

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064329.D
 Acq On : 21 Nov 2019 17:25
 Operator : VA/SY
 Sample : K5973-01
 Misc : 4.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:43:13 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	939973	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1332076	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1124388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	493868	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	384365	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	7.92	113	399089	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
50) Toluene-d8	10.34	98	1531044	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.64	95	471738	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	

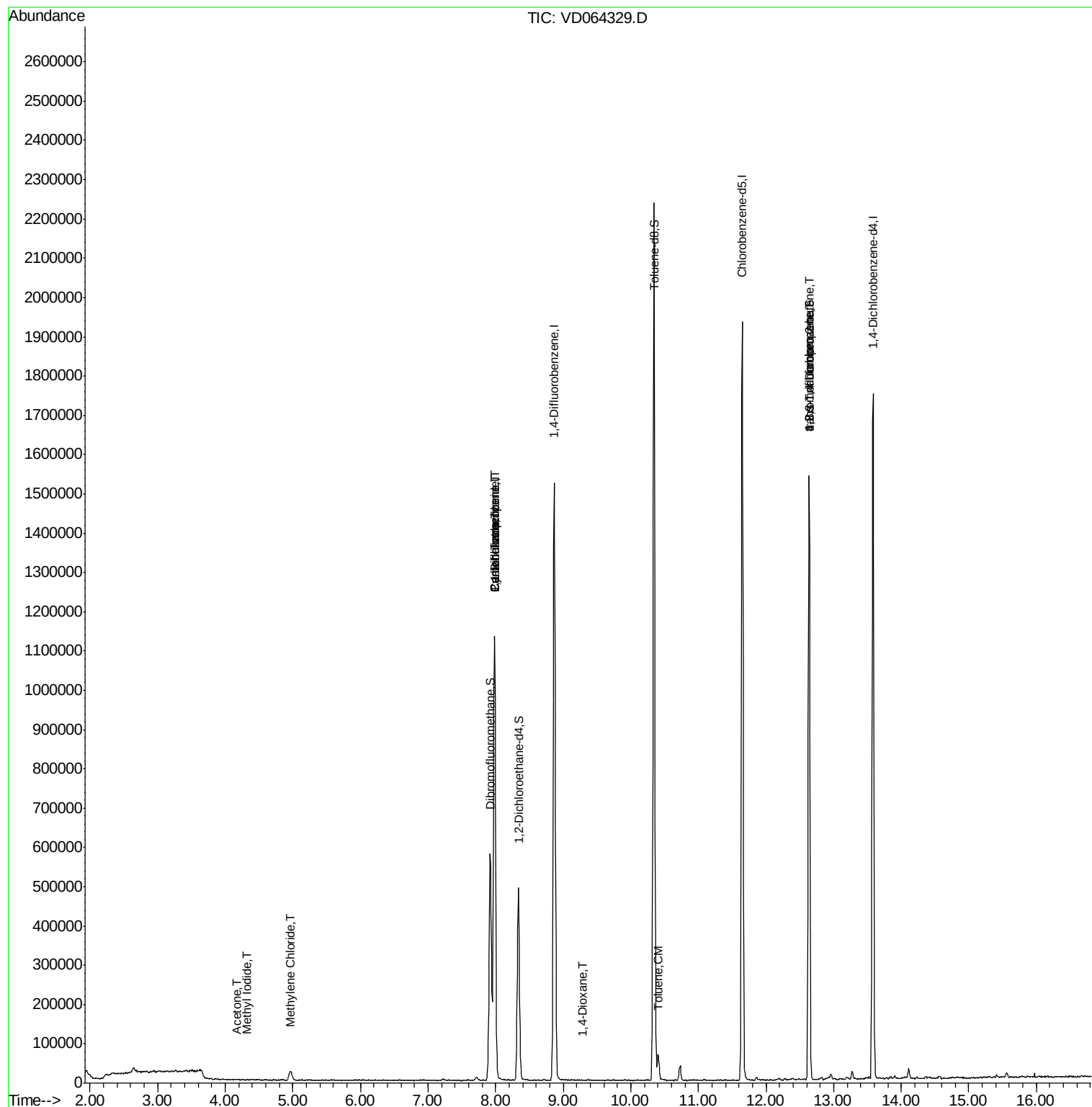
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	704	2.103	ug/l #	50
16) Acetone	4.17	43	2808	1.533	ug/l #	64
20) Methylene Chloride	4.97	84	18240	1.972	ug/l	95
31) Cyclohexane	7.98	56	17403	1.147	ug/l #	6
36) 1,1-Dichloropropene	7.98	75	61976	5.041	ug/l #	49
38) Carbon Tetrachloride	7.98	117	84335	6.411	ug/l #	15
49) 1,4-Dioxane	9.28	88	59	1.122	ug/l #	22
52) Toluene	10.41	92	25062	1.134	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	241799	60.785	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	241799	120.742	ug/l #	10

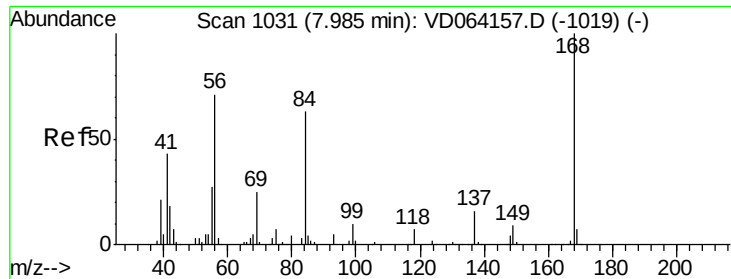
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112119\
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Quant Time: Nov 22 00:43:13 2019
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: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

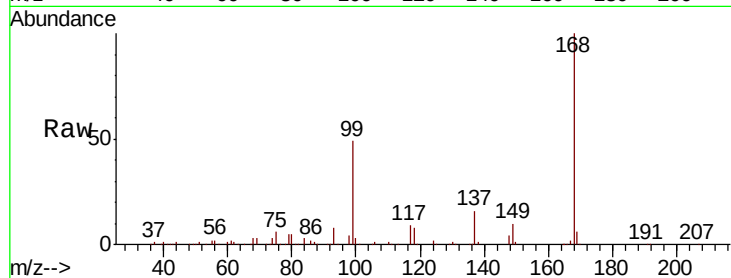
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 939973

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

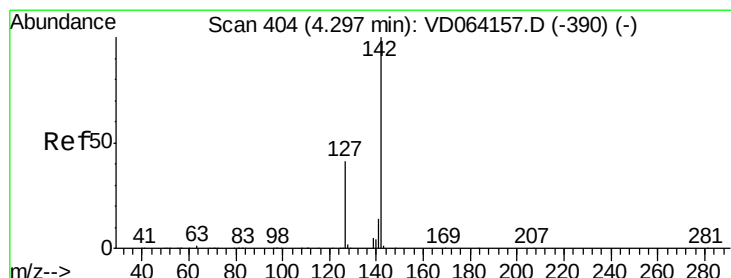
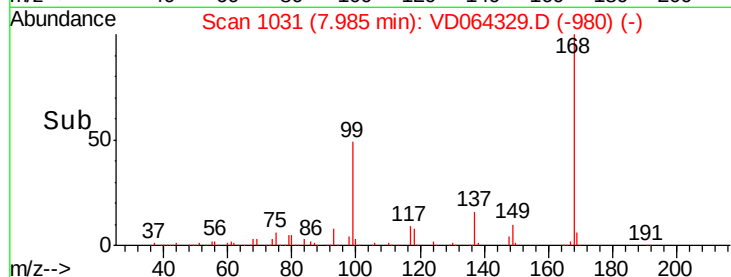
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.103 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

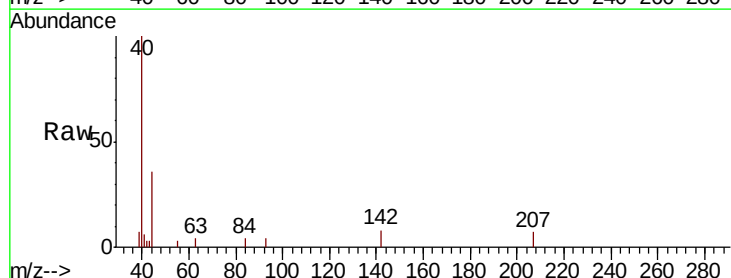
Tgt Ion:142 Resp: 704

Ion Ratio Lower Upper

142 100

127 7.7 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

4.31

500

400

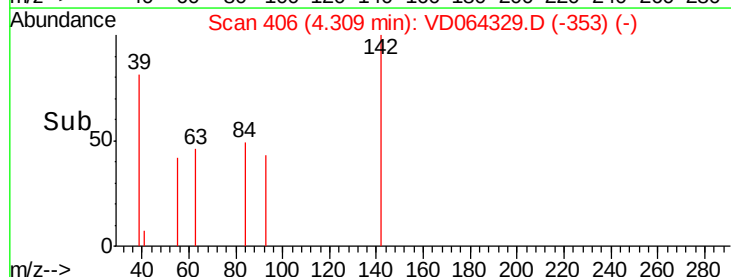
300

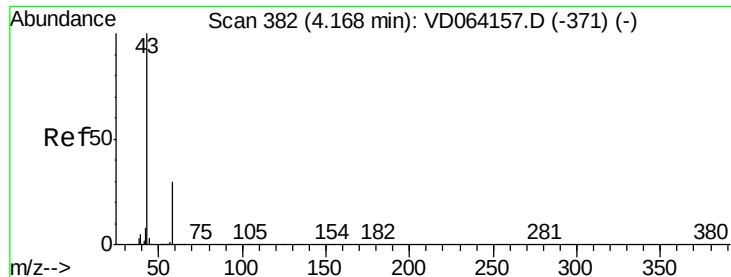
200

100

0

Time-->





#16

Acetone

Concen: 1.533 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

Instrument :

MSVOA_D

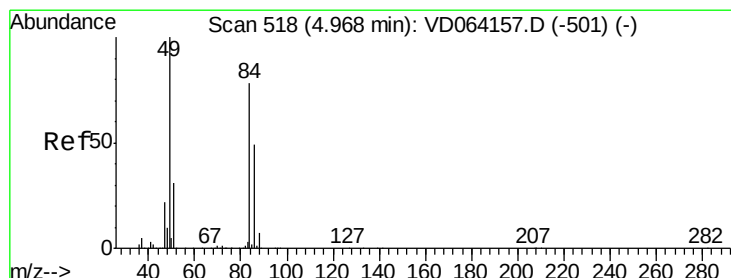
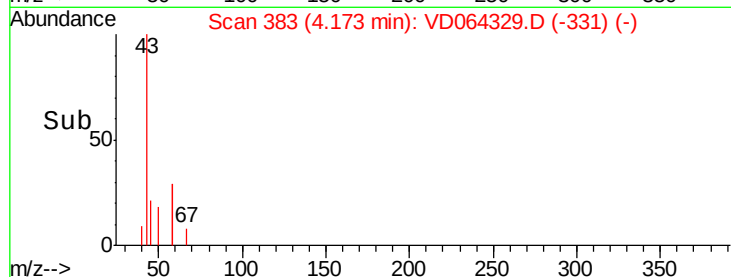
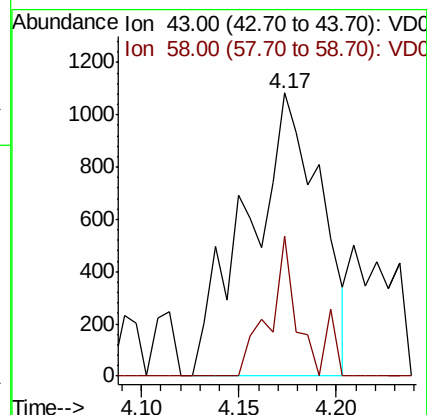
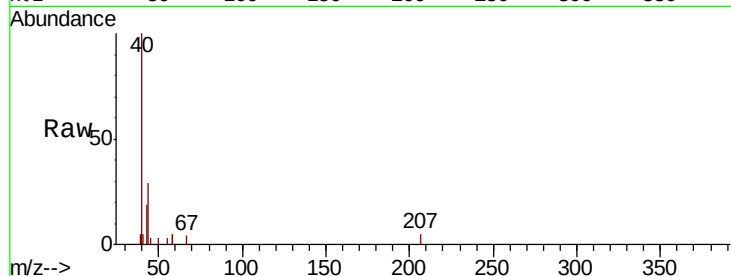
ClientSampleId :

Tot Ion: 43 Resp: 2808

Ion Ratio Lower Upper

43 100

58 49.7 24.1 36.1#



#20

Methylene Chloride

Concen: 1.972 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.00 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

Tgt Ion: 84 Resp: 18240

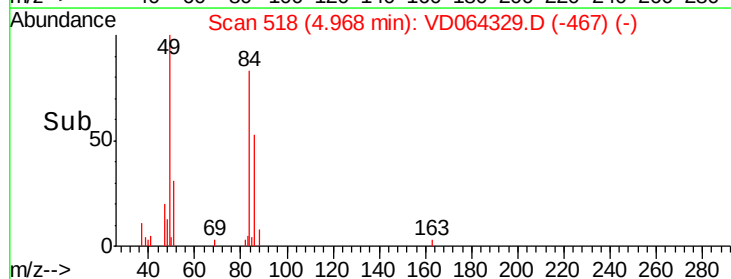
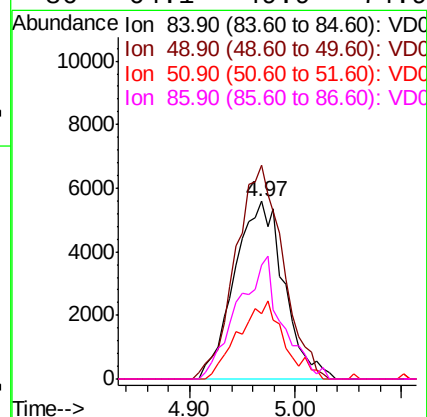
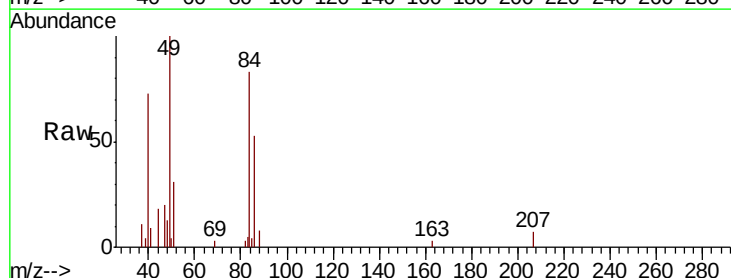
Ion Ratio Lower Upper

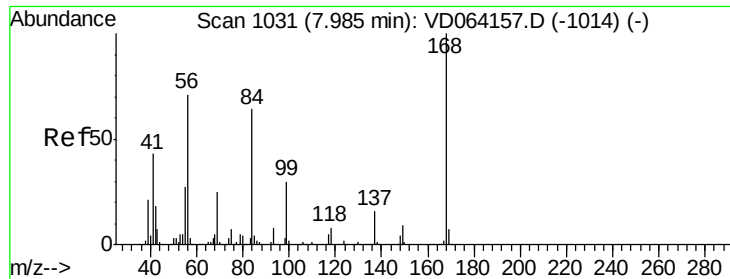
84 100

49 120.2 102.1 153.1

51 36.9 32.2 48.2

86 64.1 49.9 74.9

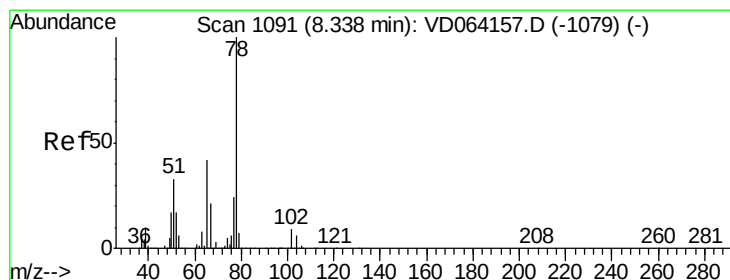
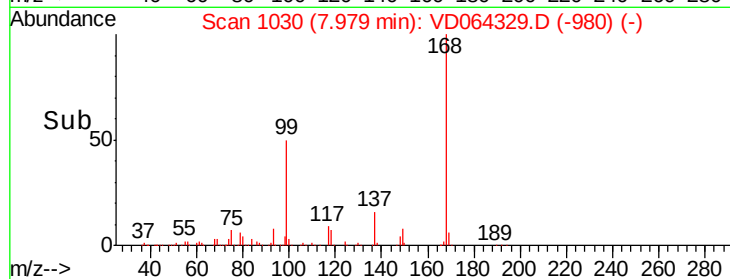
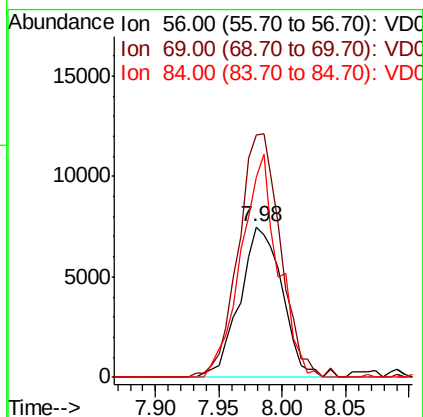
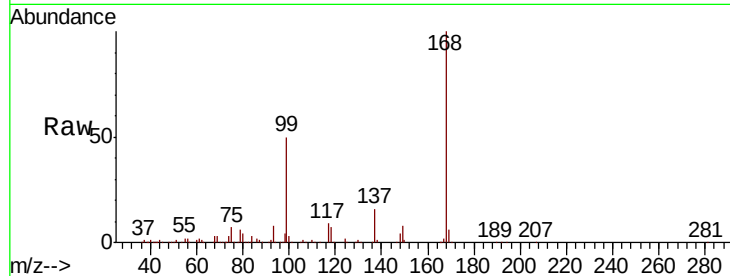




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064329.D
Acq: 21 Nov 2019 17:25

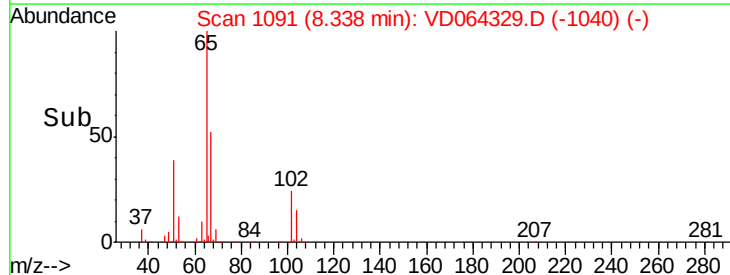
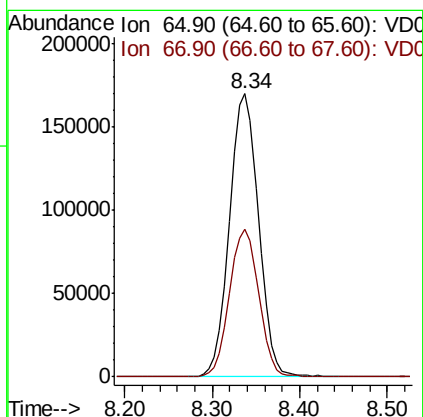
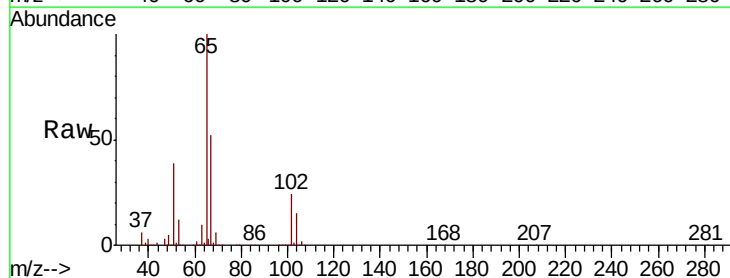
Instrument :
MSVOA_D
ClientSampleId :

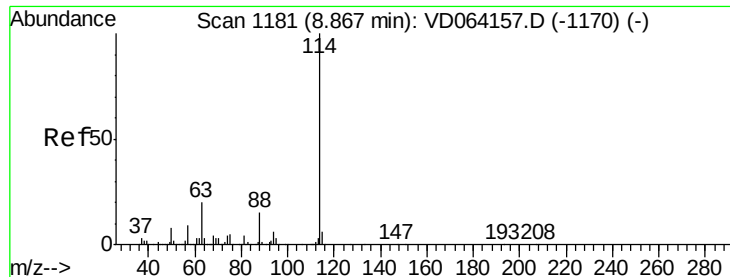
Tot Ion: 56 Resp: 17403
Ion Ratio Lower Upper
56 100
69 161.0 28.2 42.4#
84 133.5 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 49.719 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. 0.00 min
Lab File: VD064329.D
Acq: 21 Nov 2019 17:25

Tgt Ion: 65 Resp: 384365
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.4

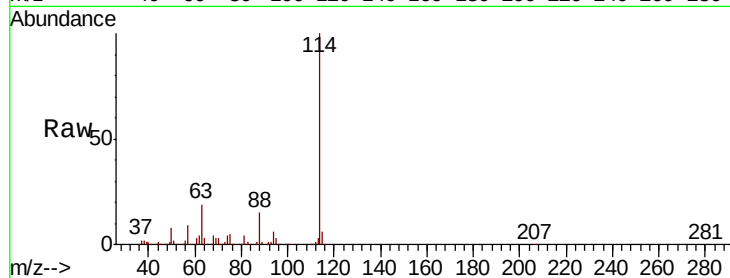




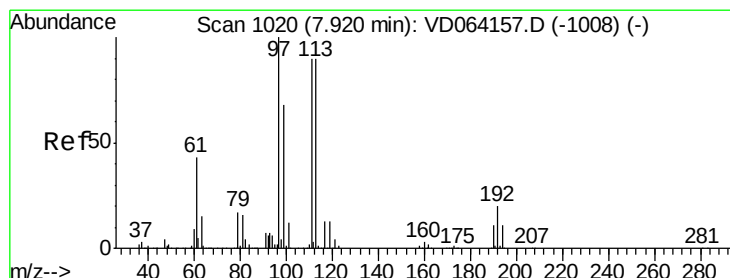
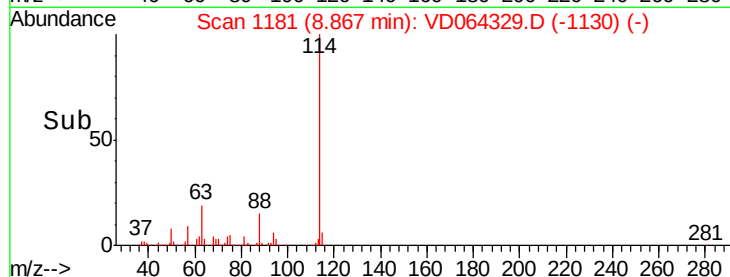
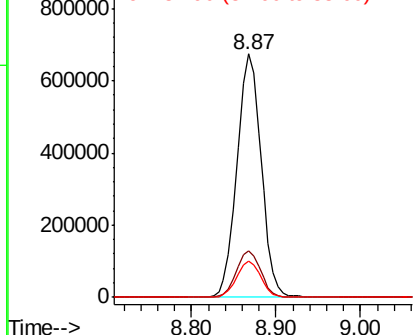
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064329.D
 Acq: 21 Nov 2019 17:25

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1332076
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.0
 88 14.7 0.0 30.2

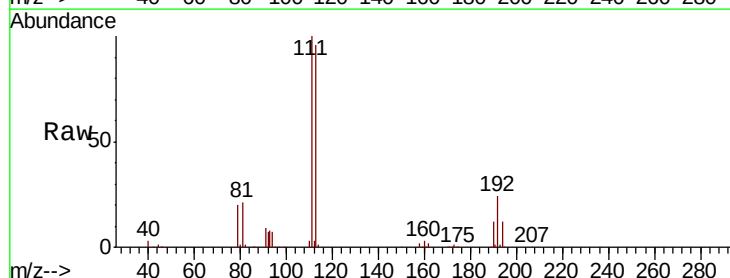


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

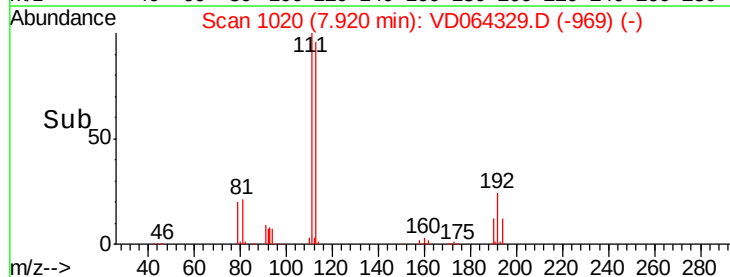
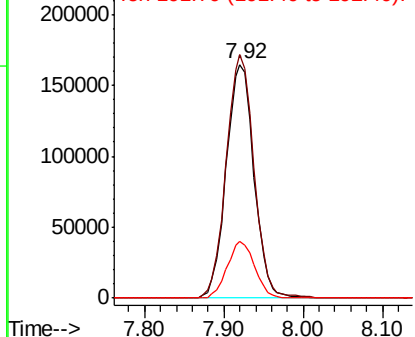


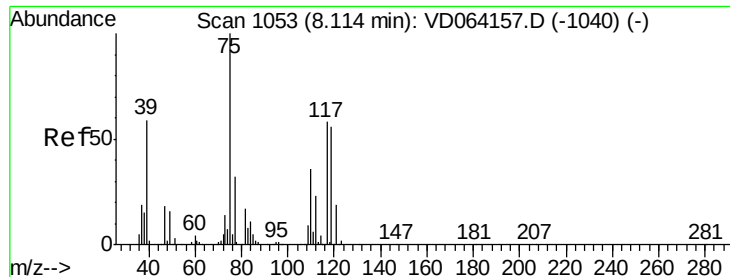
#35
 Dibromofluoromethane
 Concen: 52.194 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064329.D
 Acq: 21 Nov 2019 17:25

Tgt Ion:113 Resp: 399089
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.5 122.3
 192 23.9 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: 5.041 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

Instrument :

MSVOA_D

ClientSampleId :

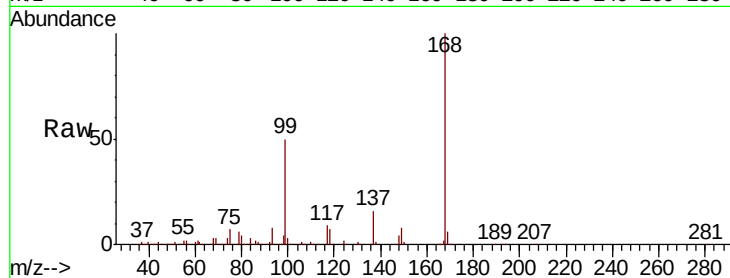
Tot Ion: 75 Resp: 61976

Ion Ratio Lower Upper

75 100

110 9.8 18.3 54.9#

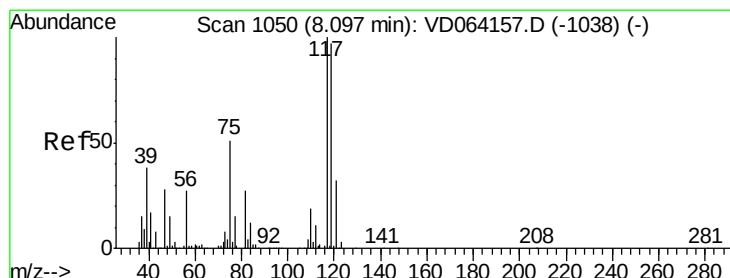
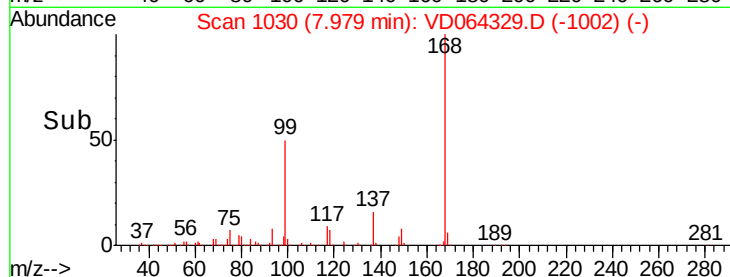
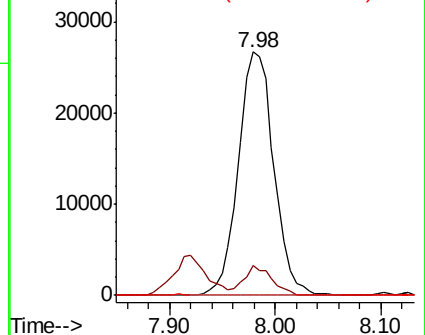
77 0.0 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VD064329.D (-999) (-)

Ion 109.90 (109.60 to 110.60): VD064329.D (-999) (-)

Ion 76.90 (76.60 to 77.60): VD064329.D (-999) (-)



#38

Carbon Tetrachloride

Concen: 6.411 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

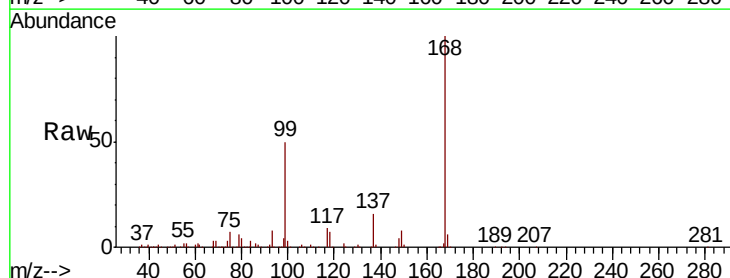
Tgt Ion: 117 Resp: 84335

Ion Ratio Lower Upper

117 100

119 4.8 77.2 115.8#

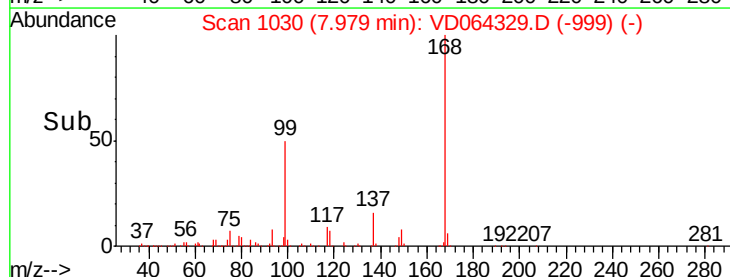
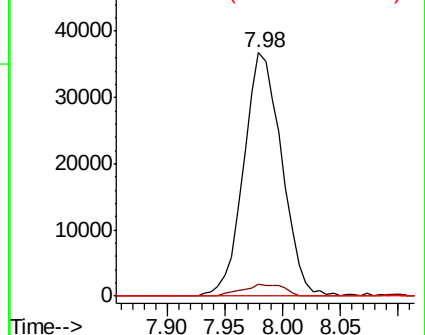
121 0.0 25.5 38.3#

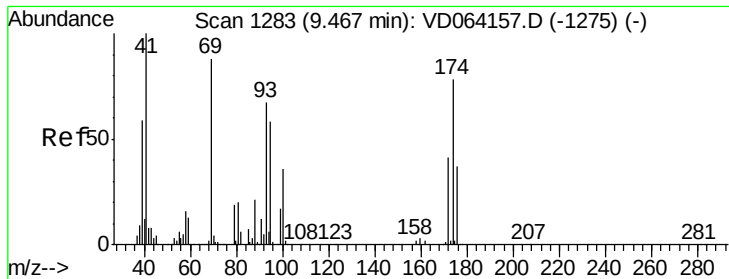


Abundance Ion 116.80 (116.50 to 117.50): VD064329.D (-999) (-)

Ion 118.80 (118.50 to 119.50): VD064329.D (-999) (-)

Ion 120.80 (120.50 to 121.50): VD064329.D (-999) (-)

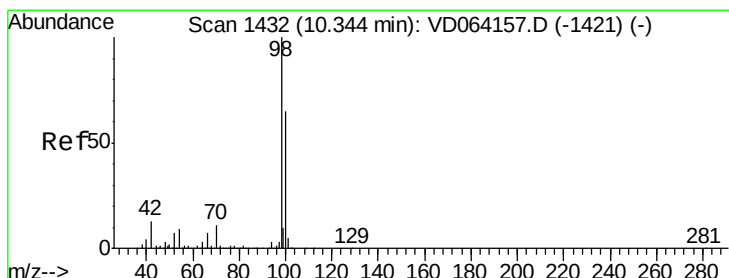
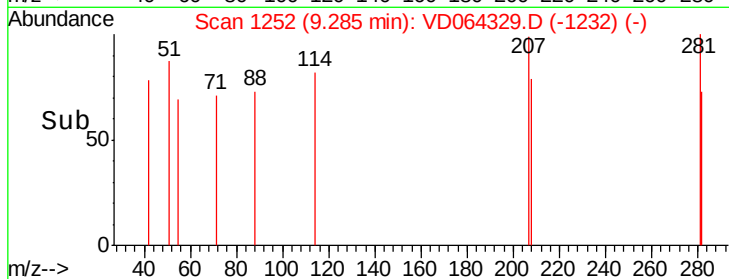
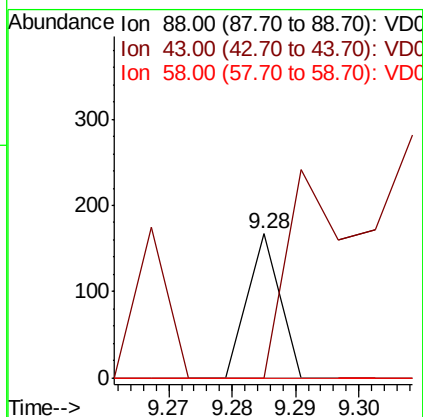
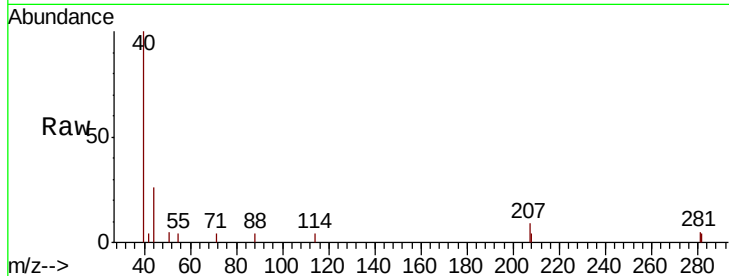




#49
1,4-Dioxane
Concen: 1.122 ug/l
RT: 9.28 min Scan# 1252
Delta R.T. -0.18 min
Lab File: VD064329.D
Acq: 21 Nov 2019 17:25

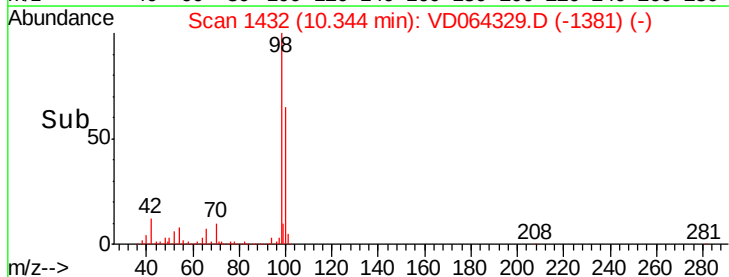
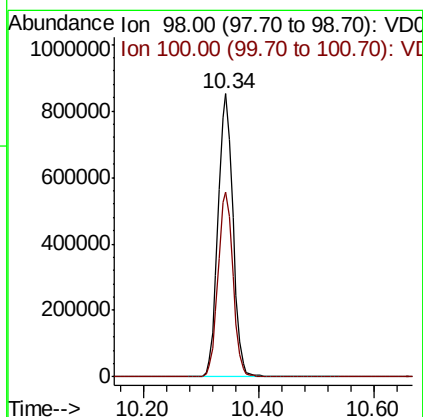
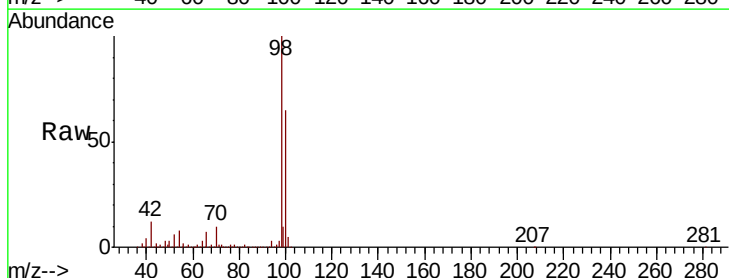
Instrument :
MSVOA_D
ClientSampled :

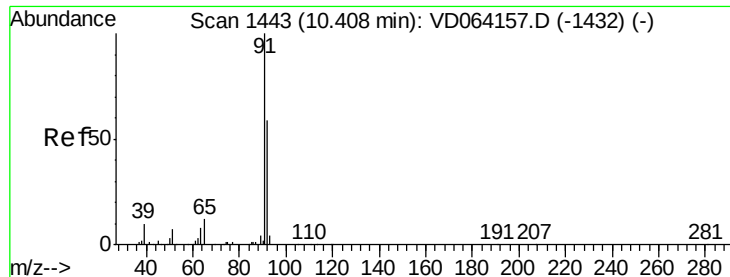
Tot Ion: 88 Resp: 59
Ion Ratio Lower Upper
88 100
43 0.0 29.8 44.8#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 53.078 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064329.D
Acq: 21 Nov 2019 17:25

Tgt Ion: 98 Resp: 1531044
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8





#52

Toluene

Concen: 1.134 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

Instrument :

MSVOA_D

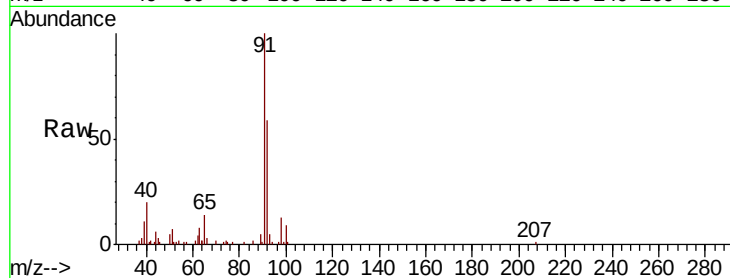
ClientSampleId :

Tot Ion: 92 Resp: 25062

Ion Ratio Lower Upper

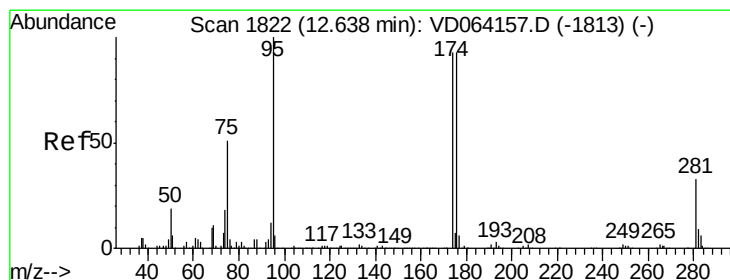
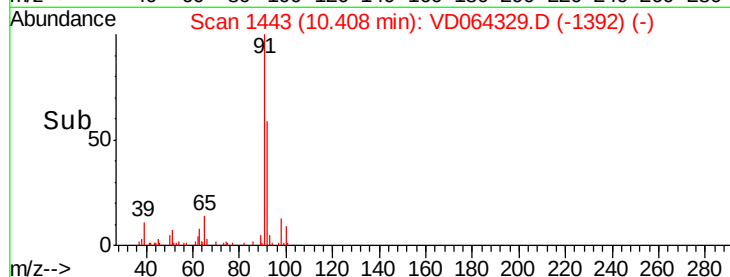
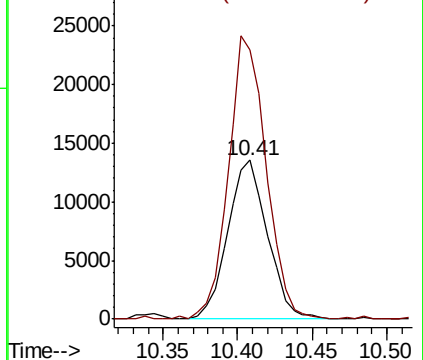
92 100

91 169.3 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 47.224 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

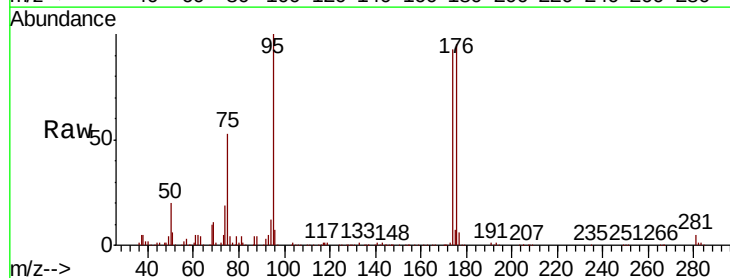
Tgt Ion: 95 Resp: 471738

Ion Ratio Lower Upper

95 100

174 96.0 0.0 183.6

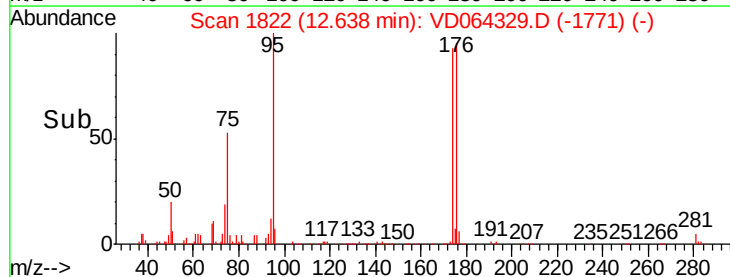
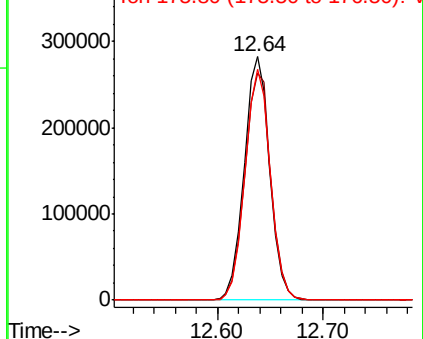
176 94.7 0.0 180.2

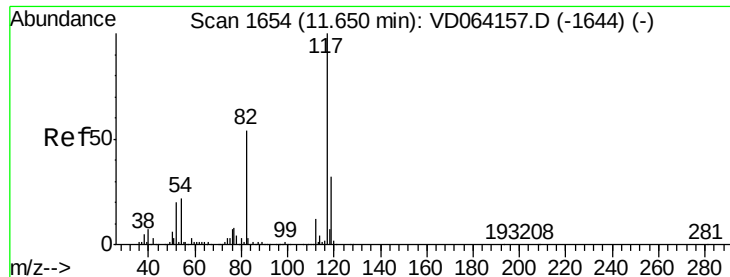


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

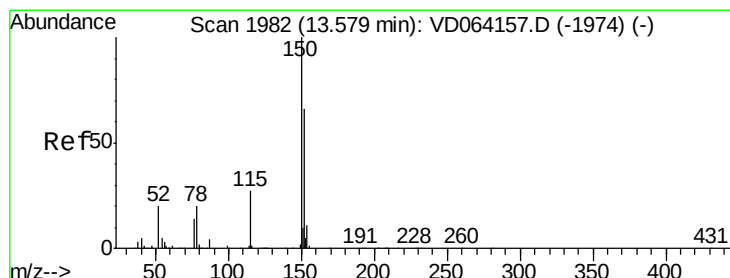
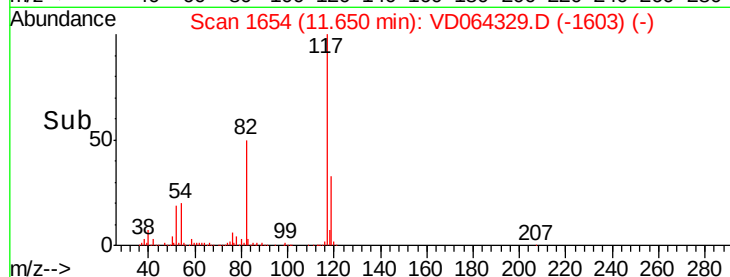
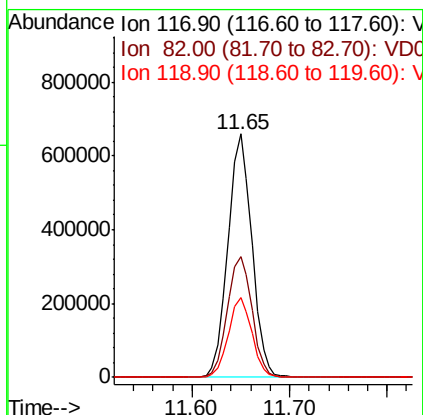
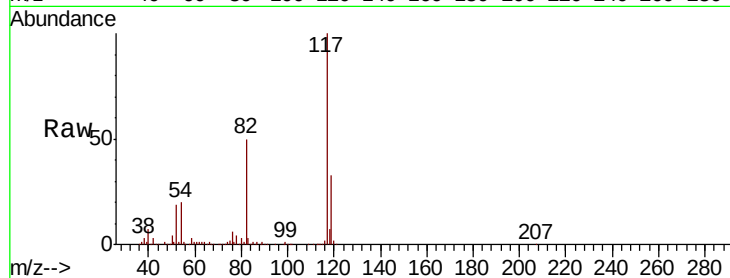




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064329.D
Acq: 21 Nov 2019 17:25

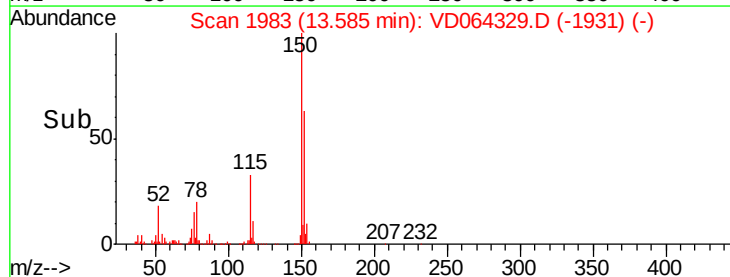
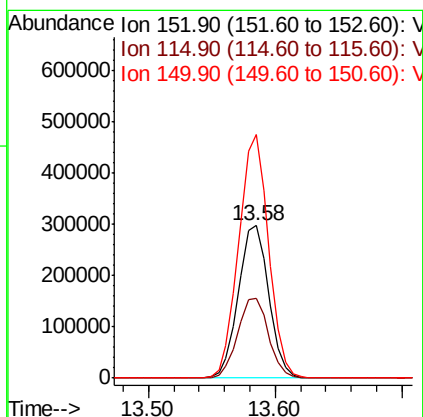
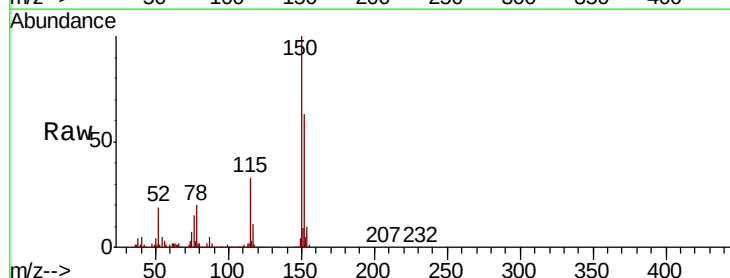
Instrument :
MSVOA_D
ClientSampled :

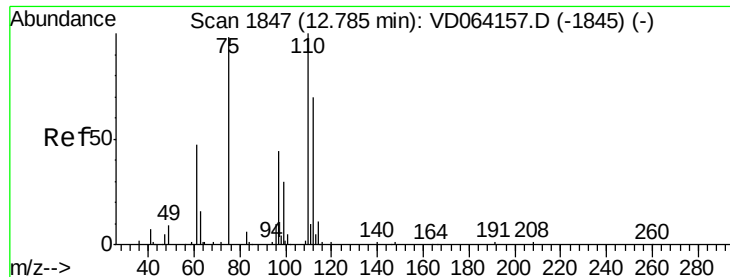
Tot Ion:117 Resp: 1124388
Ion Ratio Lower Upper
117 100
82 49.8 42.8 64.2
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064329.D
Acq: 21 Nov 2019 17:25

Tgt Ion:152 Resp: 493868
Ion Ratio Lower Upper
152 100
115 53.3 27.4 82.2
150 156.7 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 60.785 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

Instrument :

MSVOA_D

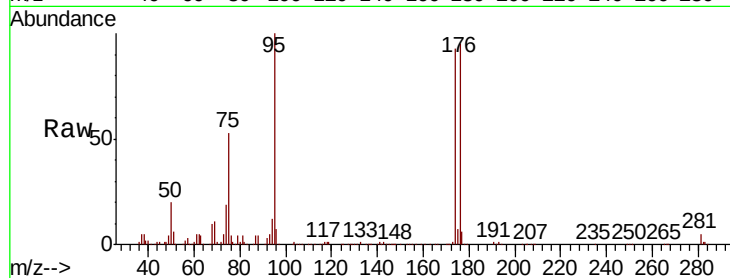
ClientSampleId :

Tot Ion: 75 Resp: 241799

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

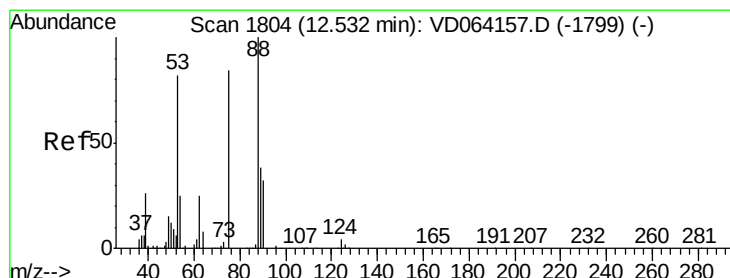
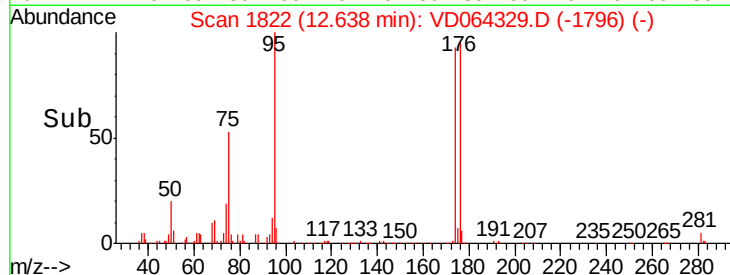
150000

100000

50000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 120.742 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064329.D

Acq: 21 Nov 2019 17:25

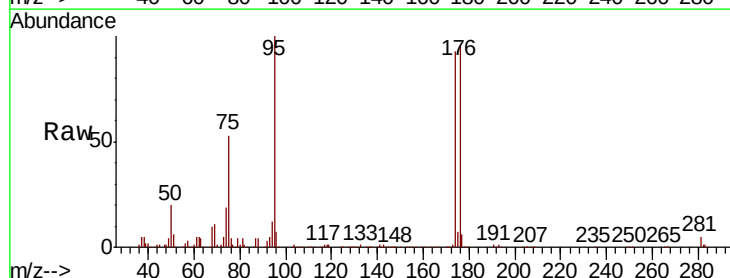
Tgt Ion: 75 Resp: 241799

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--> 12.55 12.60 12.65 12.70

