

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064333.D
 Acq On : 21 Nov 2019 19:20
 Operator : VA/SY
 Sample : K5668-08
 Misc : 6.62G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:43:52 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	1295083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1863996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1592852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	706920	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	527068	49.48	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.96%	
35) Dibromofluoromethane	7.92	113	558534	52.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	104.40%	
50) Toluene-d8	10.34	98	2150484	53.28	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.56%	
62) 4-Bromofluorobenzene	12.64	95	660627	47.26	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.52%	

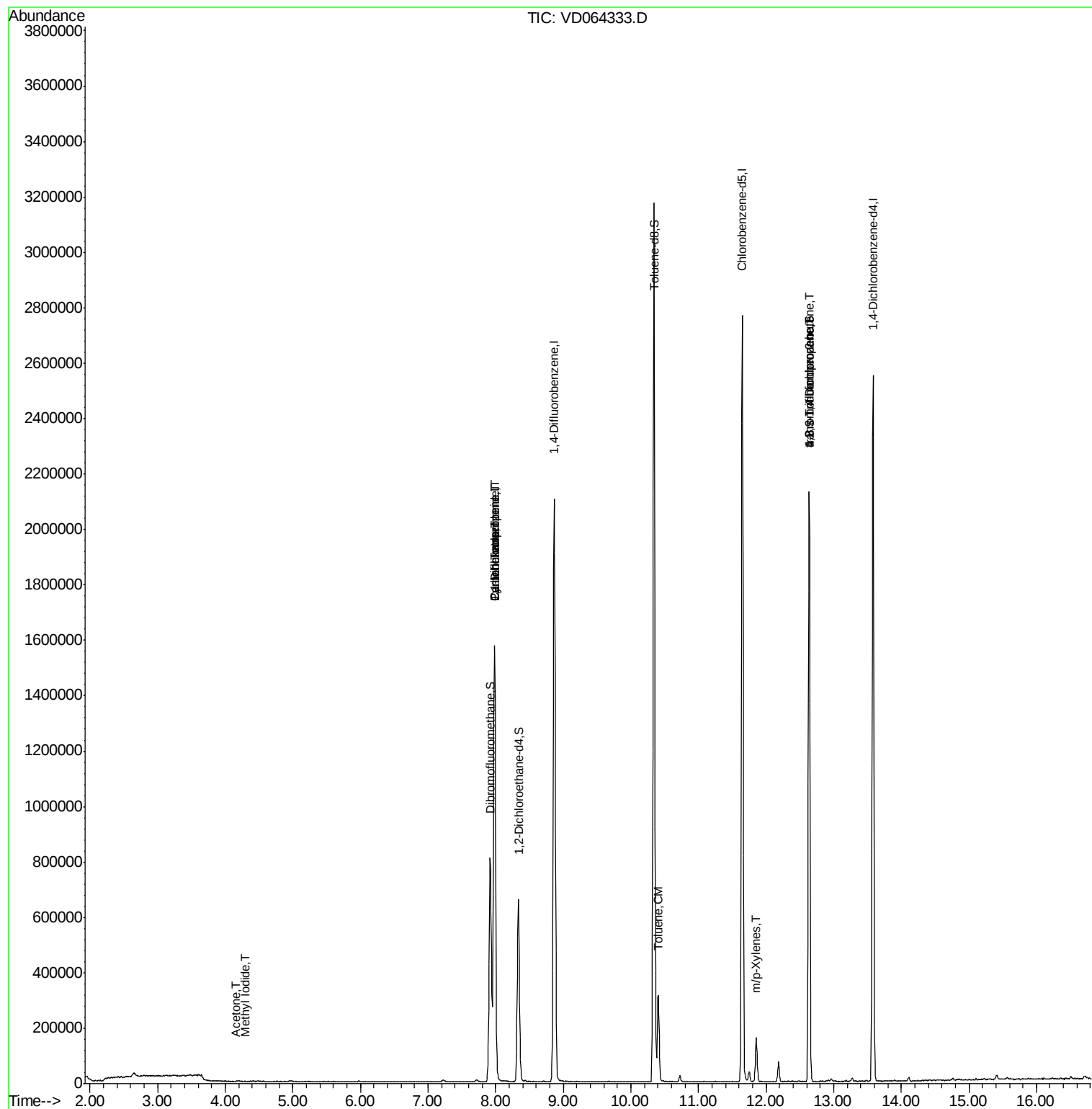
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	193	2.046	ug/l #	67
16) Acetone	4.17	43	3683	1.460	ug/l #	71
31) Cyclohexane	7.98	56	23898	1.143	ug/l #	19
36) 1,1-Dichloropropene	7.98	75	84516	4.913	ug/l #	49
38) Carbon Tetrachloride	7.98	117	116152	6.310	ug/l #	16
52) Toluene	10.41	92	131377	4.249	ug/l	98
68) m/p-Xylenes	11.86	106	51804	2.307	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	342433	60.139	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	342433	119.460	ug/l #	10

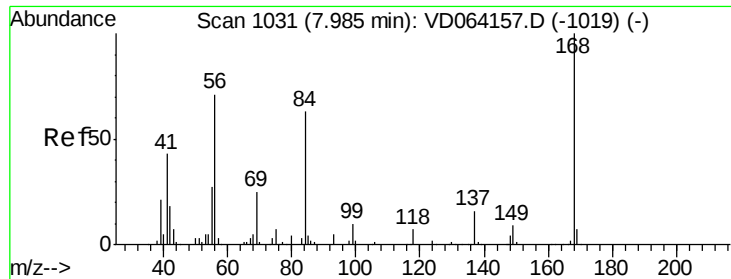
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112119\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
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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: VD064333.D

Acq: 21 Nov 2019 19:20

Instrument :

MSVOA_D

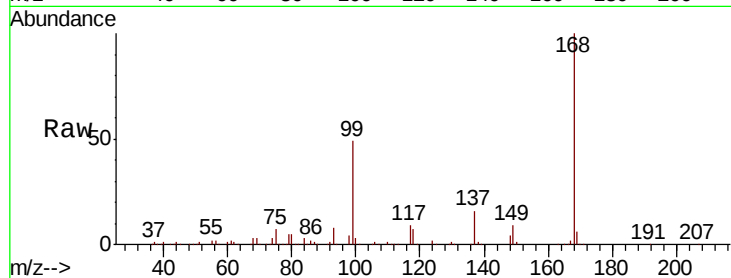
ClientSampleId :

Tot Ion:168 Resp: 1295083

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

7.98

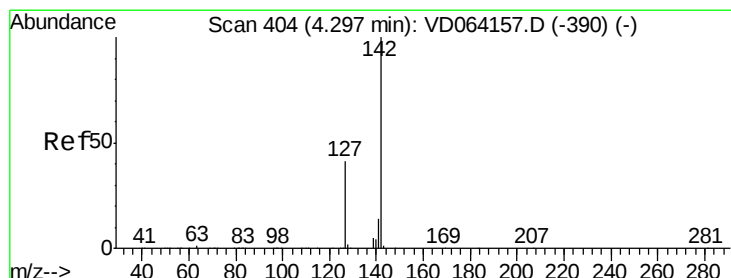
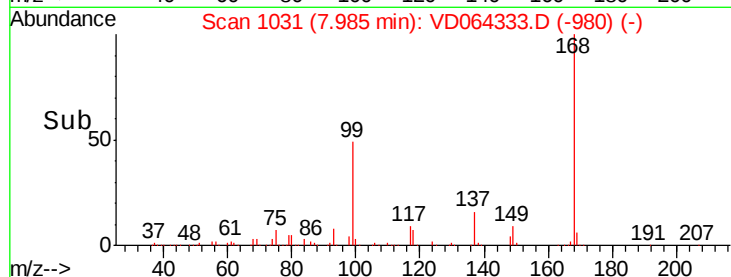
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 2.046 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064333.D

Acq: 21 Nov 2019 19:20

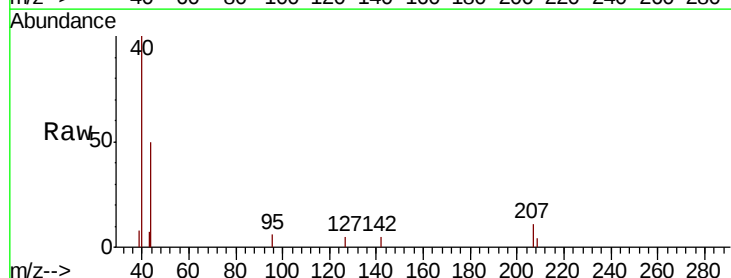
Tgt Ion:142 Resp: 193

Ion Ratio Lower Upper

142 100

127 63.7 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

4.30

250

200

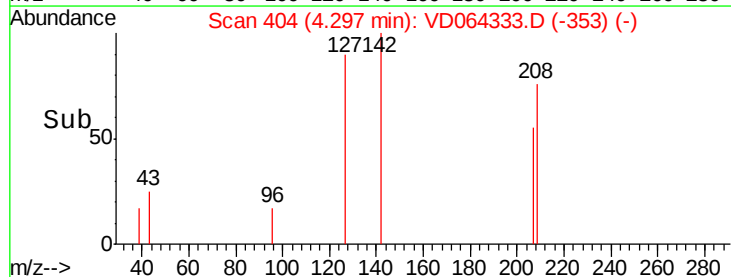
150

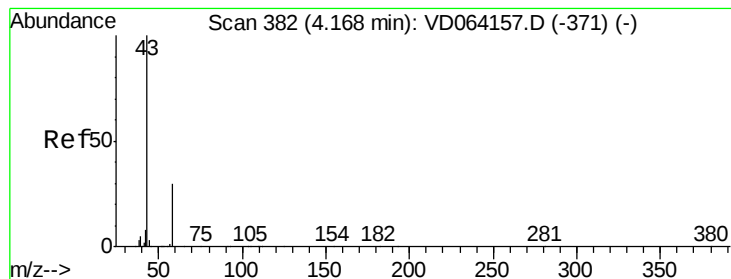
100

50

0

Time-->





#16

Acetone

Concen: 1.460 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064333.D

Acq: 21 Nov 2019 19:20

Instrument :

MSVOA_D

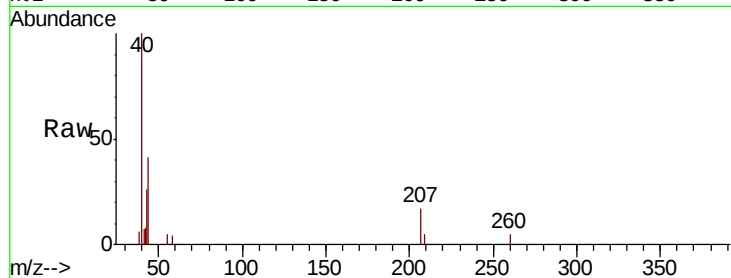
ClientSampled :

Tot Ion: 43 Resp: 3683

Ion Ratio Lower Upper

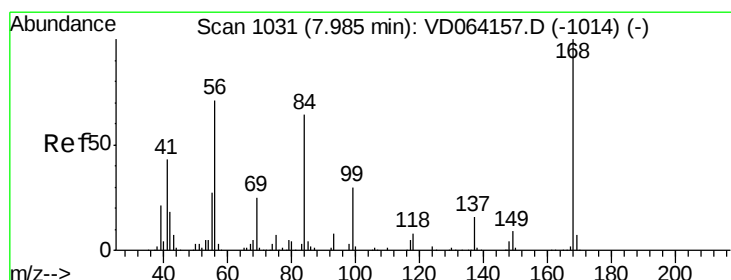
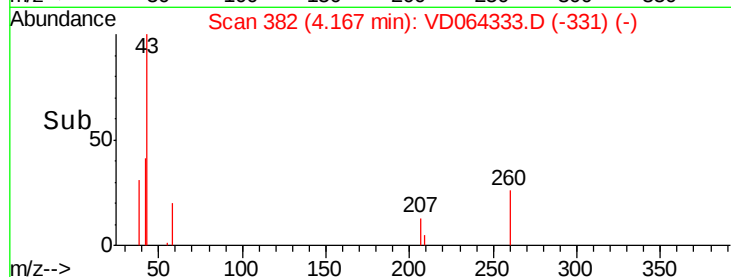
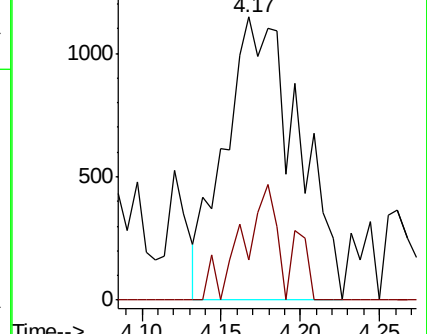
43 100

58 14.3 24.1 36.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064333.D

Acq: 21 Nov 2019 19:20

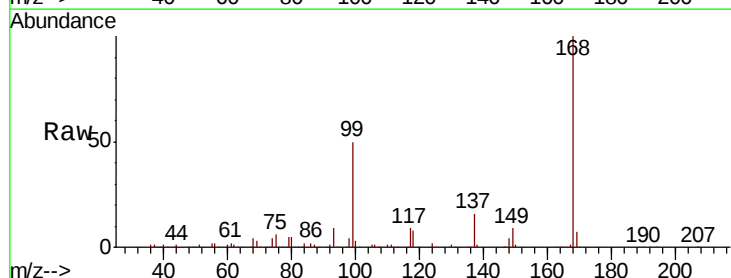
Tgt Ion: 56 Resp: 23898

Ion Ratio Lower Upper

56 100

69 148.8 28.2 42.4#

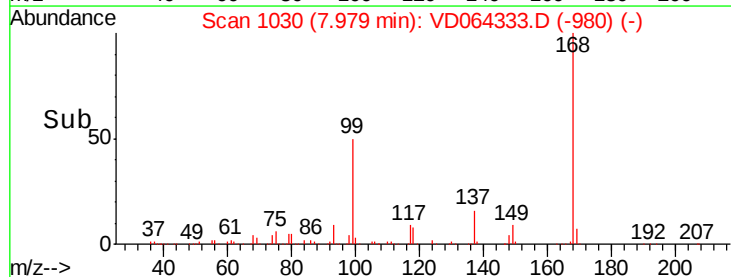
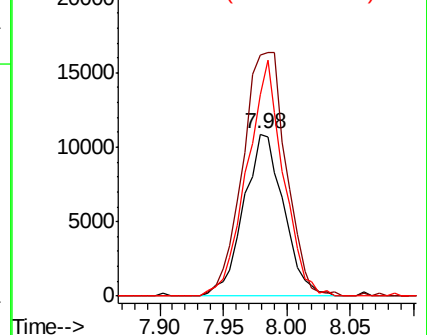
84 124.2 71.8 107.6#

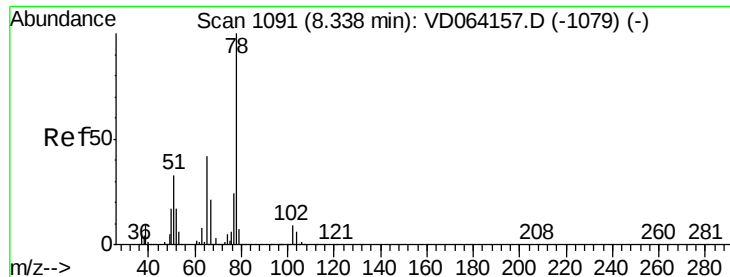


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

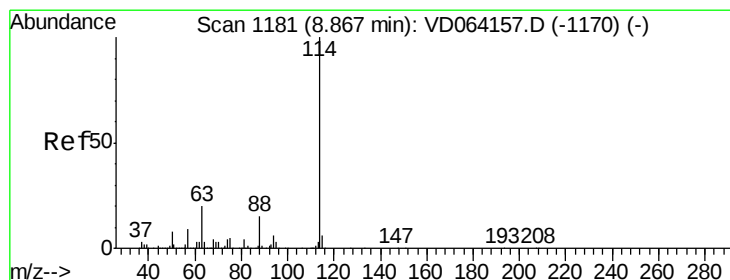
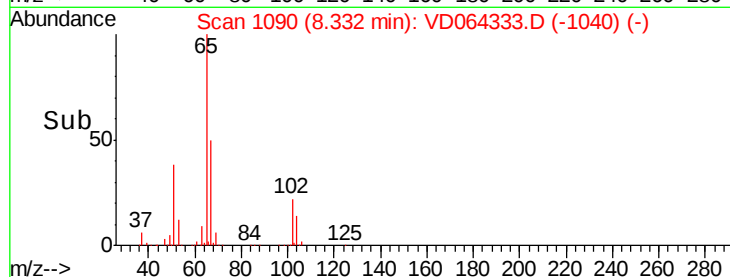
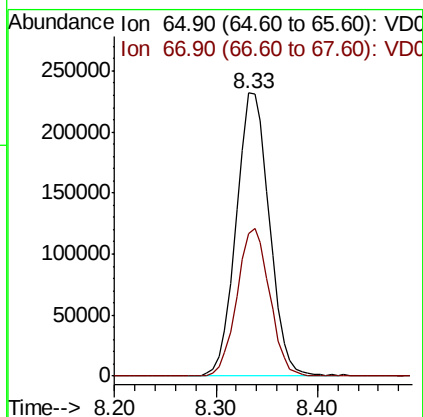
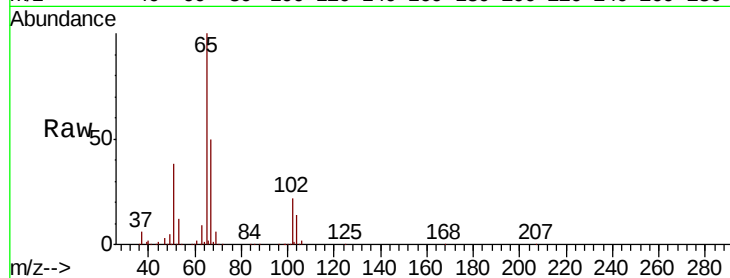




#33
 1,2-Dichloroethane-d4
 Concen: 49.484 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064333.D
 Acq: 21 Nov 2019 19:20

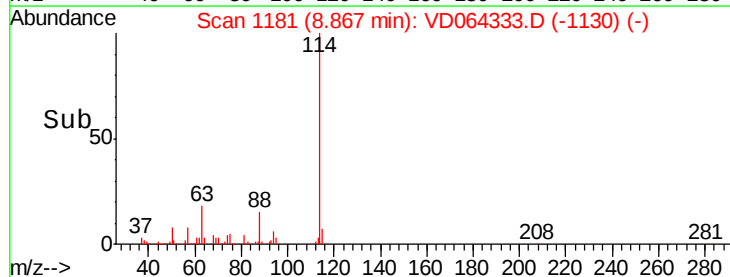
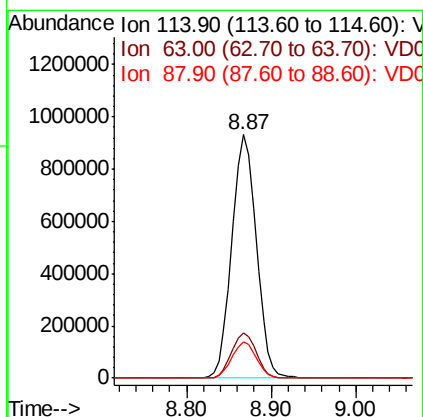
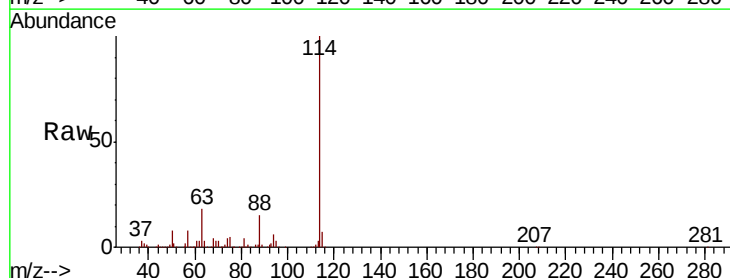
Instrument :
 MSVOA_D
 ClientSampleId :

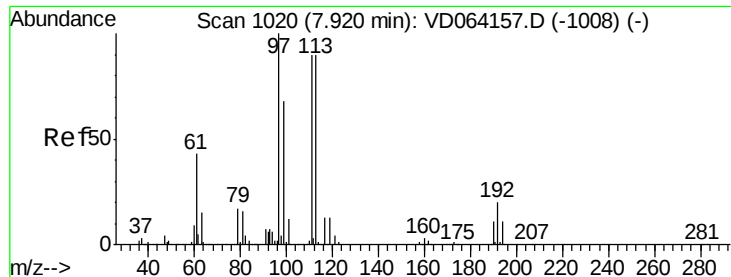
Tot Ion: 65 Resp: 527068
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064333.D
 Acq: 21 Nov 2019 19:20

Tgt Ion: 114 Resp: 1863996
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 40.0
 88 14.7 0.0 30.2

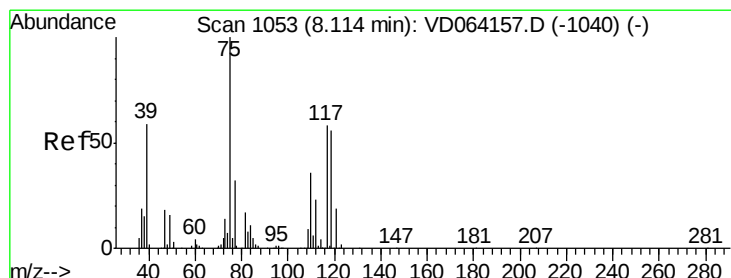
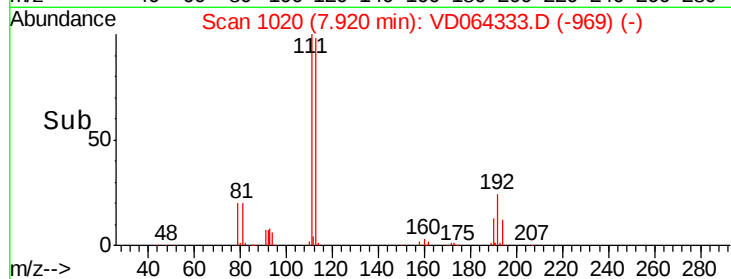
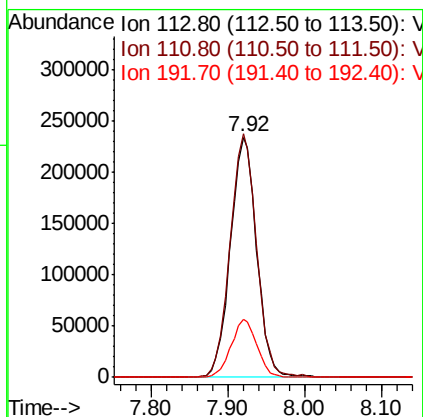
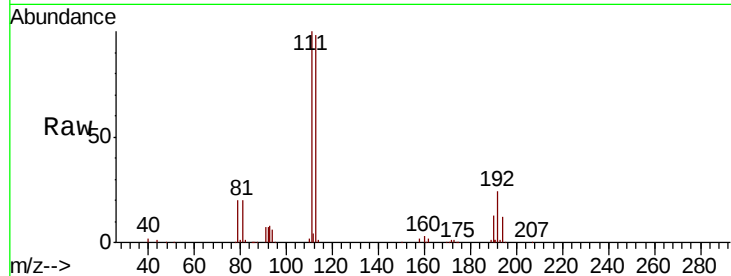




#35
 Dibromofluoromethane
 Concen: 52.201 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064333.D
 Acq: 21 Nov 2019 19:20

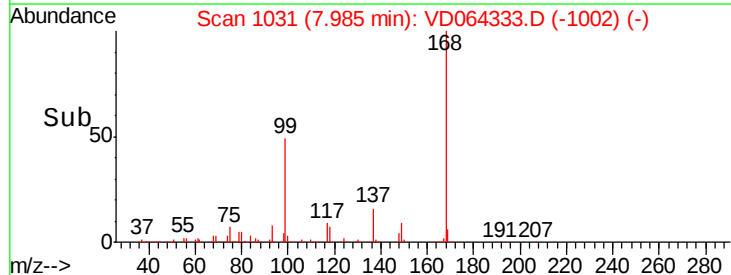
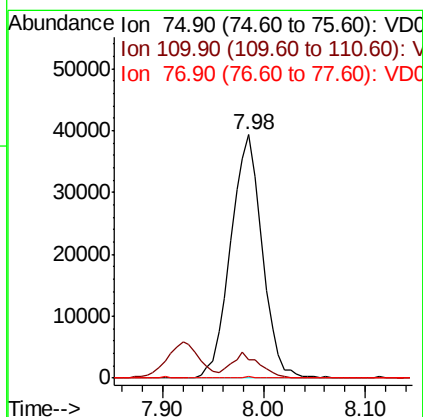
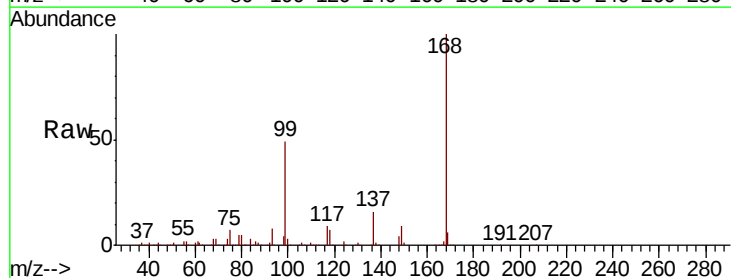
Instrument :
 MSVOA_D
 ClientSampleId :

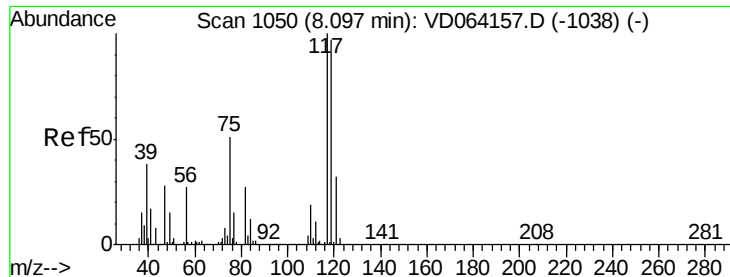
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.5	122.3
192	23.9	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.913 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064333.D
 Acq: 21 Nov 2019 19:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.4	18.3	54.9#
77	0.1	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.310 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064333.D

Acq: 21 Nov 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

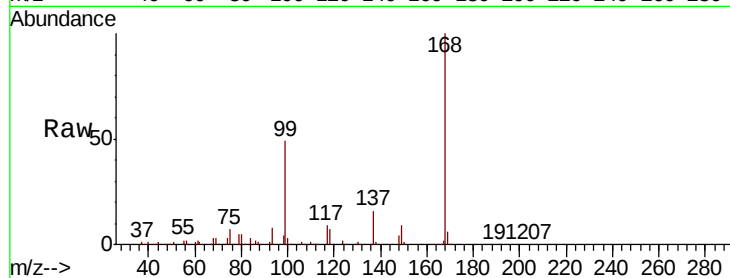
Tot Ion:117 Resp: 116152

Ion Ratio Lower Upper

117 100

119 4.9 77.2 115.8#

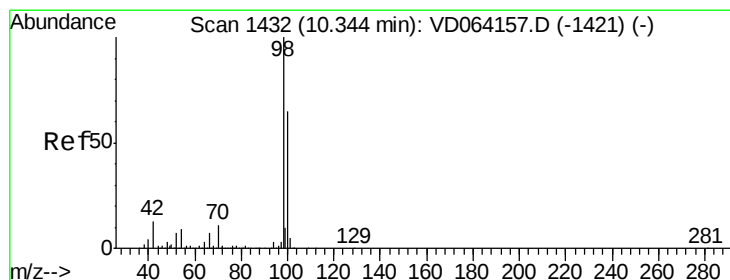
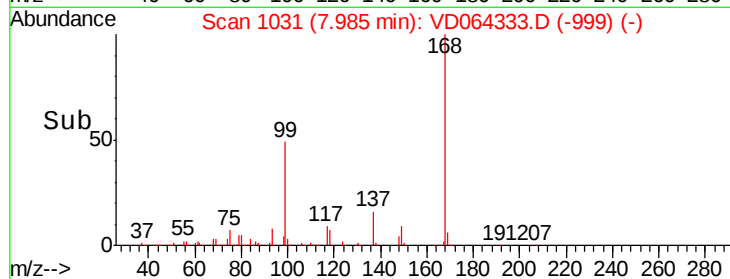
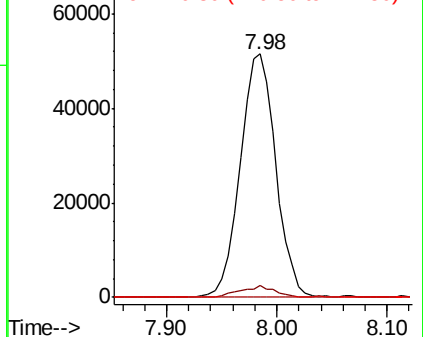
121 0.0 25.5 38.3#



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: 53.278 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD064333.D

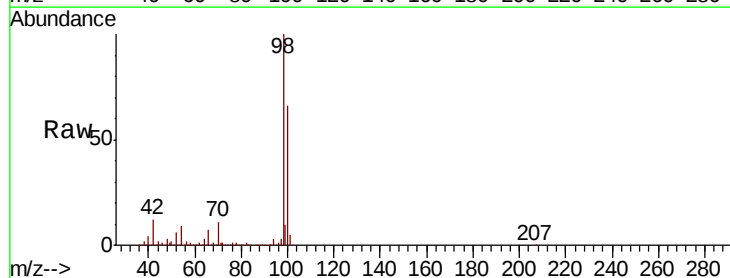
Acq: 21 Nov 2019 19:20

Tgt Ion: 98 Resp: 2150484

Ion Ratio Lower Upper

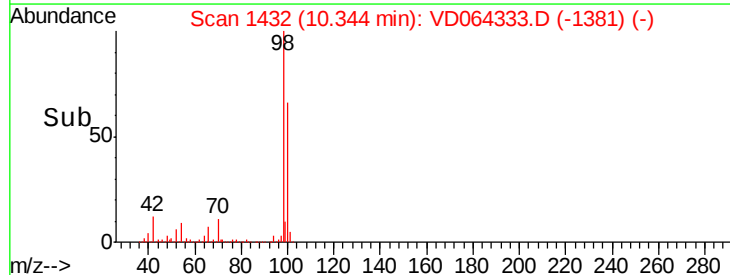
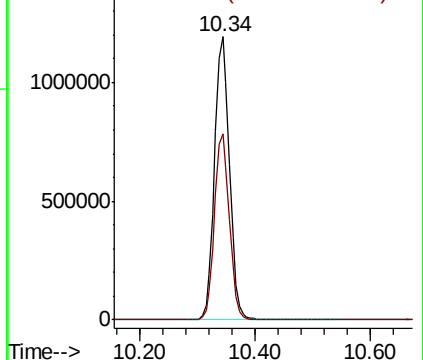
98 100

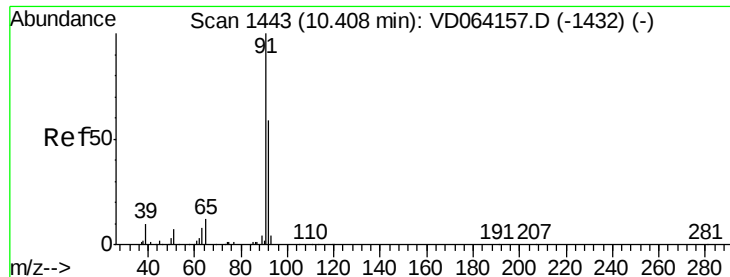
100 65.6 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 4.249 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064333.D

Acq: 21 Nov 2019 19:20

Instrument :

MSVOA_D

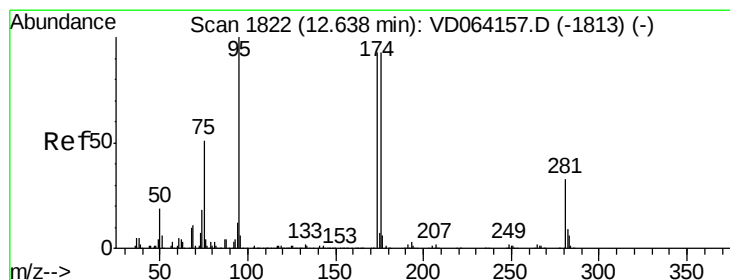
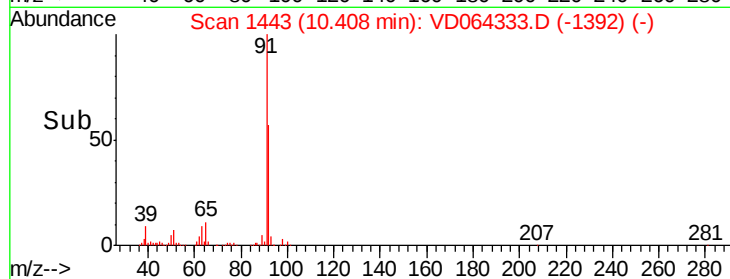
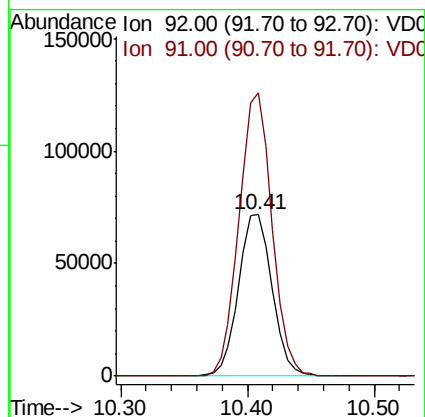
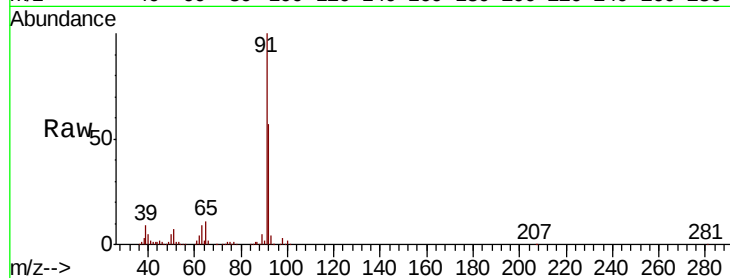
ClientSampleId :

Tot Ion: 92 Resp: 131377

Ion Ratio Lower Upper

92 100

91 173.5 136.4 204.6



#62

4-Bromofluorobenzene

Concen: 47.261 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064333.D

Acq: 21 Nov 2019 19:20

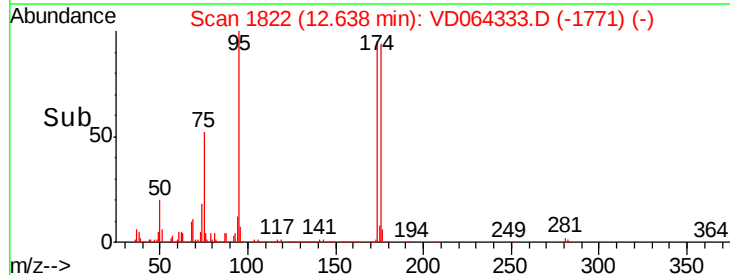
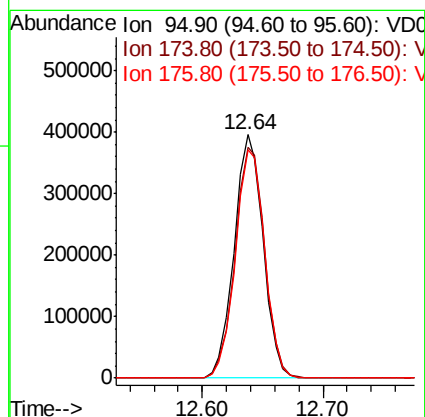
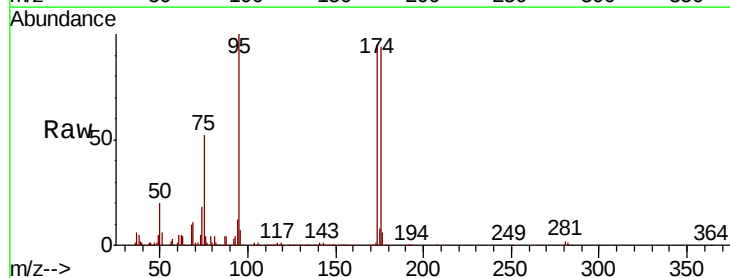
Tgt Ion: 95 Resp: 660627

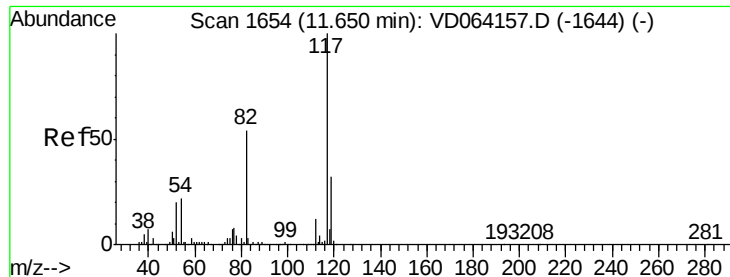
Ion Ratio Lower Upper

95 100

174 96.9 0.0 183.6

176 95.4 0.0 180.2

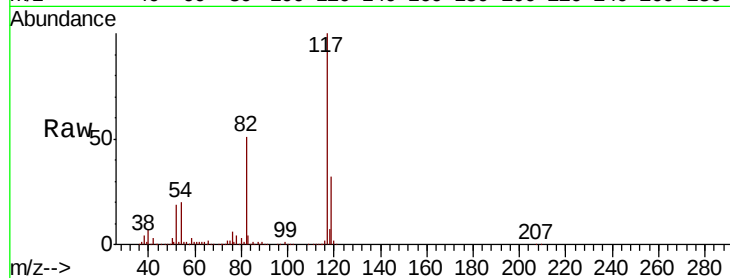




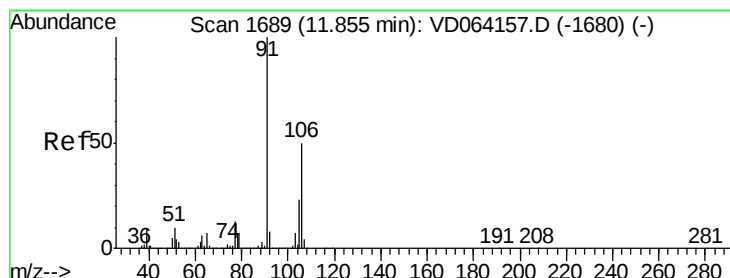
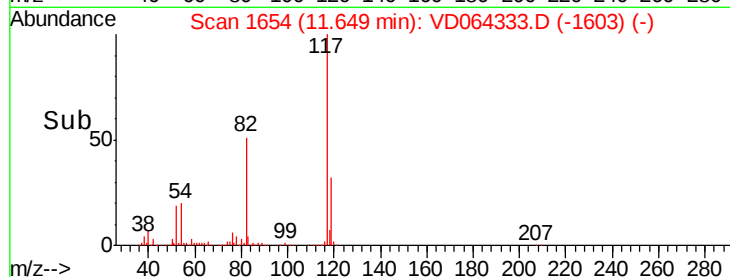
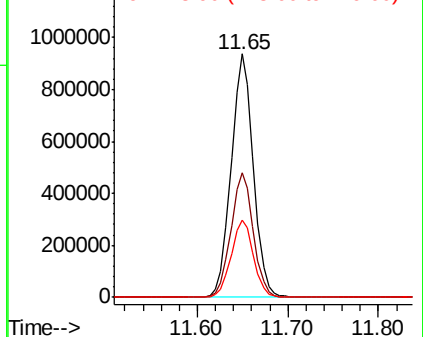
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064333.D
Acq: 21 Nov 2019 19:20

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1592852
Ion Ratio Lower Upper
117 100
82 51.2 42.8 64.2
119 31.7 25.6 38.4

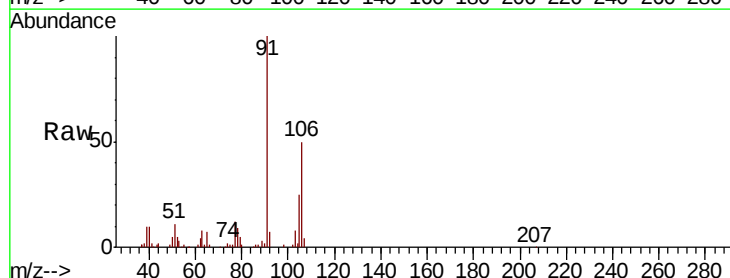


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

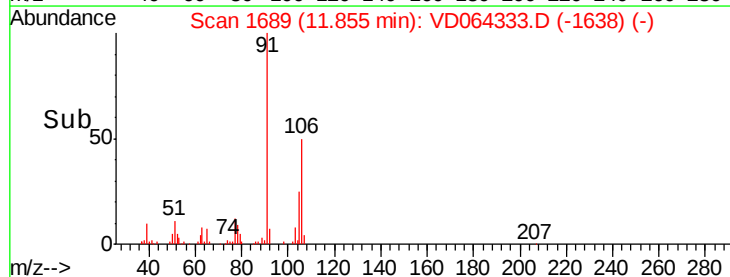
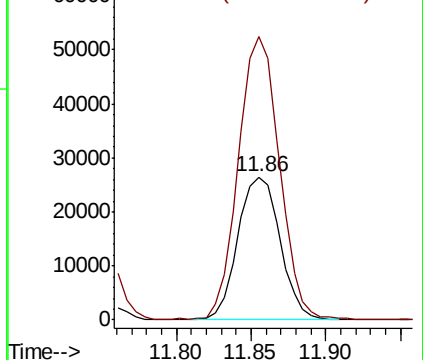


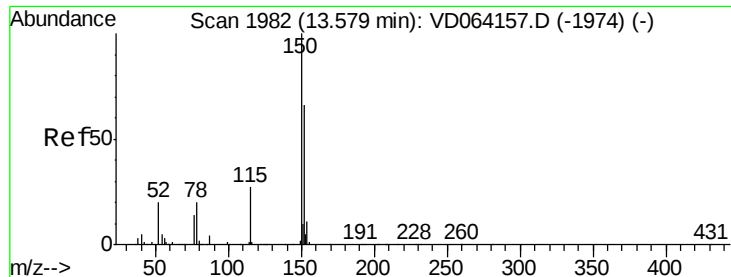
#68
m/p-Xylenes
Concen: 2.307 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064333.D
Acq: 21 Nov 2019 19:20

Tgt Ion:106 Resp: 51804
Ion Ratio Lower Upper
106 100
91 194.0 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): 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: VD064333.D

Acq: 21 Nov 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

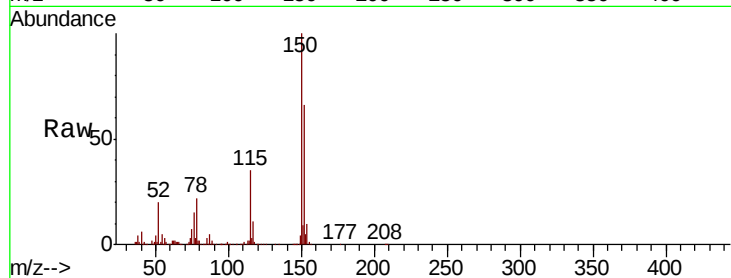
Tot Ion:152 Resp: 706920

Ion Ratio Lower Upper

152 100

115 53.5 27.4 82.2

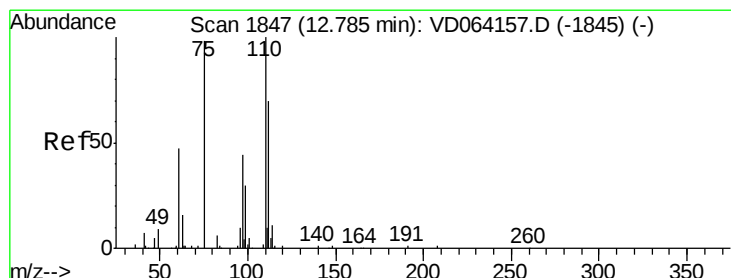
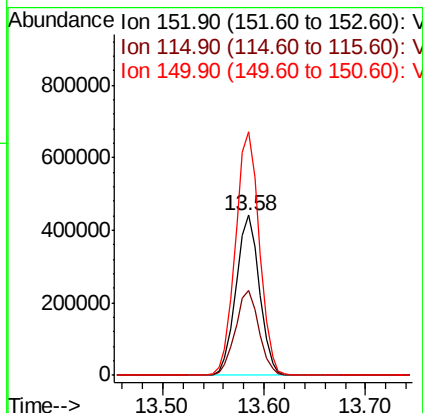
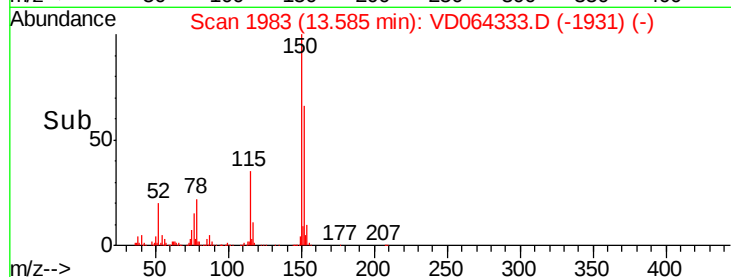
150 155.5 0.0 351.6



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: 60.139 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064333.D

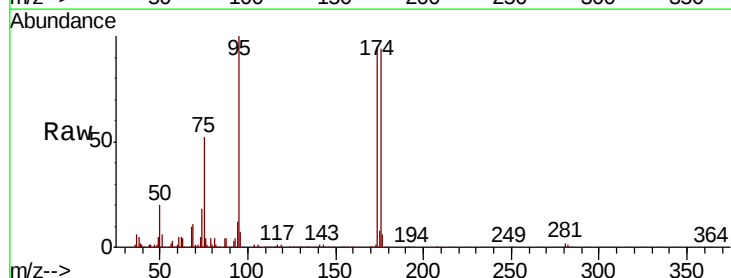
Acq: 21 Nov 2019 19:20

Tgt Ion: 75 Resp: 342433

Ion Ratio Lower Upper

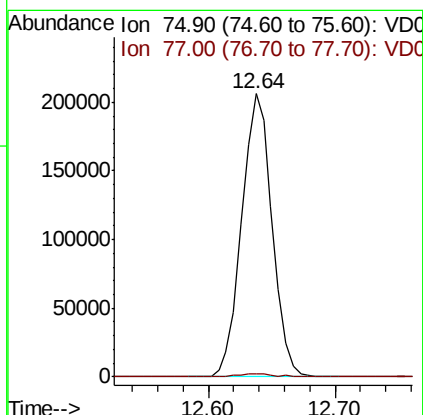
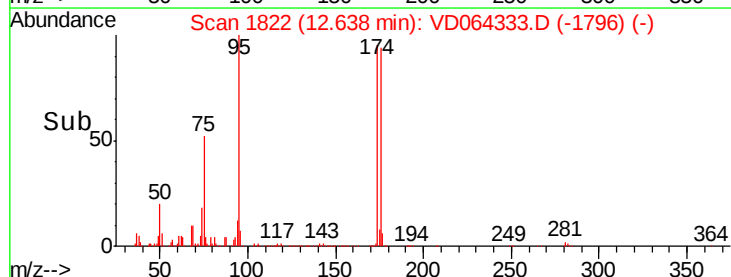
75 100

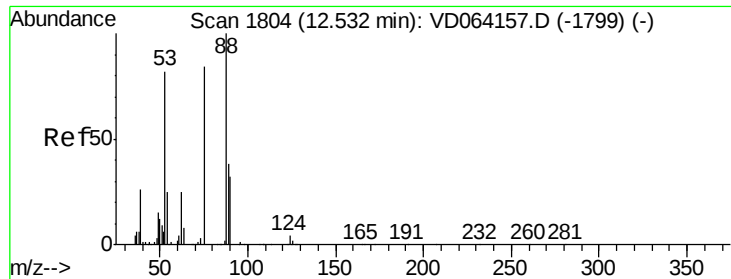
77 1.3 0.0 0.0#



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: 119.460 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064333.D

Acq: 21 Nov 2019 19:20

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 342433

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#

