

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064349.D
 Acq On : 22 Nov 2019 16:52
 Operator : VA/SY
 Sample : K6001-01
 Misc : 5.66G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 23 00:47:32 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	824909	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1205583	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1071385	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	521624	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	355435	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	
35) Dibromofluoromethane	7.91	113	365807	52.86	ug/l	0.00
Spiked Amount			Recovery	=	105.72%	
50) Toluene-d8	10.34	98	1407726	53.92	ug/l	0.00
Spiked Amount			Recovery	=	107.84%	
62) 4-Bromofluorobenzene	12.64	95	455238	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	

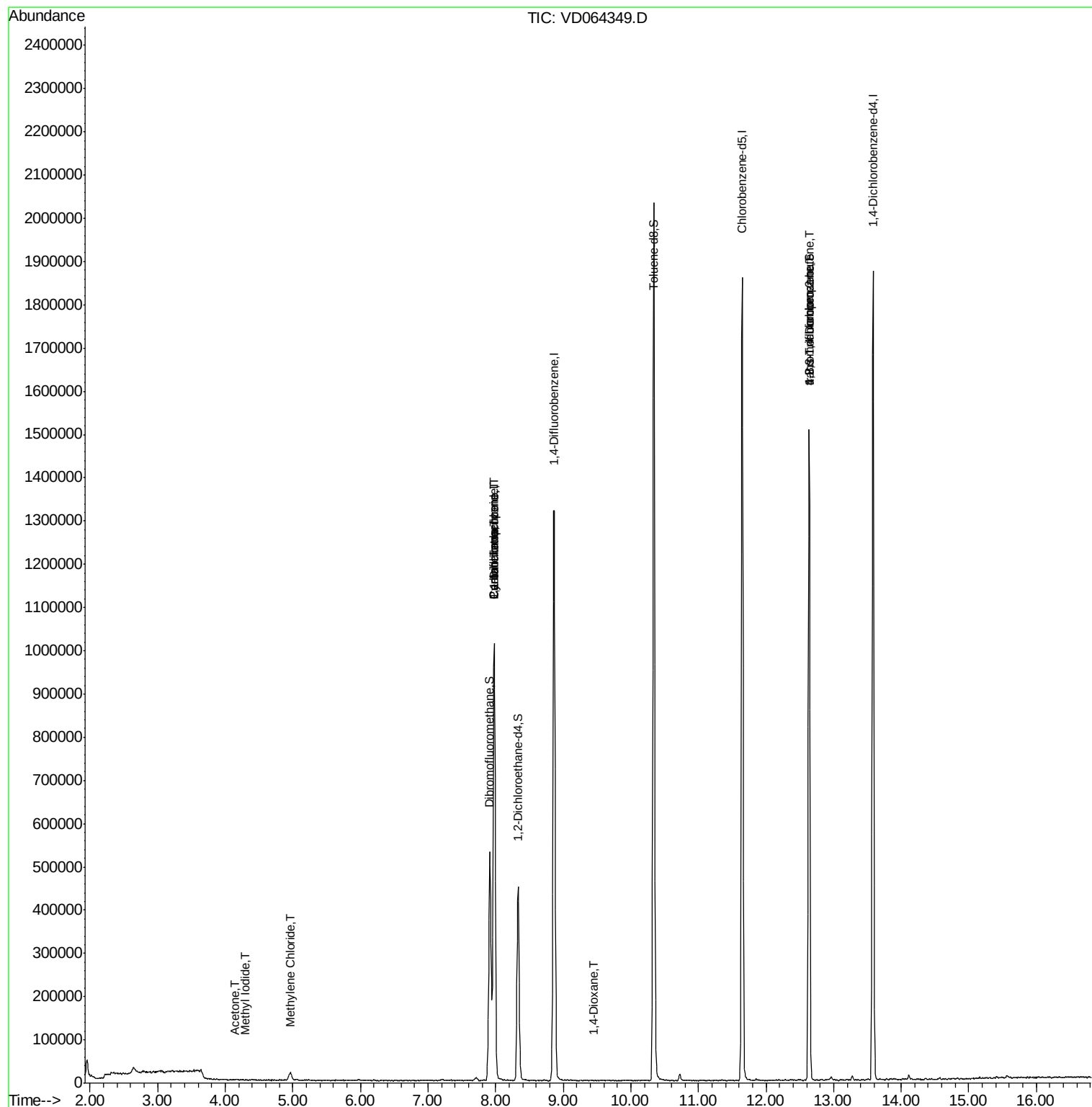
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	66	2.039	ug/l #	33
16) Acetone	4.16	43	1760	1.095	ug/l #	45
20) Methylene Chloride	4.96	84	13772	1.696	ug/l	94
31) Cyclohexane	7.98	56	15378	1.155	ug/l #	13
36) 1,1-Dichloropropene	7.98	75	55360	4.975	ug/l #	49
38) Carbon Tetrachloride	7.98	117	74508	6.258	ug/l #	16
49) 1,4-Dioxane	9.44	88	53	1.114	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	237918	56.627	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	237918	112.483	ug/l #	10

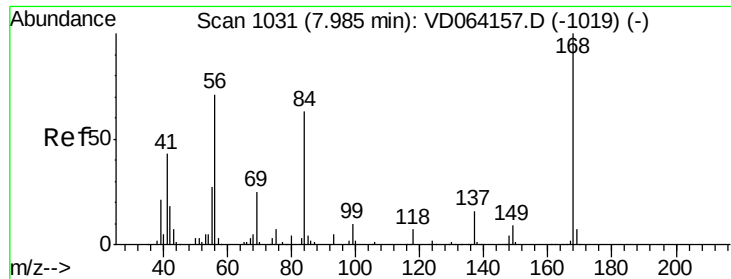
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. -0.01 min

Lab File: VD064349.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_D

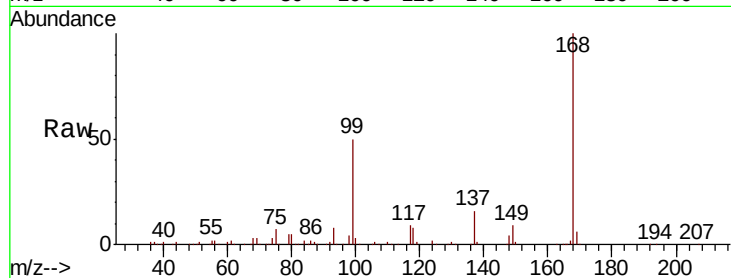
ClientSampled :

Tot Ion:168 Resp: 824909

Ion Ratio Lower Upper

168 100

99 49.8 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

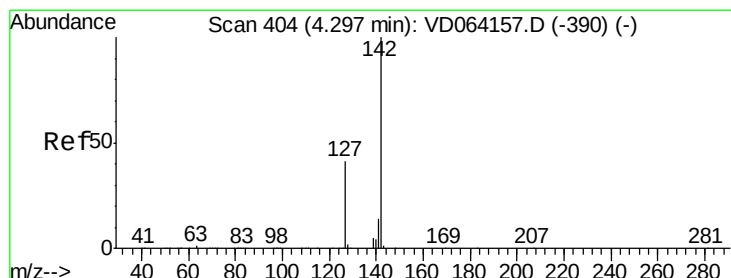
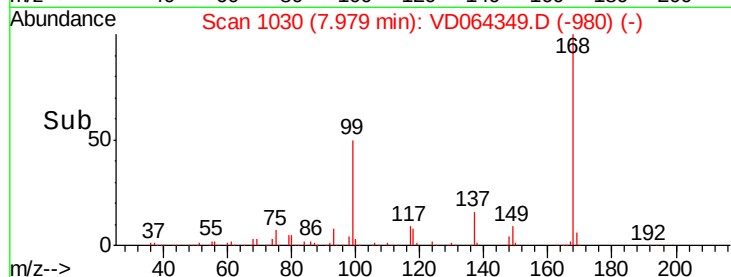
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 2.039 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064349.D

Acq: 22 Nov 2019 16:52

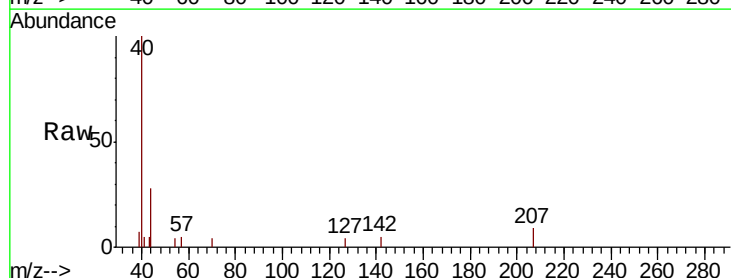
Tgt Ion:142 Resp: 66

Ion Ratio Lower Upper

142 100

127 92.4 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

250

200

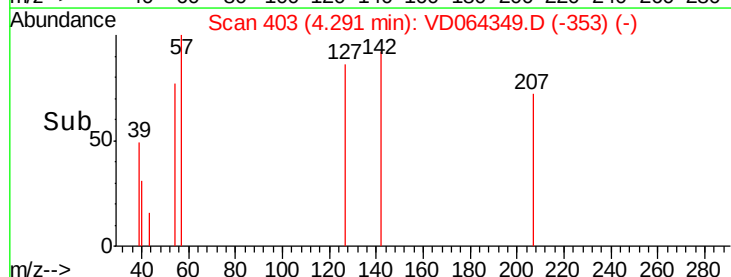
150

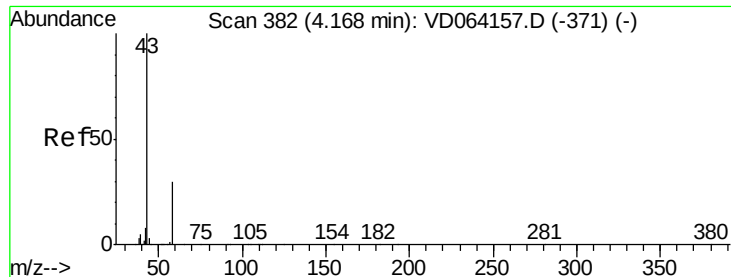
100

50

0

Time-->





#16

Acetone

Concen: 1.095 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.01 min

Lab File: VD064349.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_D

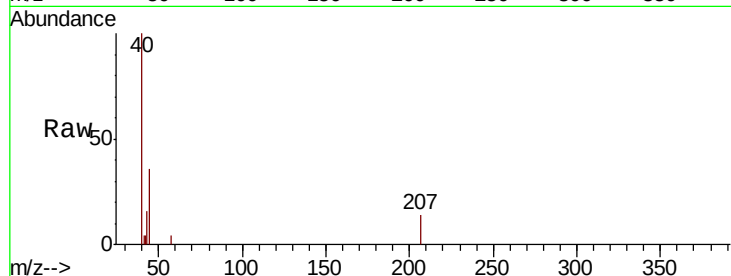
ClientSampleId :

Tot Ion: 43 Resp: 1760

Ion Ratio Lower Upper

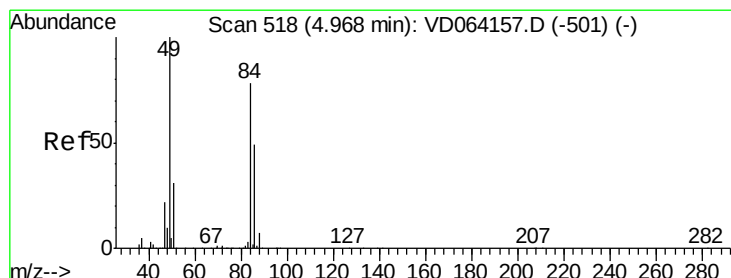
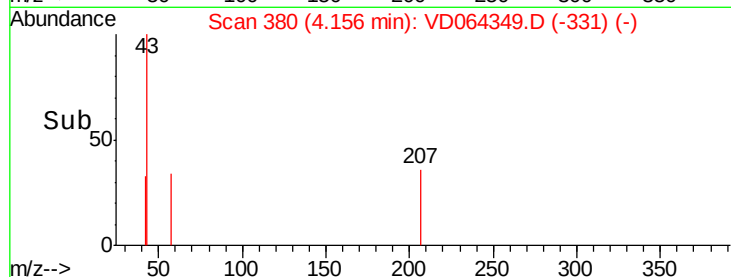
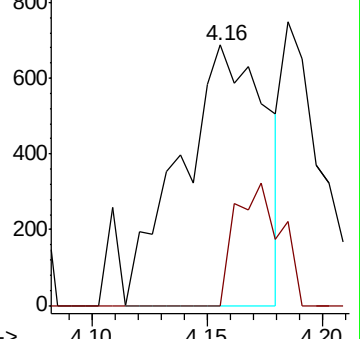
43 100

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: 1.696 ug/l

RT: 4.96 min Scan# 516

Delta R.T. -0.01 min

Lab File: VD064349.D

Acq: 22 Nov 2019 16:52

Tgt Ion: 84 Resp: 13772

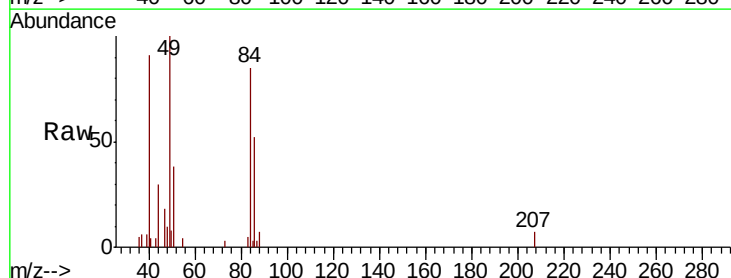
Ion Ratio Lower Upper

84 100

49 117.8 102.1 153.1

51 45.0 32.2 48.2

86 61.5 49.9 74.9

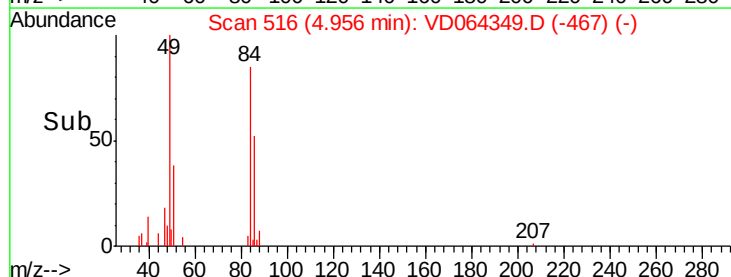
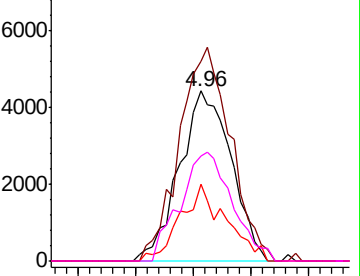


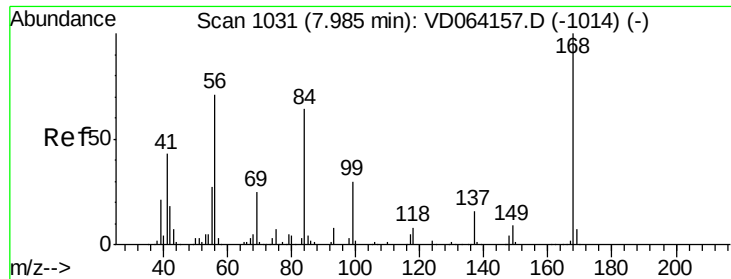
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

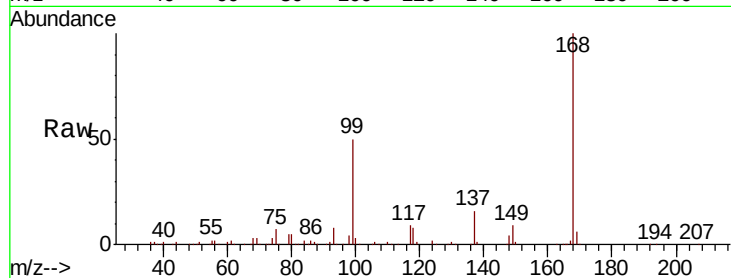




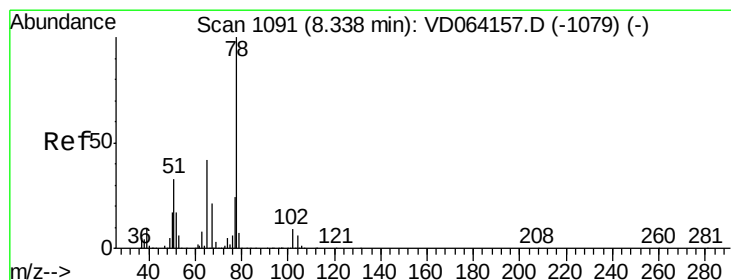
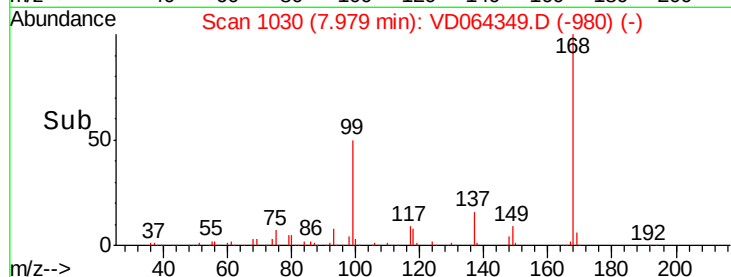
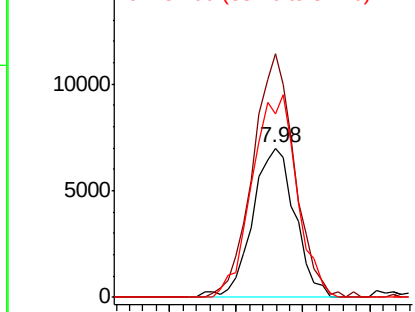
#31
Cyclohexane
Concen: 1.155 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064349.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 56 Resp: 15378
Ion Ratio Lower Upper
56 100
69 163.1 28.2 42.4#
84 122.7 71.8 107.6#

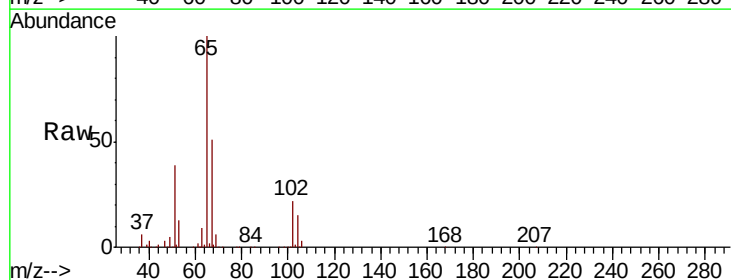


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

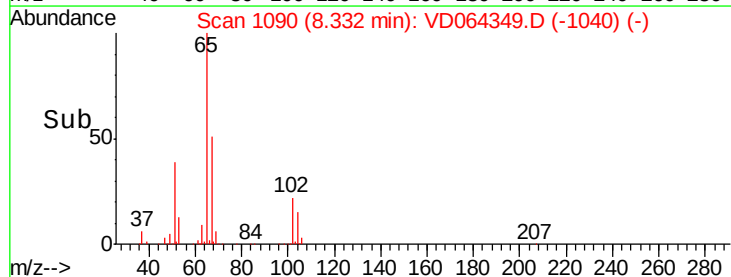
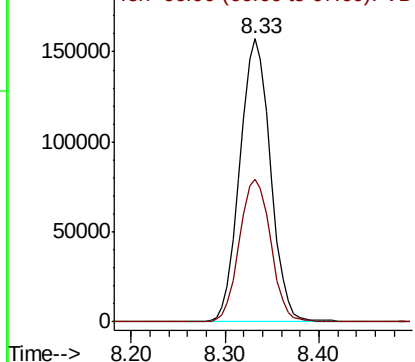


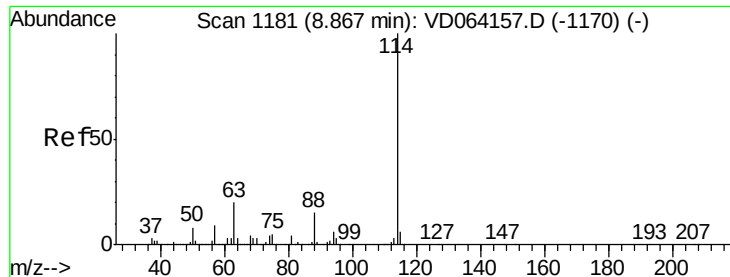
#33
1,2-Dichloroethane-d4
Concen: 52.390 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064349.D
Acq: 22 Nov 2019 16:52

Tgt Ion: 65 Resp: 355435
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.4



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

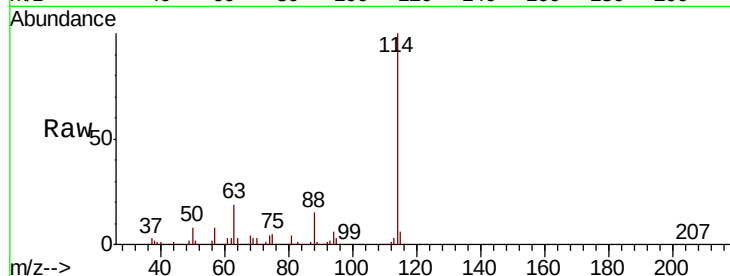




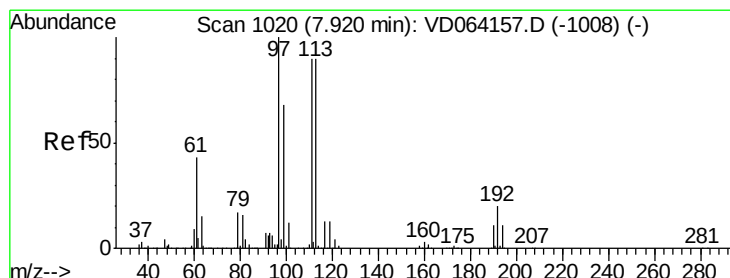
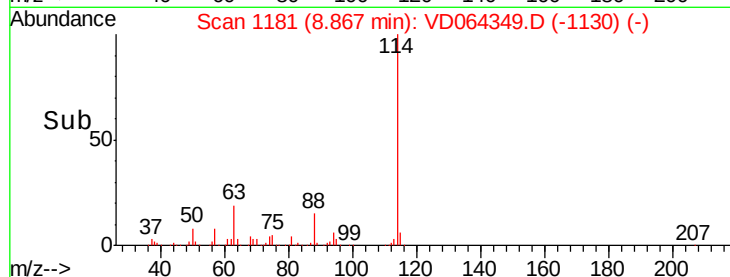
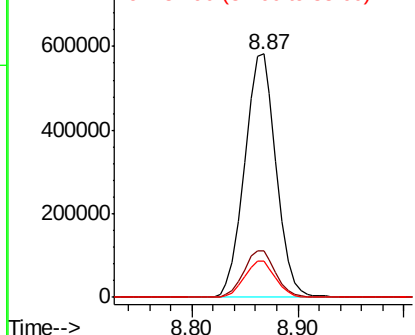
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064349.D
 Acq: 22 Nov 2019 16:52

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:114 Resp: 1205583
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 40.0
 88 14.7 0.0 30.2

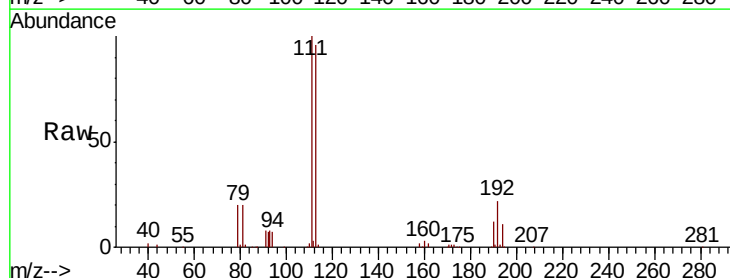


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

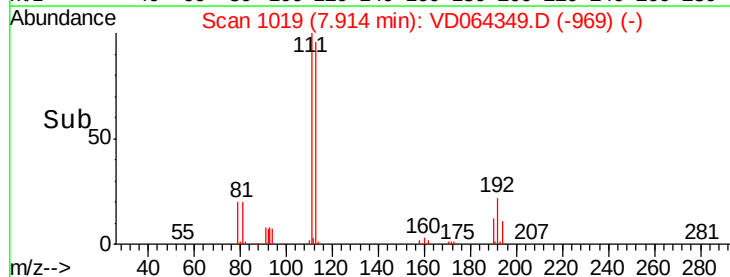
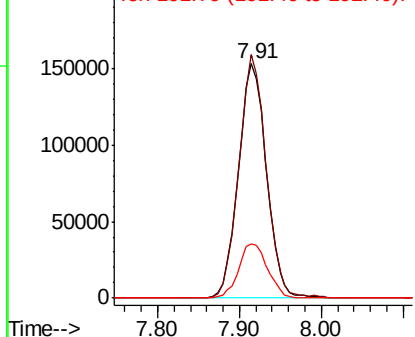


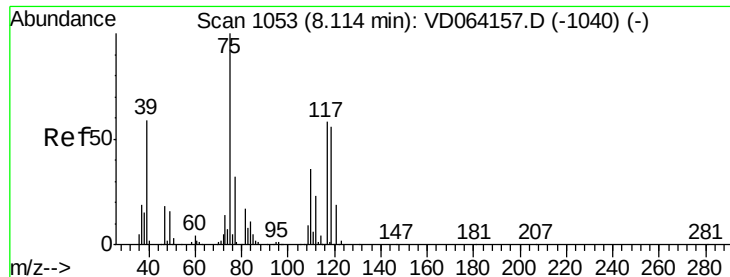
#35
 Dibromofluoromethane
 Concen: 52.860 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064349.D
 Acq: 22 Nov 2019 16:52

Tgt Ion:113 Resp: 365807
 Ion Ratio Lower Upper
 113 100
 111 101.5 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

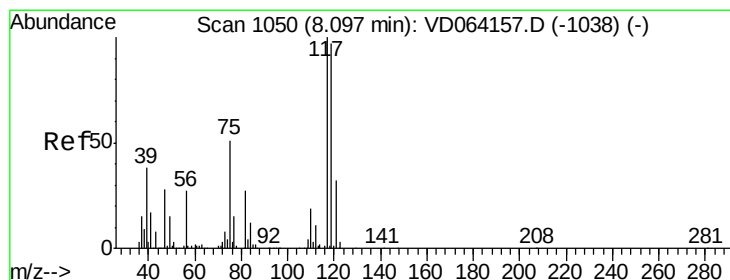
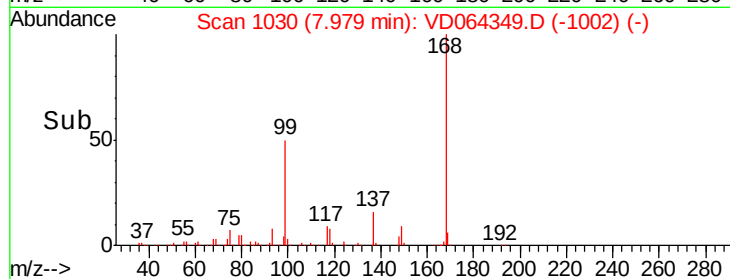
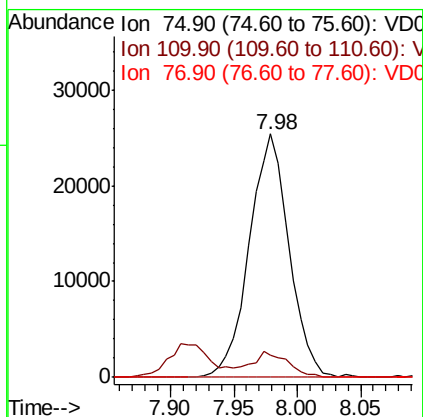
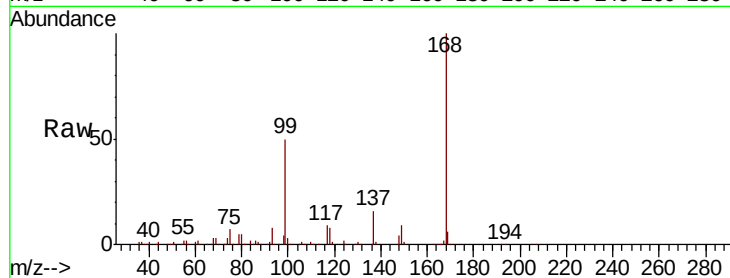




#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064349.D
 Acq: 22 Nov 2019 16:52

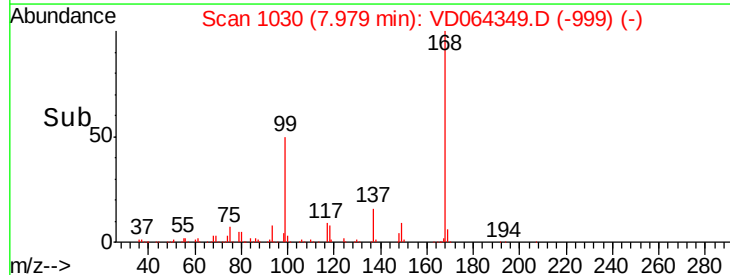
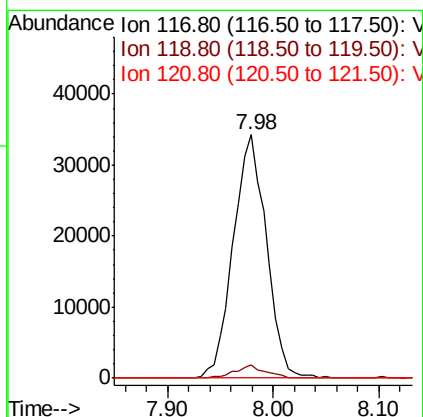
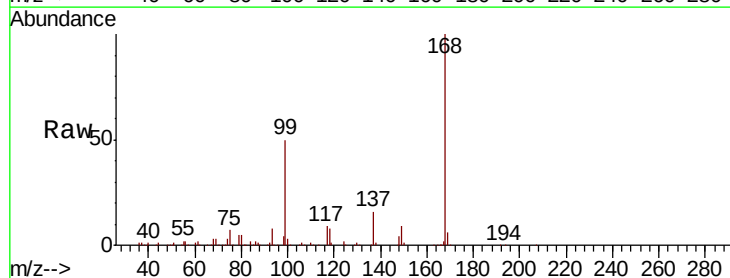
Instrument :
 MSVOA_D
 ClientSampleId :

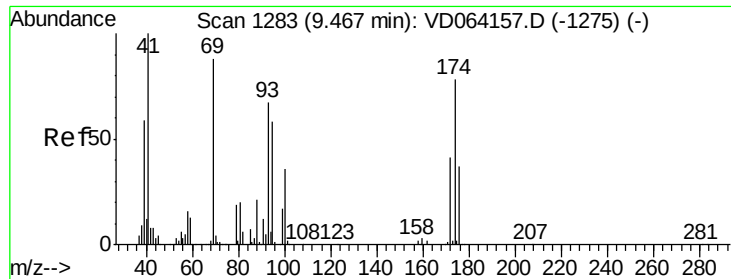
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.3	54.9#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.258 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064349.D
 Acq: 22 Nov 2019 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	77.2	115.8#
121	0.0	25.5	38.3#





#49

1,4-Dioxane

Concen: 1.114 ug/l

RT: 9.44 min Scan# 1279

Delta R.T. -0.02 min

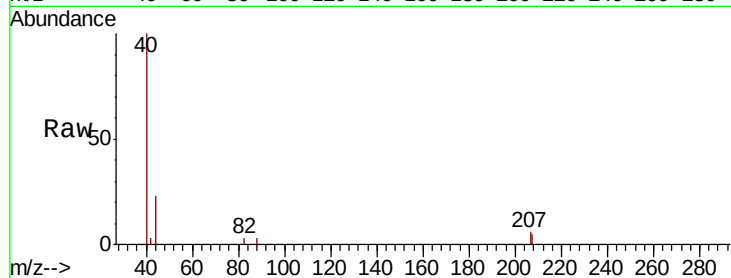
Lab File: VD064349.D

Acq: 22 Nov 2019 16:52

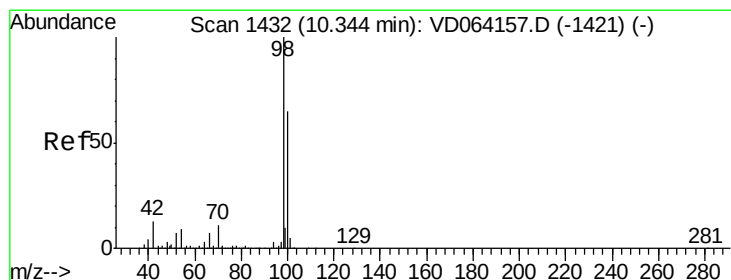
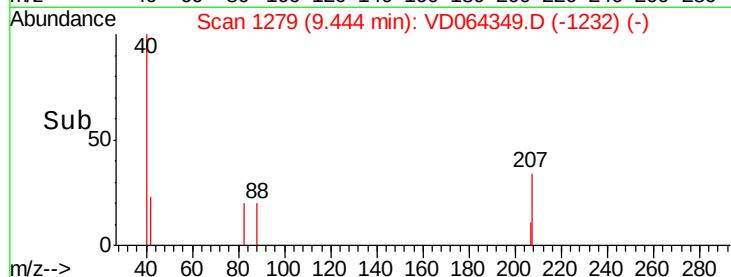
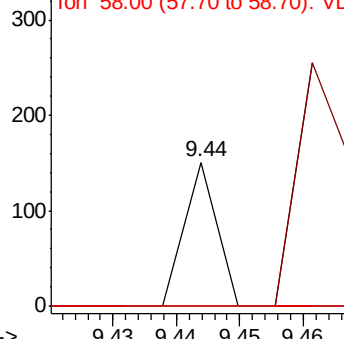
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 53

Ion	Ratio	Lower	Upper
88	100		
43	271.7	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: 53.923 ug/l

RT: 10.34 min Scan# 1431

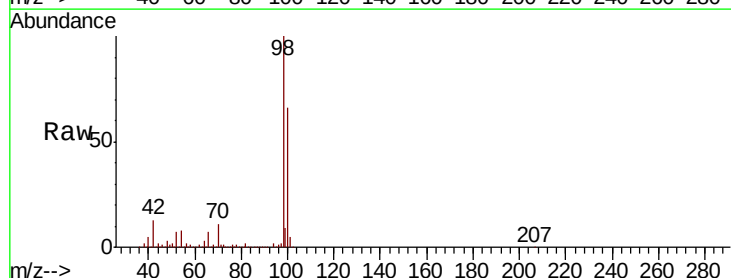
Delta R.T. -0.01 min

Lab File: VD064349.D

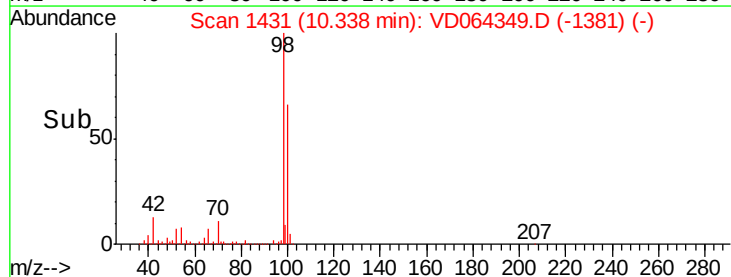
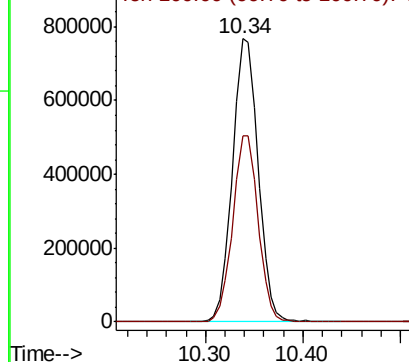
Acq: 22 Nov 2019 16:52

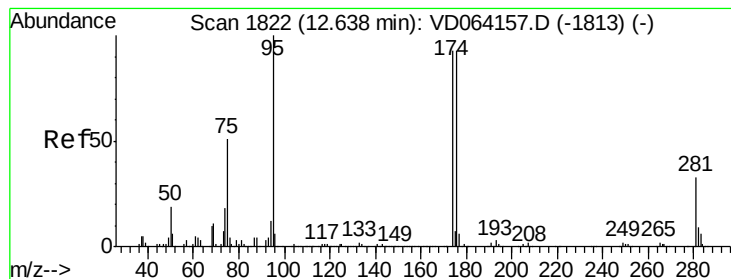
Tgt Ion: 98 Resp: 1407726

Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.6	78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#62

4-Bromofluorobenzene

Concen: 50.354 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064349.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_D

ClientSampleId :

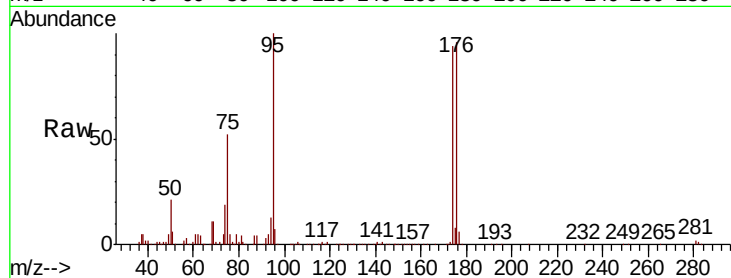
Tot Ion: 95 Resp: 455238

Ion Ratio Lower Upper

95 100

174 95.5 0.0 183.6

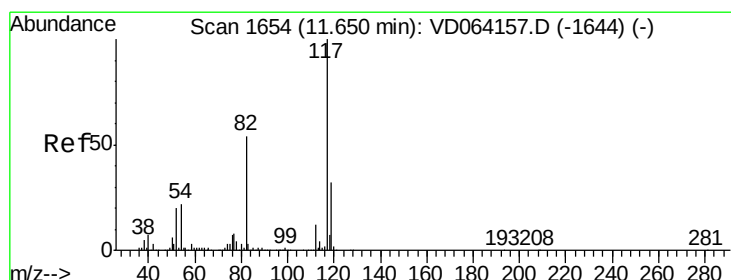
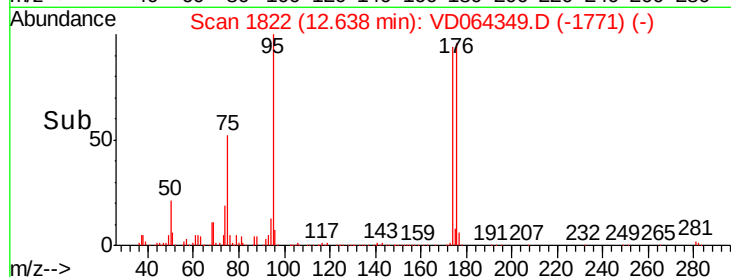
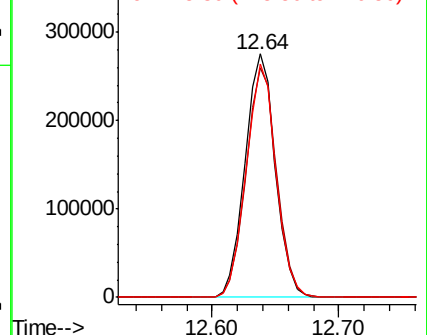
176 94.6 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD064349.D

Acq: 22 Nov 2019 16:52

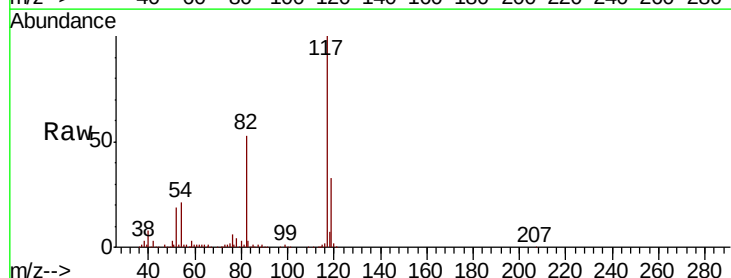
Tgt Ion: 117 Resp: 1071385

Ion Ratio Lower Upper

117 100

82 52.7 42.8 64.2

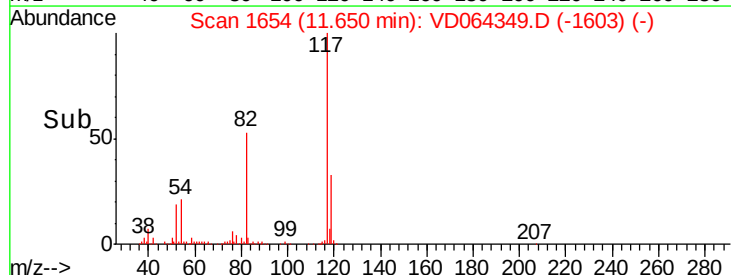
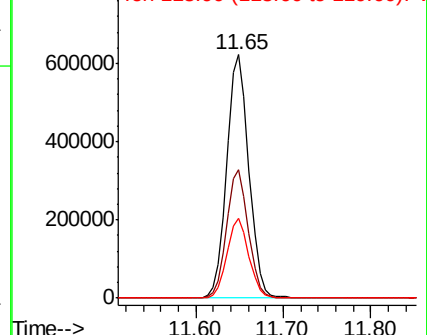
119 33.0 25.6 38.4

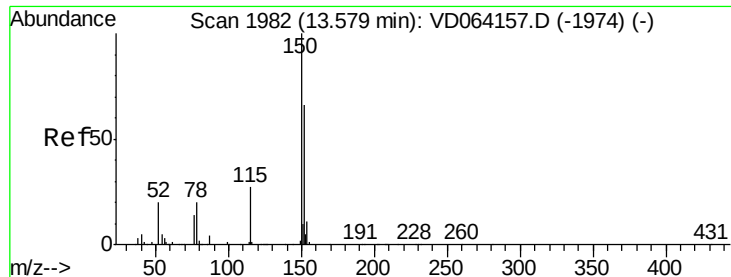


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



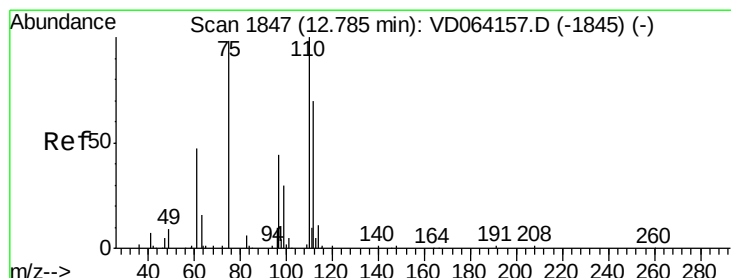
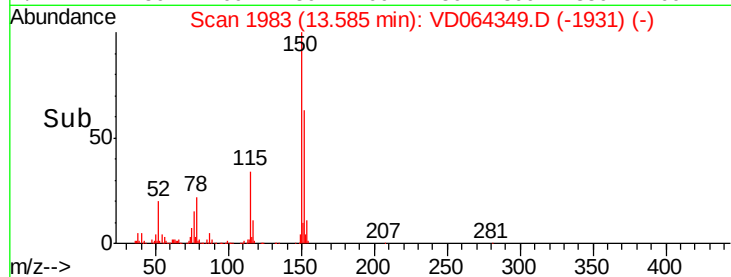
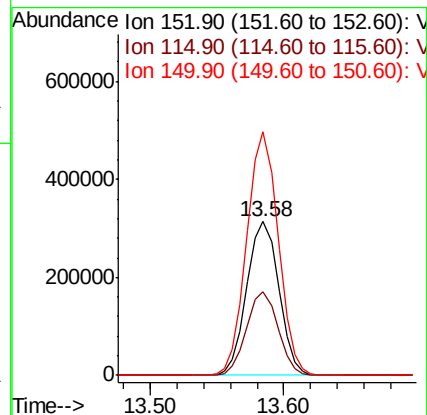
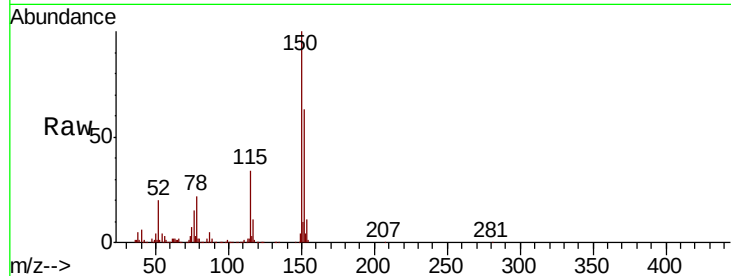


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064349.D
Acq: 22 Nov 2019 16:52

Instrument :
MSVOA_D
ClientSampleId :

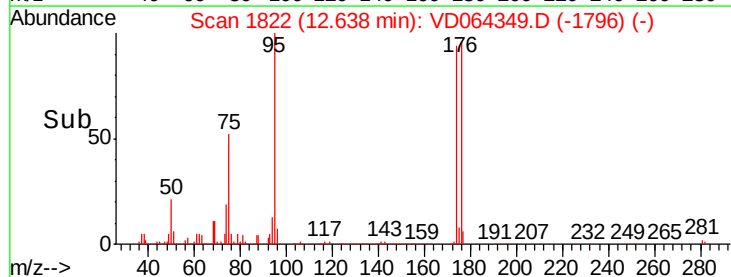
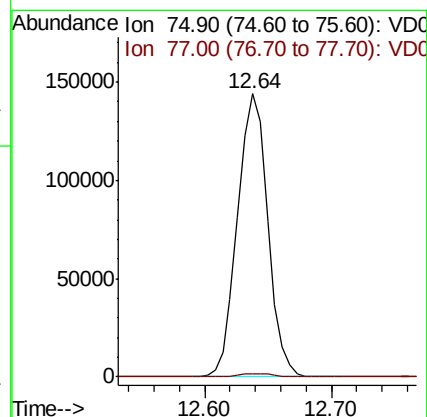
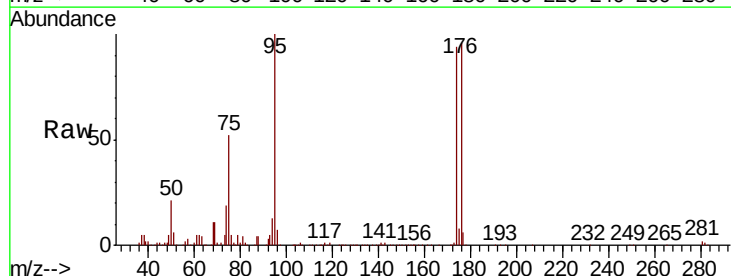
Tot Ion:152 Resp: 521624
Ion Ratio Lower Upper
152 100
115 53.5 27.4 82.2
150 155.3 0.0 351.6

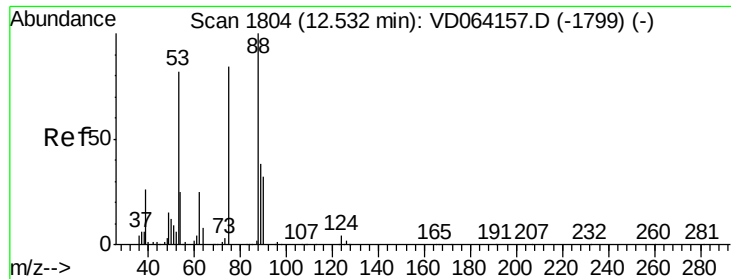


#76

1,2,3-Trichloropropane
Concen: 56.627 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.15 min
Lab File: VD064349.D
Acq: 22 Nov 2019 16:52

Tgt Ion: 75 Resp: 237918
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 112.483 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064349.D

Acq: 22 Nov 2019 16:52

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 75 Resp: 237918

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.0 36.6 55.0#

