

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064328.D
 Acq On : 21 Nov 2019 16:56
 Operator : VA/SY
 Sample : K5933-10
 Misc : 11.96G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:43:03 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	939904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1339671	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1176996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	574826	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	381252	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
35) Dibromofluoromethane	7.92	113	402372	52.32	ug/l	0.00
Spiked Amount			Recovery	=	104.64%	
50) Toluene-d8	10.34	98	1543859	53.22	ug/l	0.00
Spiked Amount			Recovery	=	106.44%	
62) 4-Bromofluorobenzene	12.64	95	500645	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	

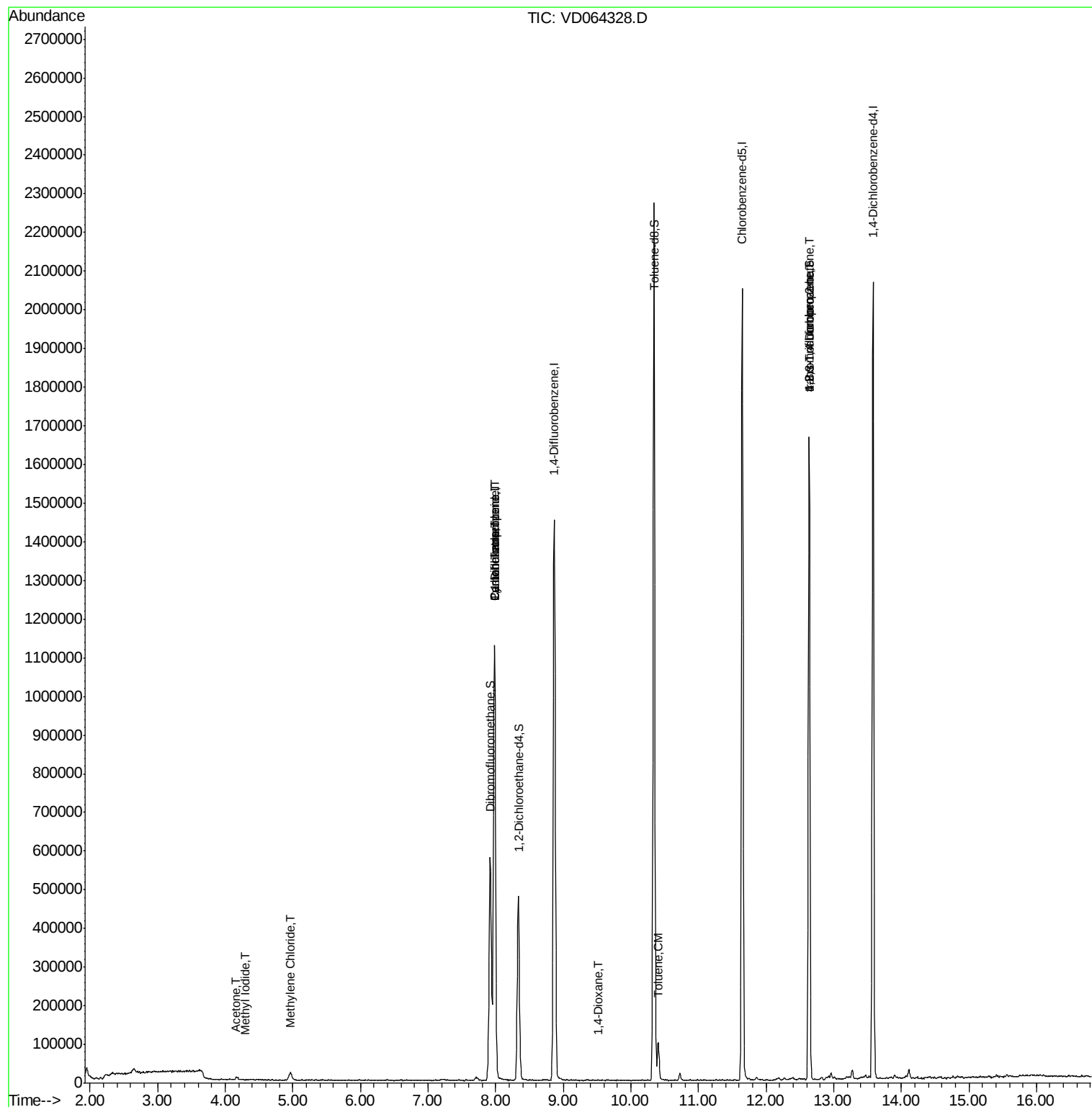
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	168	2.048	ug/l #	41
16) Acetone	4.17	43	11677	6.376	ug/l	94
20) Methylene Chloride	4.97	84	14378	1.554	ug/l #	83
31) Cyclohexane	7.98	56	16767	1.105	ug/l #	7
36) 1,1-Dichloropropene	7.98	75	61426	4.968	ug/l #	49
38) Carbon Tetrachloride	7.98	117	83360	6.301	ug/l #	14
49) 1,4-Dioxane	9.51	88	73	1.380	ug/l #	1
52) Toluene	10.41	92	38476	1.732	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	262481	56.691	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	262481	112.610	ug/l #	10

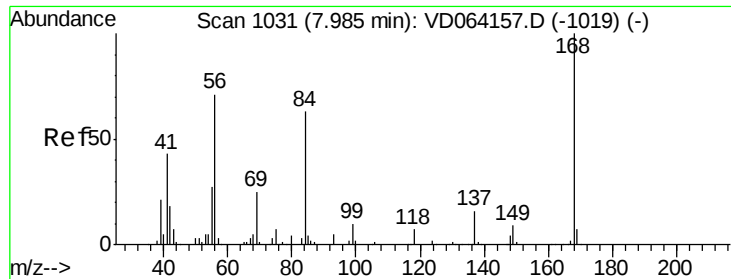
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112119\
Data File : VD064328.D
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Misc : 11.96G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Nov 22 00:43:03 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: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

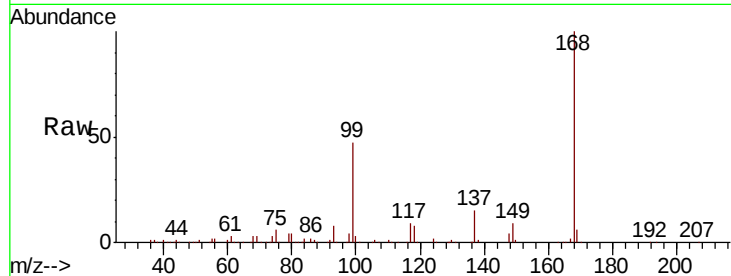
Instrument :
MSVOA_D
ClientSampled :

Tot Ion:168 Resp: 939904

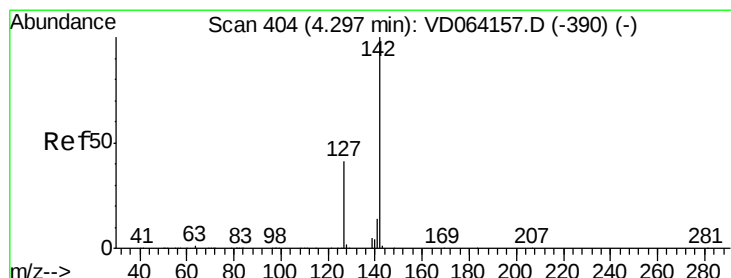
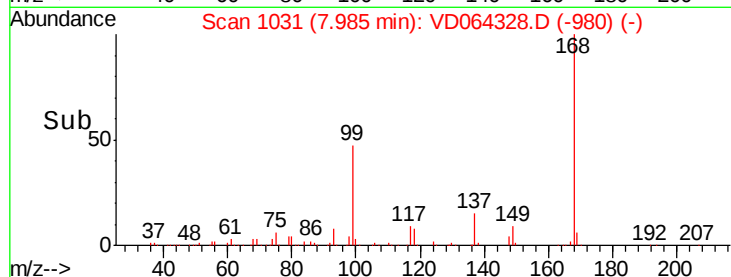
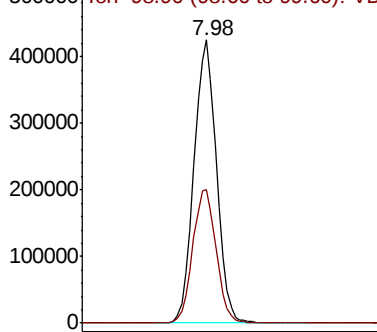
Ion Ratio Lower Upper

168 100

99 47.0 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 2.048 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

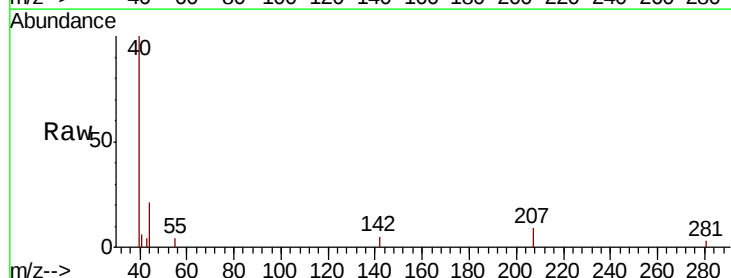
Tgt Ion:142 Resp: 168

Ion Ratio Lower Upper

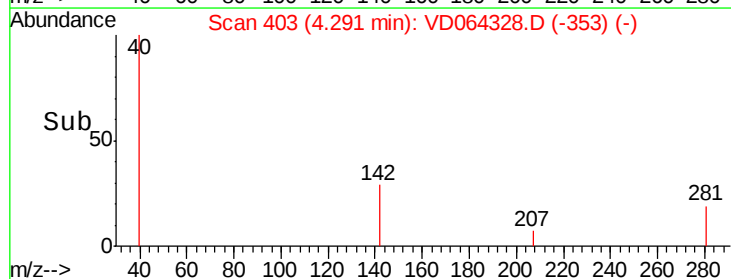
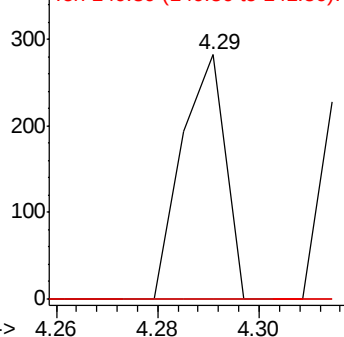
142 100

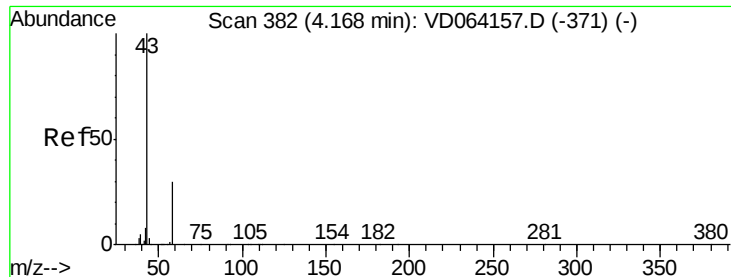
127 0.0 34.4 51.6#

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





#16

Acetone

Concen: 6.376 ug/l

RT: 4.17 min Scan# 382

Delta R.T. -0.00 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

Instrument :

MSVOA_D

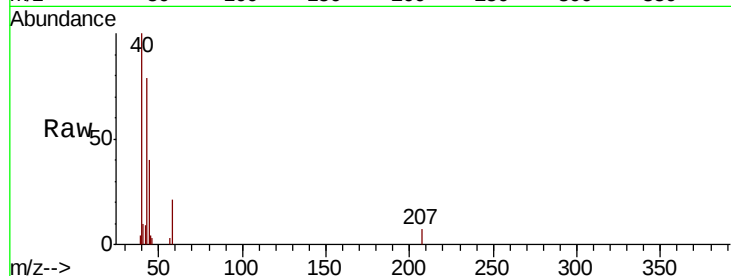
ClientSampleId :

Tot Ion: 43 Resp: 11677

Ion Ratio Lower Upper

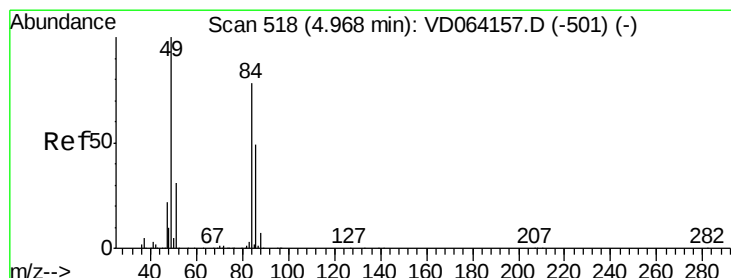
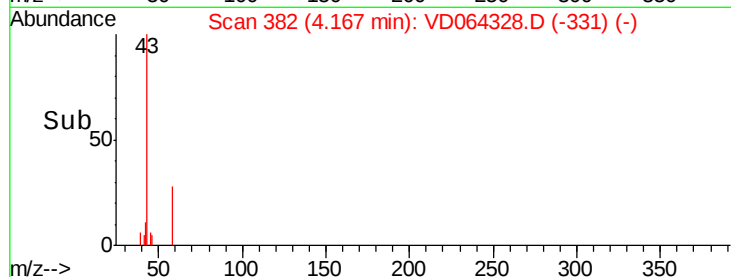
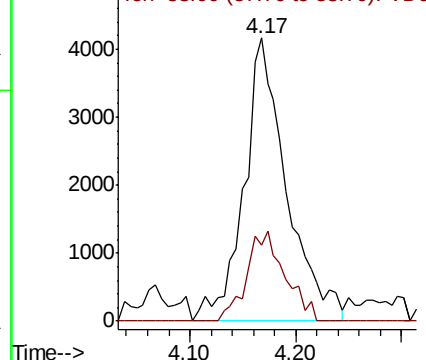
43 100

58 27.0 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: 1.554 ug/l

RT: 4.97 min Scan# 518

Delta R.T. -0.00 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

Tgt Ion: 84 Resp: 14378

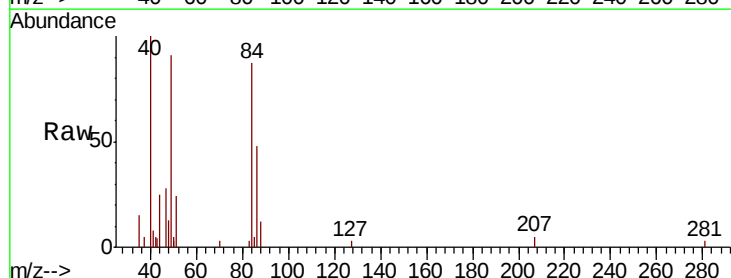
Ion Ratio Lower Upper

84 100

49 104.9 102.1 153.1

51 27.7 32.2 48.2#

86 55.1 49.9 74.9

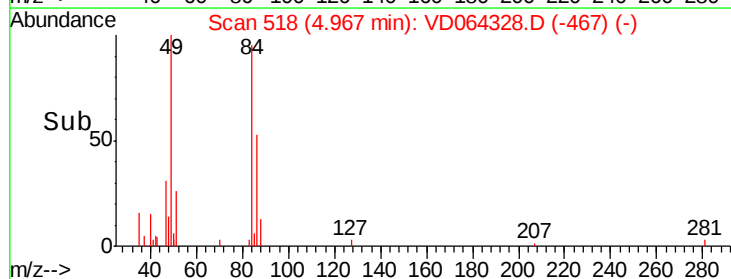
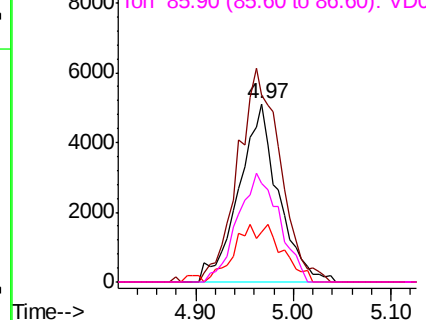


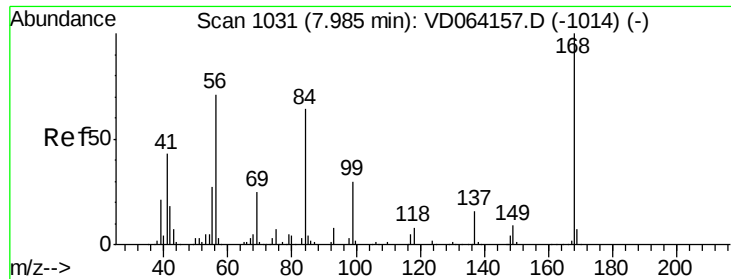
Abundance Ion 83.90 (83.60 to 84.60): VDC

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

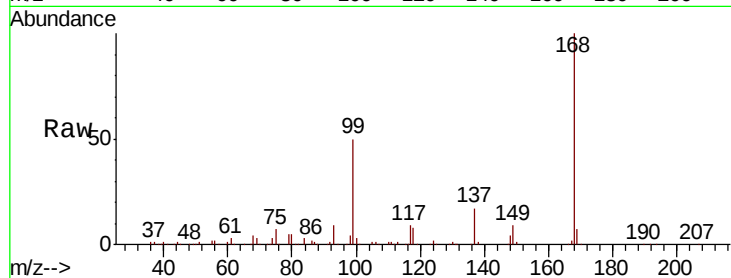




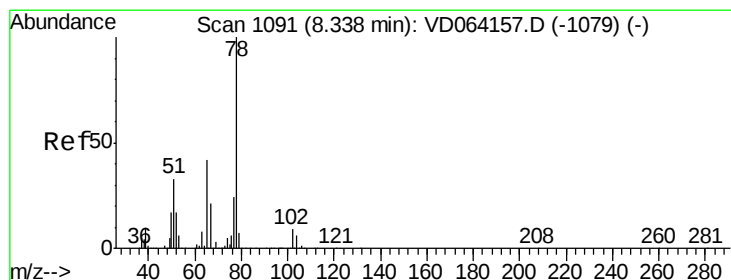
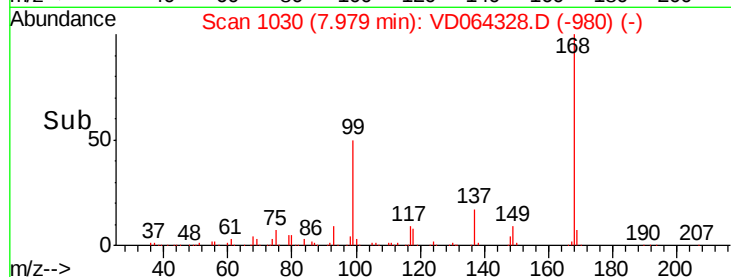
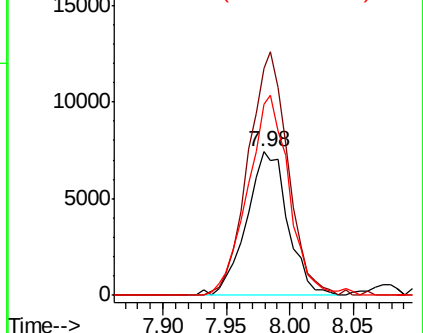
#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064328.D
Acq: 21 Nov 2019 16:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 16767
Ion Ratio Lower Upper
56 100
69 158.0 28.2 42.4#
84 133.6 71.8 107.6#

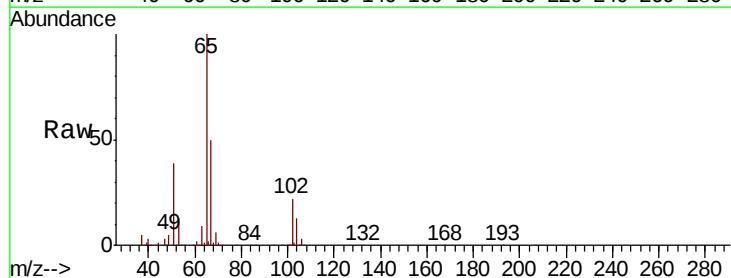


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

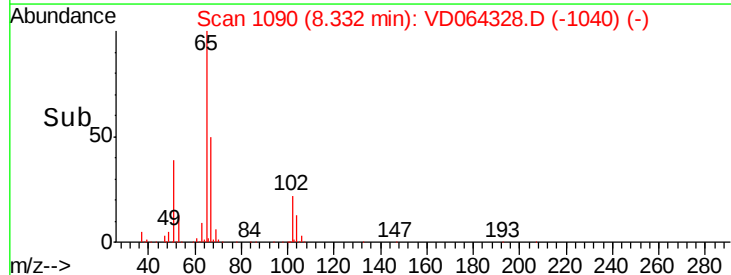
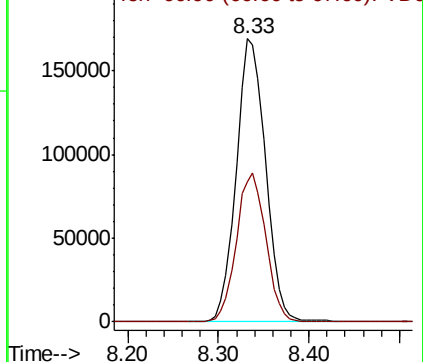


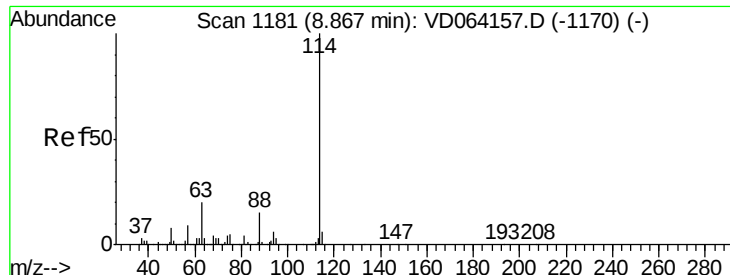
#33
1,2-Dichloroethane-d4
Concen: 49.320 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VD064328.D
Acq: 21 Nov 2019 16:56

Tgt Ion: 65 Resp: 381252
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.4



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

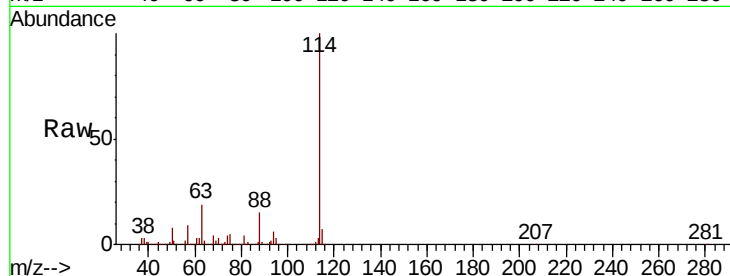




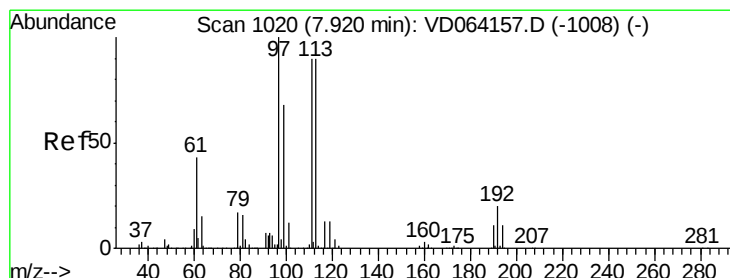
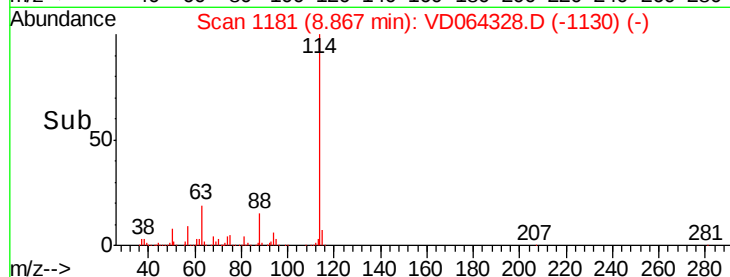
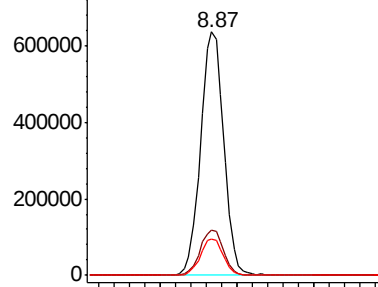
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD064328.D
Acq: 21 Nov 2019 16:56

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:114 Resp: 1339671
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.0
88 14.8 0.0 30.2

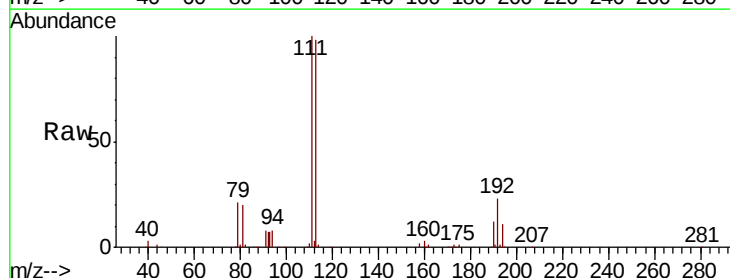


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

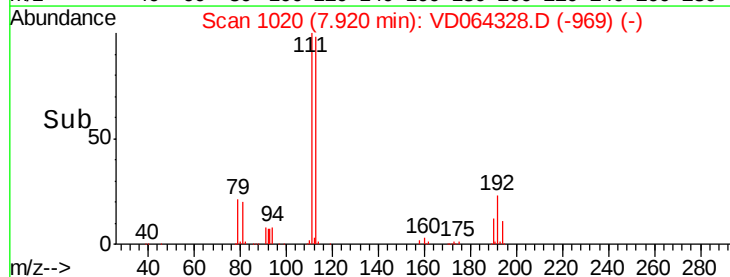
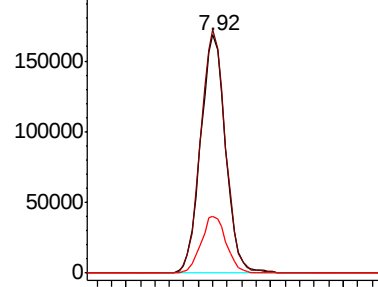


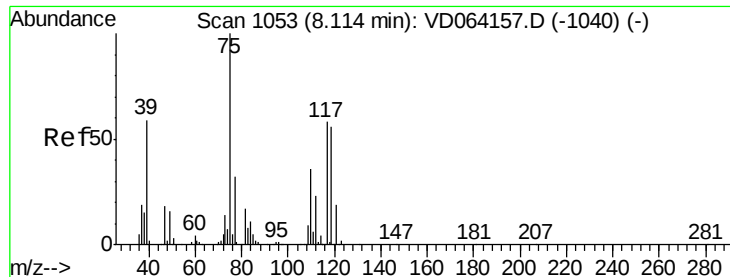
#35
Dibromofluoromethane
Concen: 52.325 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064328.D
Acq: 21 Nov 2019 16:56

Tgt Ion:113 Resp: 402372
Ion Ratio Lower Upper
113 100
111 101.7 81.5 122.3
192 24.1 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: 4.968 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

Instrument :

MSVOA_D

ClientSampleId :

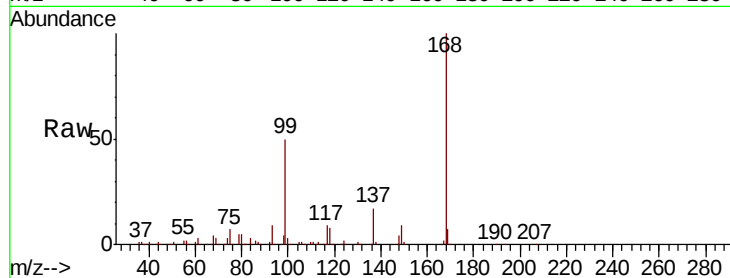
Tot Ion: 75 Resp: 61426

Ion Ratio Lower Upper

75 100

110 8.7 18.3 54.9#

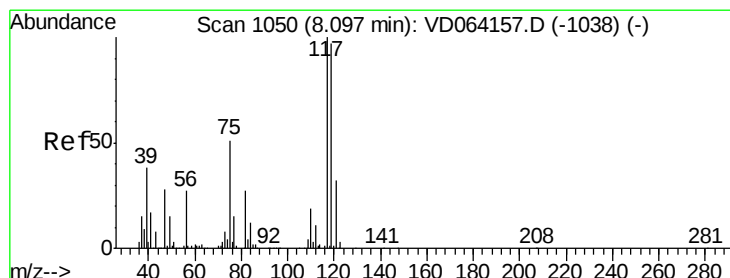
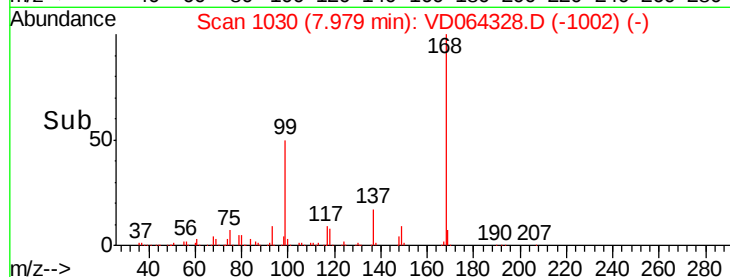
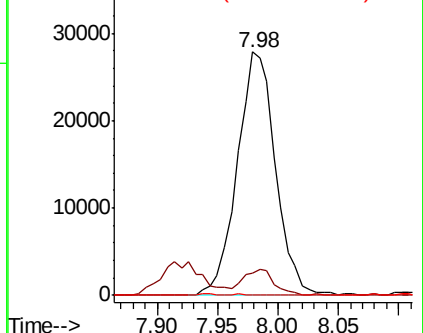
77 0.1 25.0 37.6#



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: 6.301 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

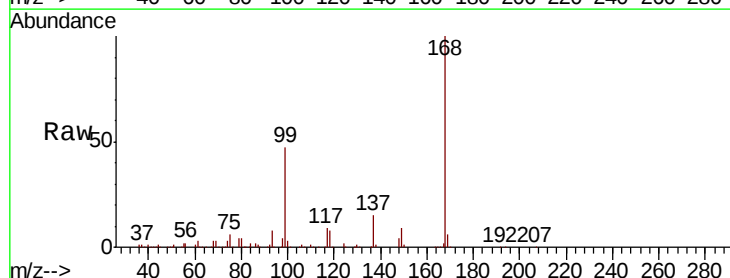
Tgt Ion: 117 Resp: 83360

Ion Ratio Lower Upper

117 100

119 2.6 77.2 115.8#

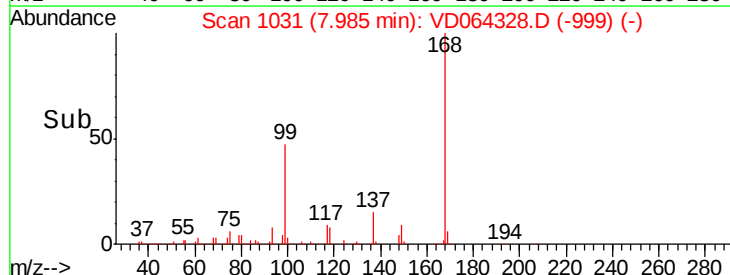
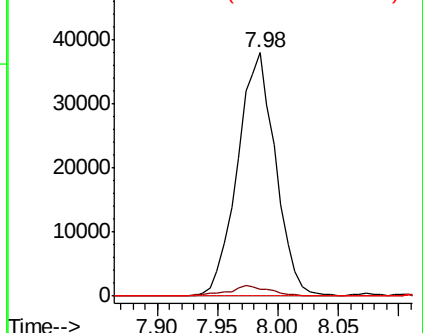
121 0.0 25.5 38.3#

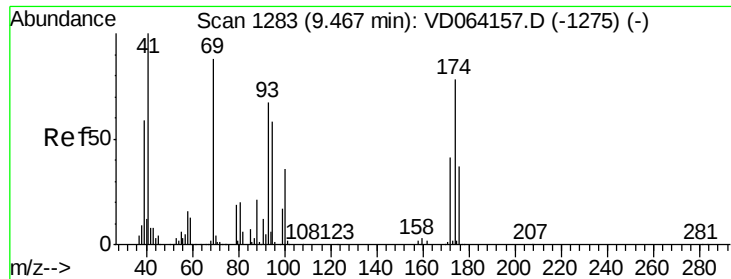


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

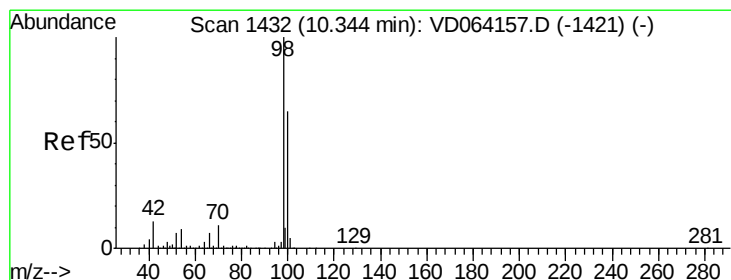
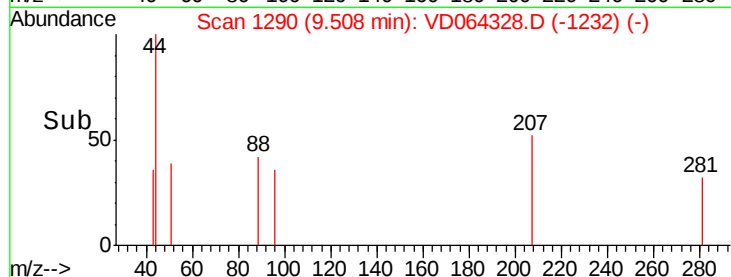
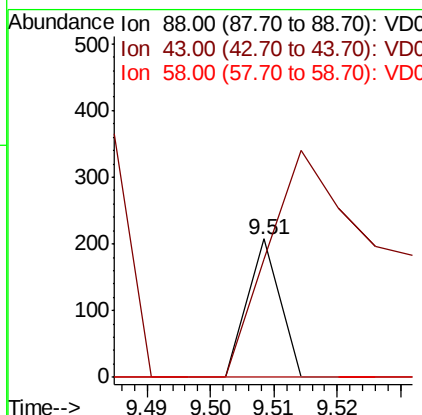
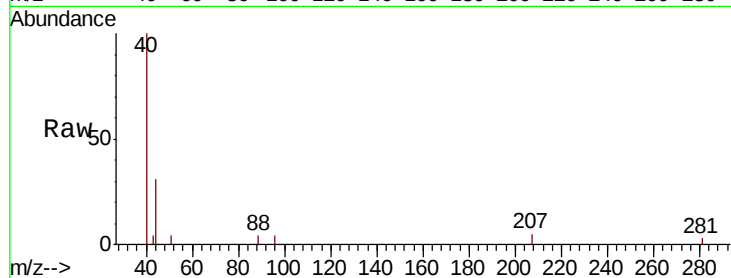




#49
1,4-Dioxane
Concen: 1.380 ug/l
RT: 9.51 min Scan# 1290
Delta R.T. 0.04 min
Lab File: VD064328.D
Acq: 21 Nov 2019 16:56

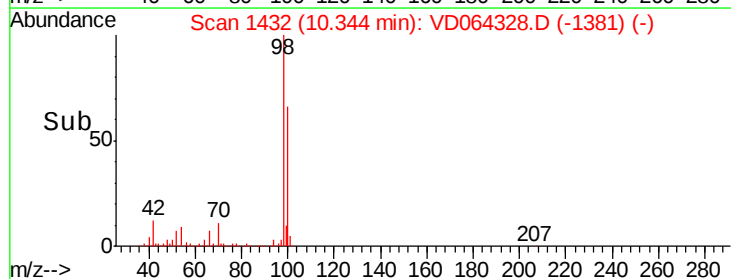
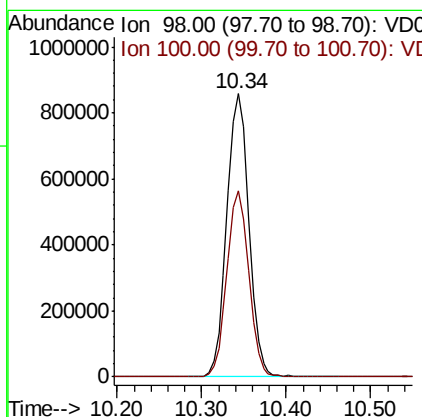
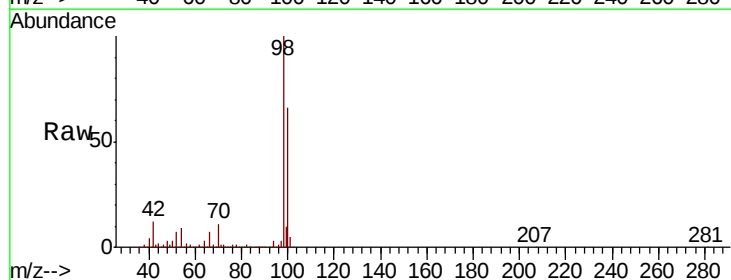
Instrument :
MSVOA_D
ClientSampled :

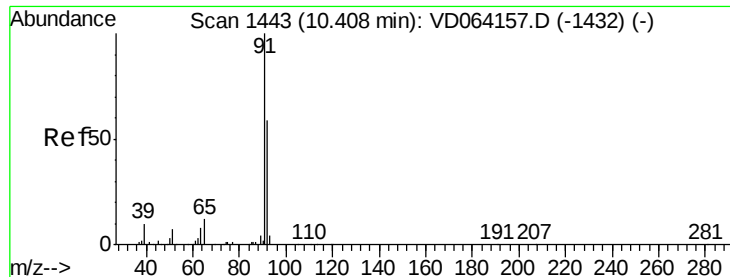
Tot Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 556.2 29.8 44.8#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 53.219 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064328.D
Acq: 21 Nov 2019 16:56

Tgt Ion: 98 Resp: 1543859
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8





#52

Toluene

Concen: 1.732 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

Instrument :

MSVOA_D

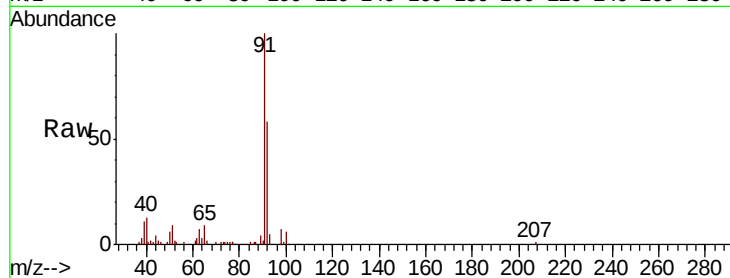
ClientSampleId :

Tot Ion: 92 Resp: 38476

Ion Ratio Lower Upper

92 100

91 171.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

40000

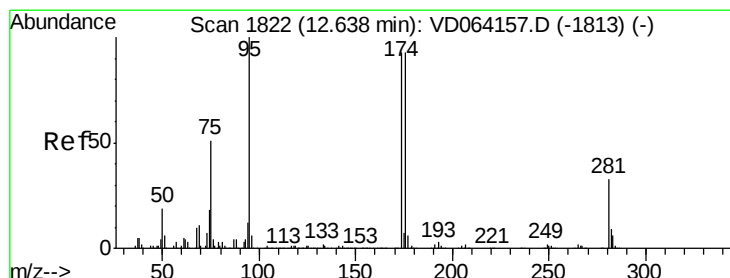
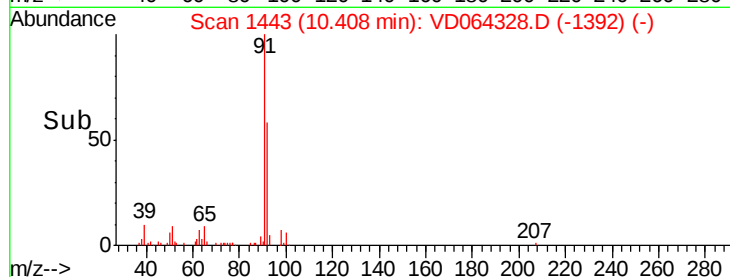
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.834 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

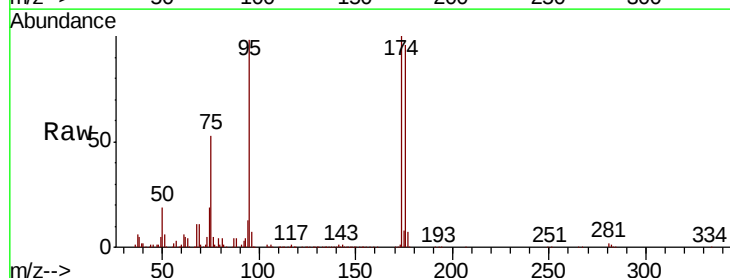
Tgt Ion: 95 Resp: 500645

Ion Ratio Lower Upper

95 100

174 98.3 0.0 183.6

176 96.4 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

400000

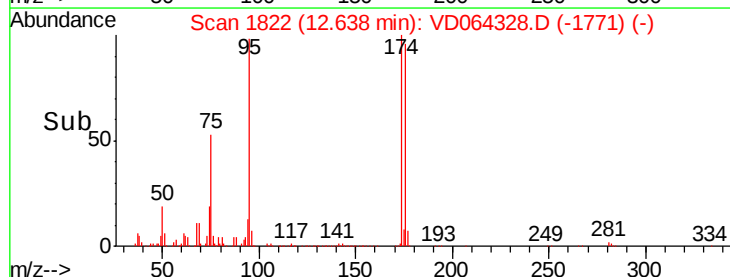
300000

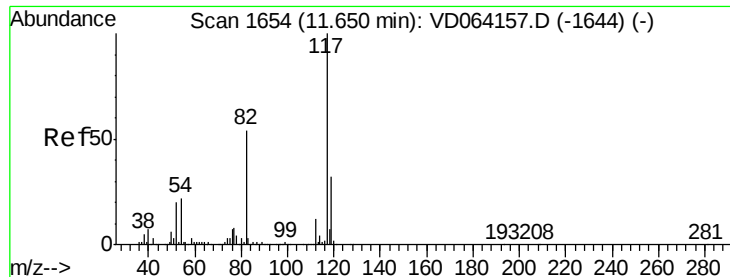
200000

100000

0

Time-->

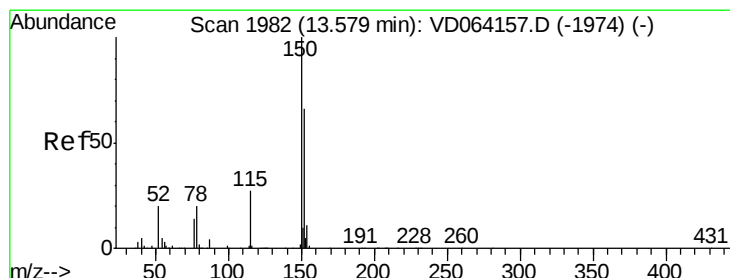
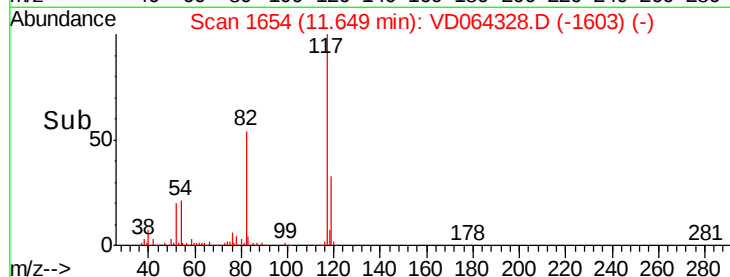
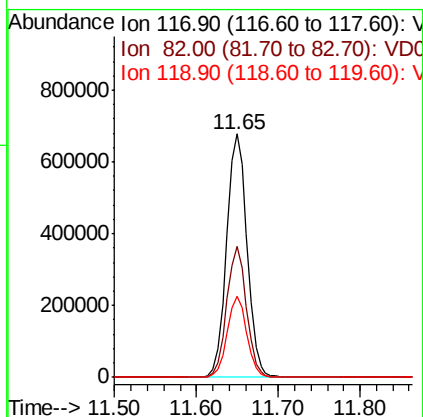
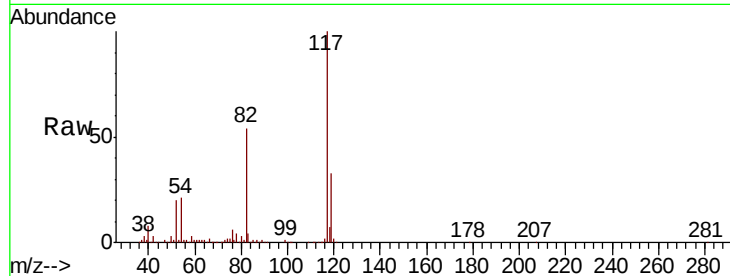




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064328.D
Acq: 21 Nov 2019 16:56

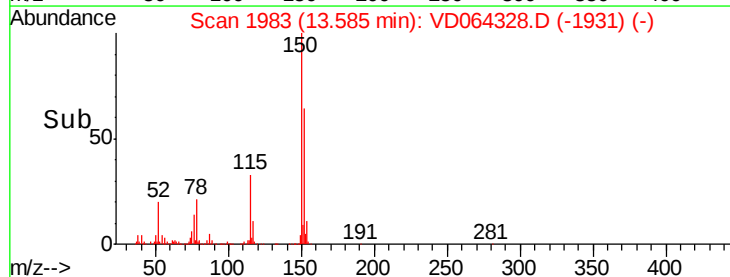
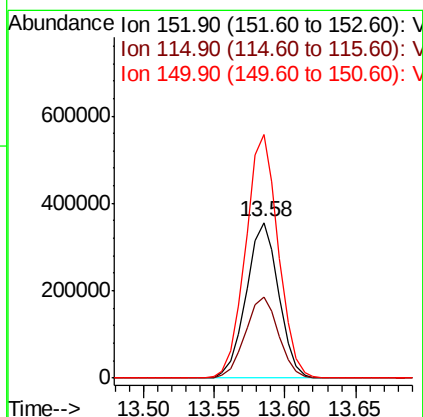
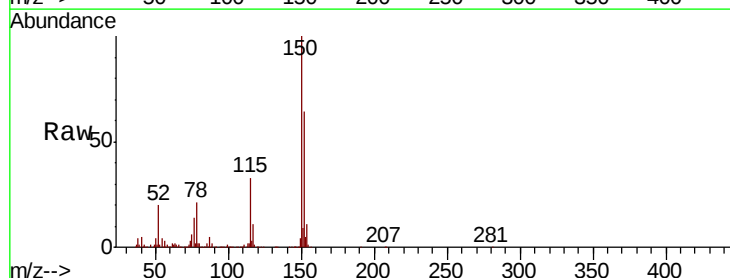
Instrument :
MSVOA_D
ClientSampled :

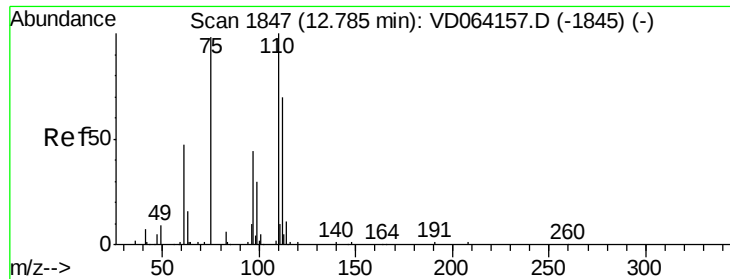
Tot Ion:117 Resp: 1176996
Ion Ratio Lower Upper
117 100
82 53.7 42.8 64.2
119 33.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064328.D
Acq: 21 Nov 2019 16:56

Tgt Ion:152 Resp: 574826
Ion Ratio Lower Upper
152 100
115 53.5 27.4 82.2
150 157.2 0.0 351.6





#76

1,2,3-Trichloropropane

Concen: 56.691 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

Instrument :

MSVOA_D

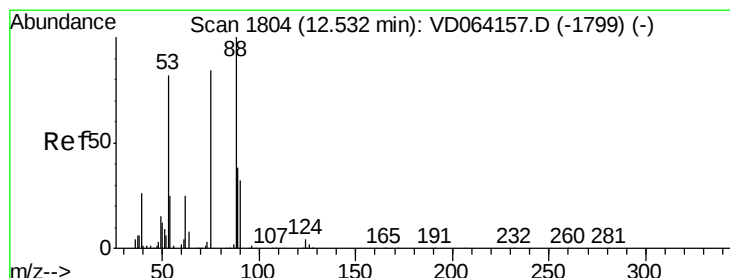
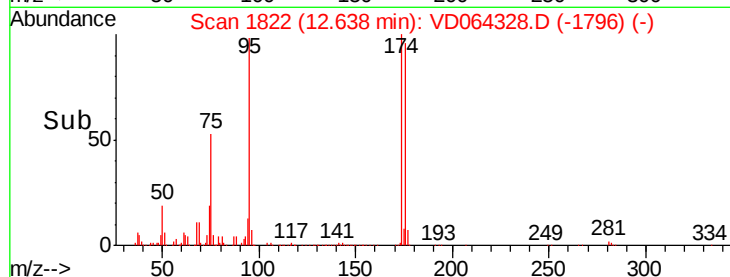
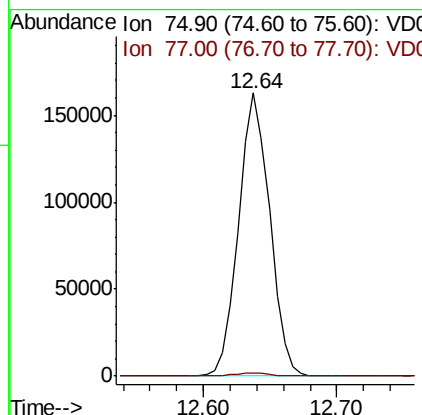
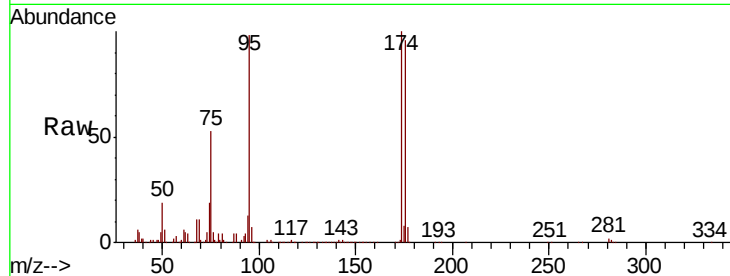
ClientSampleId :

Tot Ion: 75 Resp: 262481

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 112.610 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064328.D

Acq: 21 Nov 2019 16:56

Tgt Ion: 75 Resp: 262481

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

89 0.1 36.6 55.0#

