

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064358.D
 Acq On : 25 Nov 2019 14:06
 Operator : VA/SY
 Sample : K5676-31
 Misc : 7.25G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 26 05:35:41 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	848850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1255934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1105883	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	522038	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	365353	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	7.92	113	378884	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
50) Toluene-d8	10.34	98	1469143	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
62) 4-Bromofluorobenzene	12.64	95	470789	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	

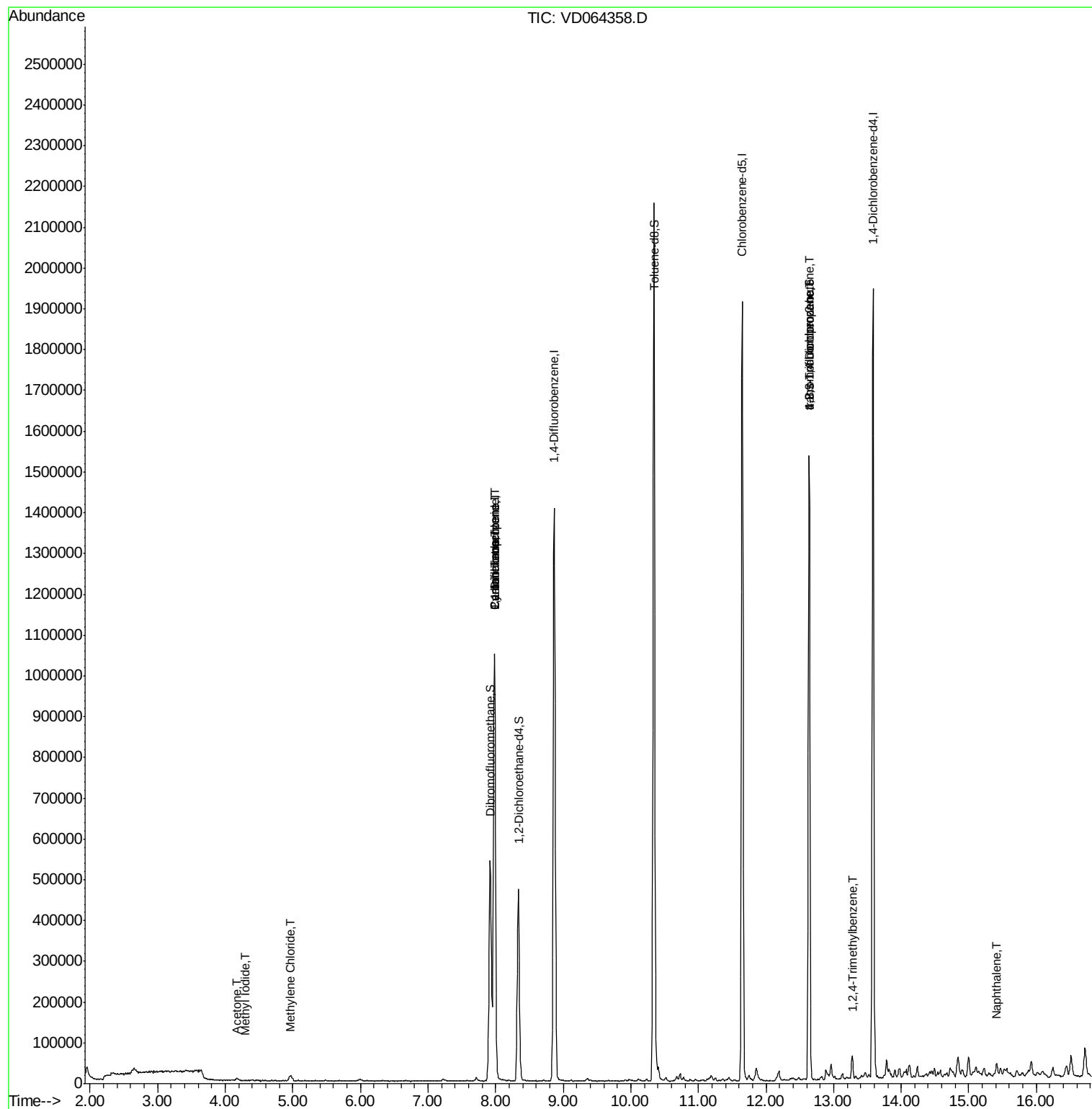
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	312	2.066	ug/l #	41
16) Acetone	4.17	43	9067	5.482	ug/l	99
20) Methylene Chloride	4.96	84	9715	1.163	ug/l	94
31) Cyclohexane	7.98	56	16885	1.232	ug/l #	14
36) 1,1-Dichloropropene	7.99	75	57346	4.947	ug/l #	48
38) Carbon Tetrachloride	7.99	117	78404	6.321	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	243076	57.808	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	243076	114.830	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.28	105	32111	1.033	ug/l	99
95) Naphthalene	15.41	128	23268	1.258	ug/l	98

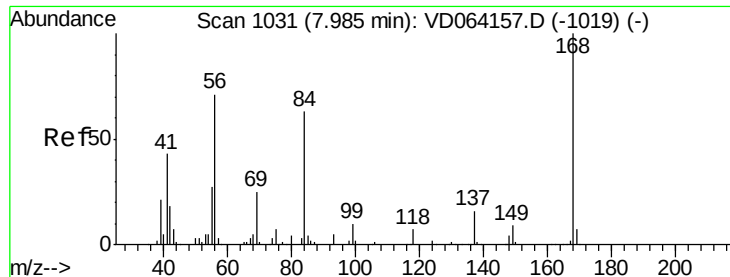
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064358.D

Acq: 25 Nov 2019 14:06

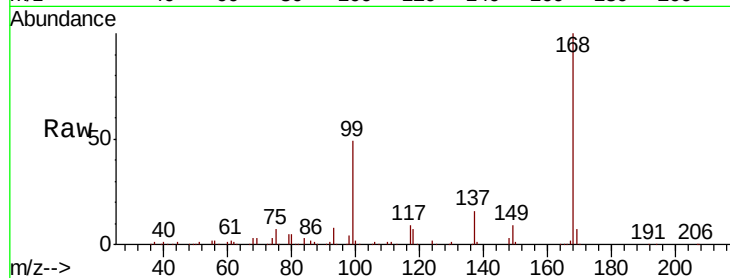
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 848850

Ion Ratio Lower Upper

168 100

99 49.3 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

400000

300000

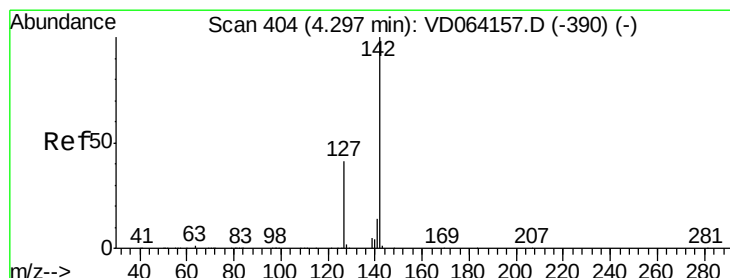
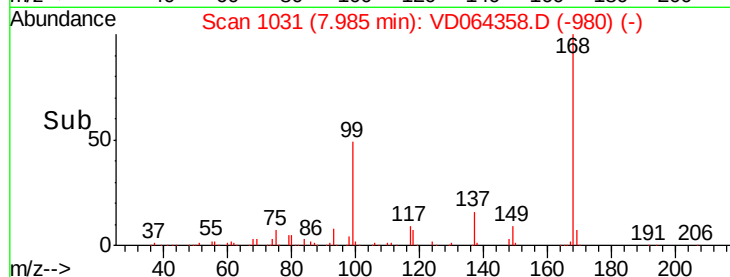
200000

100000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 2.066 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064358.D

Acq: 25 Nov 2019 14:06

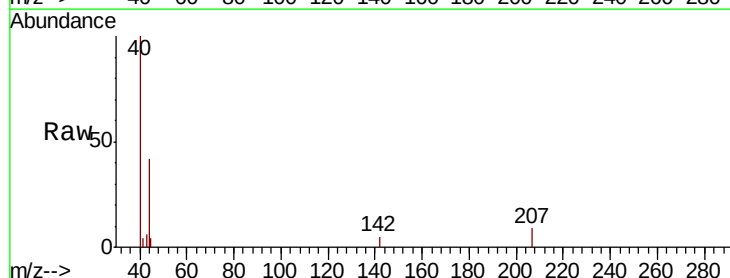
Tgt Ion:142 Resp: 312

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

400

300

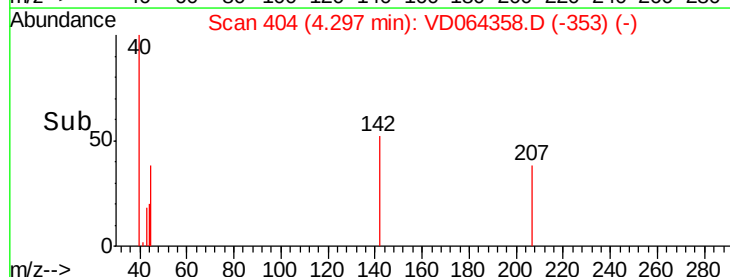
200

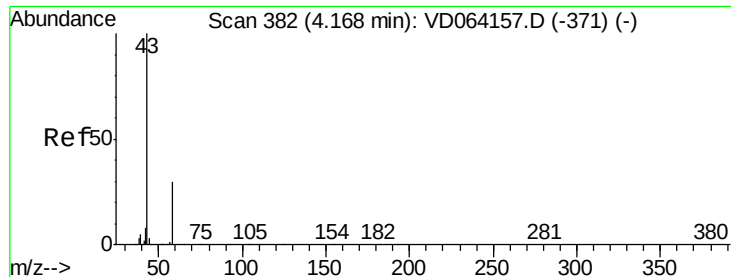
100

0

4.28 4.30 4.32

Time-->





#16

Acetone

Concen: 5.482 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064358.D

Acq: 25 Nov 2019 14:06

Instrument :

MSVOA_D

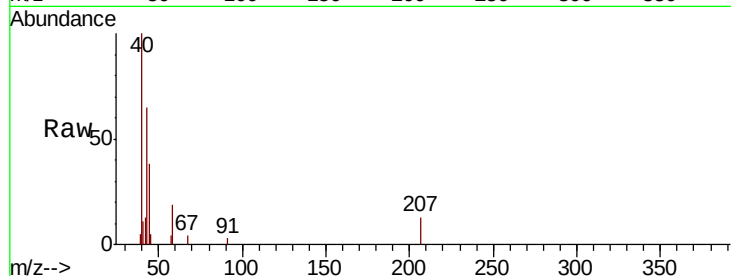
ClientSampleId :

Tot Ion: 43 Resp: 9067

Ion Ratio Lower Upper

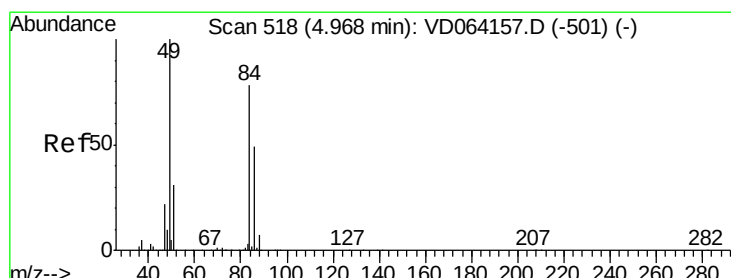
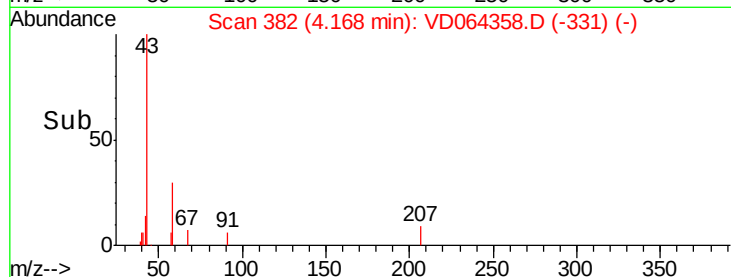
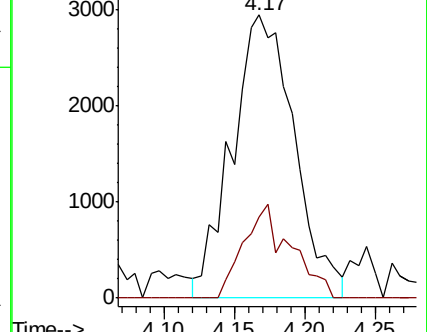
43 100

58 30.8 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 1.163 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064358.D

Acq: 25 Nov 2019 14:06

Tgt Ion: 84 Resp: 9715

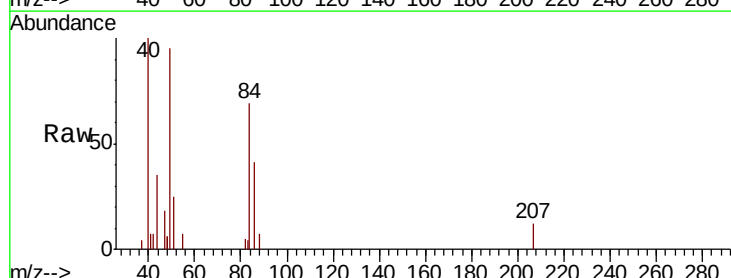
Ion Ratio Lower Upper

84 100

49 136.2 102.1 153.1

51 36.0 32.2 48.2

86 59.4 49.9 74.9

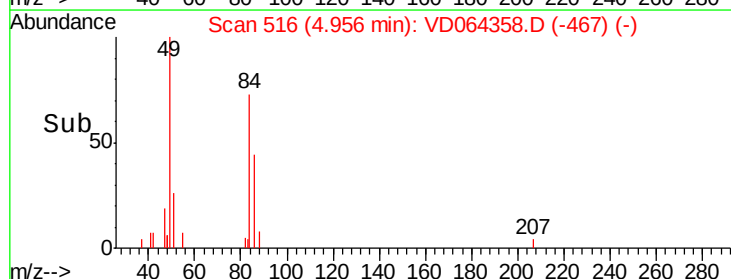
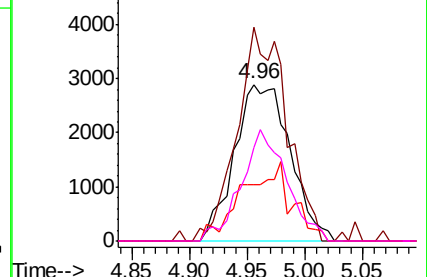


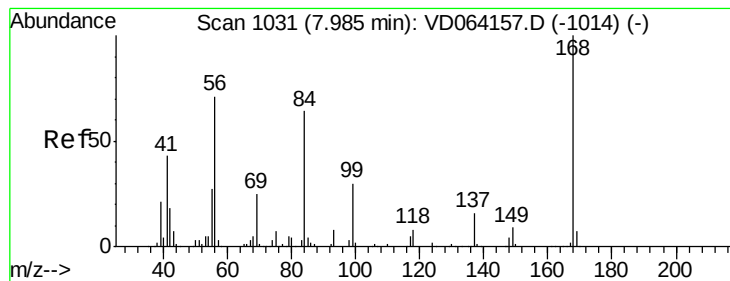
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#31

Cyclohexane

Concen: 1.232 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064358.D

Acq: 25 Nov 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

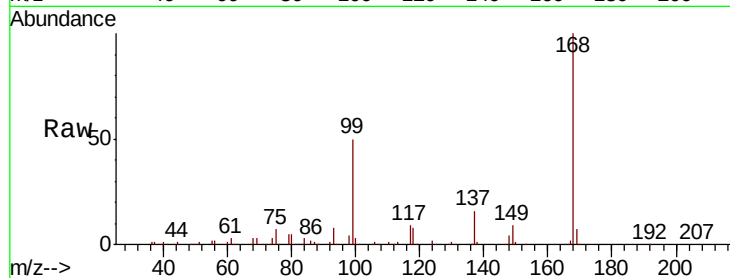
Tot Ion: 56 Resp: 16885

Ion Ratio Lower Upper

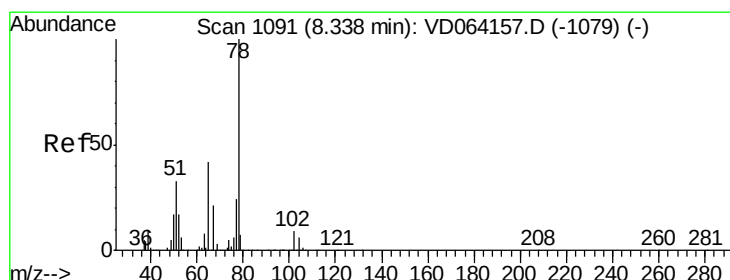
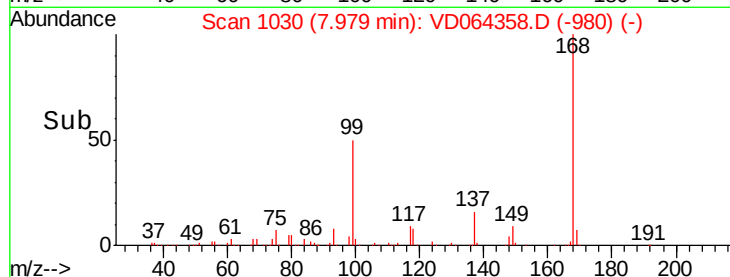
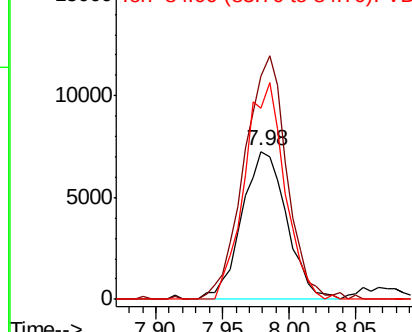
56 100

69 150.8 28.2 42.4#

84 129.2 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: 52.333 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064358.D

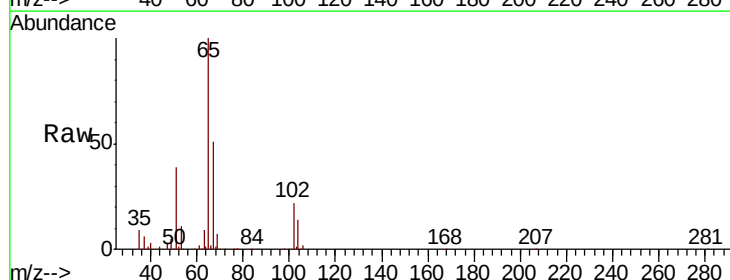
Acq: 25 Nov 2019 14:06

Tgt Ion: 65 Resp: 365353

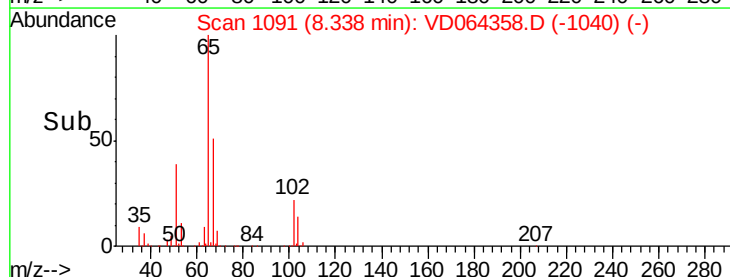
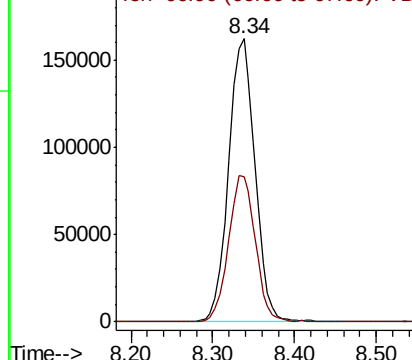
Ion Ratio Lower Upper

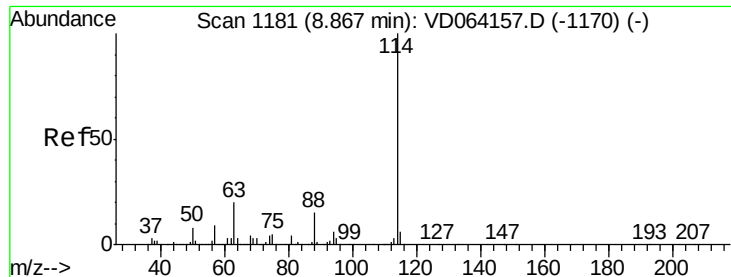
65 100

67 52.1 0.0 104.4



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

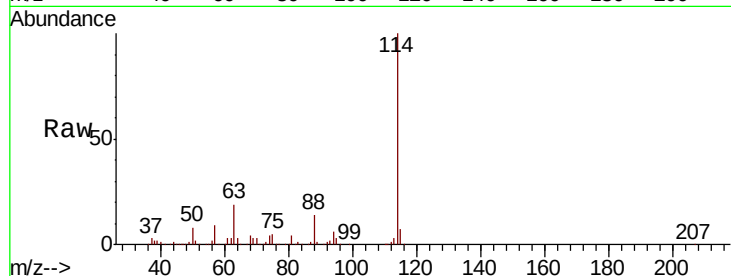




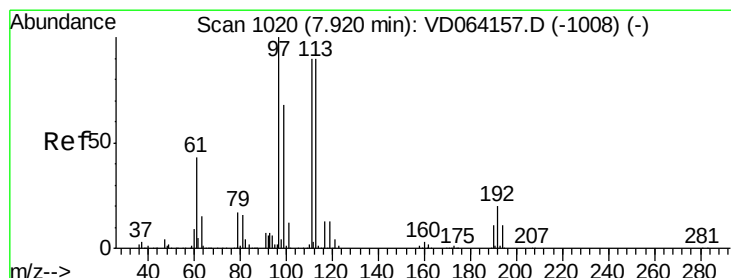
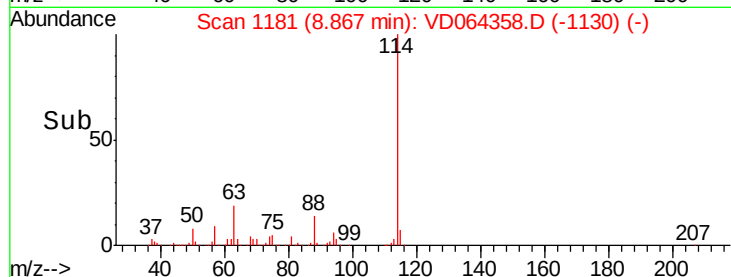
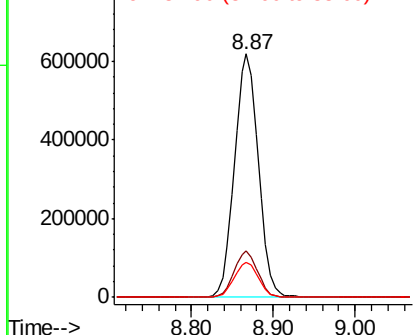
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064358.D
 Acq: 25 Nov 2019 14:06

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1255934
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 40.0
 88 14.2 0.0 30.2

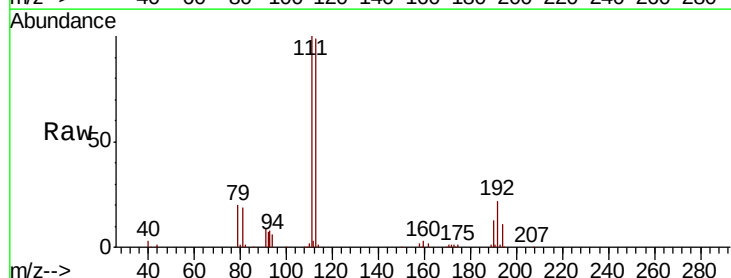


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

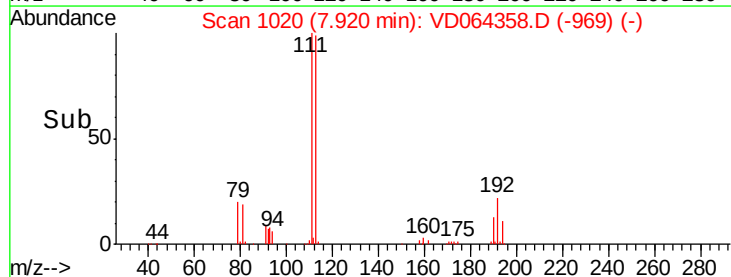
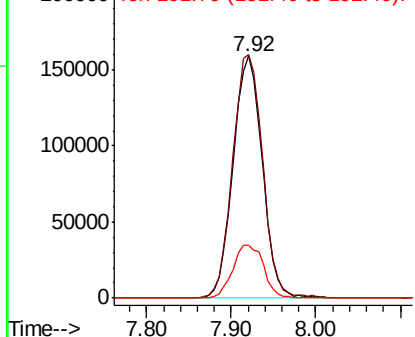


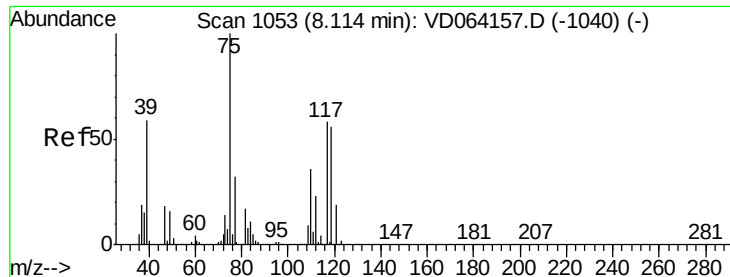
#35
 Dibromofluoromethane
 Concen: 52.555 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064358.D
 Acq: 25 Nov 2019 14:06

Tgt Ion:113 Resp: 378884
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.5 122.3
 192 23.2 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: 4.947 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064358.D

Acq: 25 Nov 2019 14:06

Instrument :

MSVOA_D

ClientSampleId :

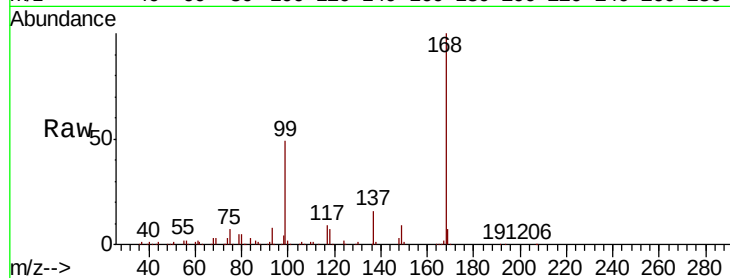
Tot Ion: 75 Resp: 57346

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.9#

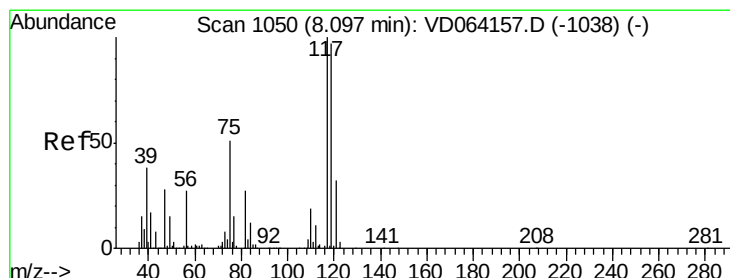
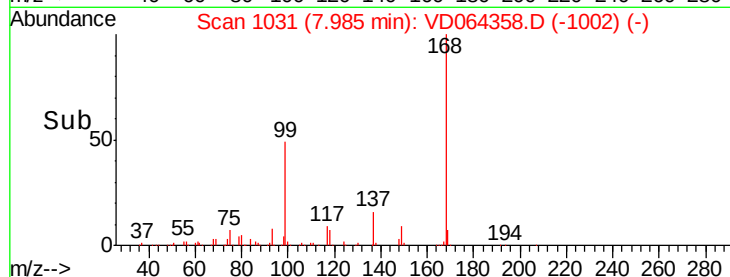
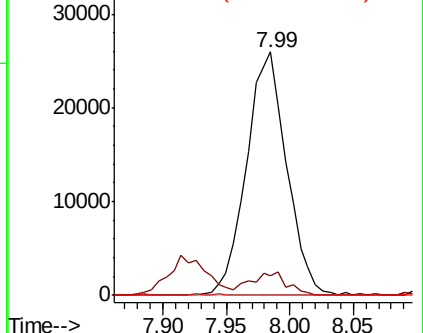
77 0.0 25.0 37.6#



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: 6.321 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064358.D

Acq: 25 Nov 2019 14:06

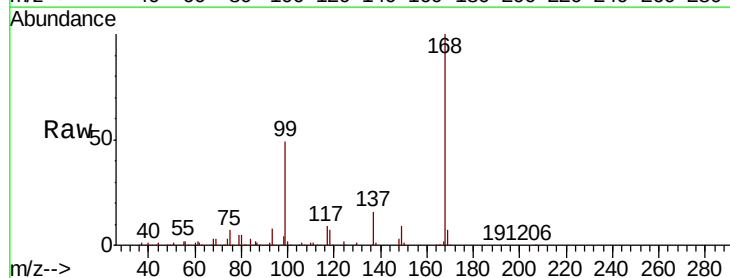
Tgt Ion: 117 Resp: 78404

Ion Ratio Lower Upper

117 100

119 5.0 77.2 115.8#

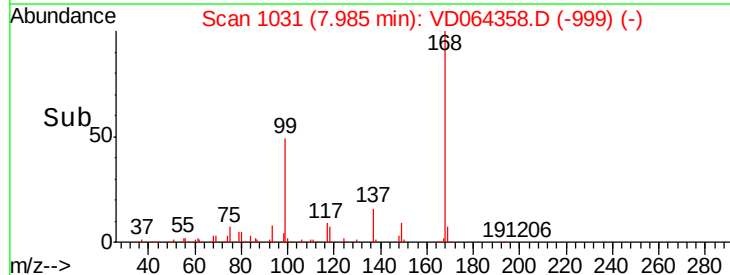
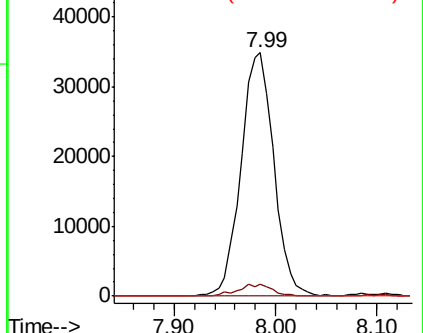
121 0.0 25.5 38.3#

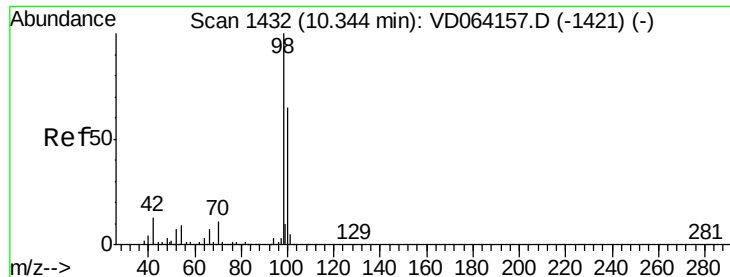


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

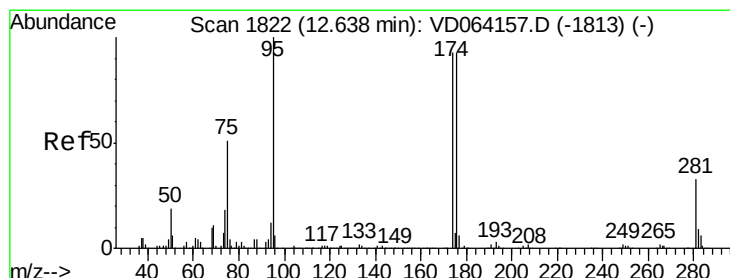
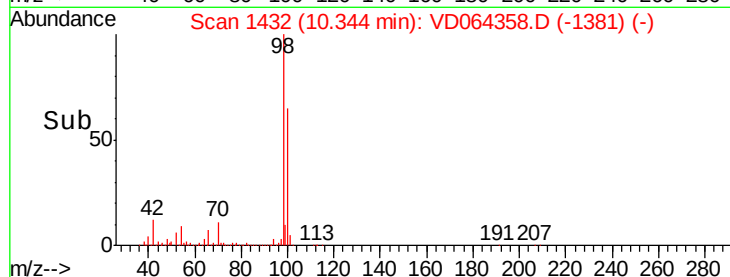
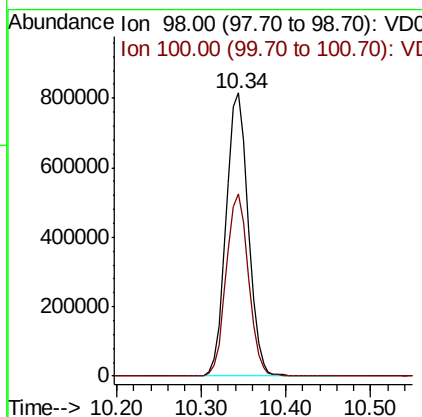
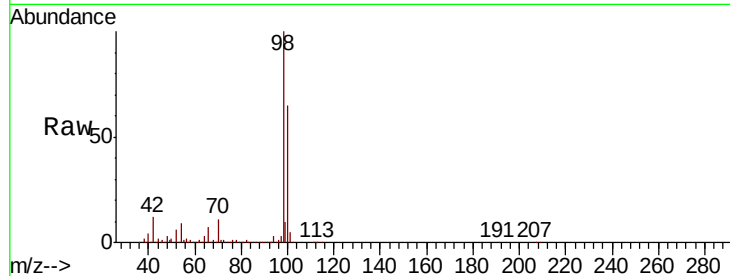




#50
Toluene-d8
Concen: 54.020 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064358.D
Acq: 25 Nov 2019 14:06

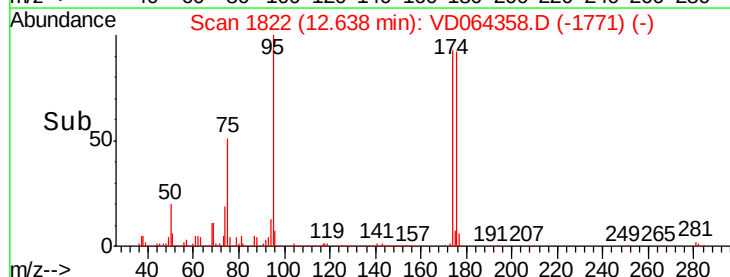
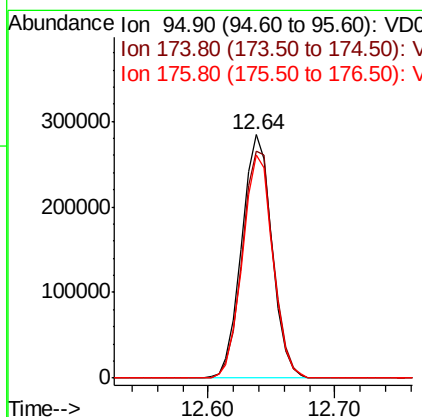
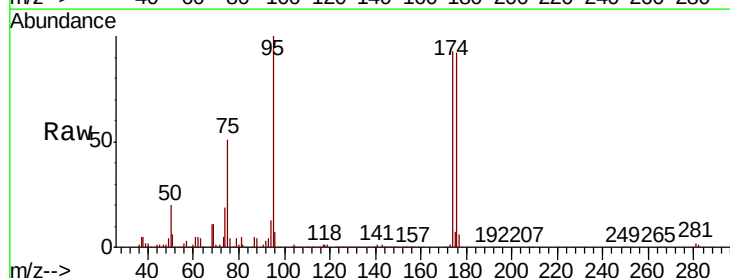
Instrument :
MSVOA_D
ClientSampleId :

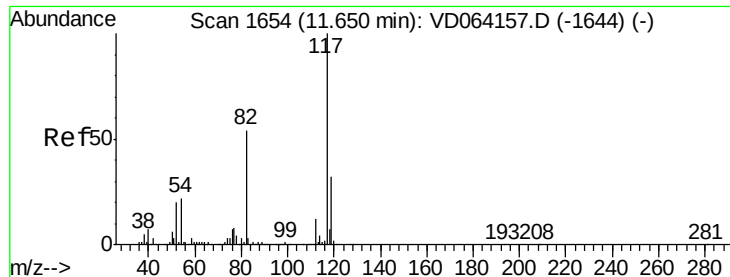
Tot Ion: 98 Resp: 1469143
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 49.987 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064358.D
Acq: 25 Nov 2019 14:06

Tgt Ion: 95 Resp: 470789
Ion Ratio Lower Upper
95 100
174 95.7 0.0 183.6
176 92.3 0.0 180.2

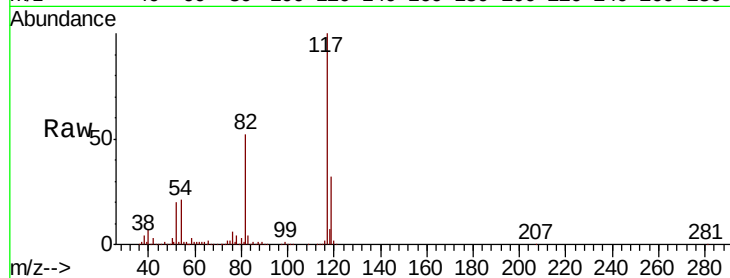




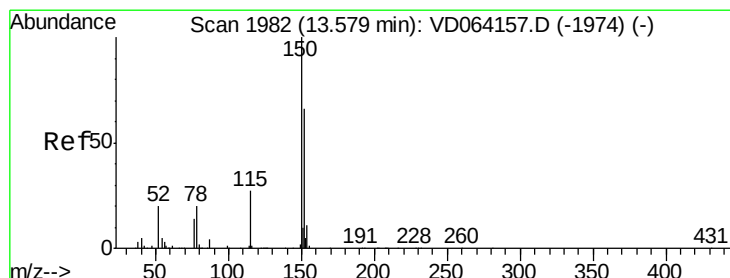
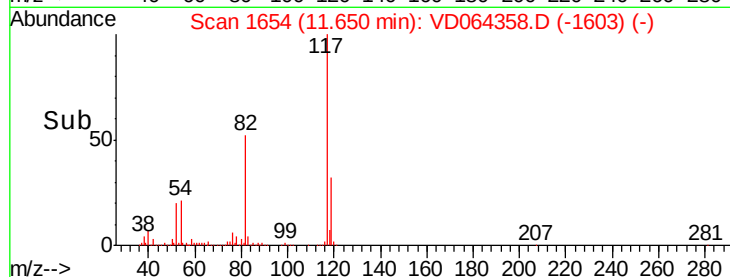
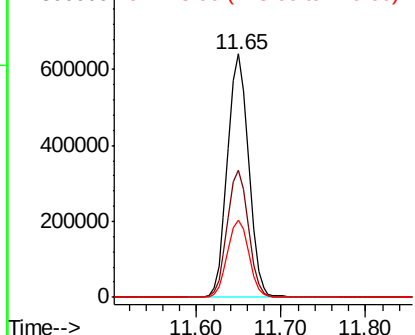
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064358.D
Acq: 25 Nov 2019 14:06

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1105883
Ion Ratio Lower Upper
117 100
82 52.1 42.8 64.2
119 31.5 25.6 38.4

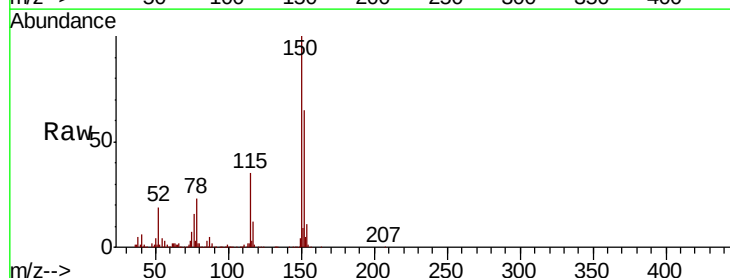


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

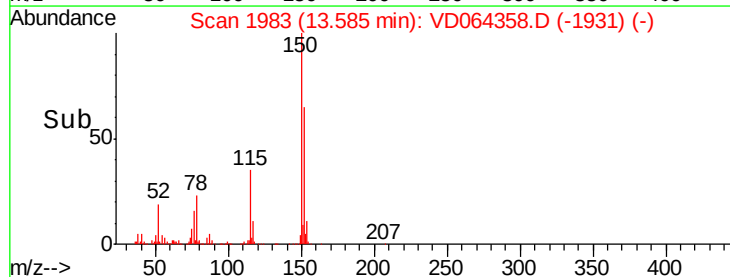
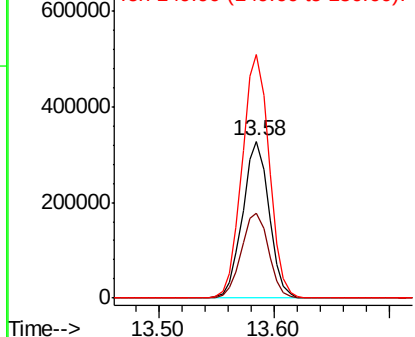


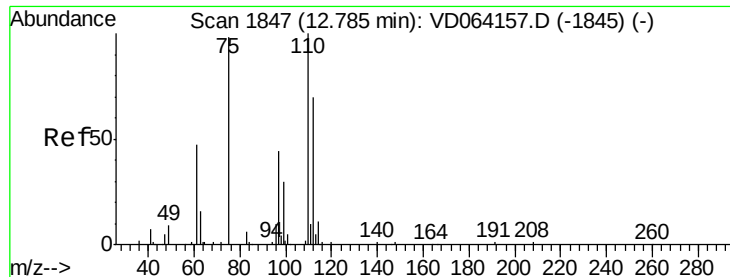
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064358.D
Acq: 25 Nov 2019 14:06

Tgt Ion:152 Resp: 522038
Ion Ratio Lower Upper
152 100
115 56.3 27.4 82.2
150 158.7 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: 57.808 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064358.D

Acq: 25 Nov 2019 14:06

Instrument :

MSVOA_D

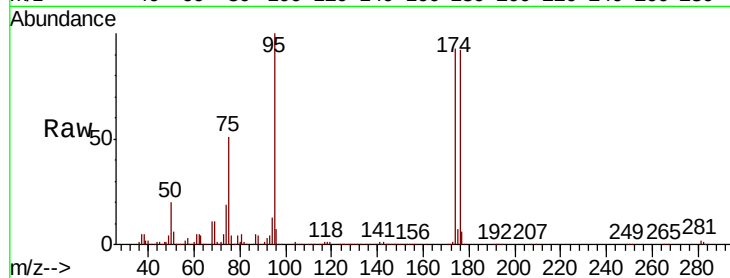
ClientSampleId :

Tot Ion: 75 Resp: 243076

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

150000

100000

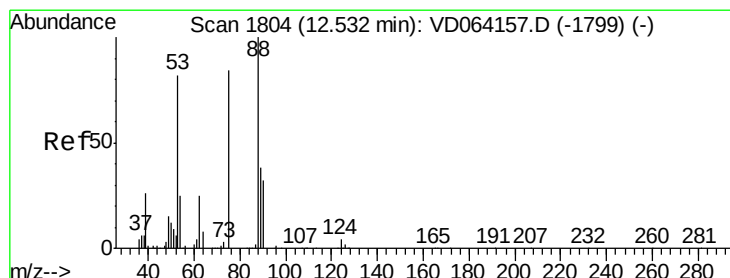
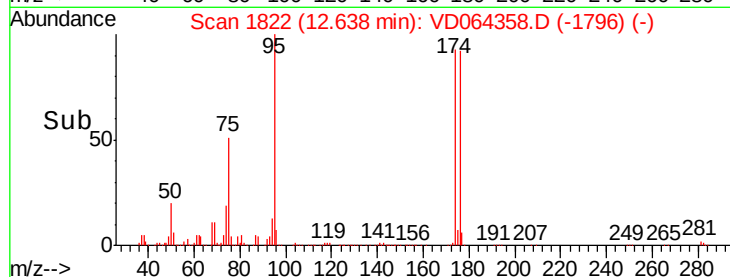
50000

0

12.64

12.60 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 114.830 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064358.D

Acq: 25 Nov 2019 14:06

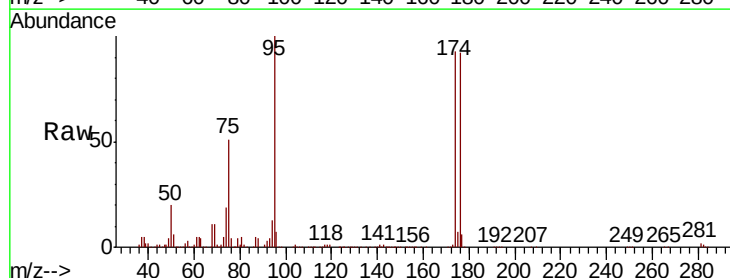
Tgt Ion: 75 Resp: 243076

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

200000

150000

100000

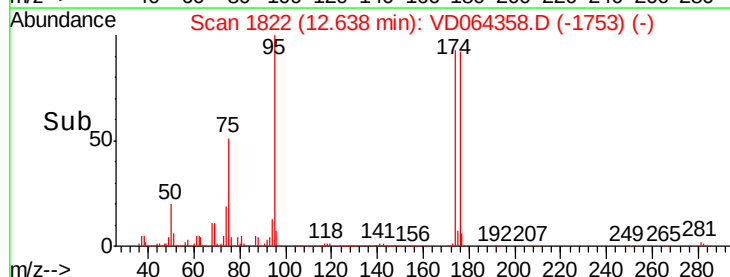
50000

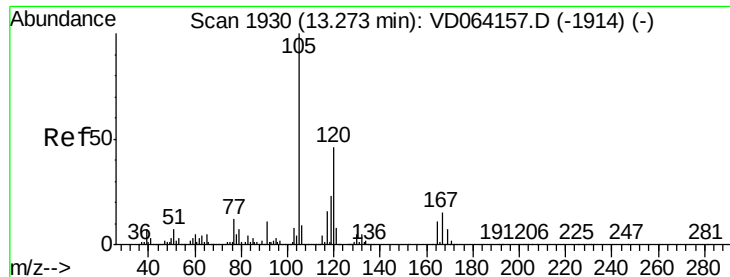
0

12.64

12.60 12.70

Time-->

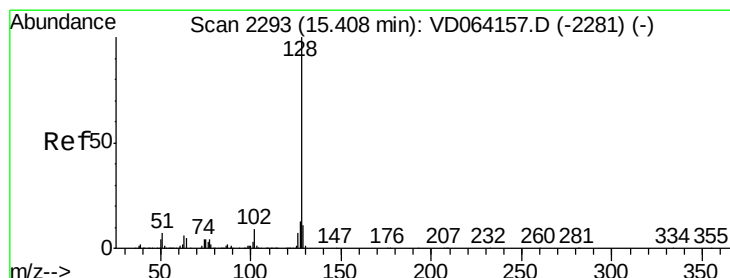
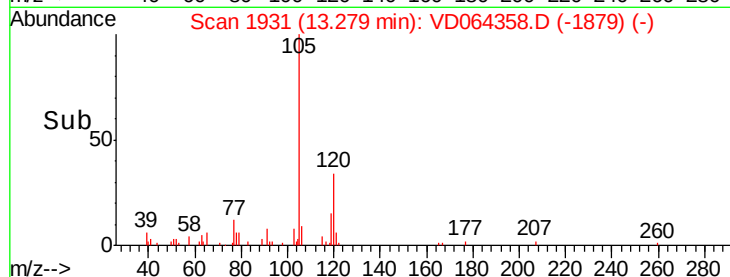
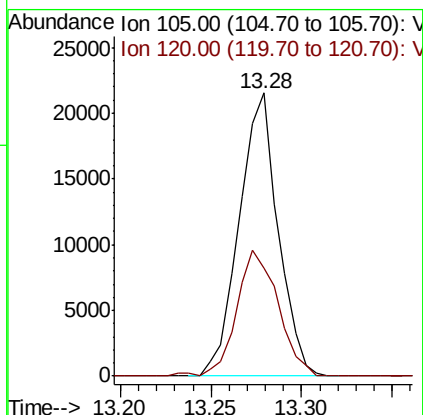
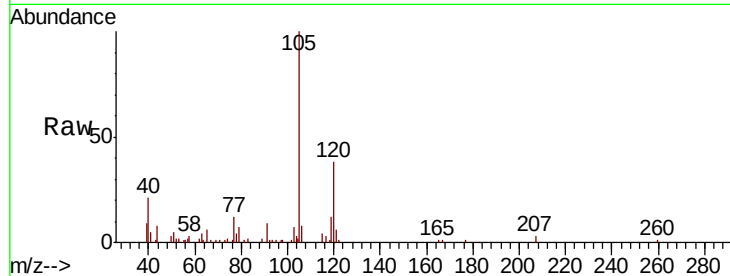




#84
 1,2,4-Trimethylbenzene
 Concen: 1.033 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064358.D
 Acq: 25 Nov 2019 14:06

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:105 Resp: 32111
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.3 69.8



#95
 Naphthalene
 Concen: 1.258 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VD064358.D
 Acq: 25 Nov 2019 14:06

Tgt Ion:128 Resp: 23268
 Ion Ratio Lower Upper
 128 100
 127 14.1 10.5 15.7
 129 11.3 8.6 13.0

