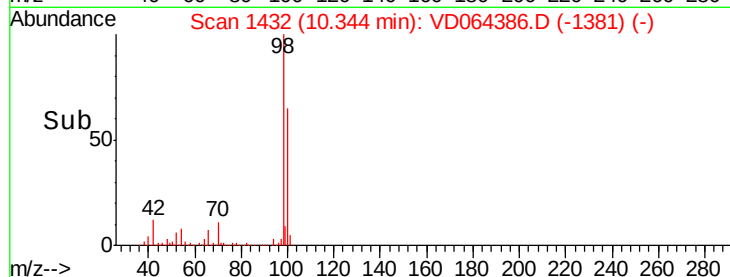
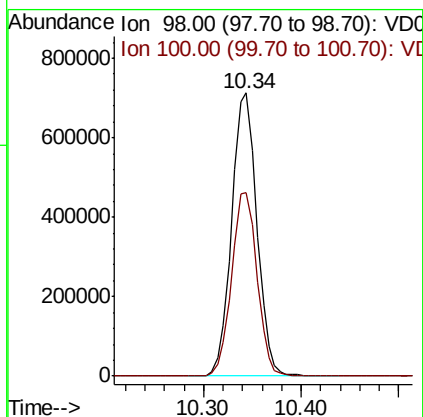
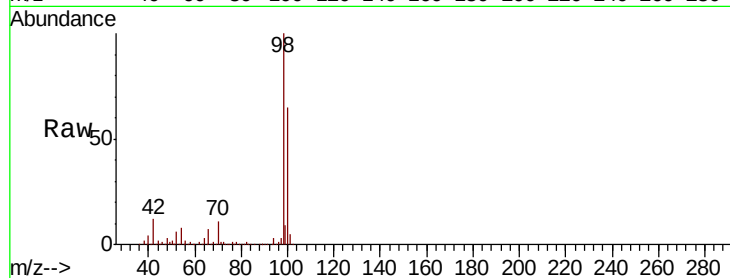
ClientSampleId :

Tot Ion: 98 Resp: 1280597

Ion Ratio Lower Upper

98 100

100 65.7 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 1.446 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.11 min

Lab File: VD064386.D

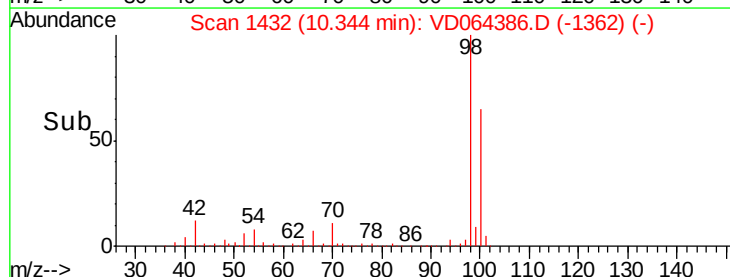
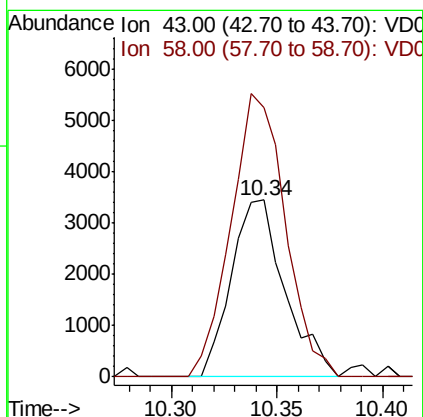
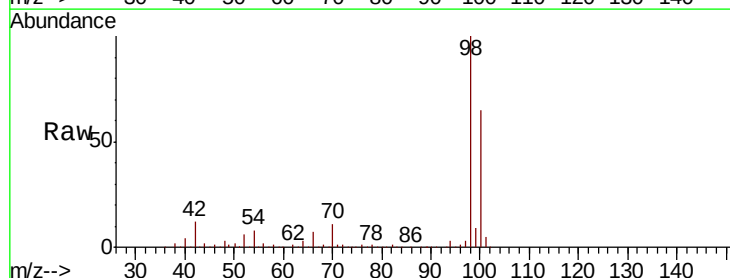
Acq: 26 Nov 2019 16:14

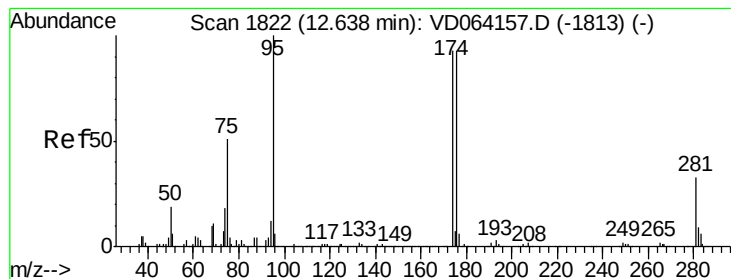
Tgt Ion: 43 Resp: 6083

Ion Ratio Lower Upper

43 100

58 161.8 30.2 45.4#





#62

4-Bromofluorobenzene

Concen: 48.834 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064386.D

Acq: 26 Nov 2019 16:14

Instrument :

MSVOA_D

ClientSampleId :

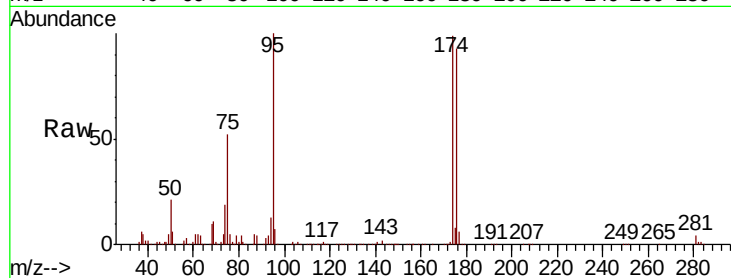
Tot Ion: 95 Resp: 400841

Ion Ratio Lower Upper

95 100

174 96.0 0.0 183.6

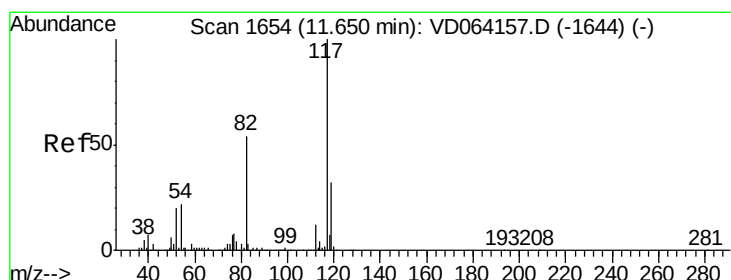
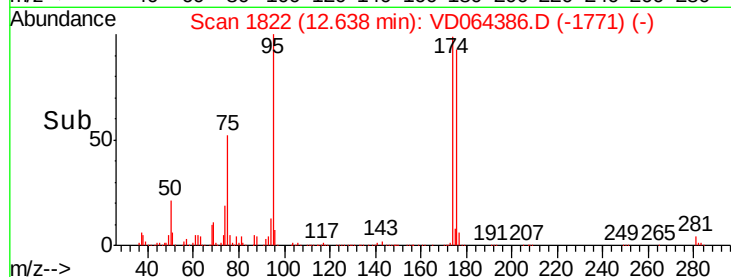
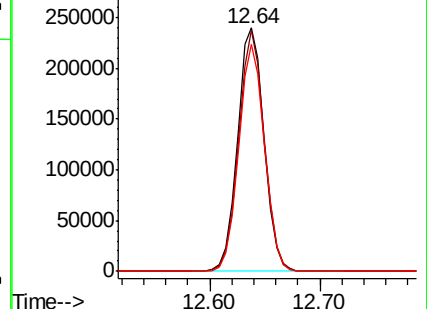
176 91.3 0.0 180.2



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: VD064386.D

Acq: 26 Nov 2019 16:14

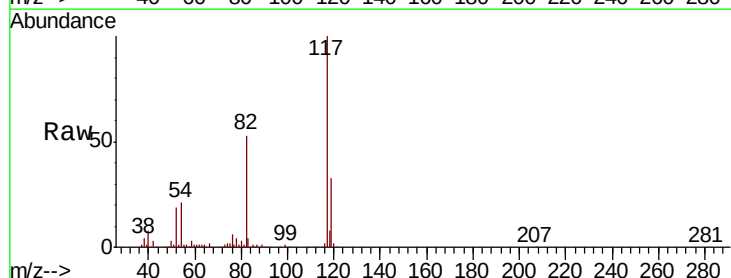
Tgt Ion: 117 Resp: 951121

Ion Ratio Lower Upper

117 100

82 52.8 42.8 64.2

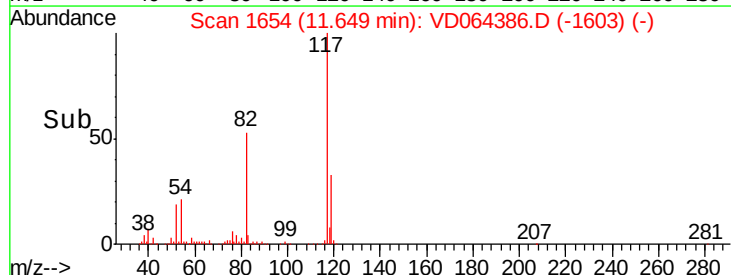
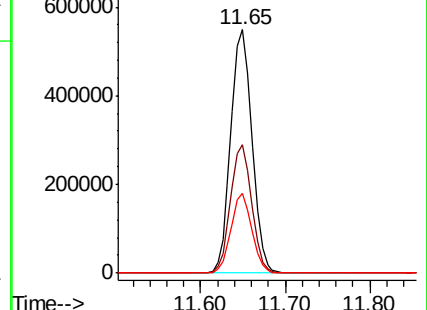
119 32.9 25.6 38.4

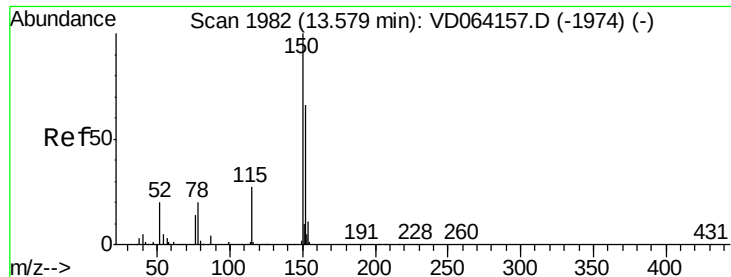


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



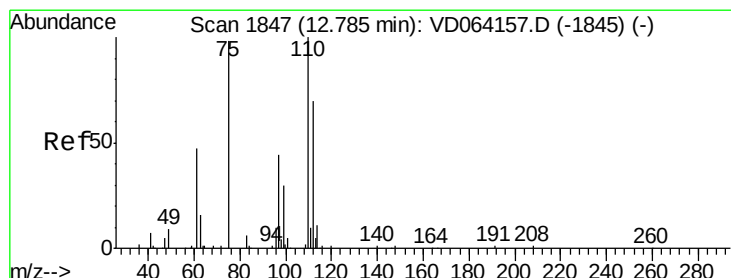
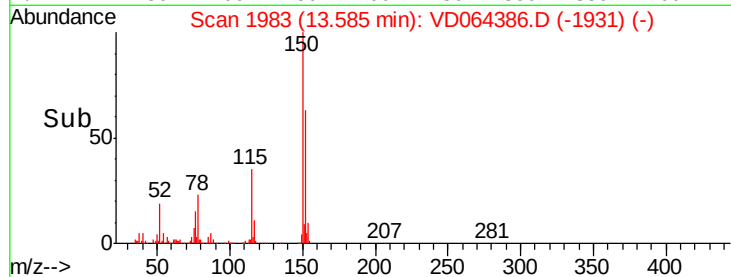
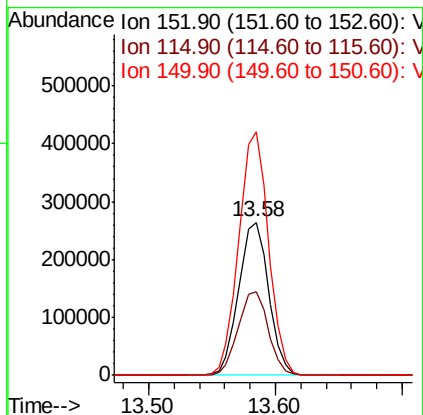
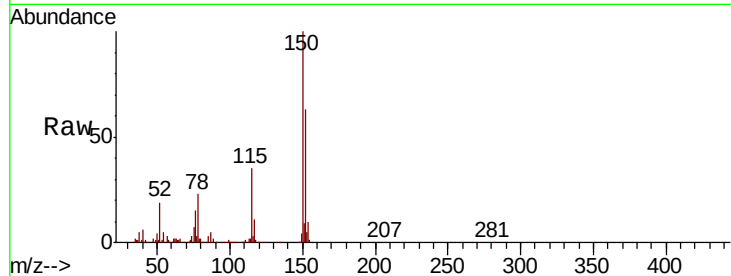


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064386.D
Acq: 26 Nov 2019 16:14

Instrument :
MSVOA_D
ClientSampleId :

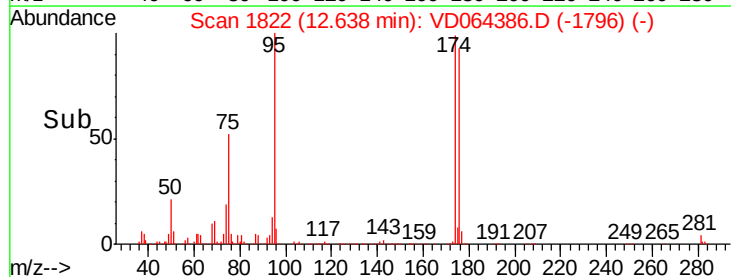
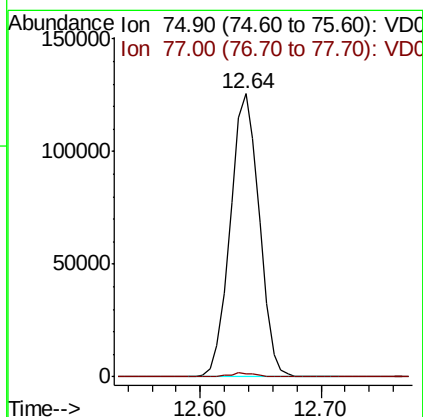
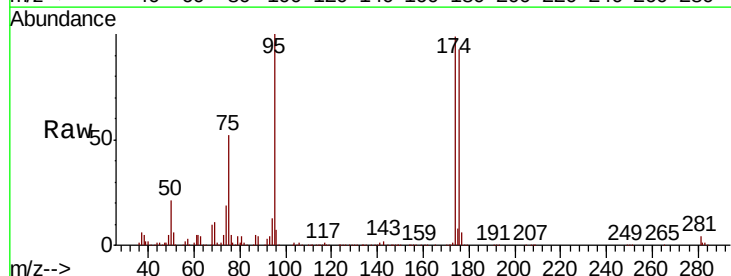
Tot Ion:152 Resp: 434765
Ion Ratio Lower Upper
152 100
115 55.1 27.4 82.2
150 157.6 0.0 351.6

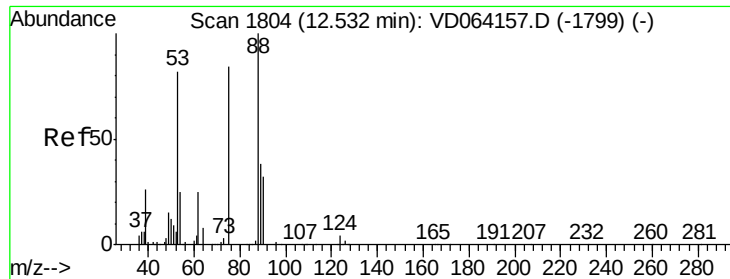


#76

1,2,3-Trichloropropane
Concen: 60.003 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064386.D
Acq: 26 Nov 2019 16:14

Tgt Ion: 75 Resp: 210123
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 119.189 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064386.D

Acq: 26 Nov 2019 16:14

Instrument :

MSVOA_D

ClientSampleId :

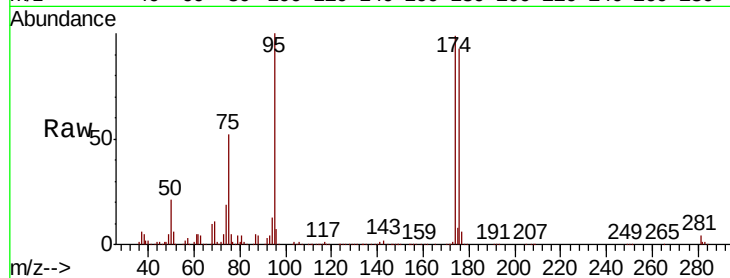
Tot Ion: 75 Resp: 210123

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

