

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064327.D
 Acq On : 21 Nov 2019 16:27
 Operator : VA/SY
 Sample : K5933-04RE
 Misc : 6.67G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:42:52 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	997444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1416231	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1237706	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	622827	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	404415	49.30	ug/l	0.00
Spiked Amount			Recovery	=	98.60%	
35) Dibromofluoromethane	7.92	113	427985	52.65	ug/l	0.00
Spiked Amount			Recovery	=	105.30%	
50) Toluene-d8	10.34	98	1626392	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
62) 4-Bromofluorobenzene	12.64	95	534563	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	

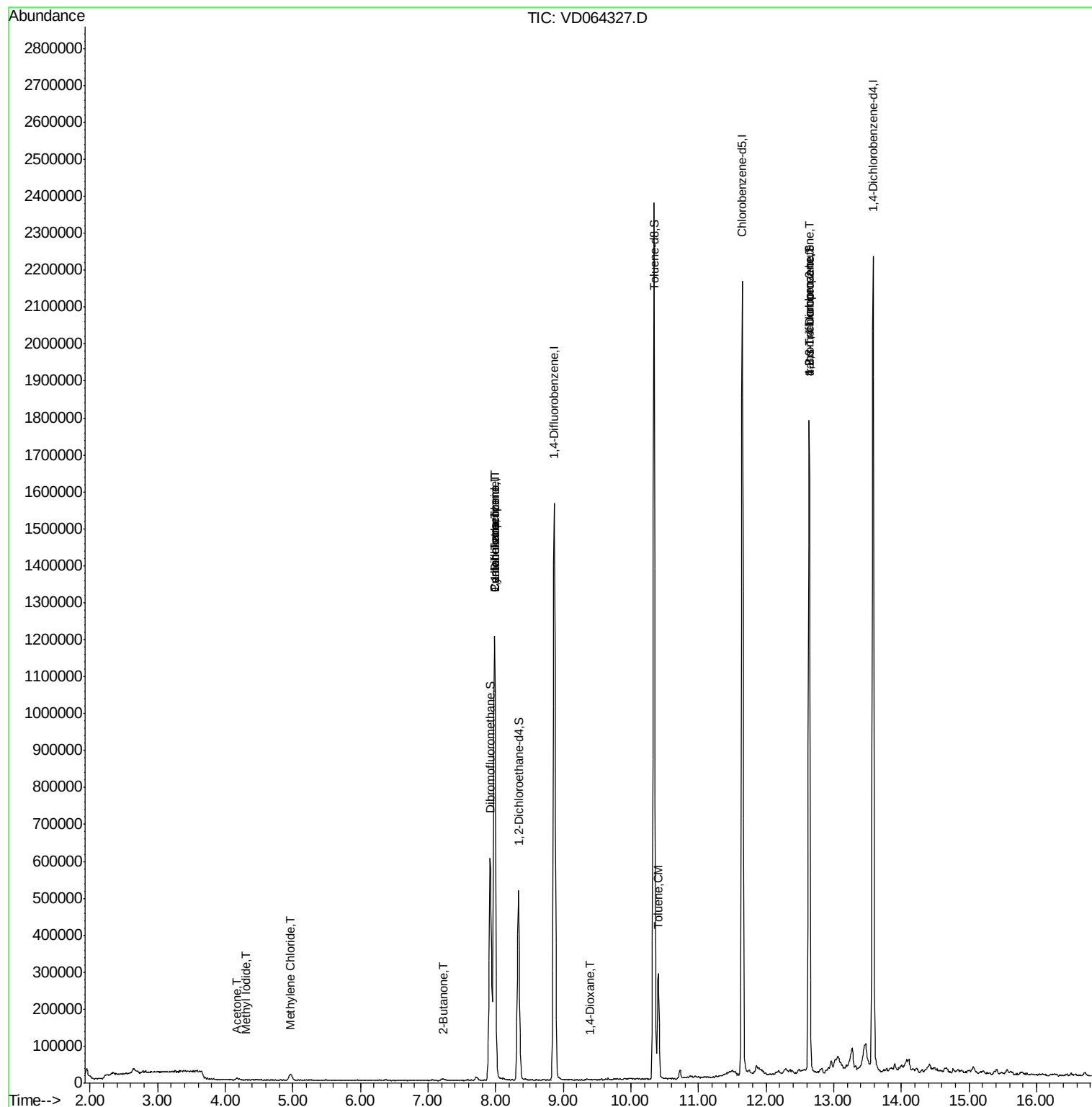
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.30	142	599	2.089	ug/l #	86
16) Acetone	4.17	43	8346	4.295	ug/l #	74
20) Methylene Chloride	4.96	84	12907	1.315	ug/l	87
25) 2-Butanone	7.23	43	2732	1.088	ug/l #	49
31) Cyclohexane	7.98	56	19459	1.209	ug/l #	44
36) 1,1-Dichloropropene	7.98	75	65032	4.975	ug/l #	49
38) Carbon Tetrachloride	7.98	117	89167	6.376	ug/l #	15
49) 1,4-Dioxane	9.40	88	58	1.038	ug/l #	1
52) Toluene	10.41	92	119838	5.102	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	279275	55.669	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	279275	110.581	ug/l #	10

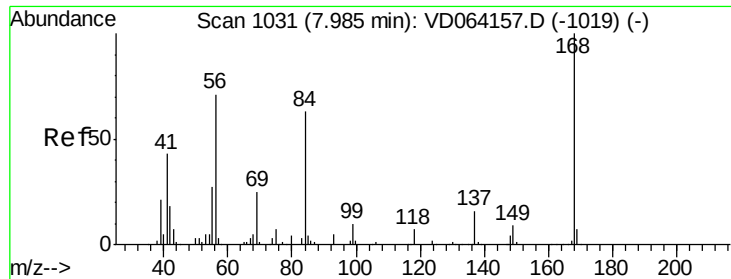
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064327.D

Acq: 21 Nov 2019 16:27

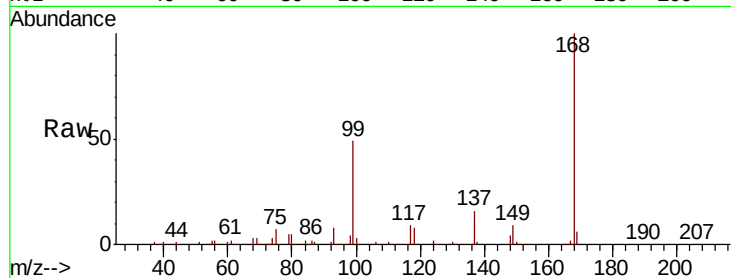
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 997444

Ion Ratio Lower Upper

168 100

99 48.9 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

500000

400000

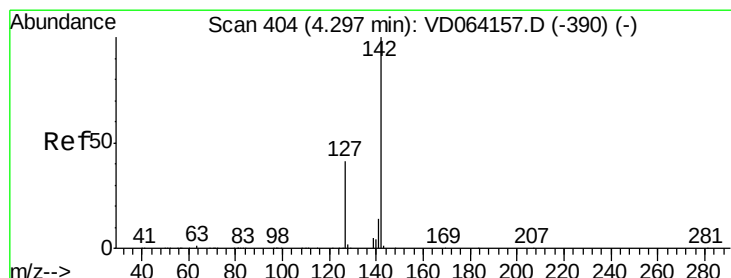
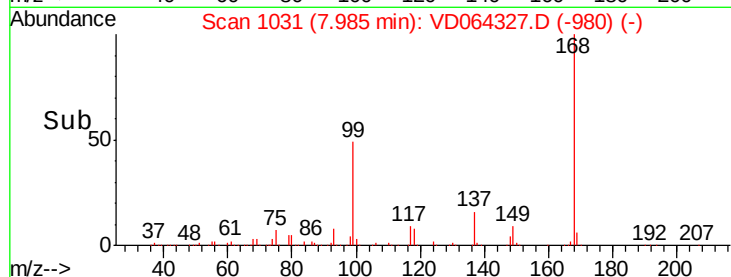
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.089 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD064327.D

Acq: 21 Nov 2019 16:27

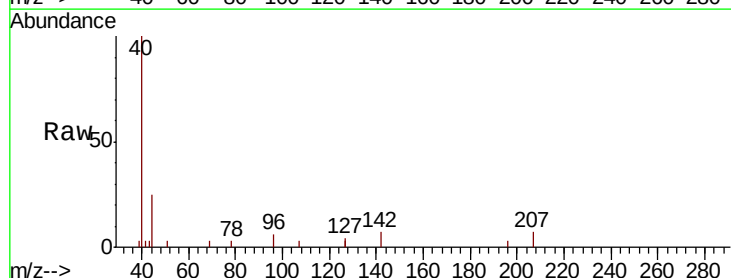
Tgt Ion:142 Resp: 599

Ion Ratio Lower Upper

142 100

127 38.6 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

600

500

400

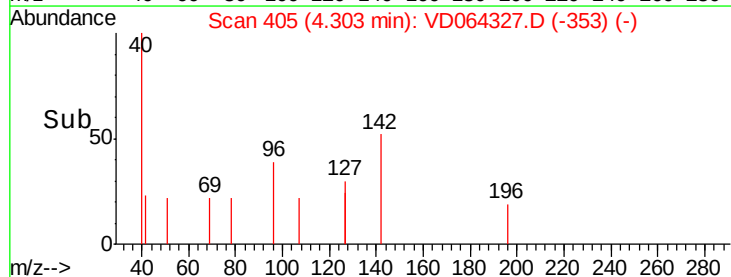
300

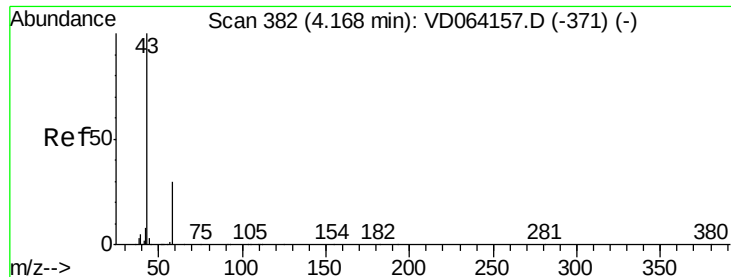
200

100

0

Time-->





#16

Acetone

Concen: 4.295 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.01 min

Lab File: VD064327.D

Acq: 21 Nov 2019 16:27

Instrument :

MSVOA_D

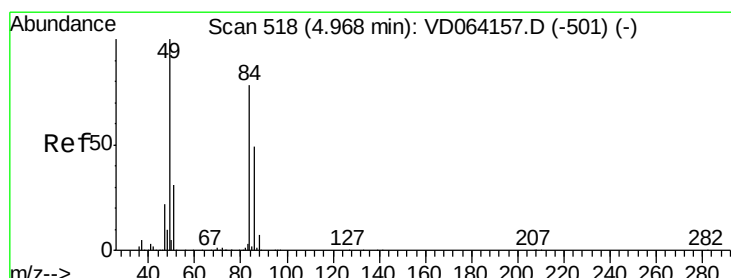
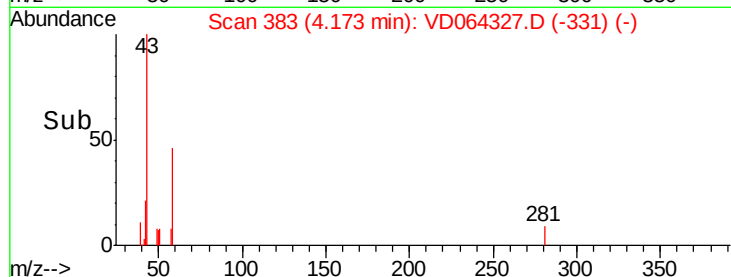
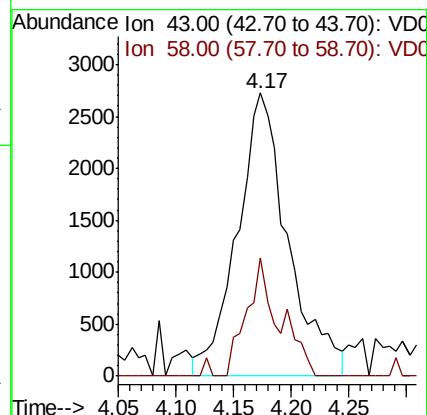
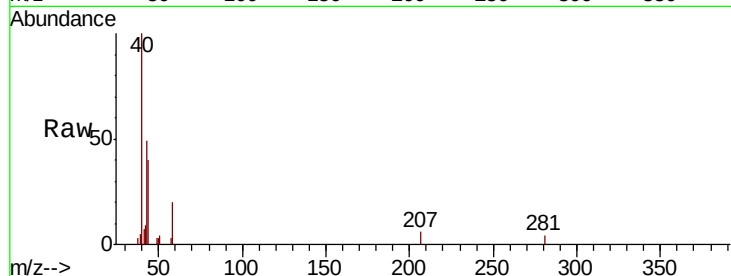
ClientSampleId :

Tot Ion: 43 Resp: 8346

Ion Ratio Lower Upper

43 100

58 44.5 24.1 36.1#



#20

Methylene Chloride

Concen: 1.315 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064327.D

Acq: 21 Nov 2019 16:27

Tgt Ion: 84 Resp: 12907

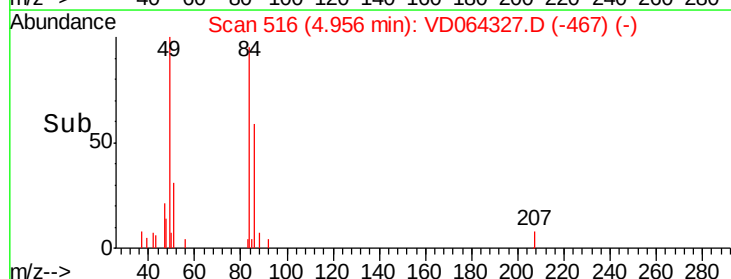
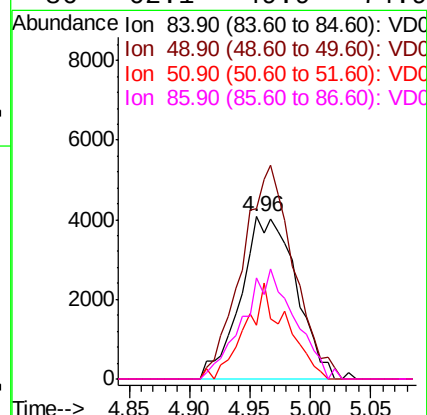
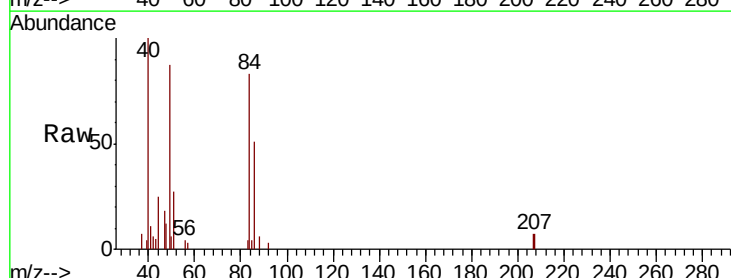
Ion Ratio Lower Upper

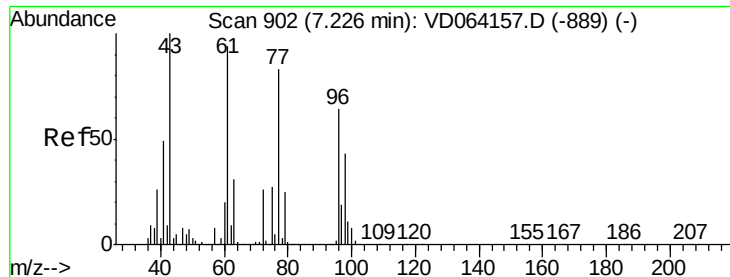
84 100

49 105.3 102.1 153.1

51 32.8 32.2 48.2

86 62.1 49.9 74.9

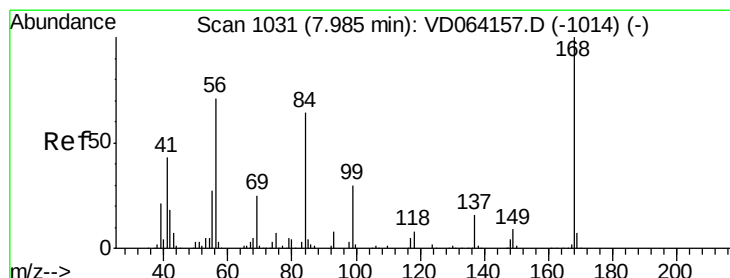
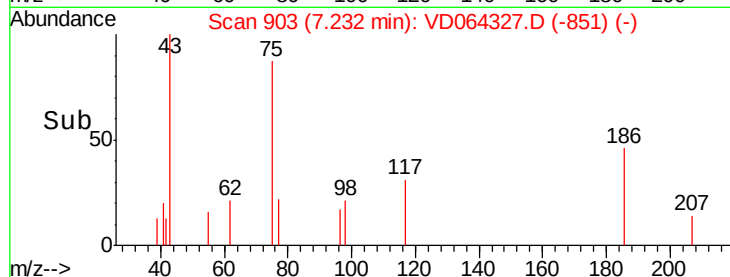
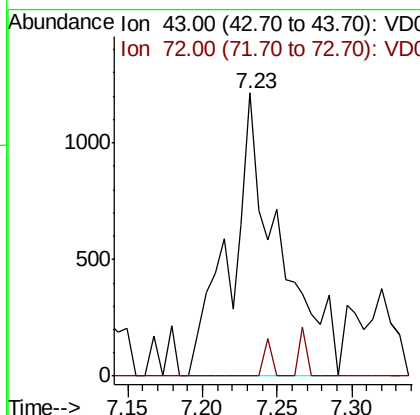
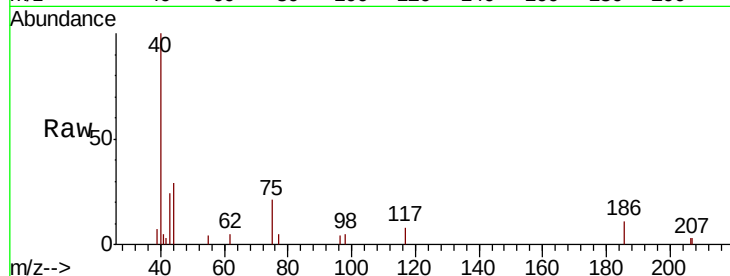




#25
2-Butanone
Concen: 1.088 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064327.D
Acq: 21 Nov 2019 16:27

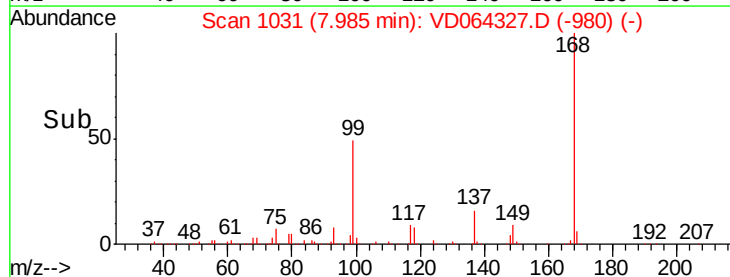
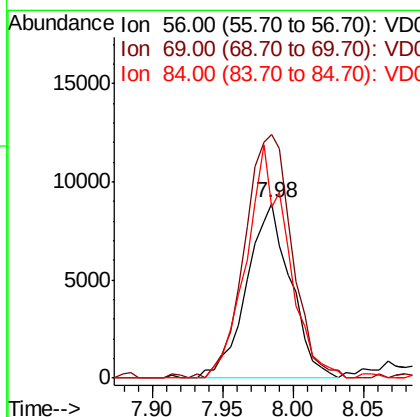
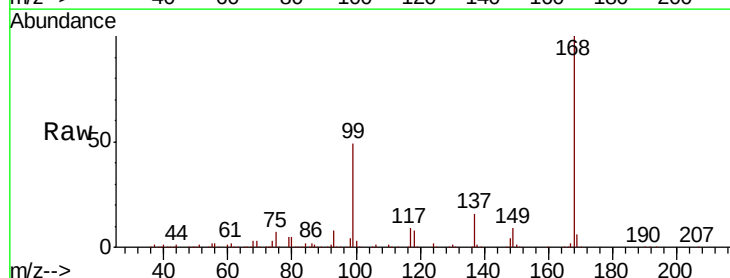
Instrument :
MSVOA_D
ClientSampleID :

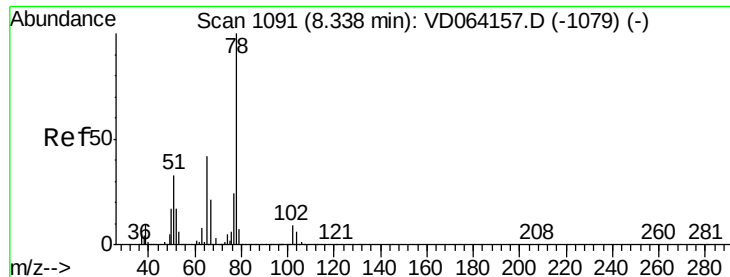
Tot Ion: 43 Resp: 2732
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#



#31
Cyclohexane
Concen: 1.209 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064327.D
Acq: 21 Nov 2019 16:27

Tgt Ion: 56 Resp: 19459
Ion Ratio Lower Upper
56 100
69 139.2 28.2 42.4#
84 97.6 71.8 107.6

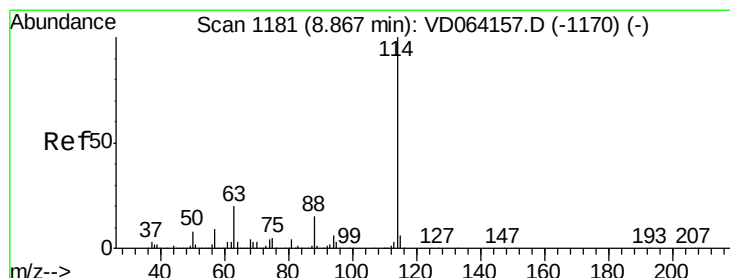
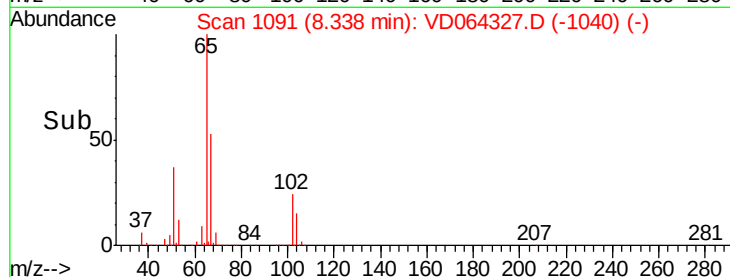
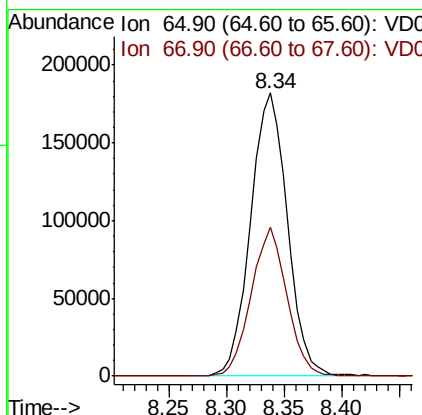
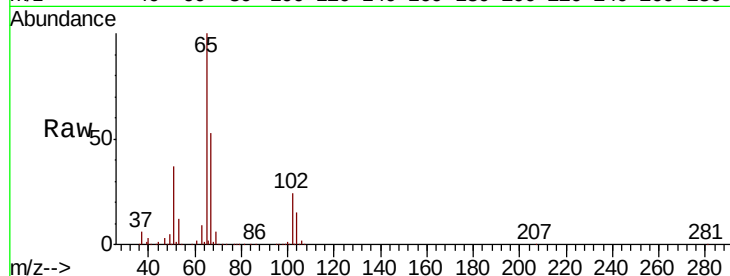




#33
 1,2-Dichloroethane-d4
 Concen: 49.299 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064327.D
 Acq: 21 Nov 2019 16:27

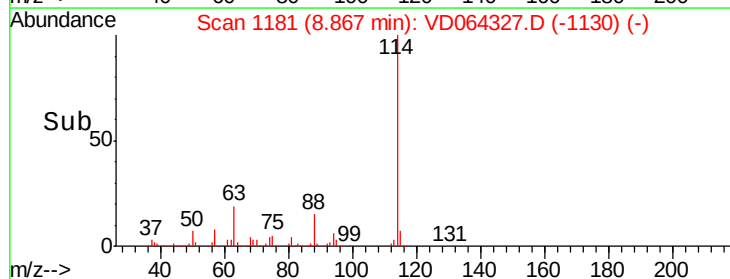
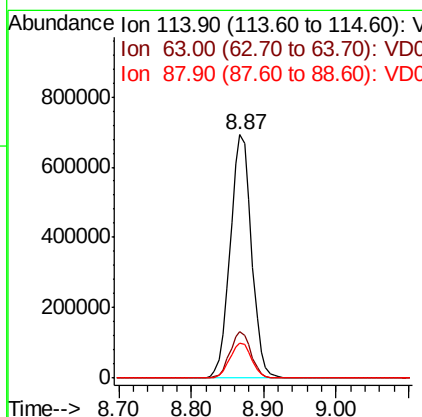
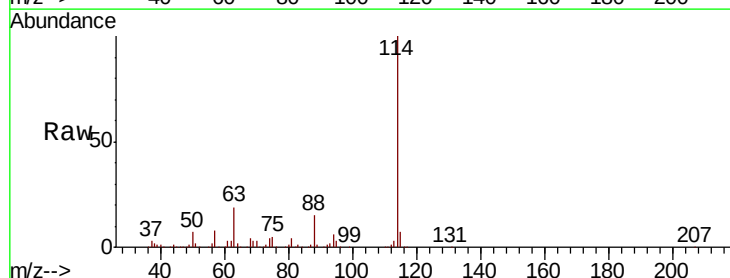
Instrument :
 MSVOA_D
 ClientSampled :

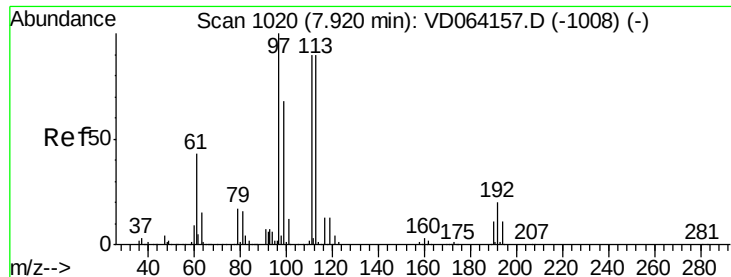
Tot Ion: 65 Resp: 404415
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064327.D
 Acq: 21 Nov 2019 16:27

Tgt Ion: 114 Resp: 1416231
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 14.6 0.0 30.2

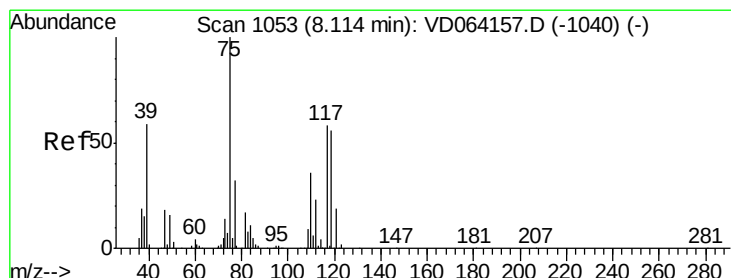
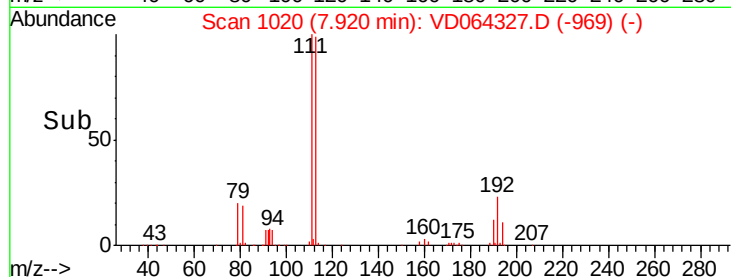
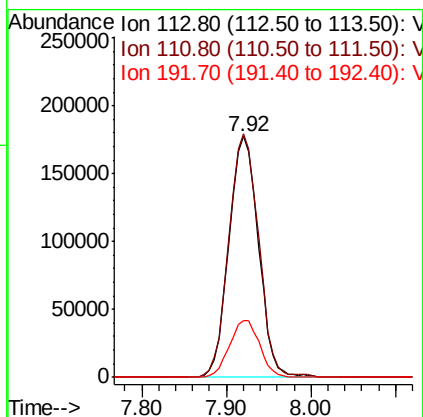
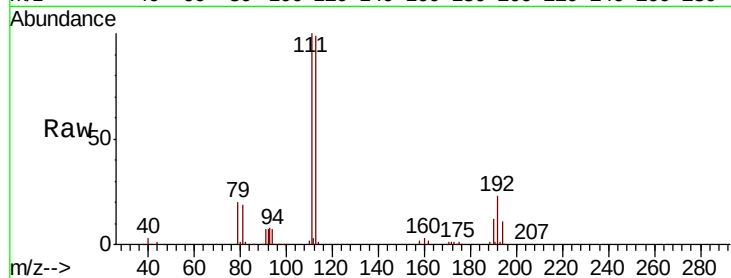




#35
 Dibromofluoromethane
 Concen: 52.647 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064327.D
 Acq: 21 Nov 2019 16:27

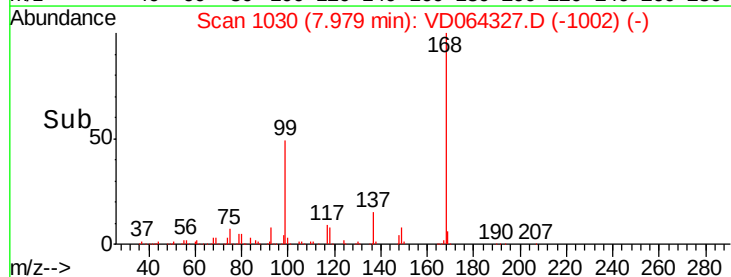
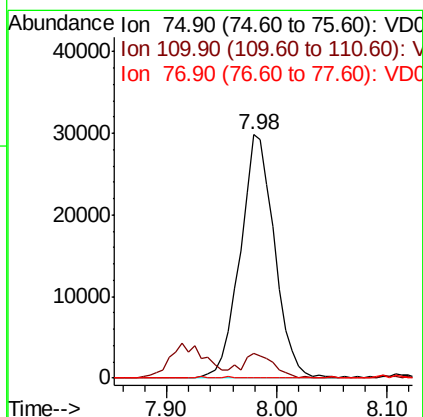
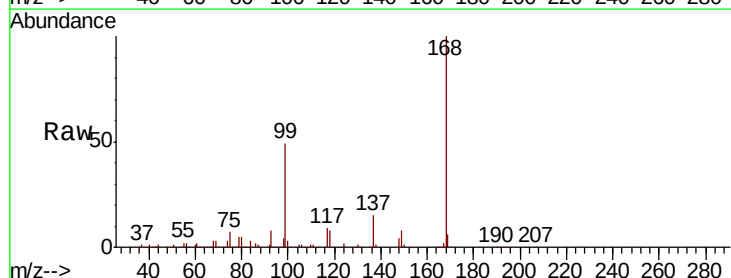
Instrument :
 MSVOA_D
 ClientSampleId :

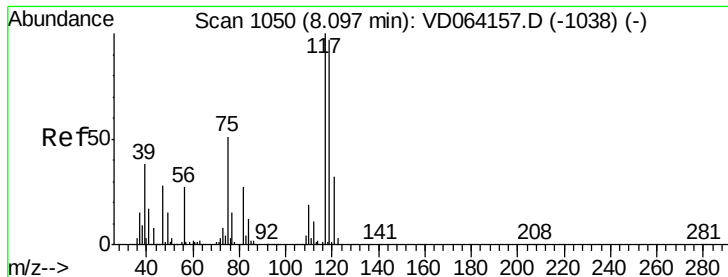
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.5	122.3
192	24.0	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064327.D
 Acq: 21 Nov 2019 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.3	54.9#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 6.376 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064327.D

Acq: 21 Nov 2019 16:27

Instrument :

MSVOA_D

ClientSampleId :

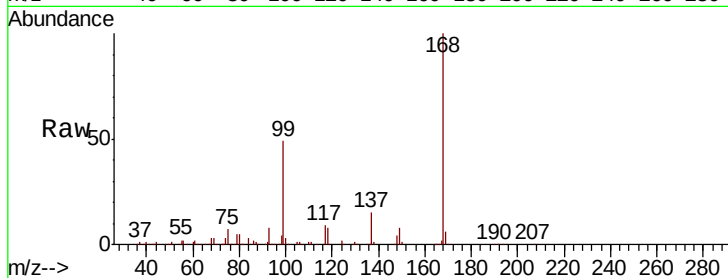
Tot Ion:117 Resp: 89167

Ion Ratio Lower Upper

117 100

119 3.7 77.2 115.8#

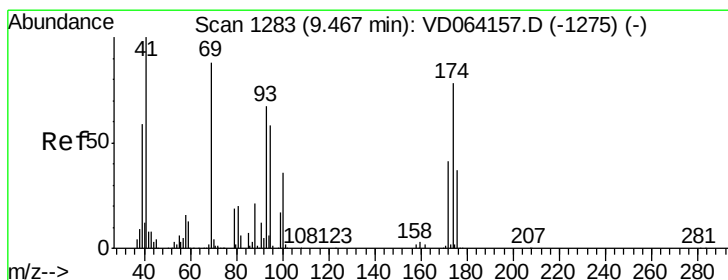
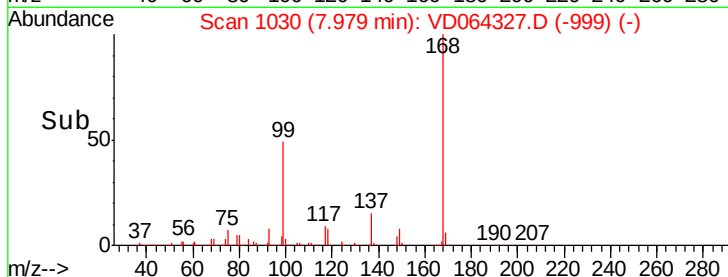
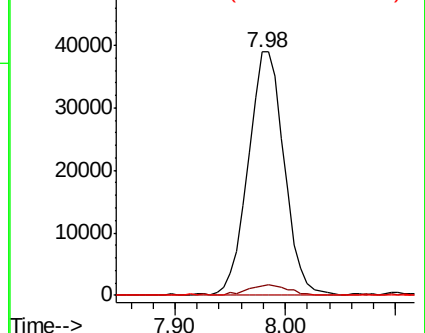
121 0.0 25.5 38.3#



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



#49

1,4-Dioxane

Concen: 1.038 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. -0.07 min

Lab File: VD064327.D

Acq: 21 Nov 2019 16:27

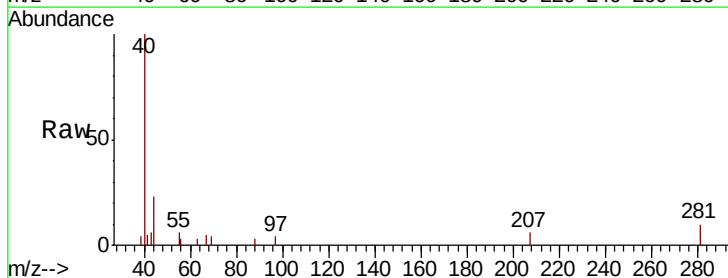
Tgt Ion: 88 Resp: 58

Ion Ratio Lower Upper

88 100

43 681.0 29.8 44.8#

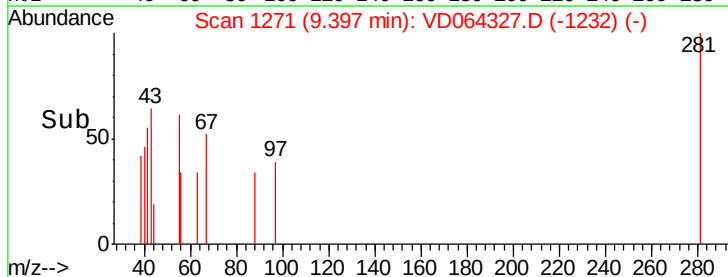
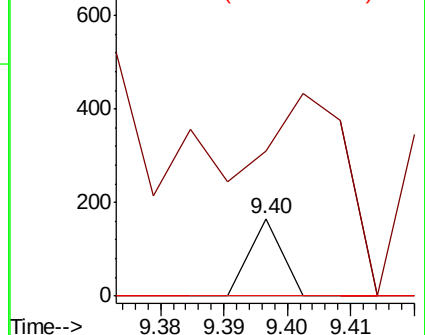
58 0.0 58.1 87.1#

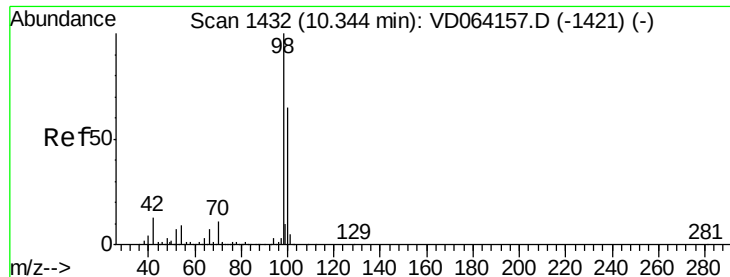


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

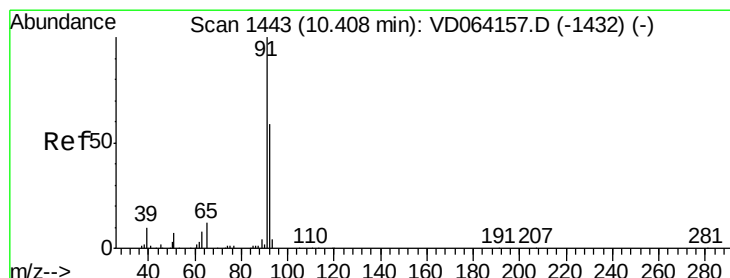
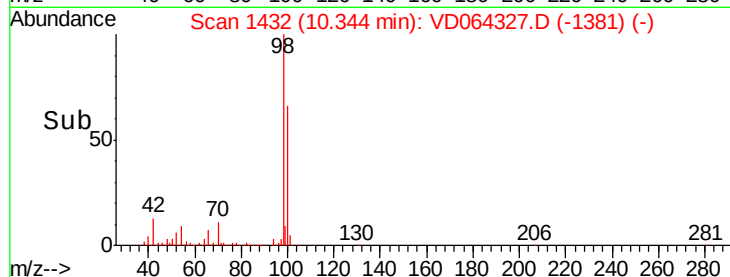
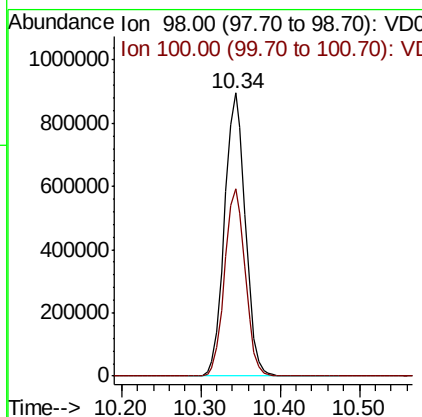
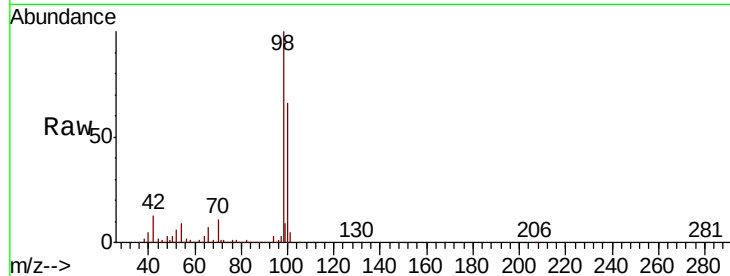




#50
Toluene-d8
Concen: 53.033 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064327.D
Acq: 21 Nov 2019 16:27

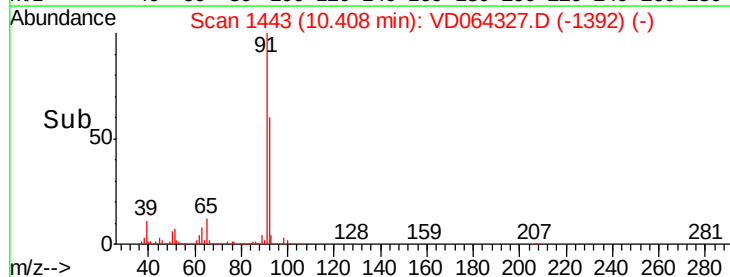
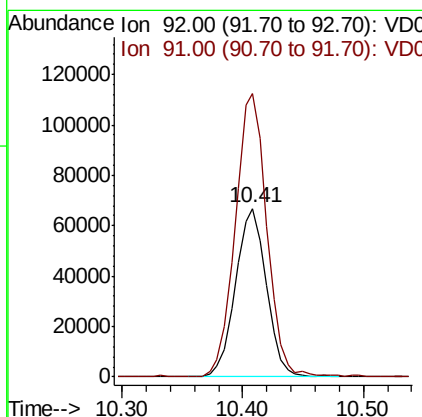
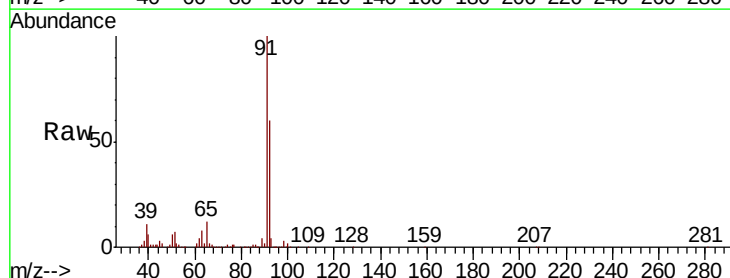
Instrument :
MSVOA_D
ClientSampled :

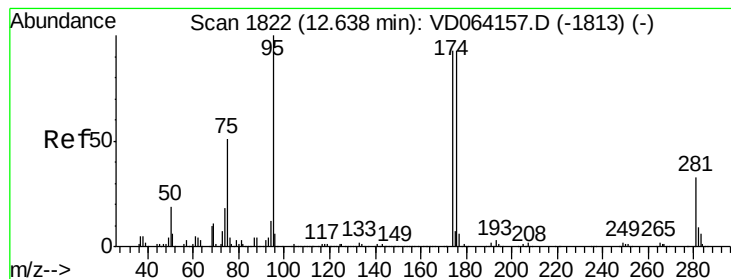
Tot Ion: 98 Resp: 1626392
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#52
Toluene
Concen: 5.102 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064327.D
Acq: 21 Nov 2019 16:27

Tgt Ion: 92 Resp: 119838
Ion Ratio Lower Upper
92 100
91 171.0 136.4 204.6





#62

4-Bromofluorobenzene

Concen: 50.334 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064327.D

Acq: 21 Nov 2019 16:27

Instrument :

MSVOA_D

ClientSampled :

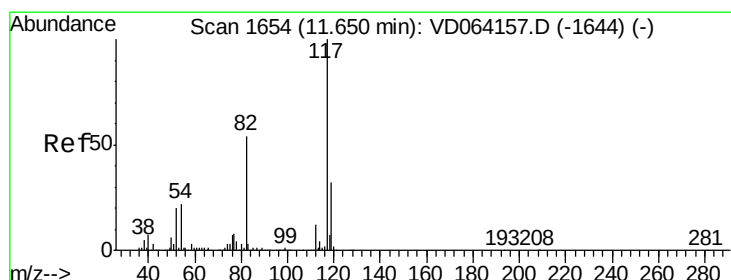
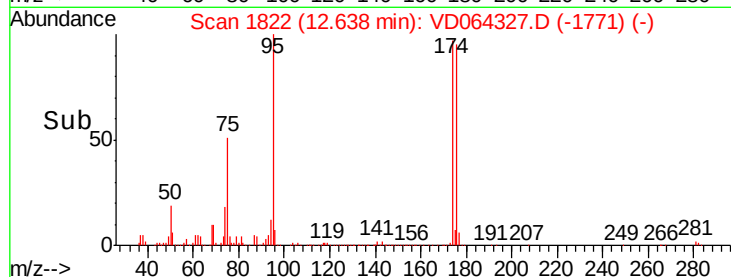
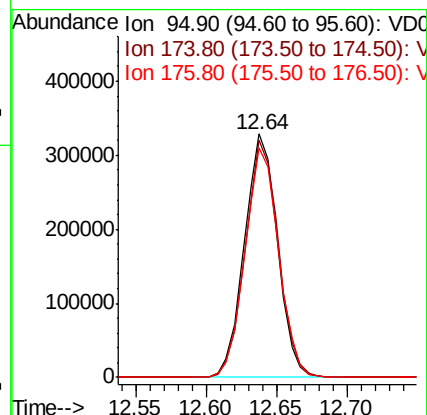
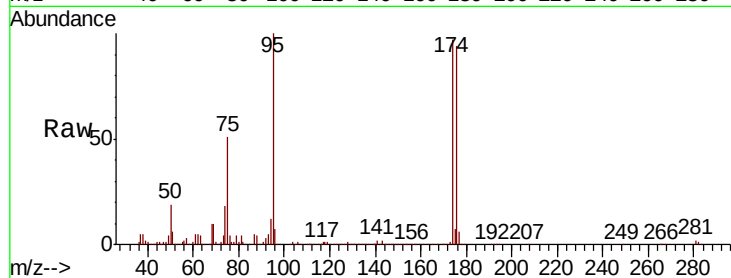
Tot Ion: 95 Resp: 534563

Ion Ratio Lower Upper

95 100

174 98.4 0.0 183.6

176 96.3 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: VD064327.D

Acq: 21 Nov 2019 16:27

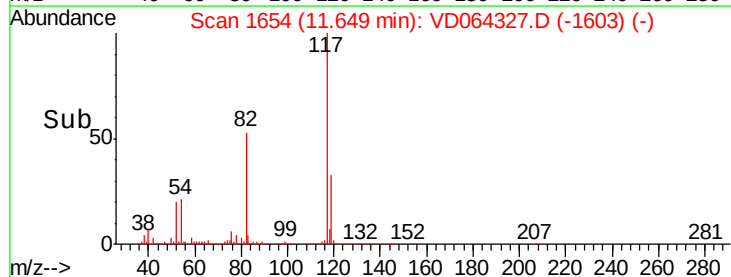
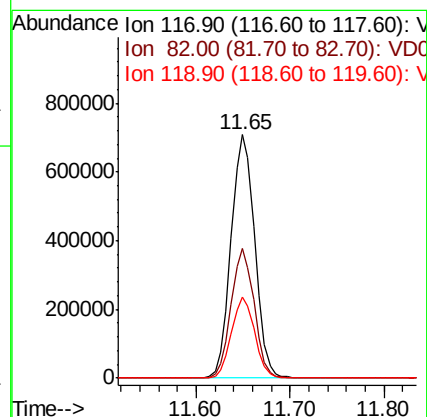
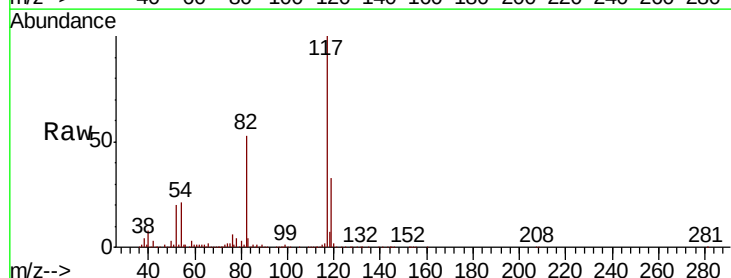
Tgt Ion: 117 Resp: 1237706

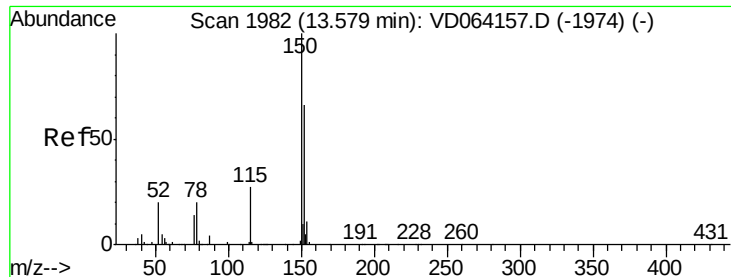
Ion Ratio Lower Upper

117 100

82 53.3 42.8 64.2

119 33.4 25.6 38.4



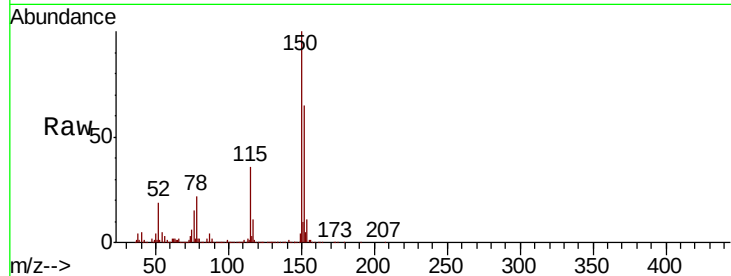


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064327.D
Acq: 21 Nov 2019 16:27

Instrument :
MSVOA_D
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	53.9	27.4	82.2
150	153.8	0.0	351.6

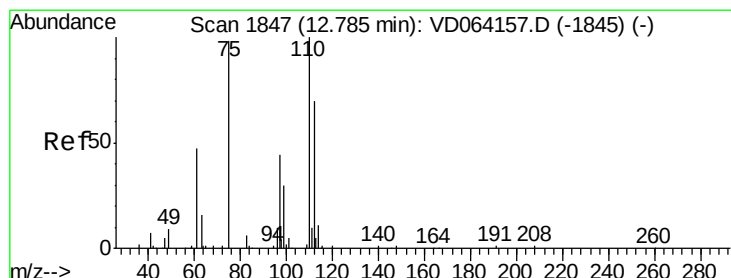
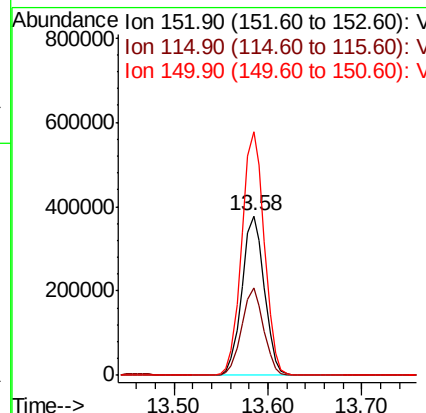
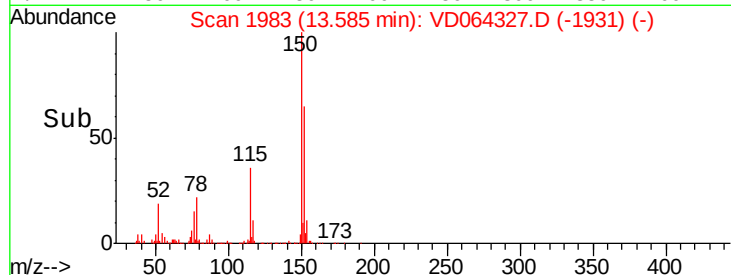


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

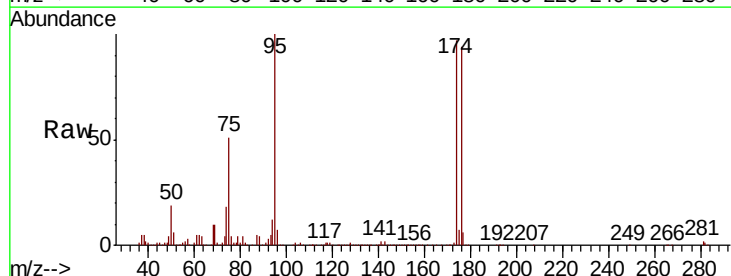
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 55.669 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064327.D
Acq: 21 Nov 2019 16:27

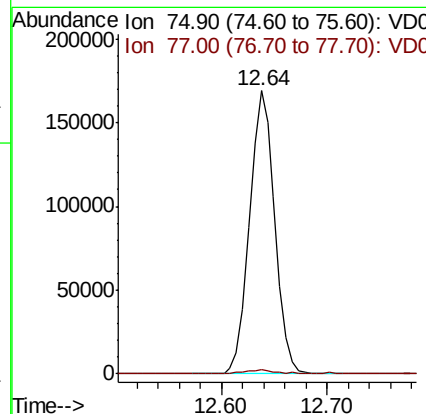
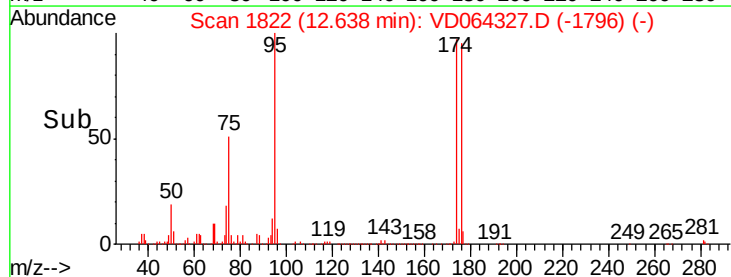
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.9	0.0	0.0#

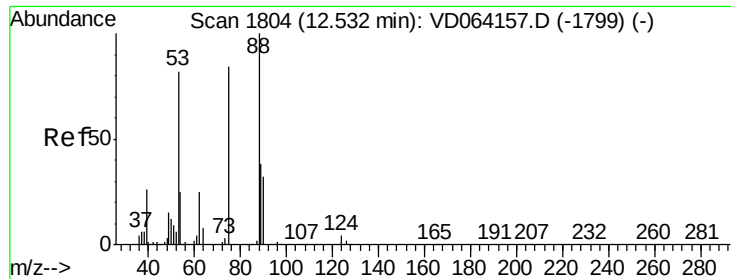


Abundance

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: 110.581 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064327.D
 Acq: 21 Nov 2019 16:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 75 Resp: 279275
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.0#
 89 0.1 36.6 55.0#

