

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064330.D
 Acq On : 21 Nov 2019 17:54
 Operator : VA/SY
 Sample : K5973-04
 Misc : 7.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:43:23 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

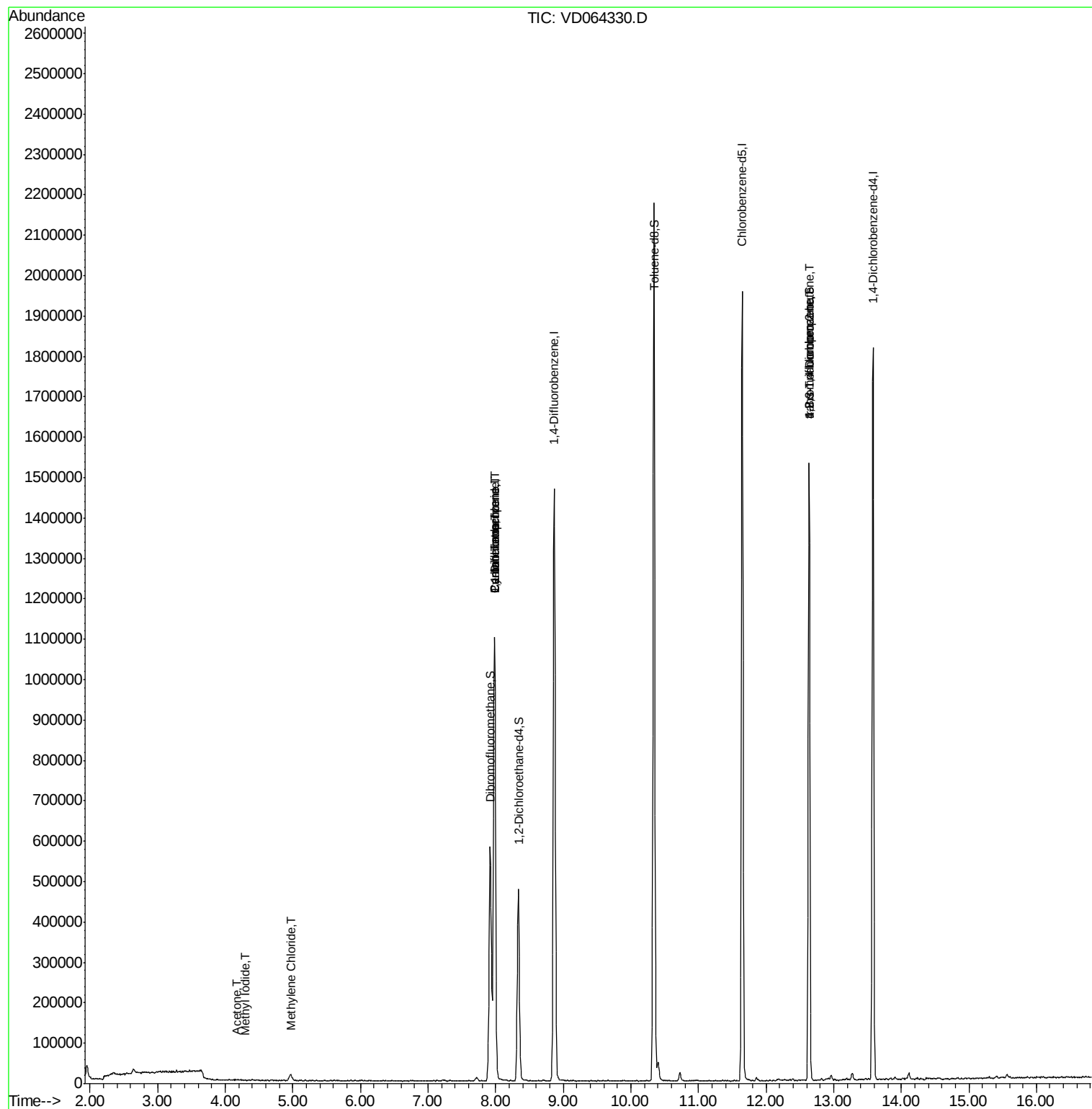
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	917279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1316395	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1120929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	507731	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	371703	49.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.54%	
35) Dibromofluoromethane	7.92	113	395439	52.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.66%	
50) Toluene-d8	10.34	98	1524142	53.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.94%	
62) 4-Bromofluorobenzene	12.64	95	467582	47.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.74%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.29	142	308	2.063	ug/l #	70
16) Acetone	4.17	43	2099	1.174	ug/l #	45
20) Methylene Chloride	4.97	84	10697	1.185	ug/l #	88
31) Cyclohexane	7.98	56	17027	1.150	ug/l #	3
36) 1,1-Dichloropropene	7.98	75	62462	5.141	ug/l #	49
38) Carbon Tetrachloride	7.98	117	81946	6.304	ug/l #	16
76) 1,2,3-Trichloropropane	12.64	75	241392	59.026	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	241392	117.248	ug/l #	10

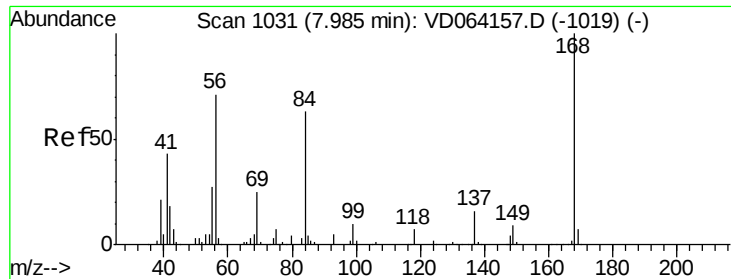
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064330.D

Acq: 21 Nov 2019 17:54

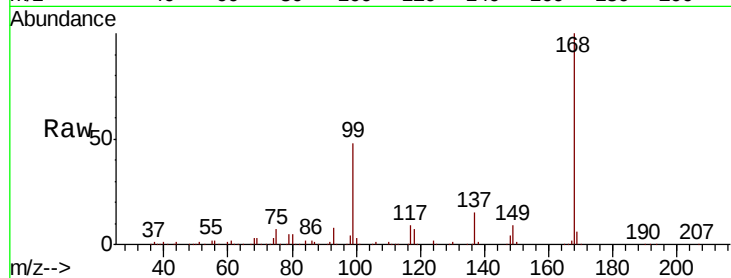
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 917279

Ion Ratio Lower Upper

168 100

99 48.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

400000

300000

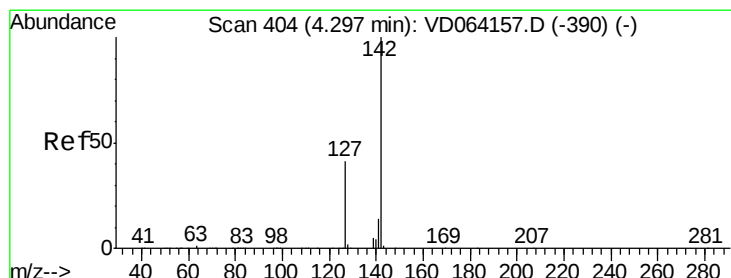
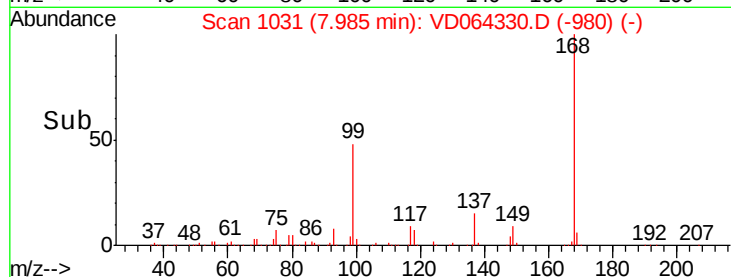
200000

100000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.063 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064330.D

Acq: 21 Nov 2019 17:54

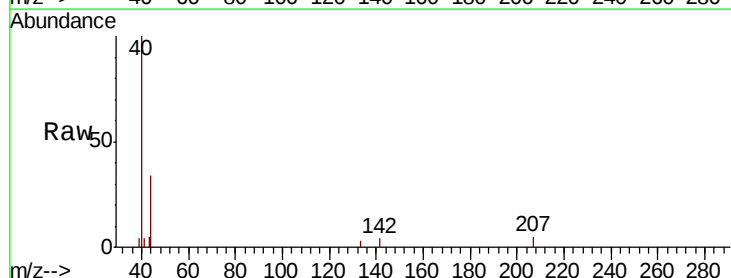
Tgt Ion:142 Resp: 308

Ion Ratio Lower Upper

142 100

127 24.7 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

300

250

200

150

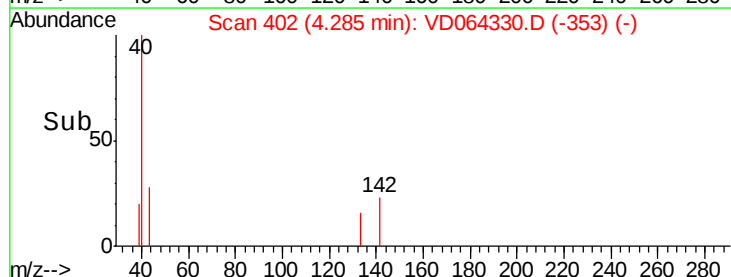
100

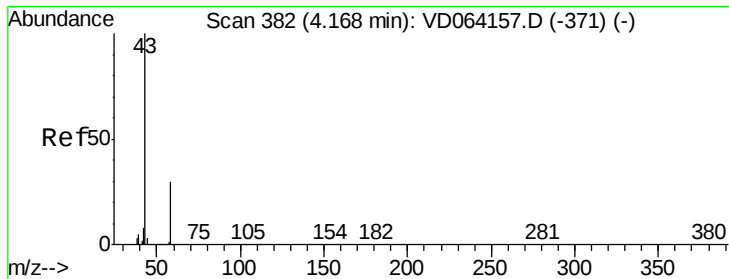
50

0

Time-->

4.26 4.28 4.30 4.32





#16

Acetone

Concen: 1.174 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064330.D

Acq: 21 Nov 2019 17:54

Instrument :

MSVOA_D

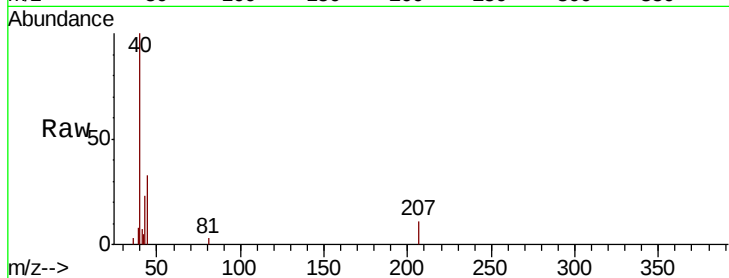
ClientSampleId :

Tot Ion: 43 Resp: 2099

Ion Ratio Lower Upper

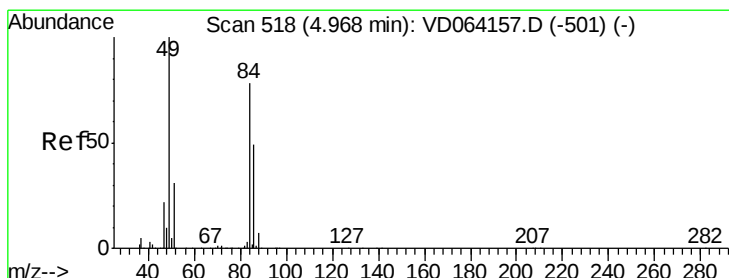
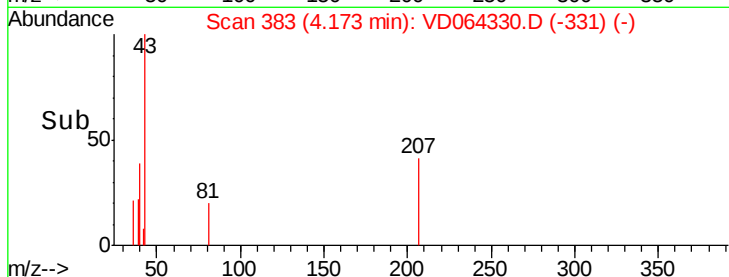
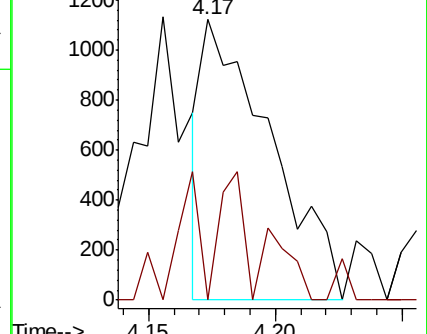
43 100

58 0.0 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: 1.185 ug/l

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD064330.D

Acq: 21 Nov 2019 17:54

Tgt Ion: 84 Resp: 10697

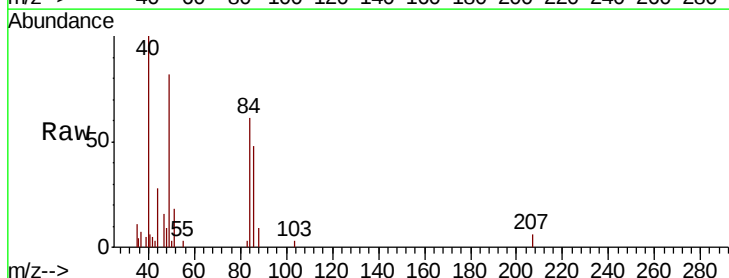
Ion Ratio Lower Upper

84 100

49 135.3 102.1 153.1

51 29.7 32.2 48.2#

86 79.0 49.9 74.9#

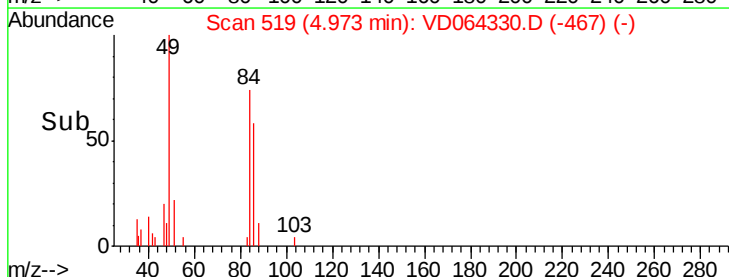
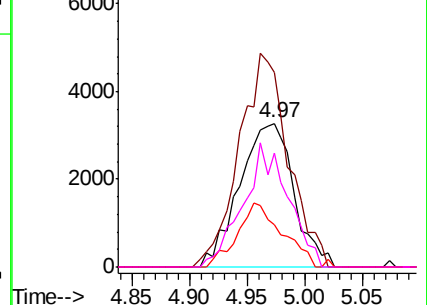


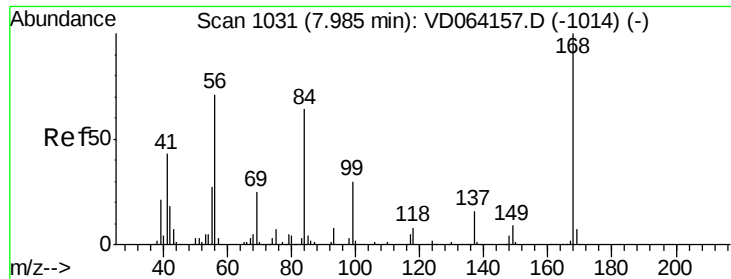
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

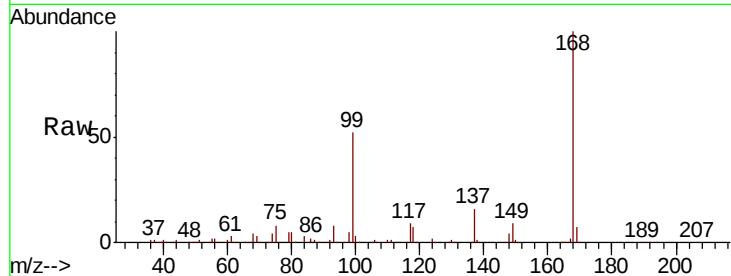




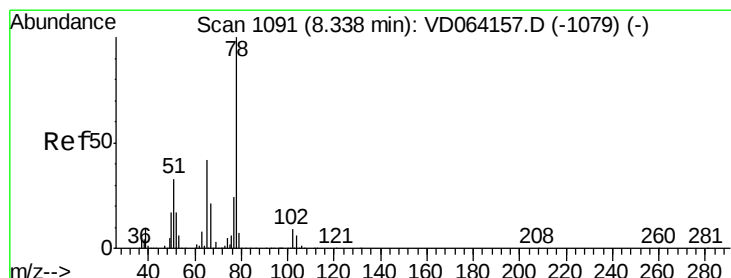
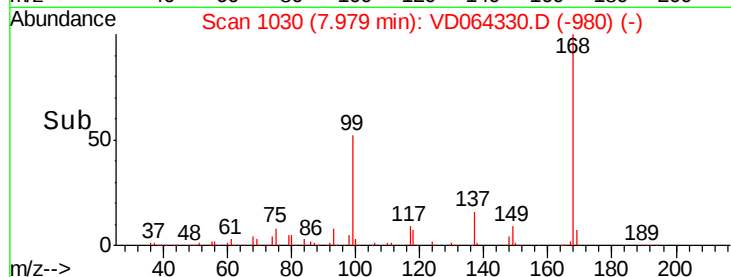
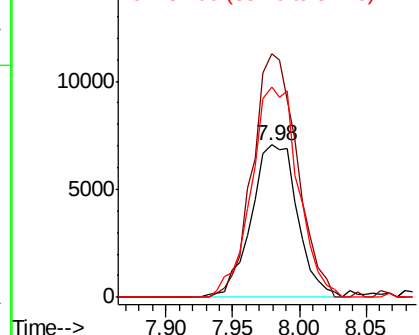
#31
Cyclohexane
Concen: 1.150 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064330.D
Acq: 21 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 17027
Ion Ratio Lower Upper
56 100
69 159.6 28.2 42.4#
84 137.5 71.8 107.6#

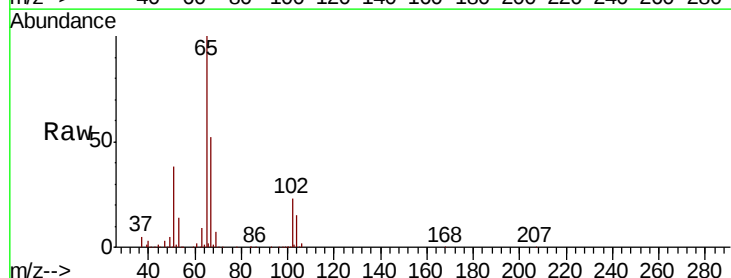


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

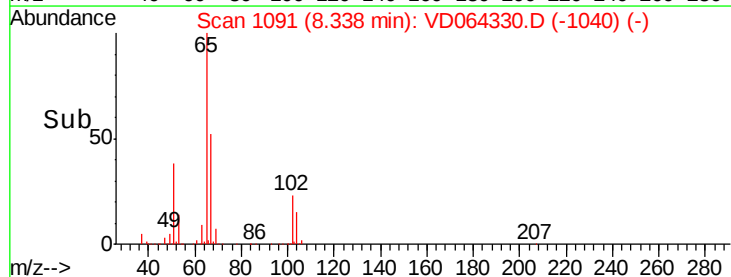
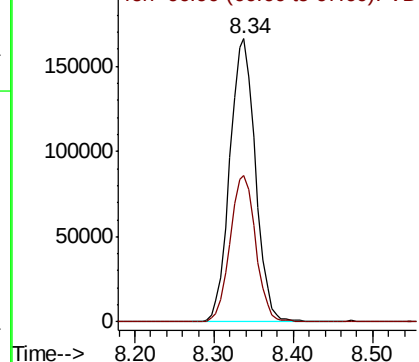


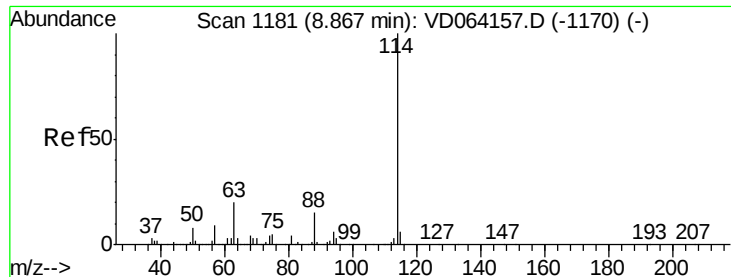
#33
1,2-Dichloroethane-d4
Concen: 49.271 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064330.D
Acq: 21 Nov 2019 17:54

Tgt Ion: 65 Resp: 371703
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

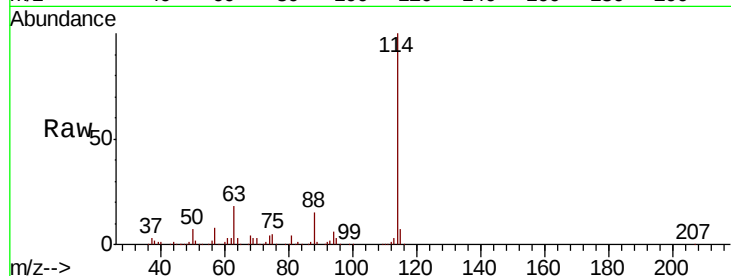




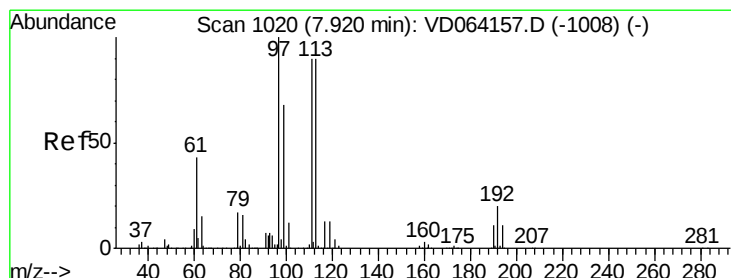
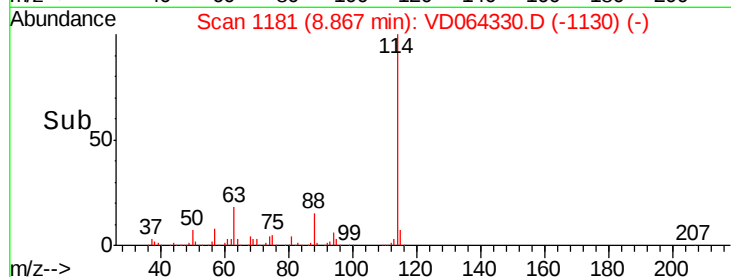
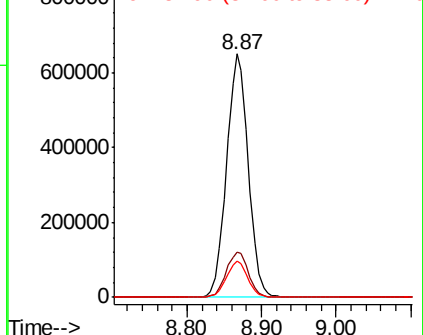
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064330.D
 Acq: 21 Nov 2019 17:54

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1316395
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 40.0
 88 15.0 0.0 30.2

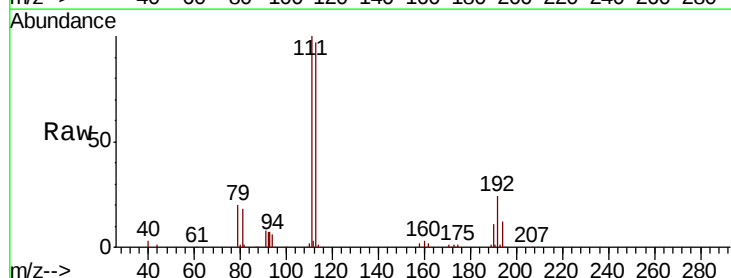


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

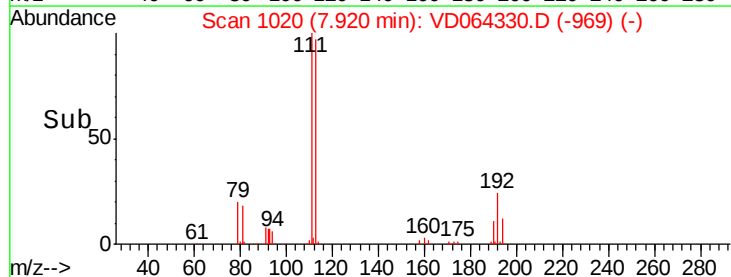
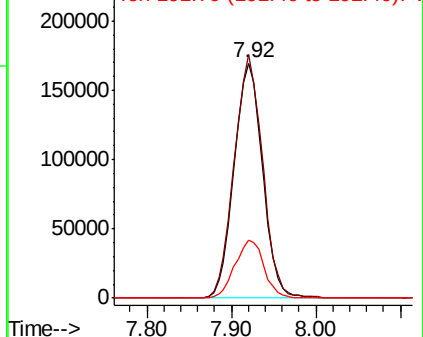


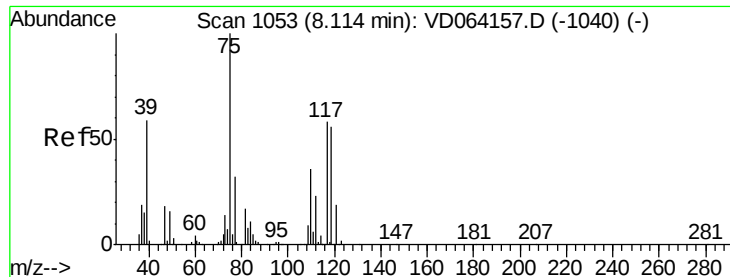
#35
 Dibromofluoromethane
 Concen: 52.332 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064330.D
 Acq: 21 Nov 2019 17:54

Tgt Ion:113 Resp: 395439
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.5 122.3
 192 24.9 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: 5.141 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064330.D

Acq: 21 Nov 2019 17:54

Instrument :
MSVOA_D
ClientSampleId :

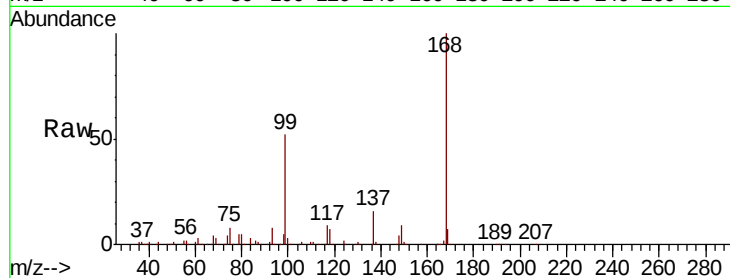
Tot Ion: 75 Resp: 62462

Ion Ratio Lower Upper

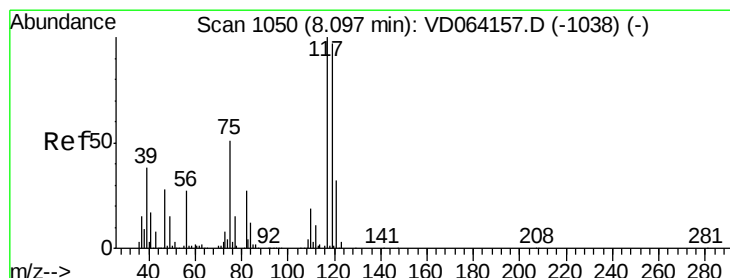
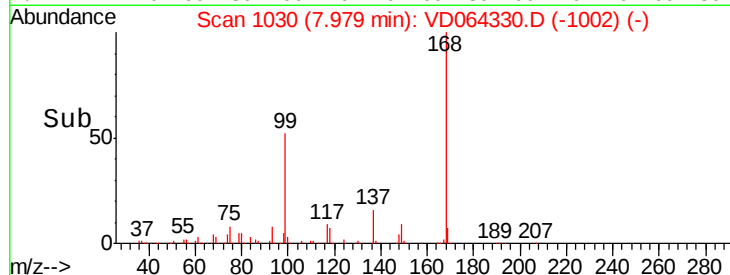
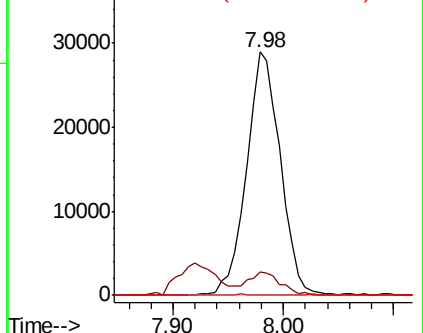
75 100

110 8.8 18.3 54.9#

77 0.1 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: 6.304 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064330.D

Acq: 21 Nov 2019 17:54

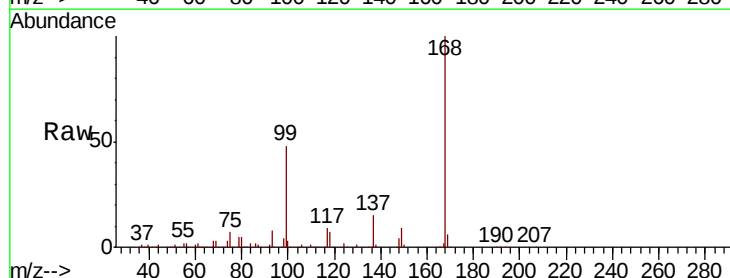
Tgt Ion: 117 Resp: 81946

Ion Ratio Lower Upper

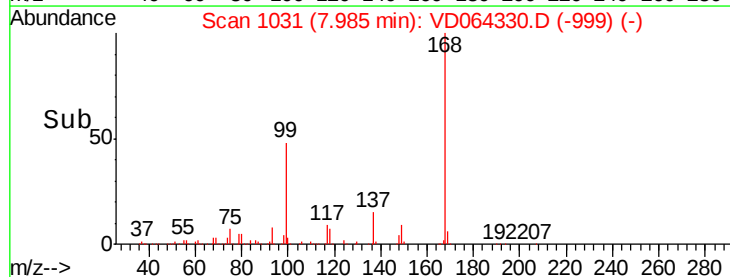
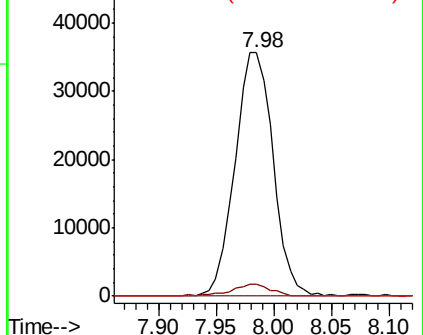
117 100

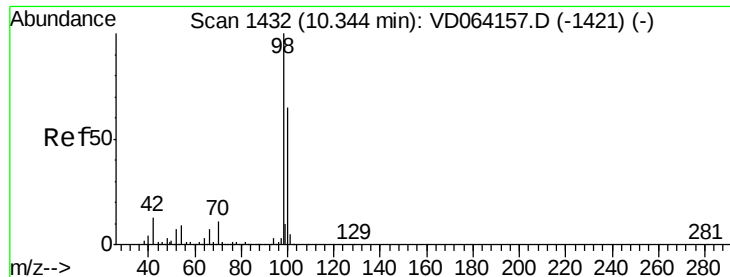
119 4.9 77.2 115.8#

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

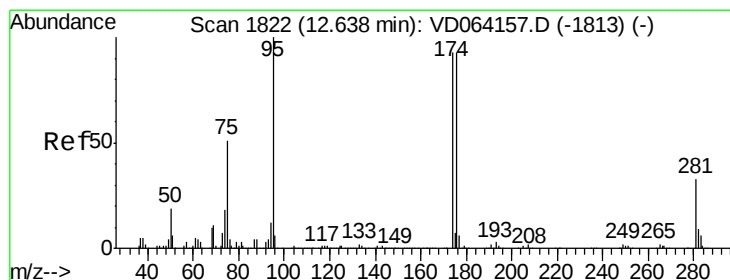
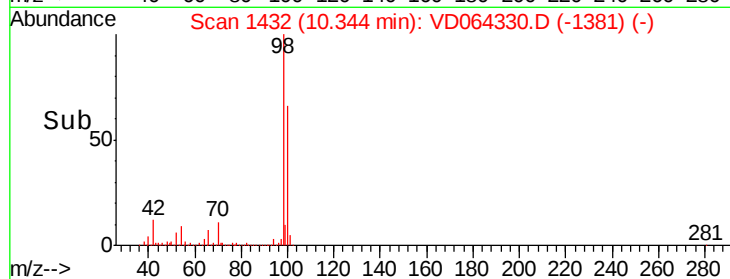
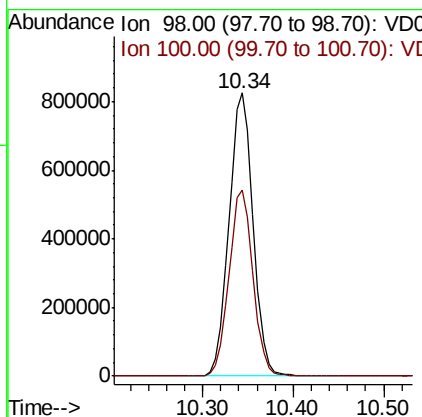
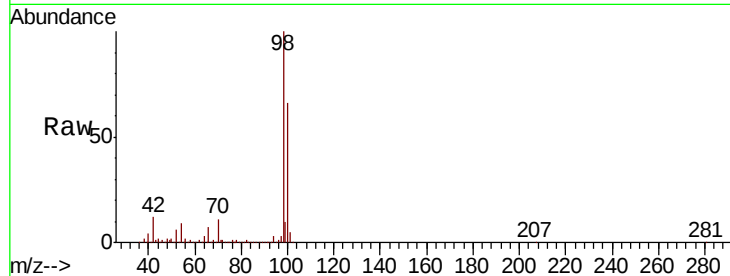




#50
Toluene-d8
Concen: 53.468 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064330.D
Acq: 21 Nov 2019 17:54

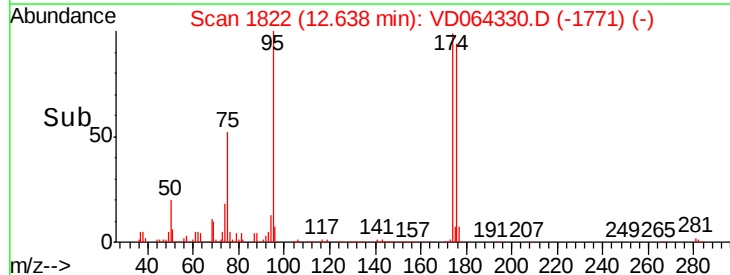
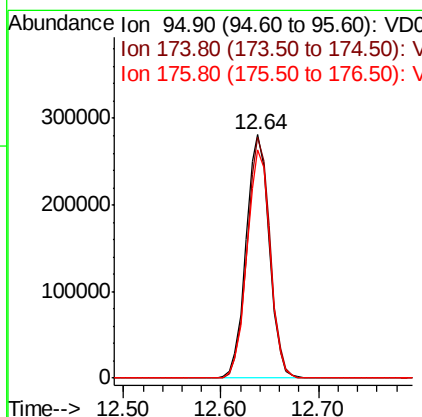
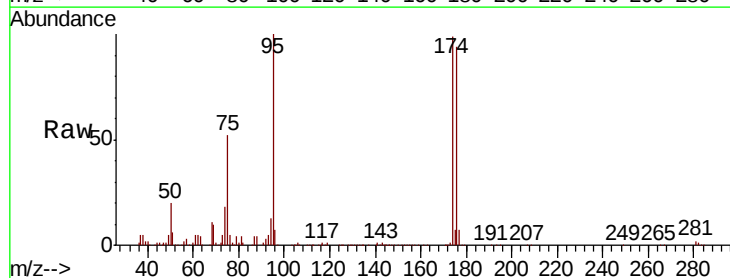
Instrument :
MSVOA_D
ClientSampleId :

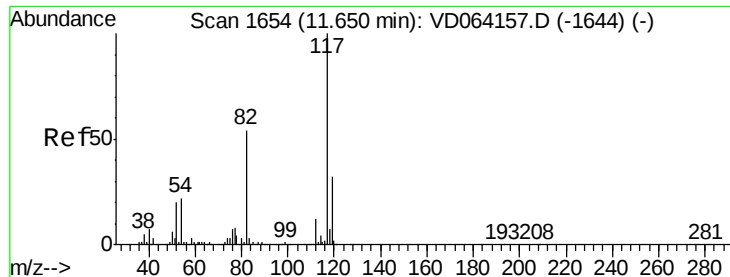
Tot Ion: 98 Resp: 1524142
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 47.366 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064330.D
Acq: 21 Nov 2019 17:54

Tgt Ion: 95 Resp: 467582
Ion Ratio Lower Upper
95 100
174 98.1 0.0 183.6
176 93.9 0.0 180.2

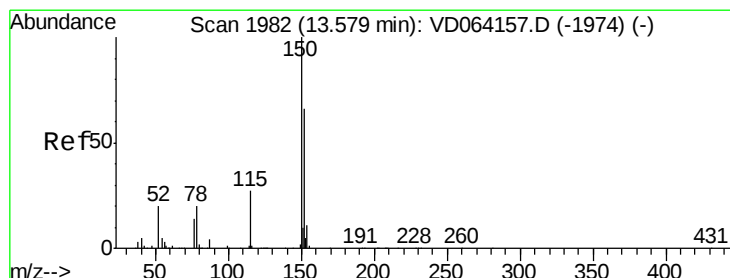
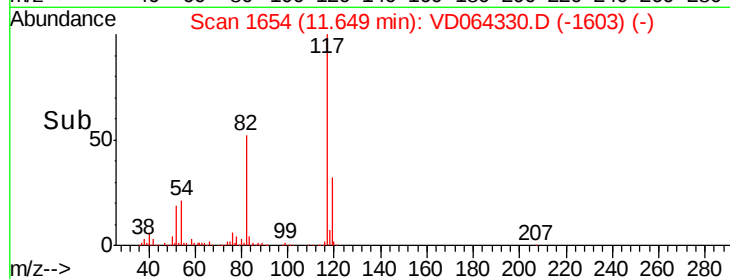
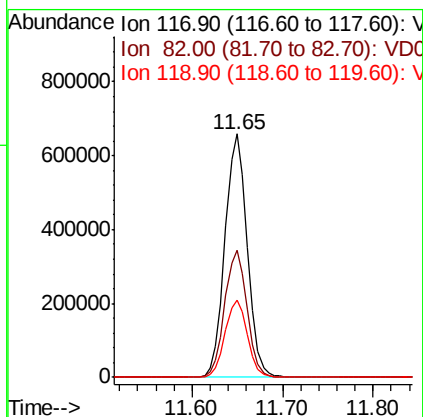
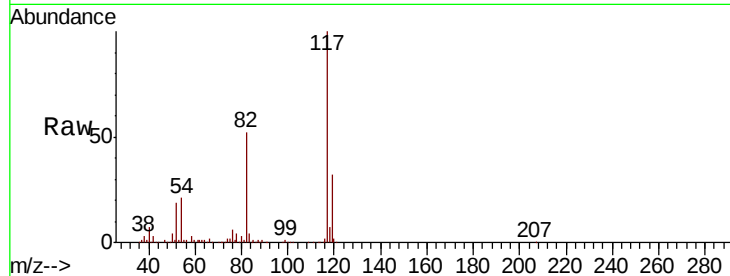




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064330.D
Acq: 21 Nov 2019 17:54

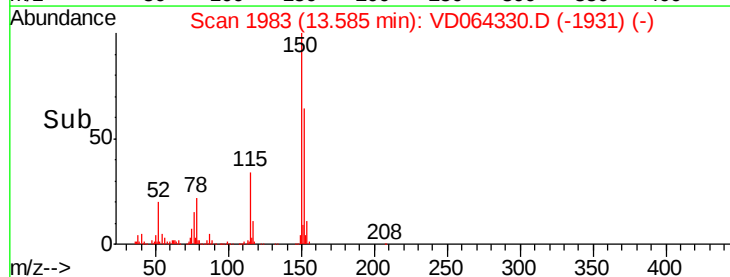
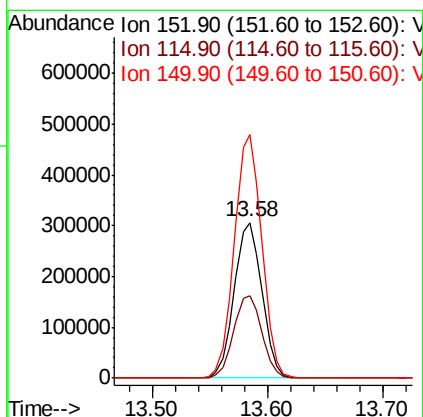
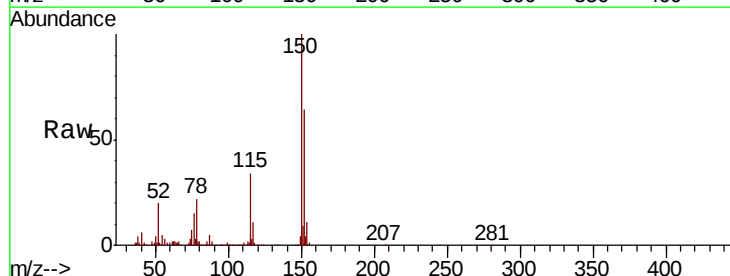
Instrument :
MSVOA_D
ClientSampled :

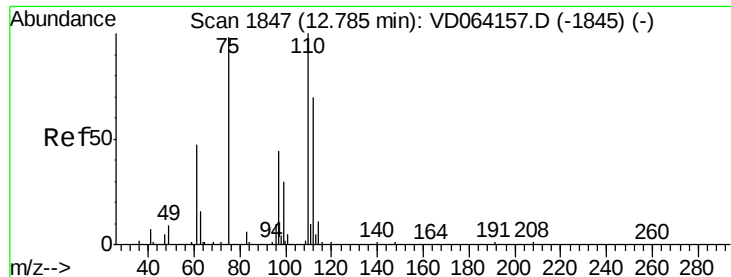
Tot Ion:117 Resp: 1120929
Ion Ratio Lower Upper
117 100
82 52.2 42.8 64.2
119 31.9 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064330.D
Acq: 21 Nov 2019 17:54

Tgt Ion:152 Resp: 507731
Ion Ratio Lower Upper
152 100
115 53.9 27.4 82.2
150 155.4 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 59.026 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064330.D

Acq: 21 Nov 2019 17:54

Instrument :

MSVOA_D

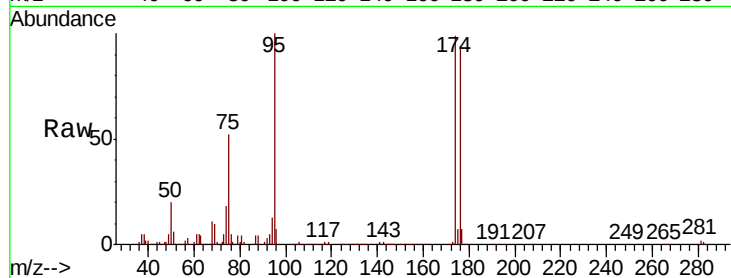
ClientSampleId :

Tot Ion: 75 Resp: 241392

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

12.64

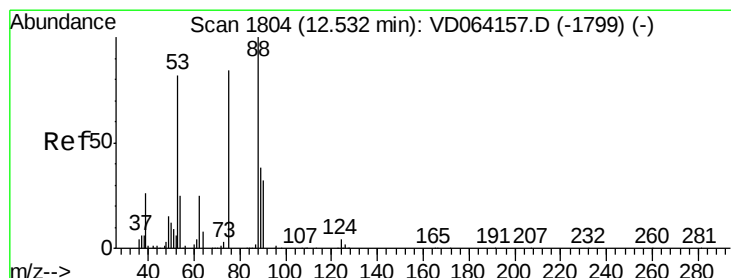
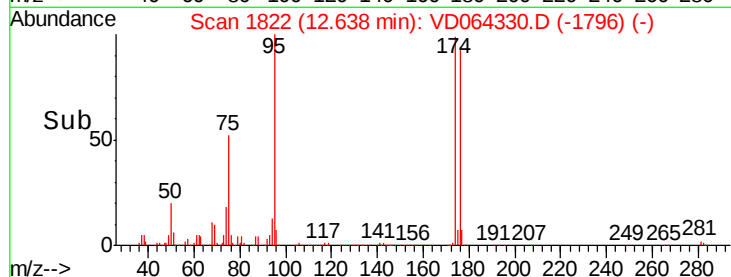
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 117.248 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064330.D

Acq: 21 Nov 2019 17:54

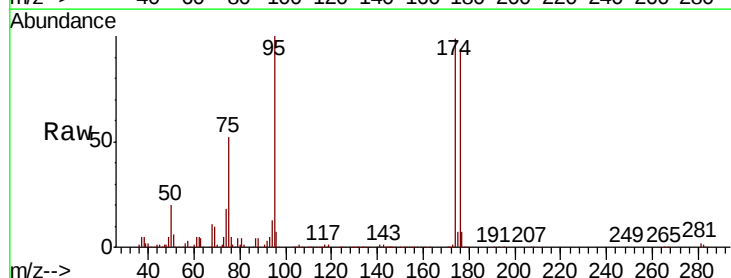
Tgt Ion: 75 Resp: 241392

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

Time-->

