

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111519\
 Data File : VD064246.D
 Acq On : 16 Nov 2019 02:01
 Operator : VA/SY
 Sample : K5840-06
 Misc : 5.82G/5.00ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 18 00:44:07 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	851684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1241192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1098602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	543806	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	388067	55.40	ug/l	0.00
Spiked Amount			Recovery	=	110.80%	
35) Dibromofluoromethane	7.92	113	388082	54.47	ug/l	0.00
Spiked Amount			Recovery	=	108.94%	
50) Toluene-d8	10.34	98	1451317	54.00	ug/l	0.00
Spiked Amount			Recovery	=	108.00%	
62) 4-Bromofluorobenzene	12.64	95	477800	51.33	ug/l	0.00
Spiked Amount			Recovery	=	102.66%	

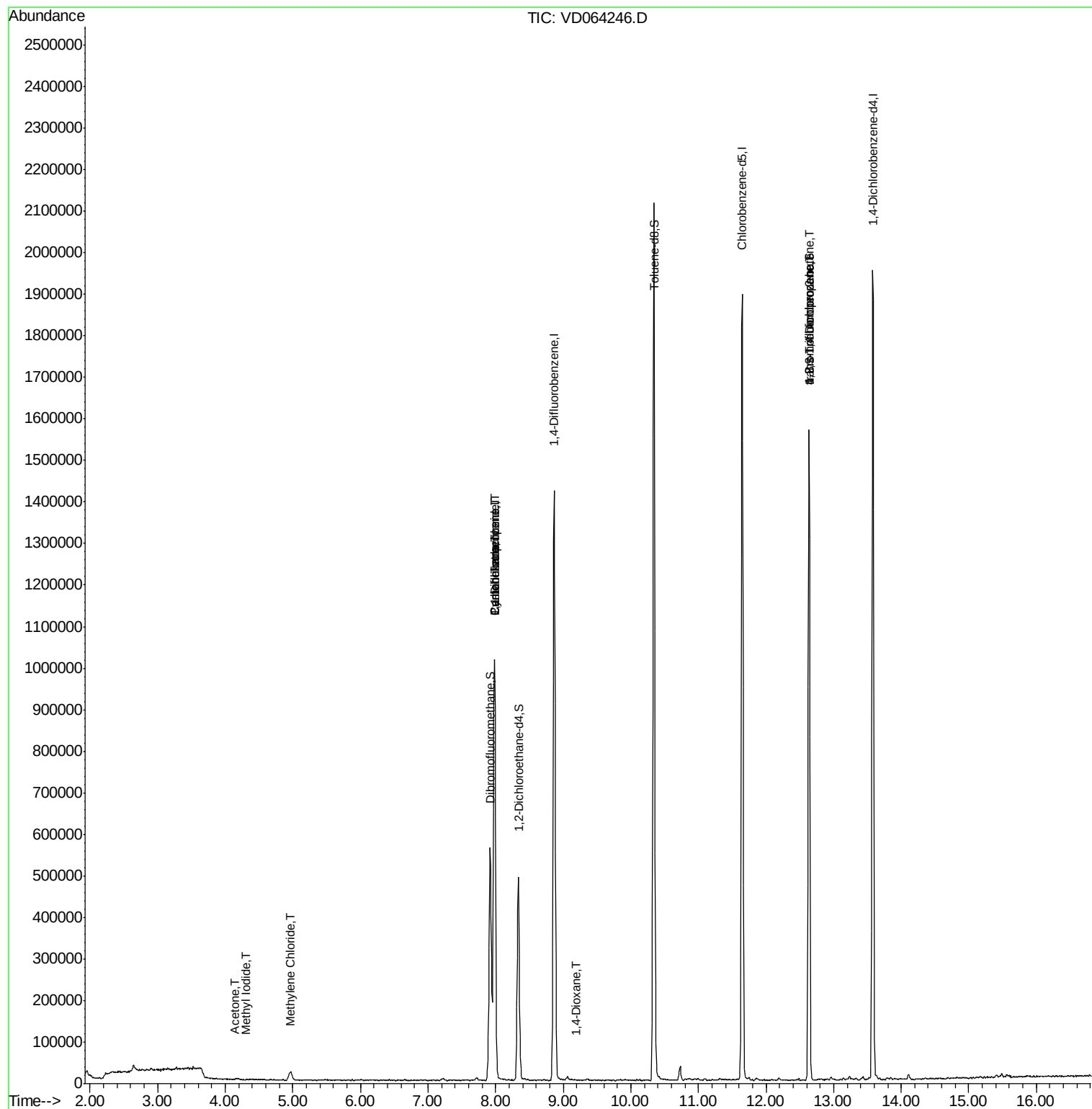
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	675	2.107	ug/l #	41
16) Acetone	4.16	43	1899	1.144	ug/l #	88
20) Methylene Chloride	4.97	84	16485	1.967	ug/l #	85
31) Cyclohexane	7.98	56	16631	1.210	ug/l #	33
36) 1,1-Dichloropropene	7.98	75	54580	4.765	ug/l #	50
38) Carbon Tetrachloride	7.98	117	74055	6.042	ug/l #	15
49) 1,4-Dioxane	9.18	88	59	1.204	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	248564	56.747	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	248564	112.722	ug/l #	10

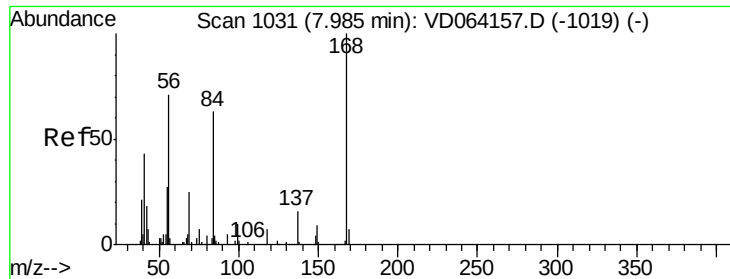
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1031

Delta R.T. -0.00 min

Lab File: VD064246.D

Acq: 16 Nov 2019 02:01

Instrument :

MSVOA_D

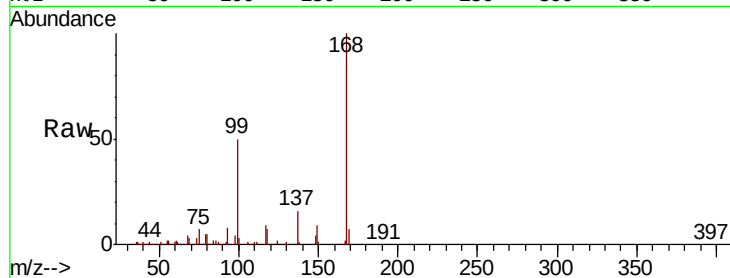
ClientSampleId :

Tot Ion:168 Resp: 851684

Ion Ratio Lower Upper

168 100

99 50.1 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VD

7.98

400000

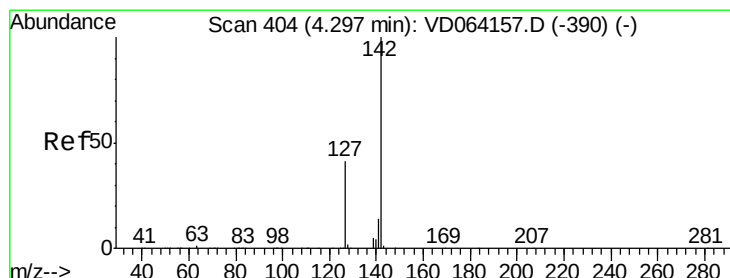
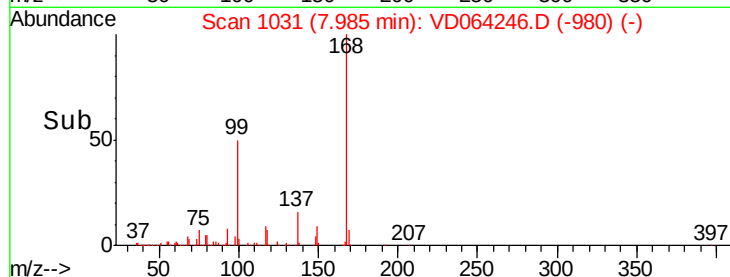
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.107 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064246.D

Acq: 16 Nov 2019 02:01

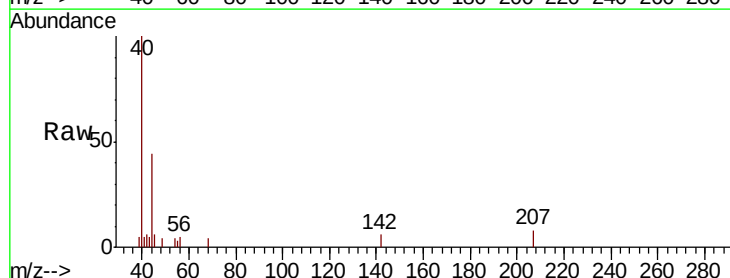
Tgt Ion:142 Resp: 675

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

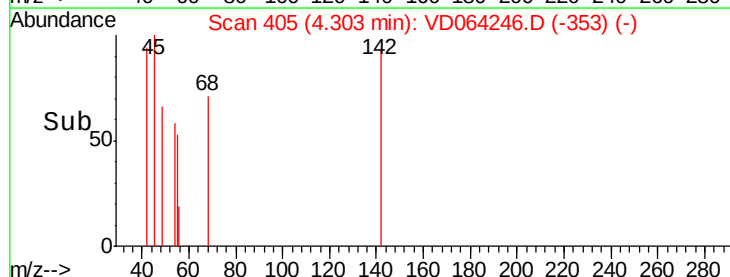
300

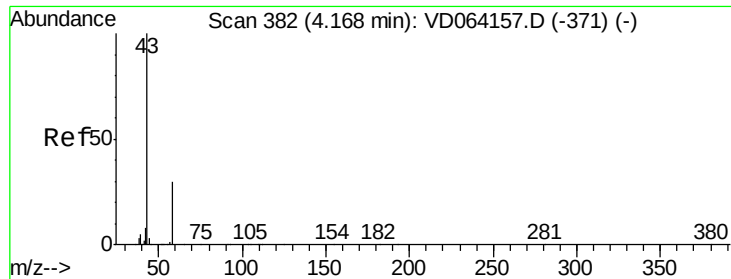
200

100

0

Time-->

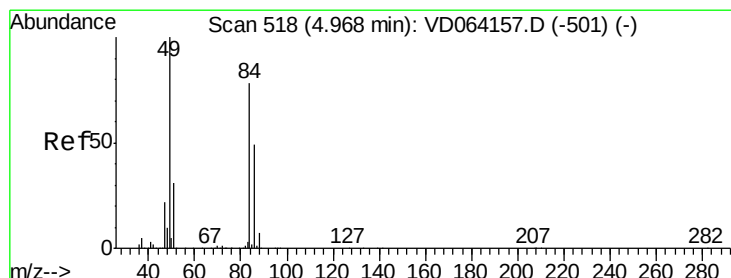
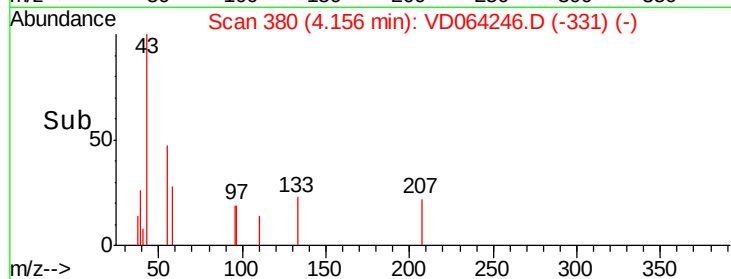
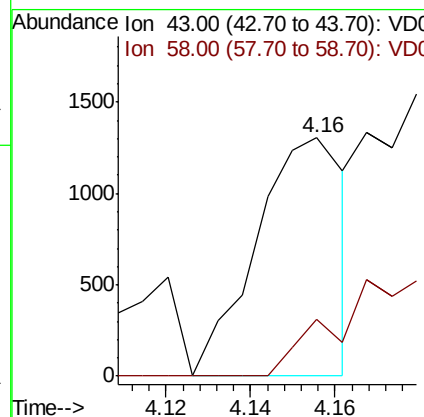
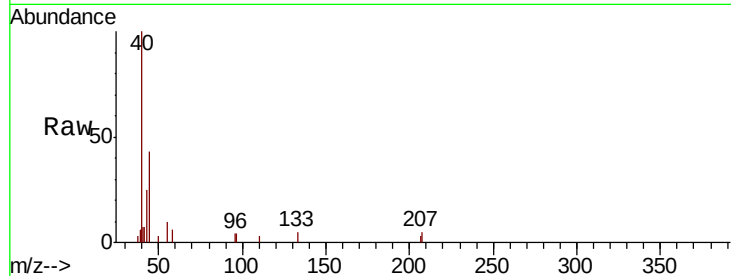




#16
Acetone
Concen: 1.144 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD064246.D
Acq: 16 Nov 2019 02:01

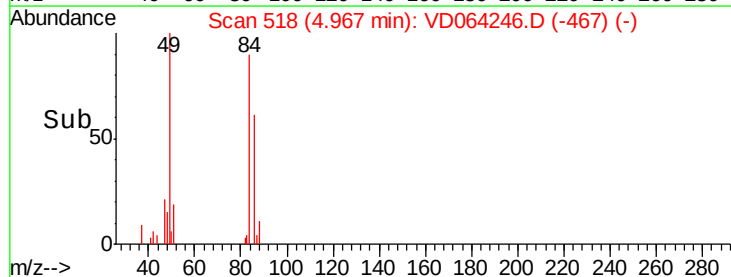
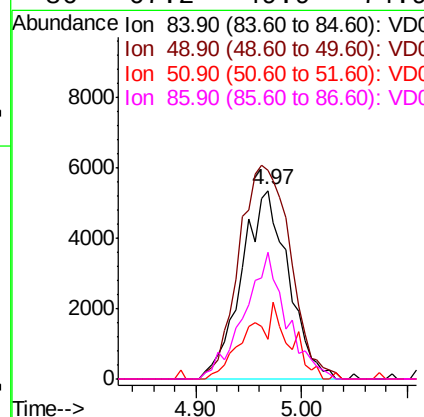
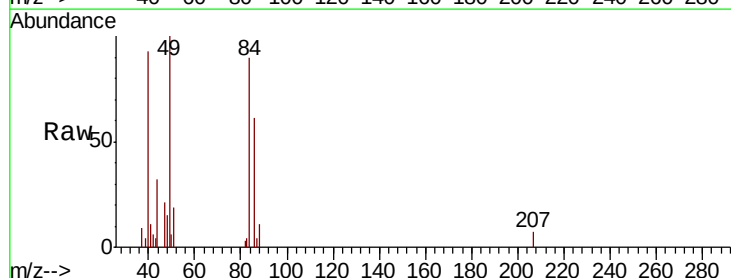
Instrument :
MSVOA_D
ClientSampleId :

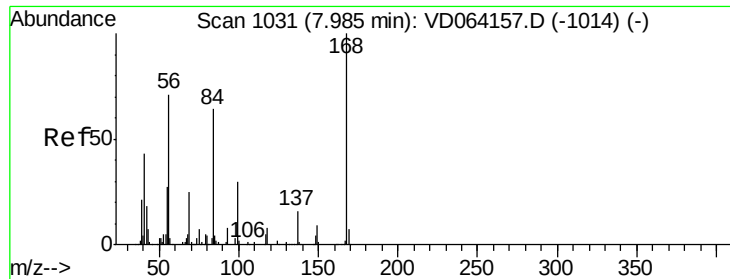
Tot Ion: 43 Resp: 1899
Ion Ratio Lower Upper
43 100
58 23.8 24.1 36.1#



#20
Methylene Chloride
Concen: 1.967 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064246.D
Acq: 16 Nov 2019 02:01

Tgt Ion: 84 Resp: 16485
Ion Ratio Lower Upper
84 100
49 110.7 102.1 153.1
51 21.1 32.2 48.2#
86 67.2 49.9 74.9

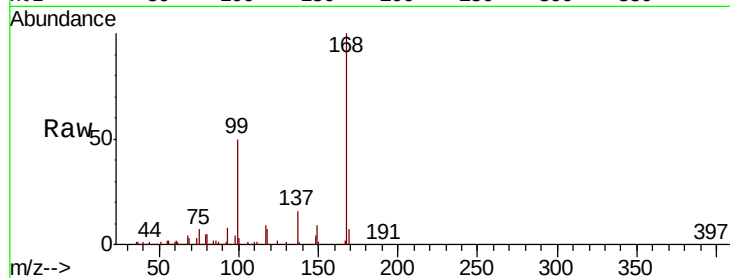




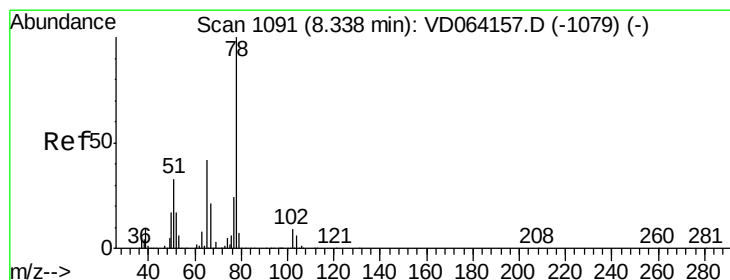
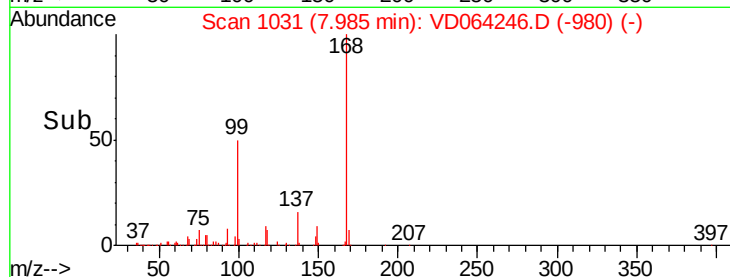
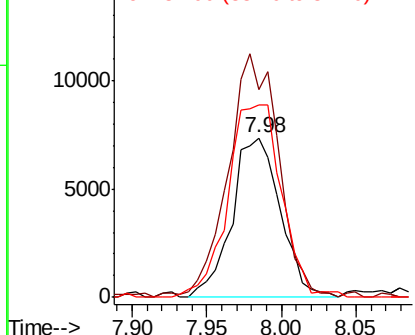
#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064246.D
Acq: 16 Nov 2019 02:01

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 16631
Ion Ratio Lower Upper
56 100
69 130.7 28.2 42.4#
84 117.5 71.8 107.6#

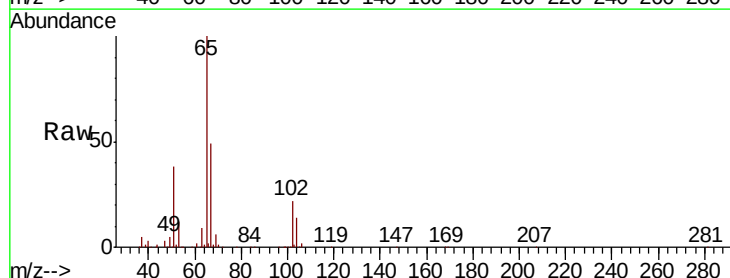


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

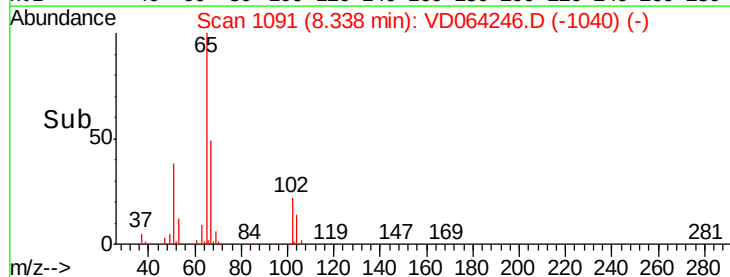
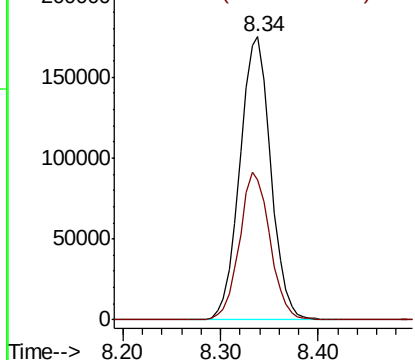


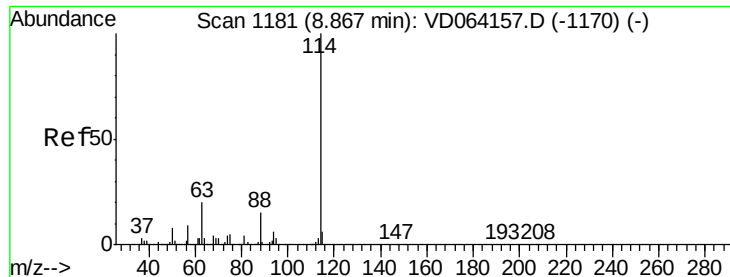
#33
1,2-Dichloroethane-d4
Concen: 55.402 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064246.D
Acq: 16 Nov 2019 02:01

Tgt Ion: 65 Resp: 388067
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.4



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

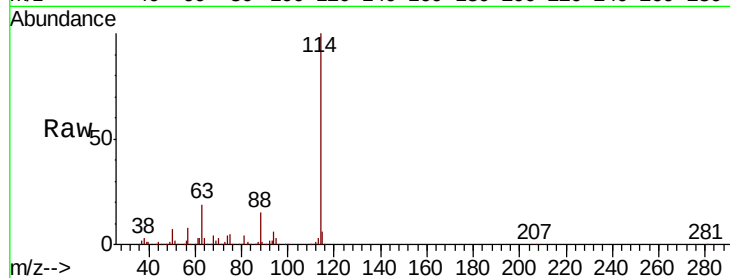




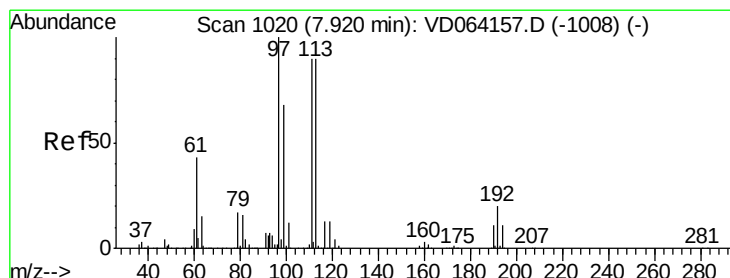
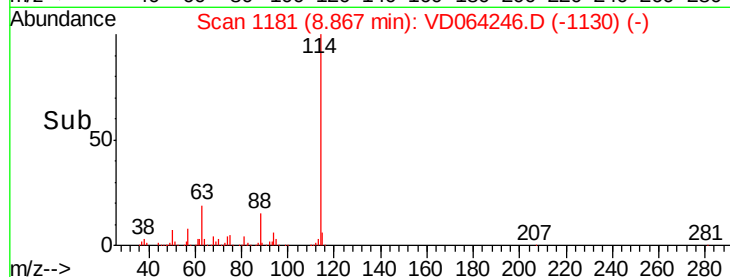
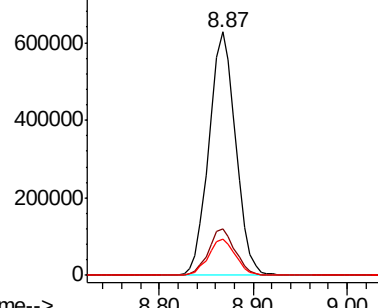
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064246.D
 Acq: 16 Nov 2019 02:01

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1241192
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 14.7 0.0 30.2

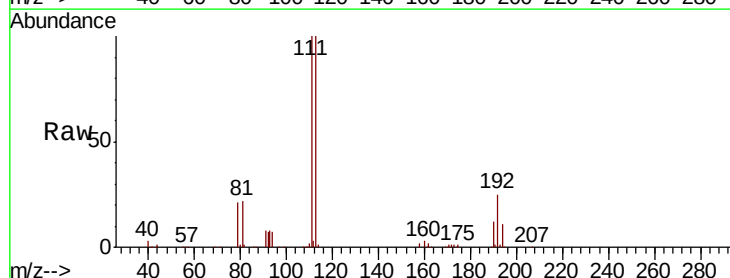


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

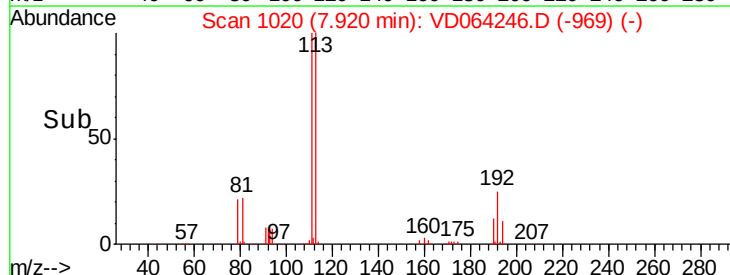
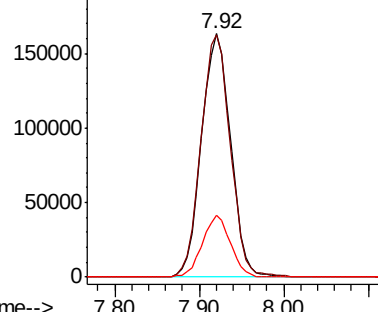


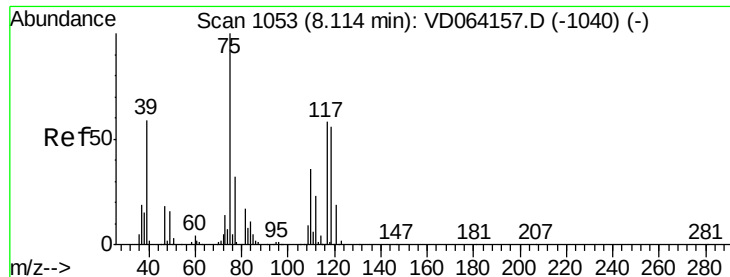
#35
 Dibromofluoromethane
 Concen: 54.470 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064246.D
 Acq: 16 Nov 2019 02:01

Tgt Ion:113 Resp: 388082
 Ion Ratio Lower Upper
 113 100
 111 100.0 81.5 122.3
 192 24.3 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: 4.765 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064246.D

Acq: 16 Nov 2019 02:01

Instrument :

MSVOA_D

ClientSampleId :

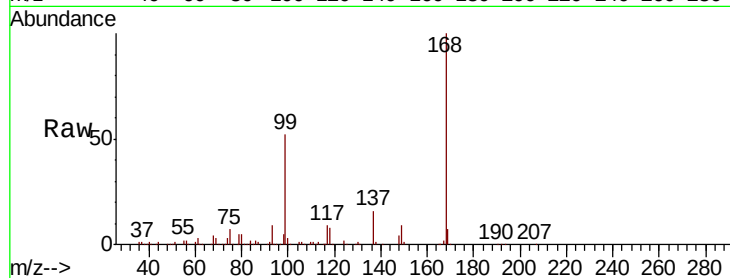
Tot Ion: 75 Resp: 54580

Ion Ratio Lower Upper

75 100

110 10.7 18.3 54.9#

77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD064157.D (-1040) (-)

Ion 109.90 (109.60 to 110.60): VD064157.D (-1040) (-)

Ion 76.90 (76.60 to 77.60): VD064157.D (-1040) (-)

7.98

30000

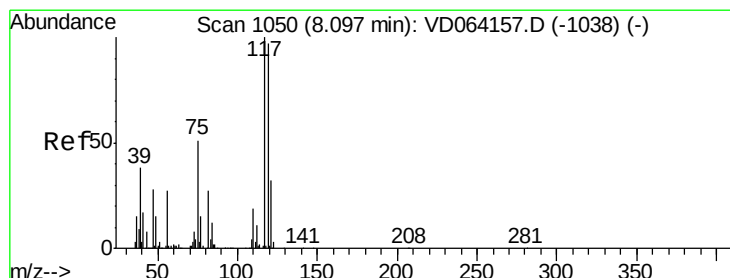
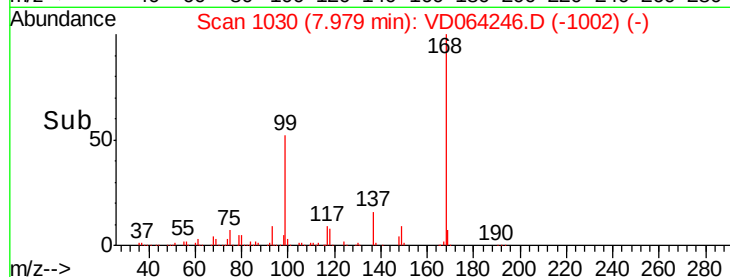
20000

10000

0

7.90 7.95 8.00 8.05

Time-->



#38

Carbon Tetrachloride

Concen: 6.042 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064246.D

Acq: 16 Nov 2019 02:01

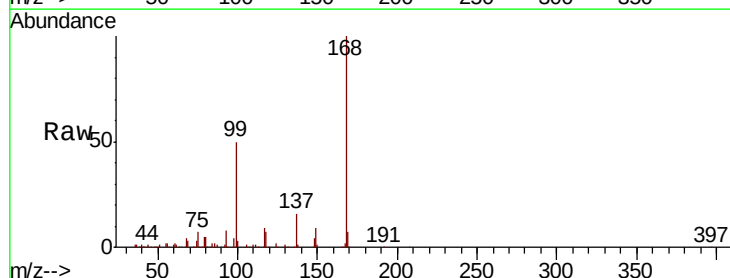
Tgt Ion: 117 Resp: 74055

Ion Ratio Lower Upper

117 100

119 4.6 77.2 115.8#

121 0.0 25.5 38.3#



Abundance Ion 116.80 (116.50 to 117.50): VD064157.D (-1038) (-)

Ion 118.80 (118.50 to 119.50): VD064157.D (-1038) (-)

Ion 120.80 (120.50 to 121.50): VD064157.D (-1038) (-)

7.98

40000

30000

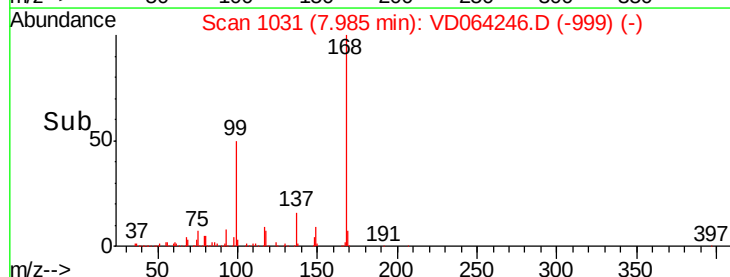
20000

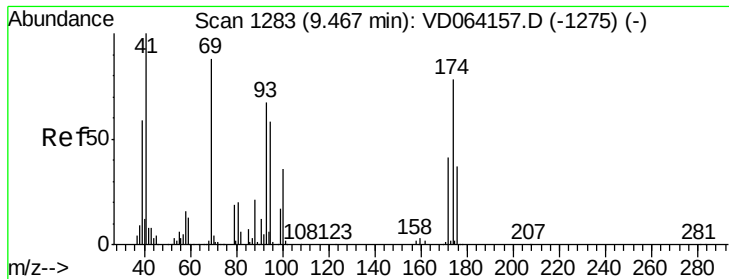
10000

0

7.90 7.95 8.00 8.05

Time-->

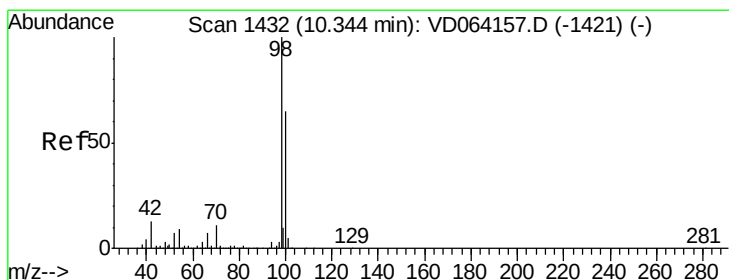
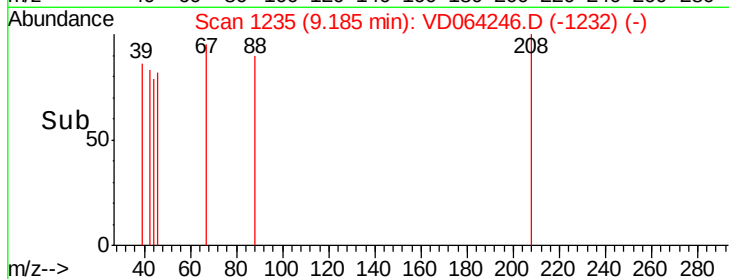
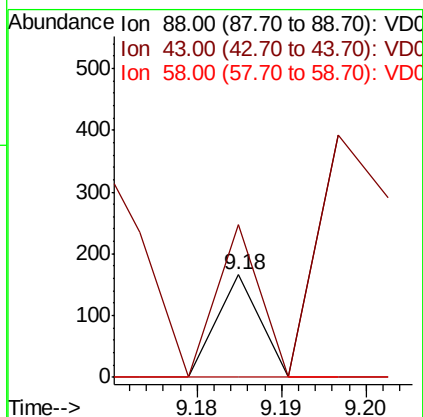
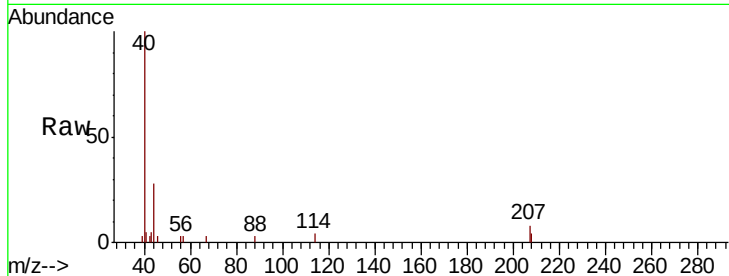




#49
1,4-Dioxane
Concen: 1.204 ug/l
RT: 9.18 min Scan# 1235
Delta R.T. -0.28 min
Lab File: VD064246.D
Acq: 16 Nov 2019 02:01

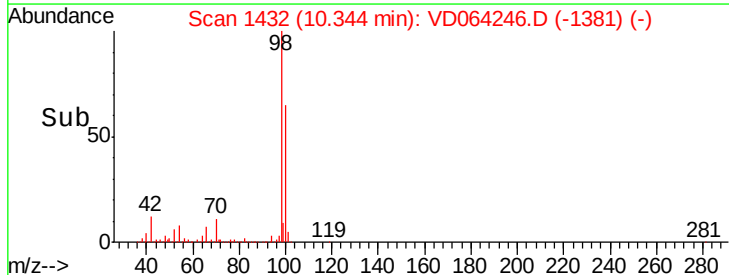
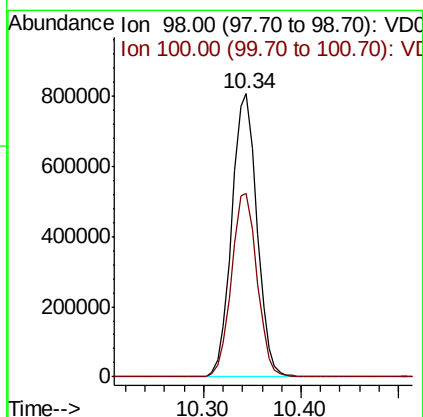
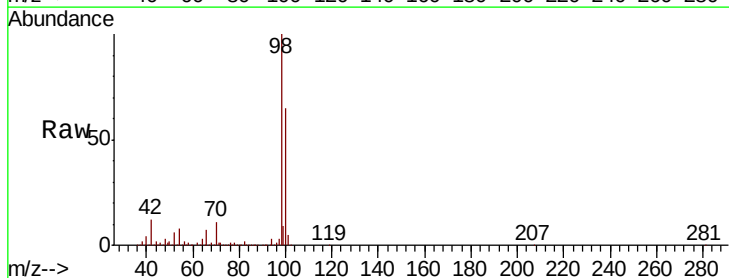
Instrument :
MSVOA_D
ClientSampled :

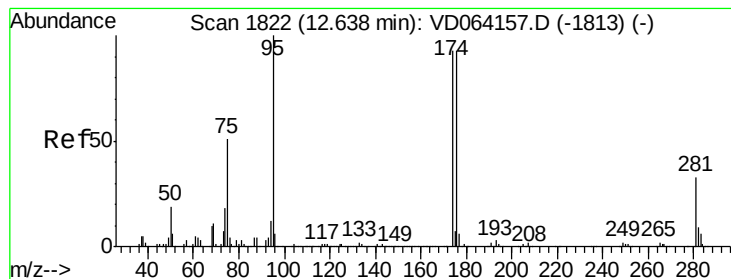
Tot Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 1237.3 29.8 44.8#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 53.998 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064246.D
Acq: 16 Nov 2019 02:01

Tgt Ion: 98 Resp: 1451317
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 51.334 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064246.D

Acq: 16 Nov 2019 02:01

Instrument :

MSVOA_D

ClientSampleId :

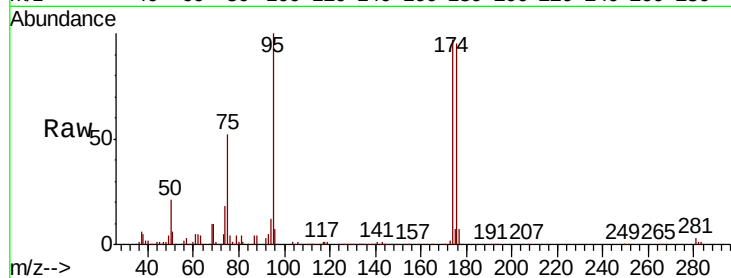
Tot Ion: 95 Resp: 477800

Ion Ratio Lower Upper

95 100

174 96.0 0.0 183.6

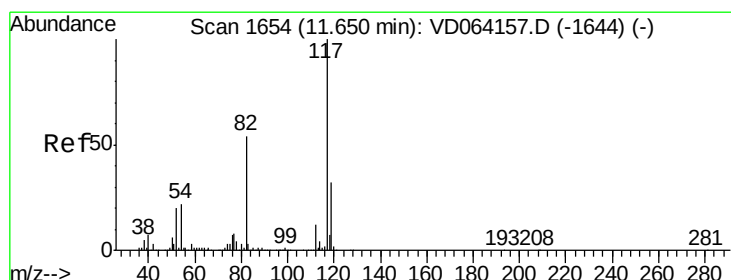
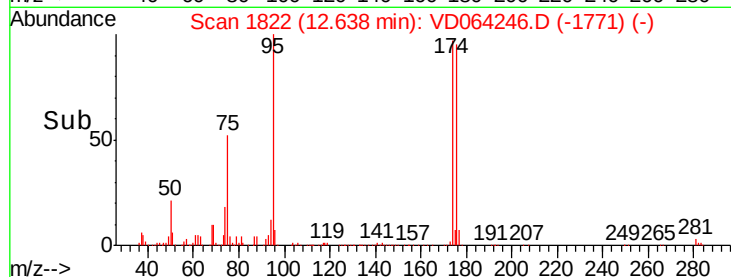
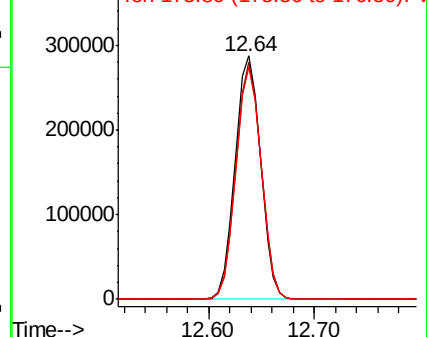
176 94.5 0.0 180.2



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: VD064246.D

Acq: 16 Nov 2019 02:01

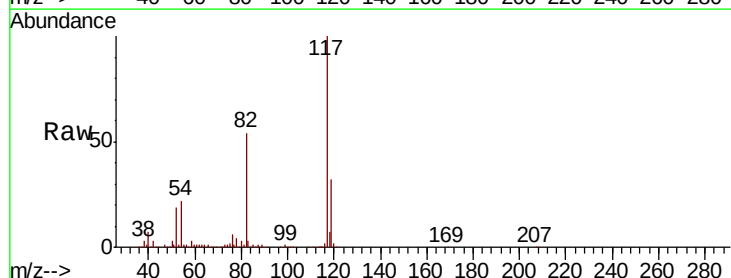
Tgt Ion: 117 Resp: 1098602

Ion Ratio Lower Upper

117 100

82 54.2 42.8 64.2

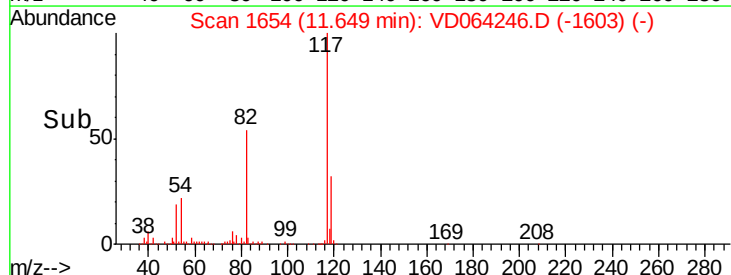
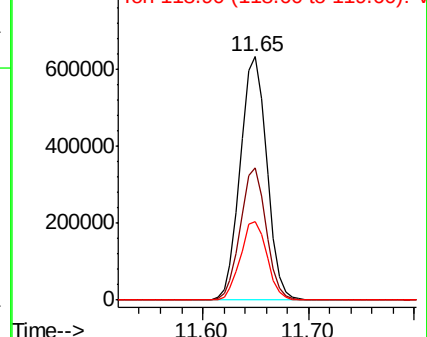
119 32.0 25.6 38.4

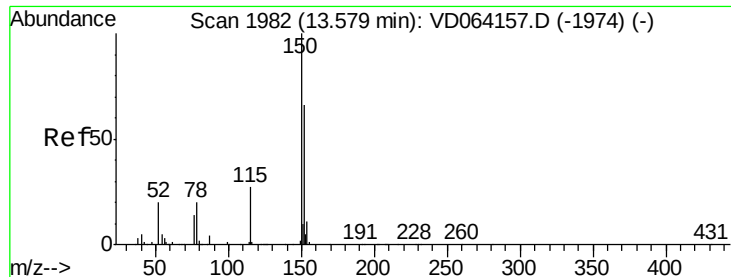


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1982

Delta R.T. -0.00 min

Lab File: VD064246.D

Acq: 16 Nov 2019 02:01

Instrument :

MSVOA_D

ClientSampleId :

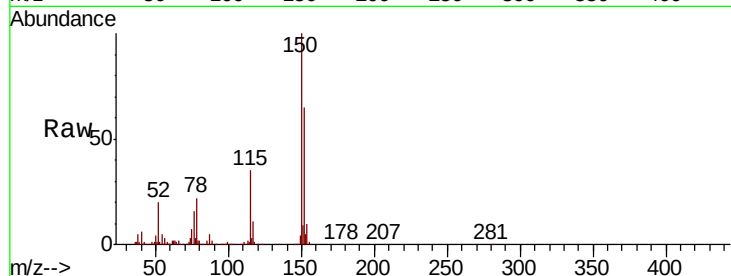
Tot Ion:152 Resp: 543806

Ion Ratio Lower Upper

152 100

115 54.1 27.4 82.2

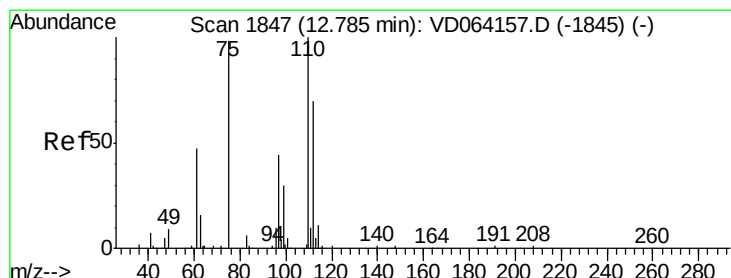
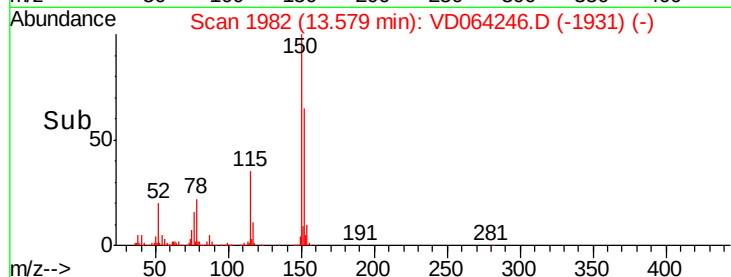
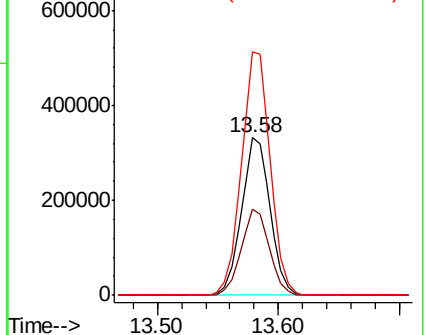
150 156.2 0.0 351.6



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: 56.747 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064246.D

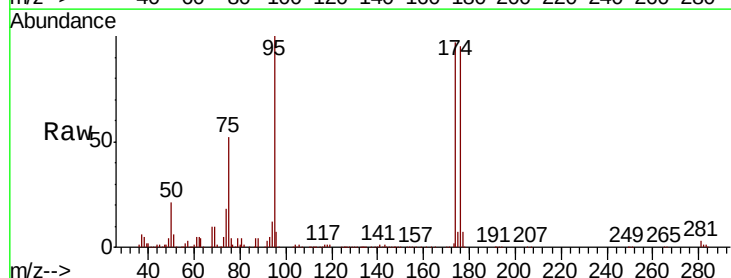
Acq: 16 Nov 2019 02:01

Tgt Ion: 75 Resp: 248564

Ion Ratio Lower Upper

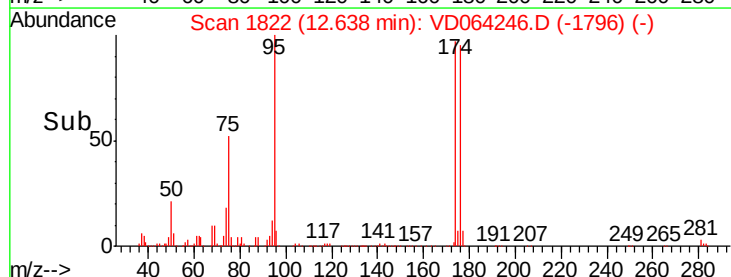
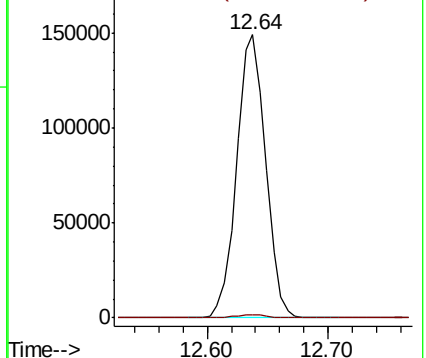
75 100

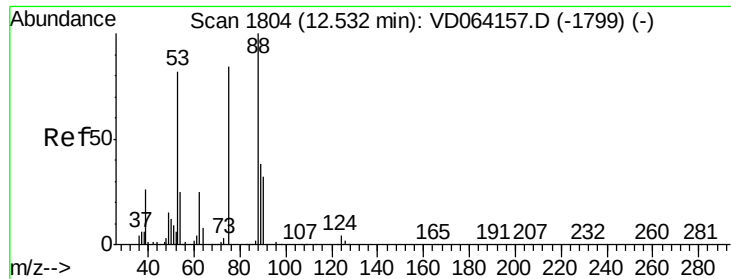
77 1.2 0.0 0.0#



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: 112.722 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064246.D

Acq: 16 Nov 2019 02:01

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 248564

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#

