

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064332.D
 Acq On : 21 Nov 2019 18:51
 Operator : VA/SY
 Sample : K5670-09
 Misc : 6.32G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 22 00:43:41 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	917896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1319220	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1146826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	535651	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	387392	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
35) Dibromofluoromethane	7.92	113	400889	52.94	ug/l	0.00
Spiked Amount			Recovery	=	105.88%	
50) Toluene-d8	10.34	98	1518700	53.16	ug/l	0.00
Spiked Amount			Recovery	=	106.32%	
62) 4-Bromofluorobenzene	12.64	95	486449	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	

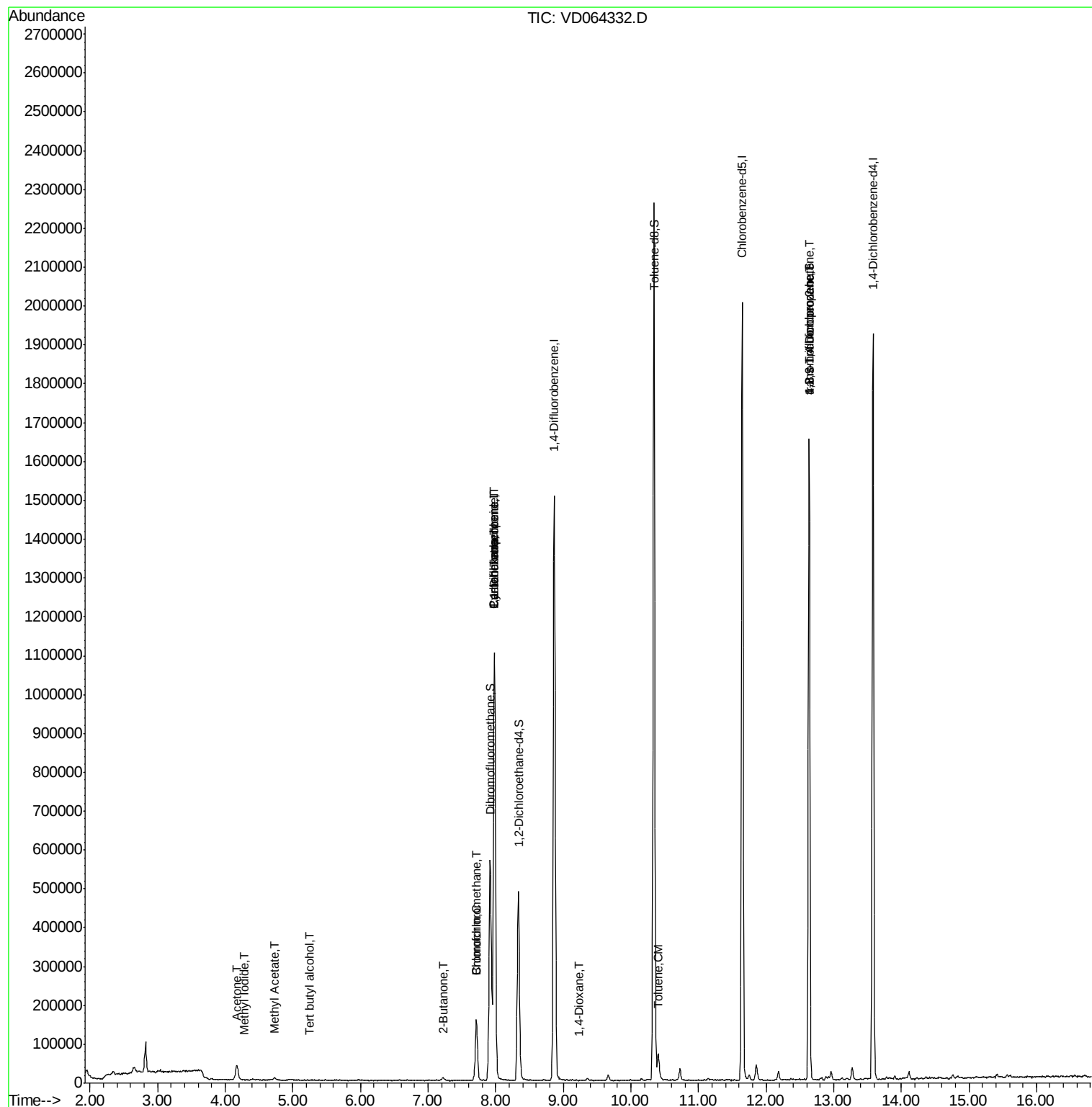
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.29	142	274	2.060	ug/l #	67
11) Tert butyl alcohol	5.25	59	1055	2.001	ug/l #	84
16) Acetone	4.17	43	70255	39.284	ug/l	99
18) Methyl Acetate	4.73	43	11707	2.344	ug/l	93
25) 2-Butanone	7.23	43	3909	1.692	ug/l #	84
28) Bromochloromethane	7.71	49	11137	2.177	ug/l #	10
30) Chloroform	7.72	83	143090	9.522	ug/l	94
31) Cyclohexane	7.97	56	18814	1.270	ug/l #	21
36) 1,1-Dichloropropene	7.98	75	59778	4.910	ug/l #	50
38) Carbon Tetrachloride	7.98	117	80854	6.206	ug/l #	15
49) 1,4-Dioxane	9.23	88	55	1.056	ug/l #	8
52) Toluene	10.41	92	26465	1.210	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	249013	57.715	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	249013	114.645	ug/l #	10

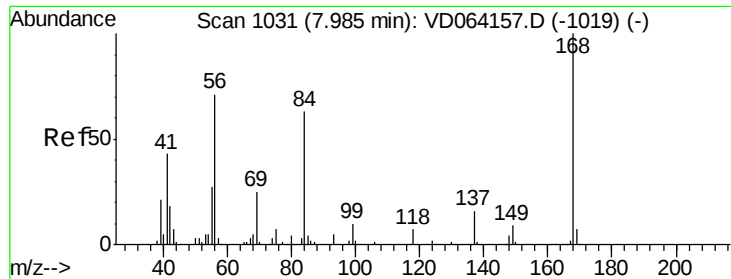
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064332.D

Acq: 21 Nov 2019 18:51

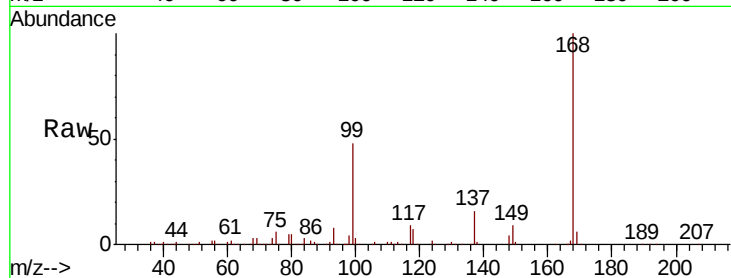
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 917896

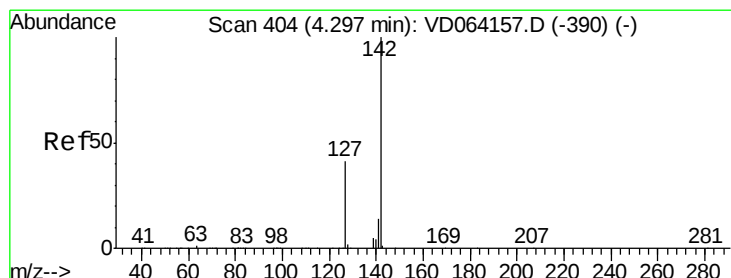
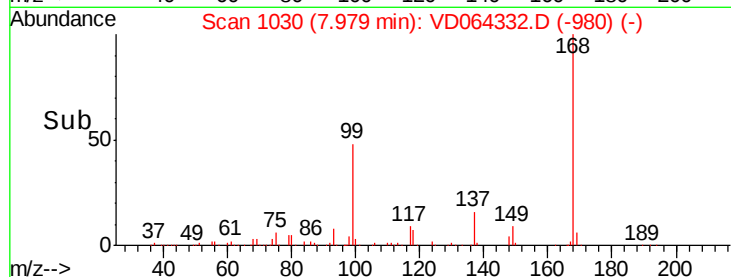
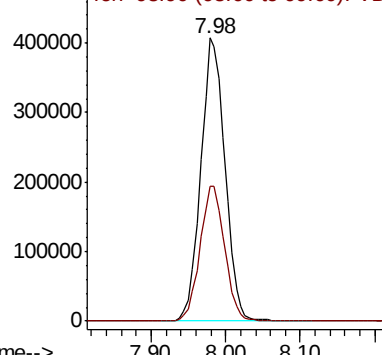
Ion Ratio Lower Upper

168 100

99 47.5 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: 2.060 ug/l

RT: 4.29 min Scan# 402

Delta R.T. -0.01 min

Lab File: VD064332.D

Acq: 21 Nov 2019 18:51

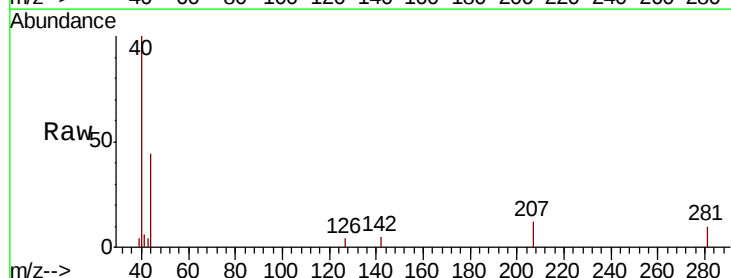
Tgt Ion:142 Resp: 274

Ion Ratio Lower Upper

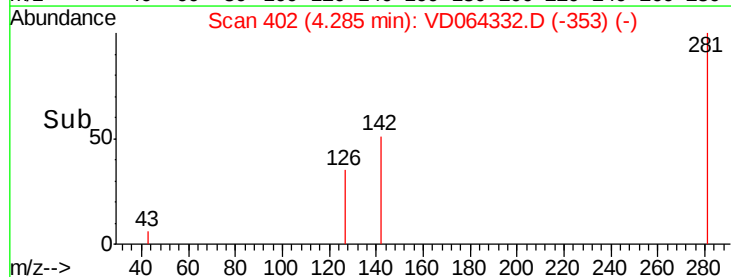
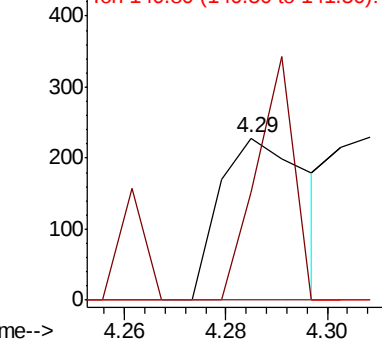
142 100

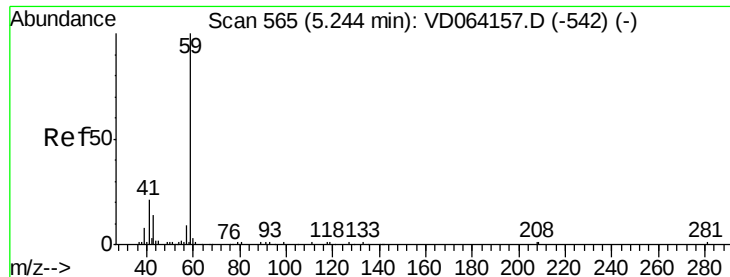
127 63.9 34.4 51.6#

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



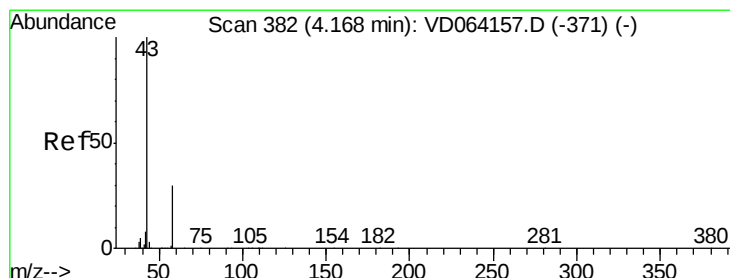
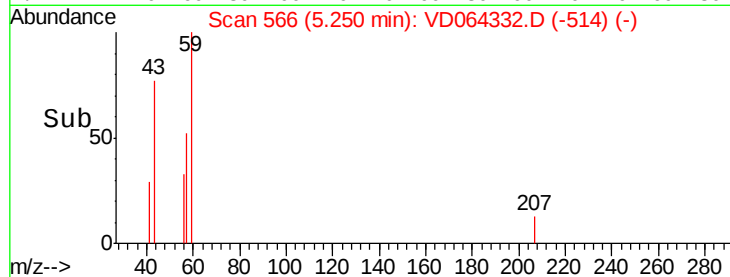
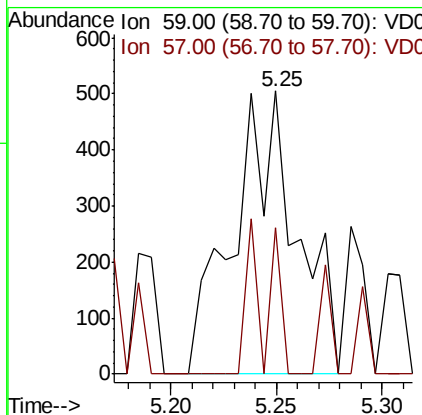
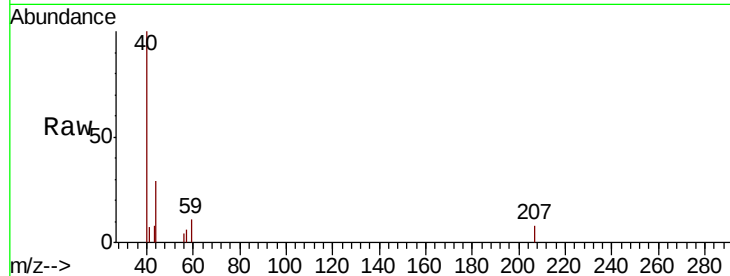


#11

Tert butyl alcohol
 Concen: 2.001 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064332.D
 Acq: 21 Nov 2019 18:51

Instrument :
 MSVOA_D
 ClientSampleId :

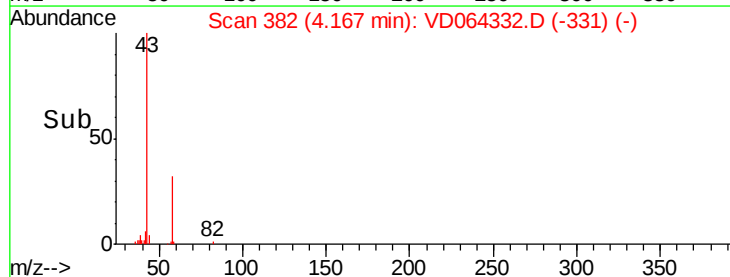
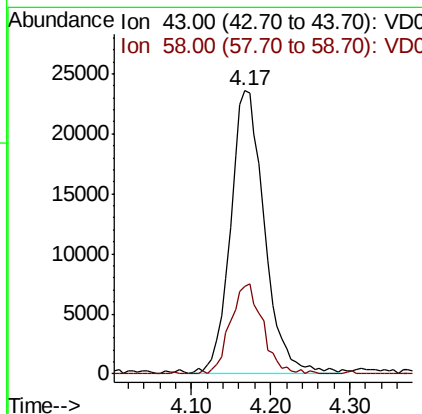
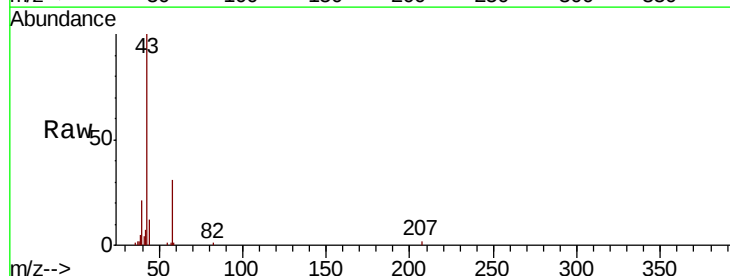
Tot Ion: 59 Resp: 1055
 Ion Ratio Lower Upper
 59 100
 57 18.1 9.4 14.2#

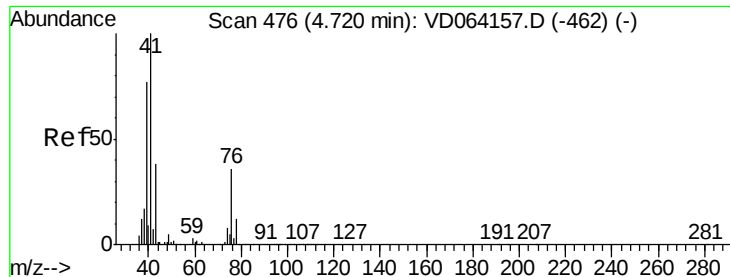


#16

Acetone
 Concen: 39.284 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD064332.D
 Acq: 21 Nov 2019 18:51

Tgt Ion: 43 Resp: 70255
 Ion Ratio Lower Upper
 43 100
 58 30.9 24.1 36.1

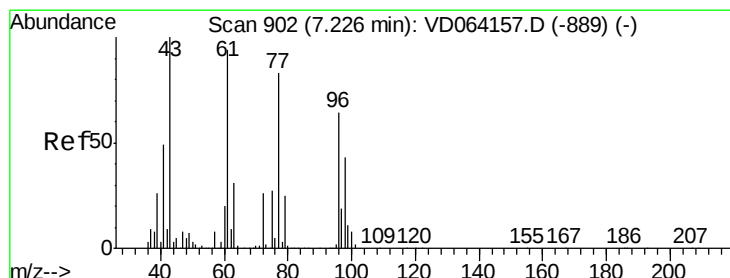
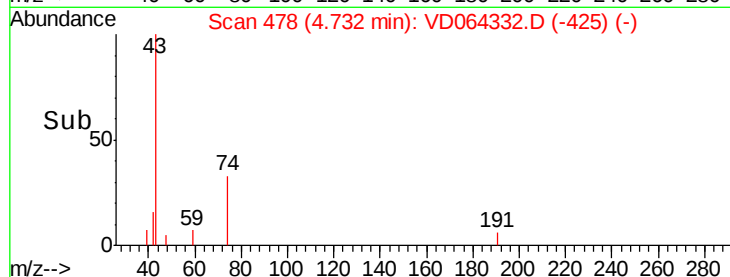
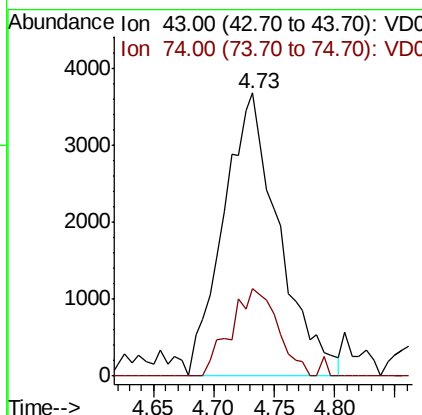
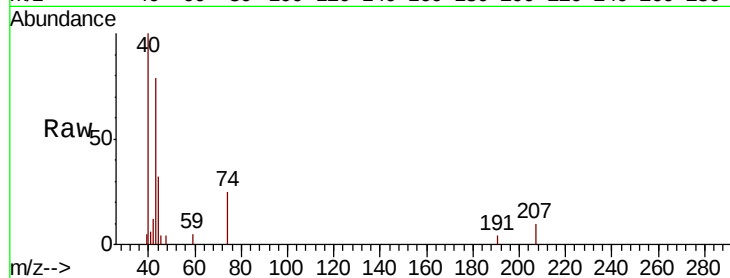




#18
Methyl Acetate
Concen: 2.344 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

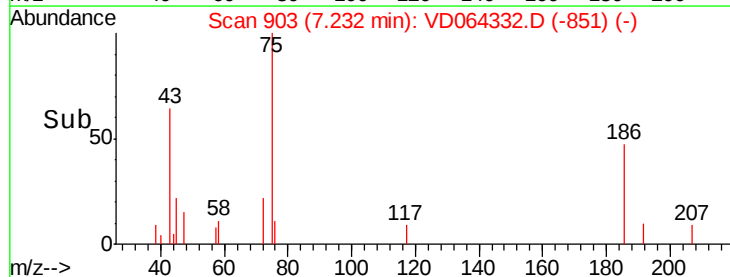
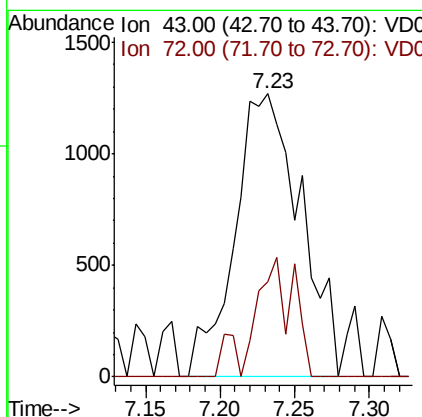
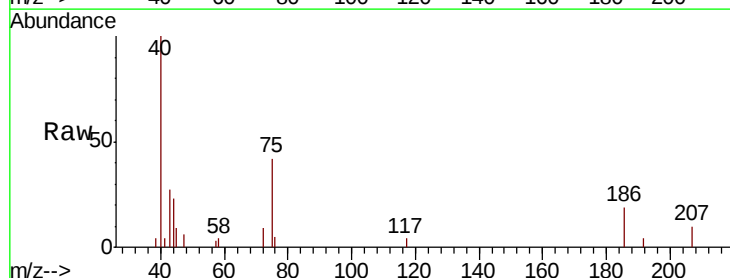
Instrument :
MSVOA_D
ClientSampleId :

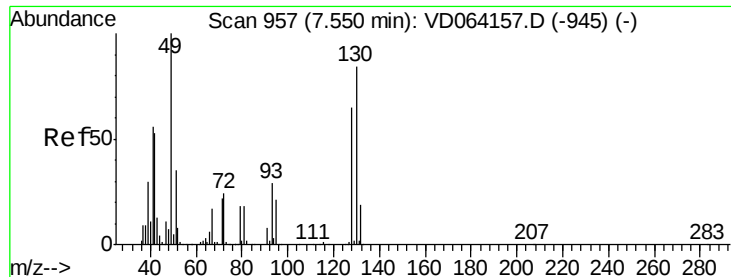
Tot Ion: 43 Resp: 11707
Ion Ratio Lower Upper
43 100
74 26.4 18.4 27.6



#25
2-Butanone
Concen: 1.692 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

Tgt Ion: 43 Resp: 3909
Ion Ratio Lower Upper
43 100
72 33.6 20.6 30.8#

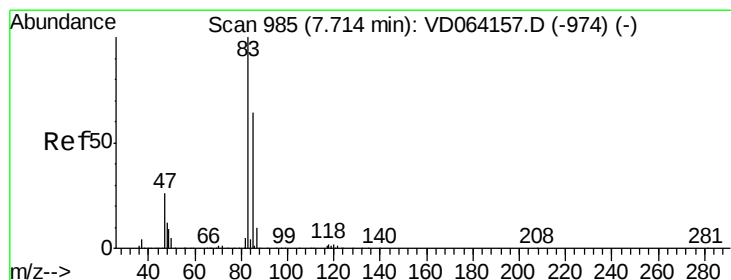
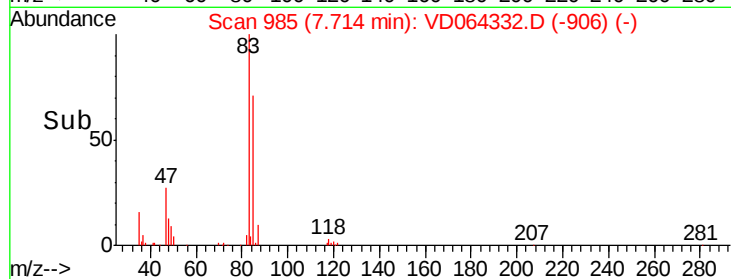
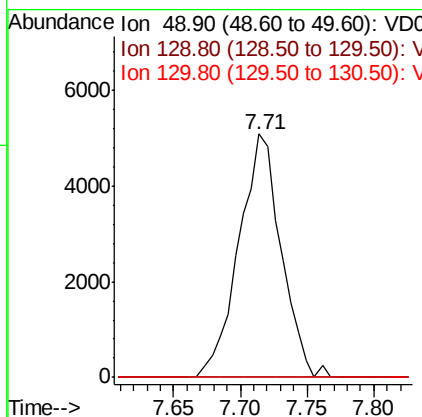
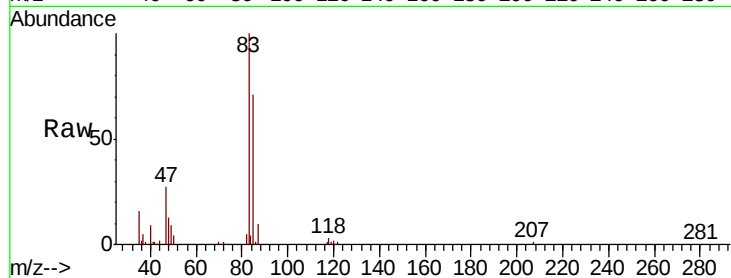




#28
Bromochloromethane
Concen: 2.177 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.16 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

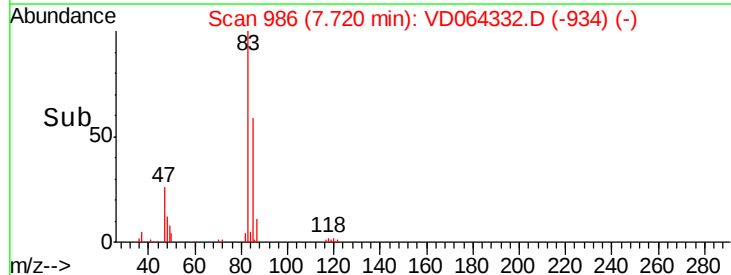
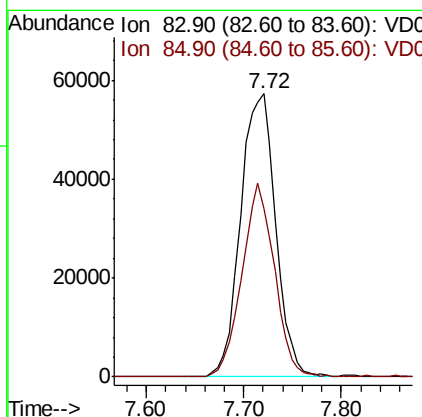
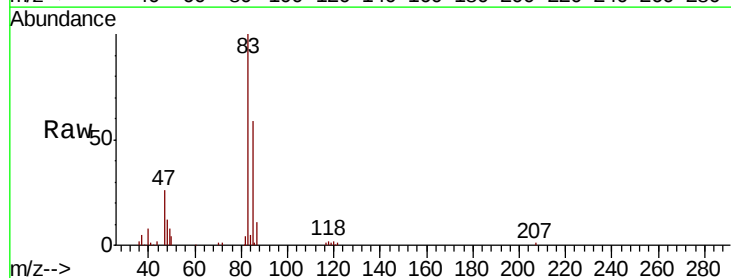
Instrument :
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ClientSampleId :

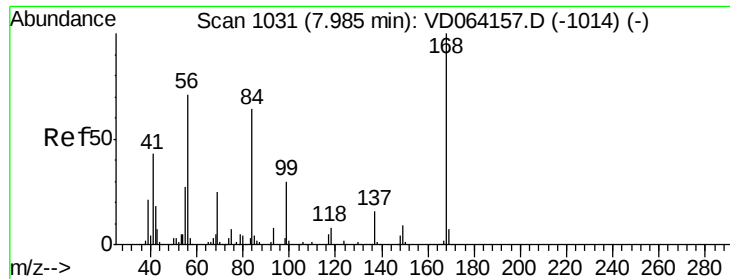
Tot Ion: 49 Resp: 11137
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 66.8 100.2#



#30
Chloroform
Concen: 9.522 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

Tgt Ion: 83 Resp: 143090
Ion Ratio Lower Upper
83 100
85 59.3 51.4 77.0

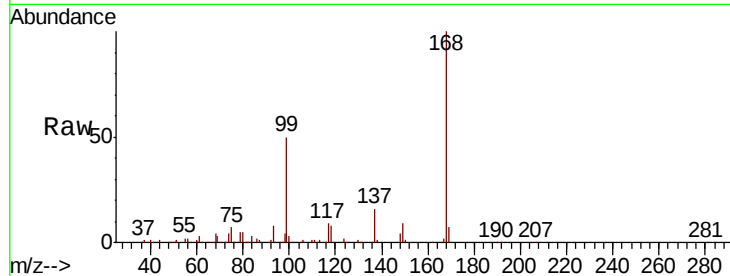




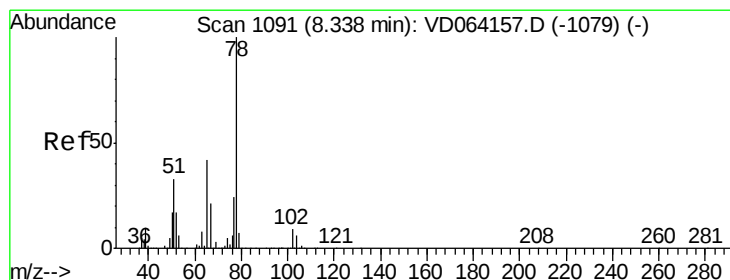
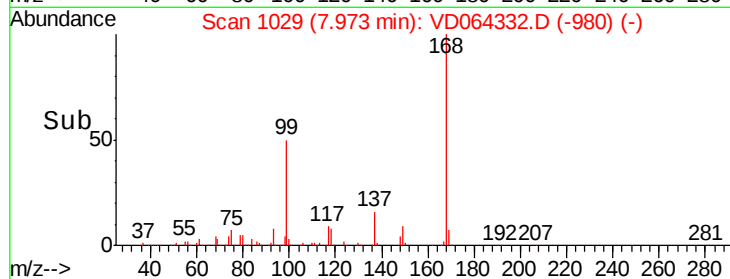
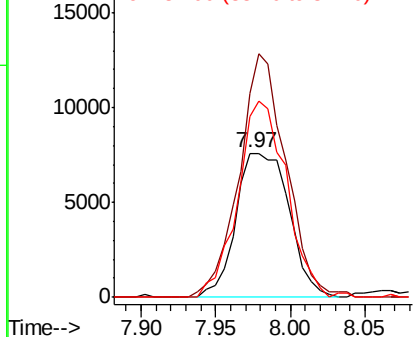
#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 18814
Ion Ratio Lower Upper
56 100
69 140.9 28.2 42.4#
84 125.6 71.8 107.6#

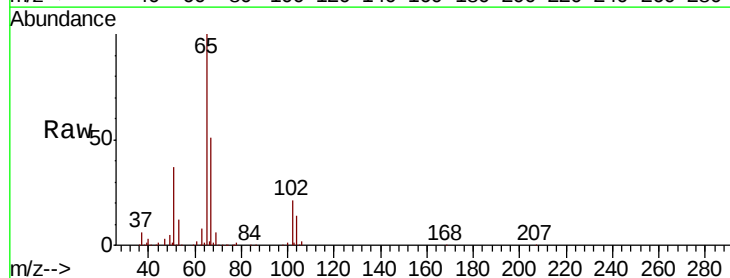


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

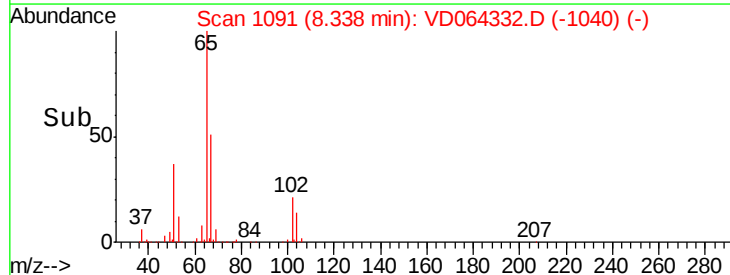
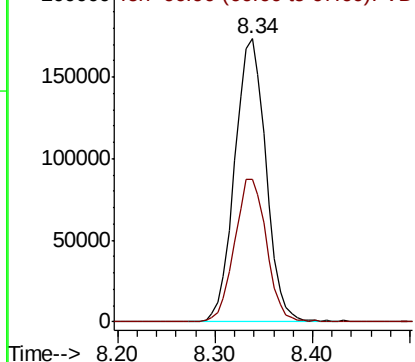


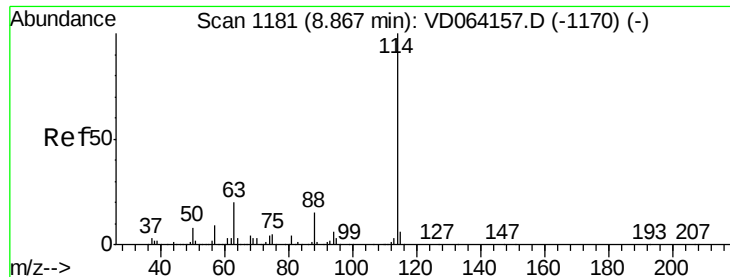
#33
1,2-Dichloroethane-d4
Concen: 51.316 ug/l
RT: 8.34 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

Tgt Ion: 65 Resp: 387392
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

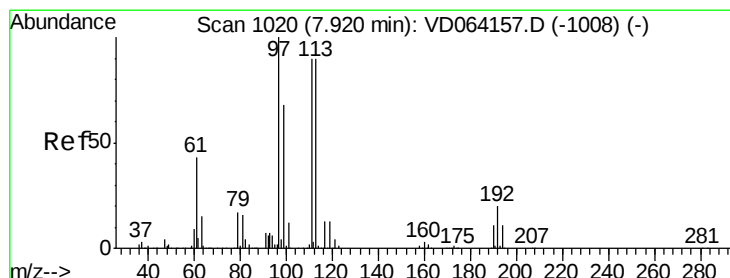
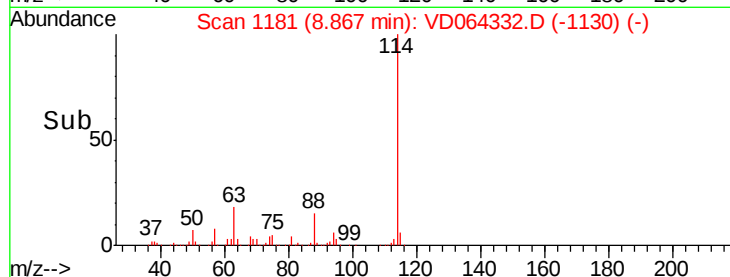
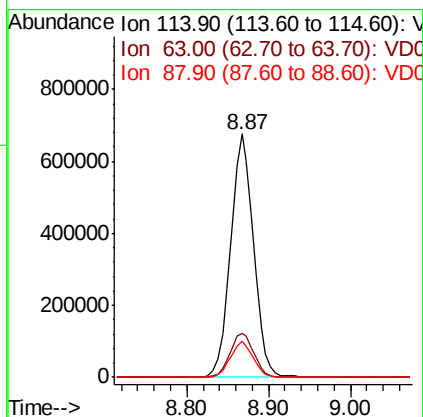
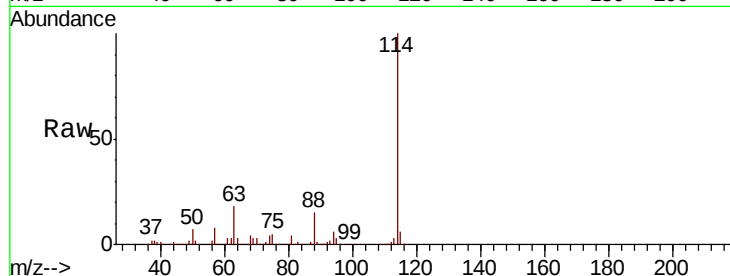




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064332.D
 Acq: 21 Nov 2019 18:51

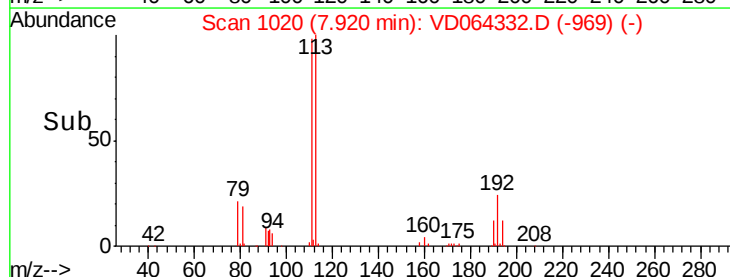
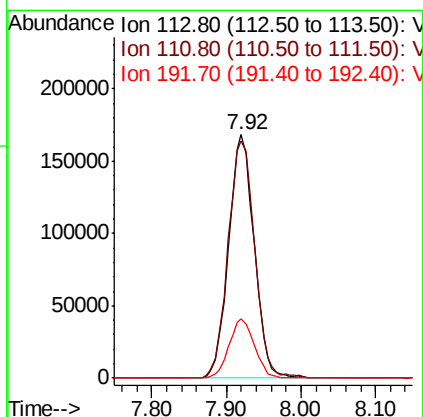
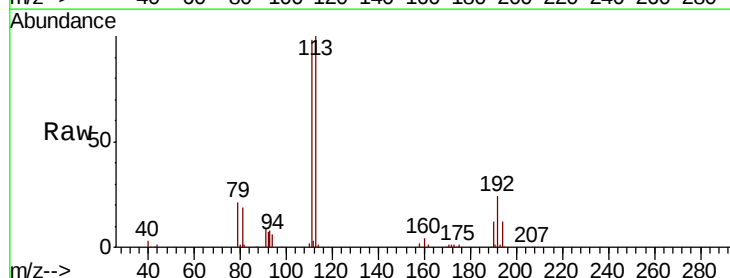
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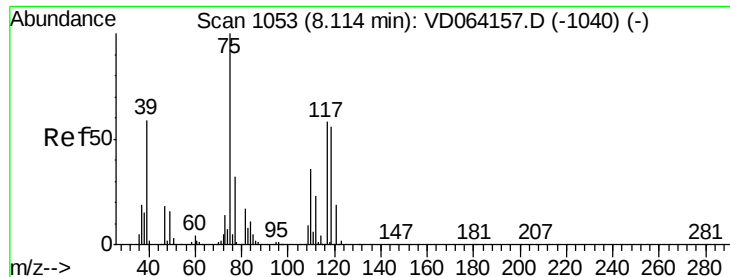
Tot Ion:114 Resp: 1319220
 Ion Ratio Lower Upper
 114 100
 63 17.9 0.0 40.0
 88 14.7 0.0 30.2



#35
 Dibromofluoromethane
 Concen: 52.940 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064332.D
 Acq: 21 Nov 2019 18:51

Tgt Ion:113 Resp: 400889
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.5 122.3
 192 24.2 18.8 28.2

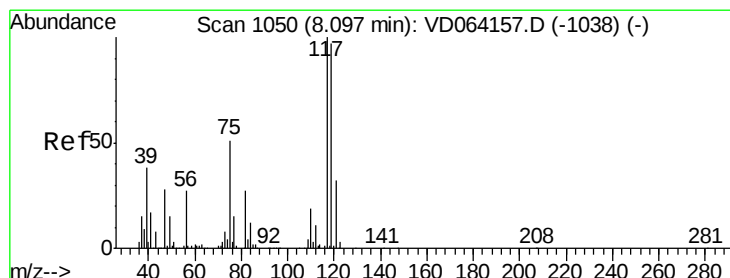
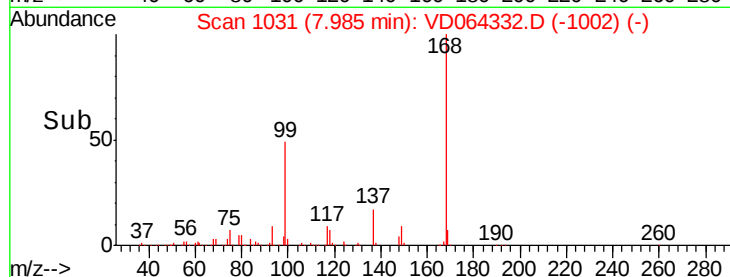
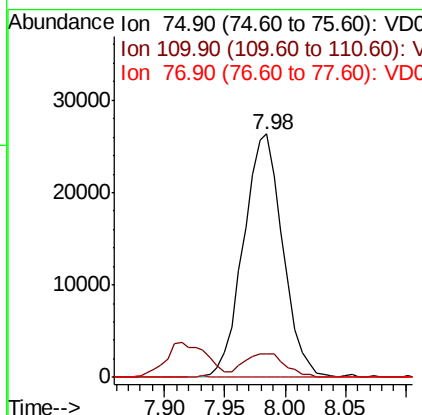
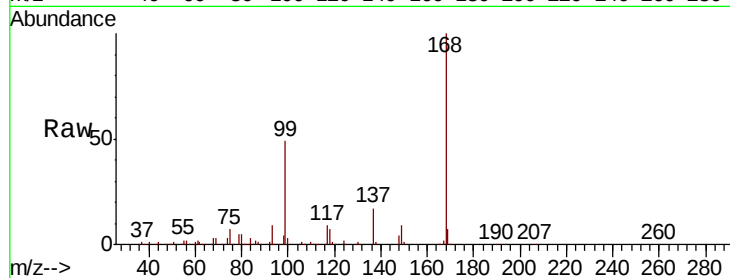




#36
 1,1-Dichloropropene
 Concen: 4.910 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD064332.D
 Acq: 21 Nov 2019 18:51

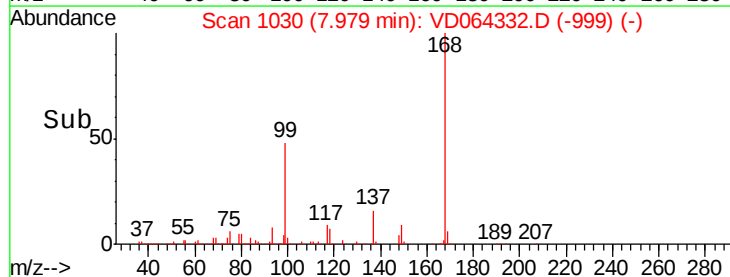
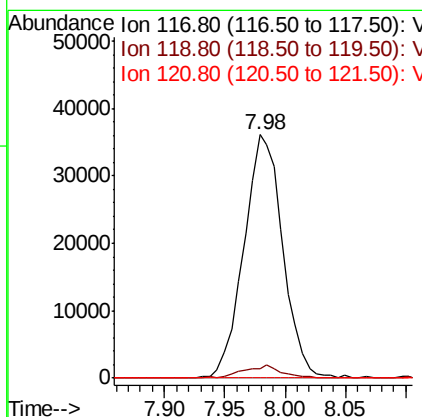
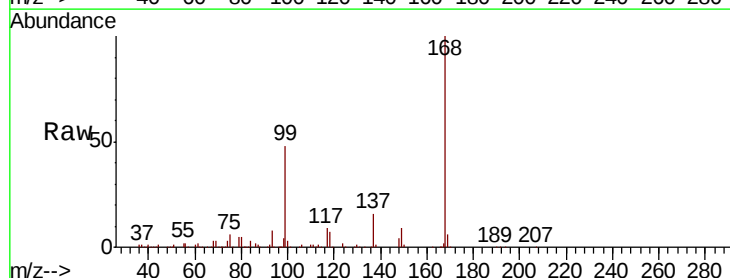
Instrument :
 MSVOA_D
 ClientSampleId :

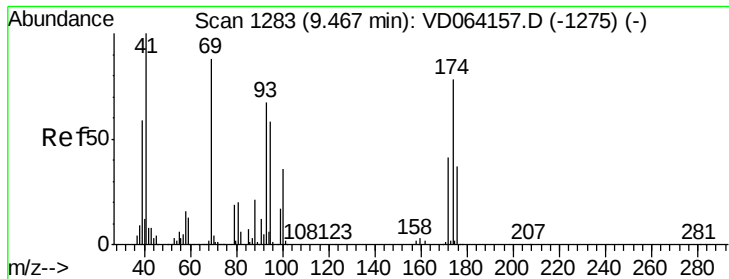
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.5	18.3	54.9#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.206 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064332.D
 Acq: 21 Nov 2019 18:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.9	77.2	115.8#
121	0.0	25.5	38.3#

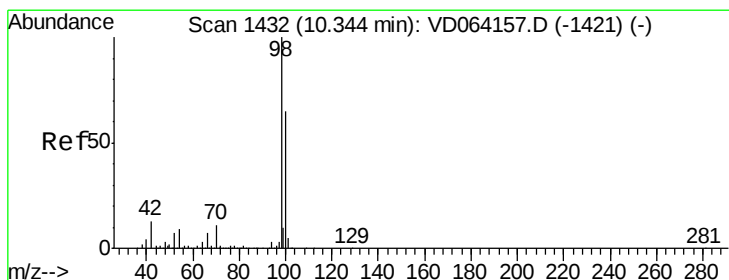
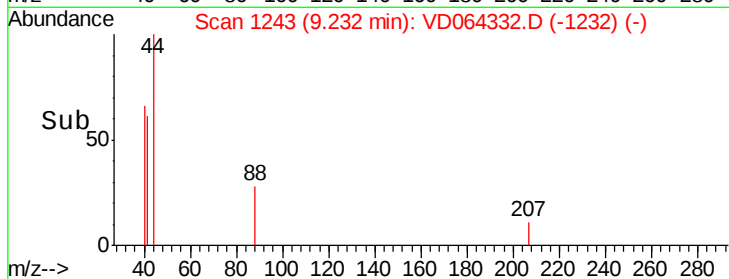
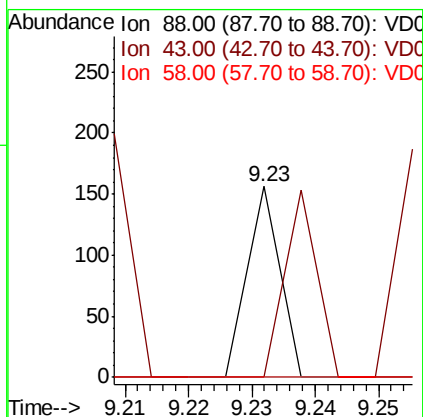
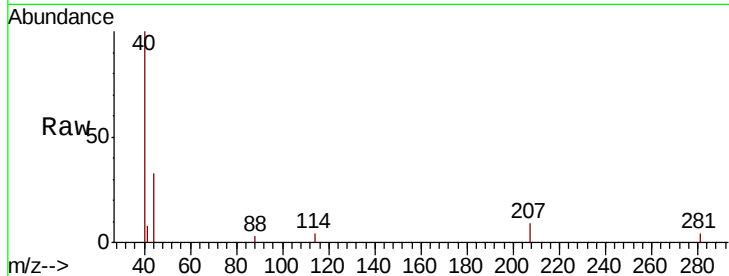




#49
1,4-Dioxane
Concen: 1.056 ug/l
RT: 9.23 min Scan# 1243
Delta R.T. -0.24 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

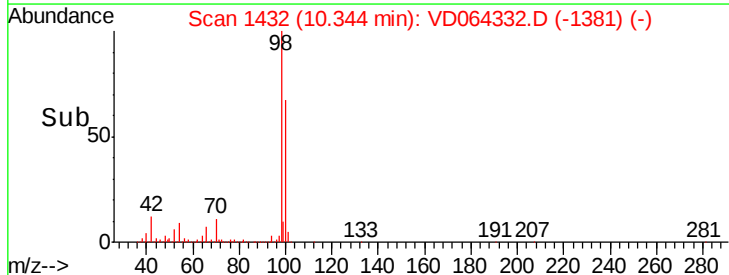
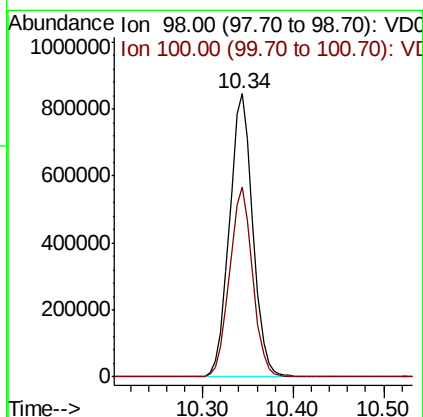
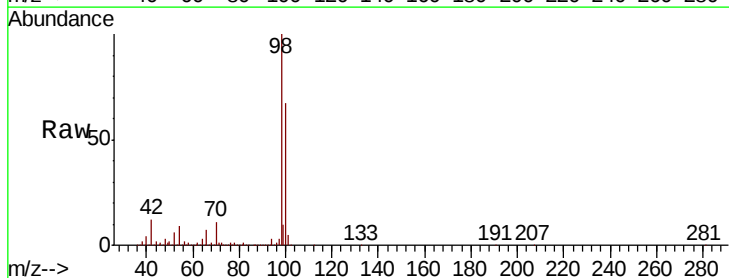
Instrument :
MSVOA_D
ClientSampled :

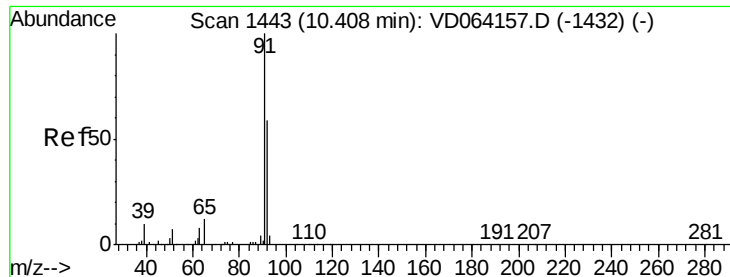
Tot Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 98.2 29.8 44.8#
58 0.0 58.1 87.1#



#50
Toluene-d8
Concen: 53.163 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

Tgt Ion: 98 Resp: 1518700
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8





#52

Toluene

Concen: 1.210 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064332.D

Acq: 21 Nov 2019 18:51

Instrument :

MSVOA_D

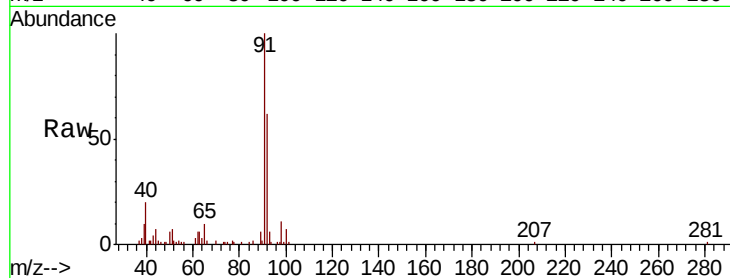
ClientSampleId :

Tot Ion: 92 Resp: 26465

Ion Ratio Lower Upper

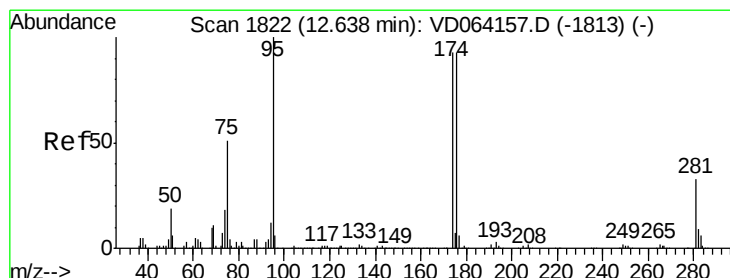
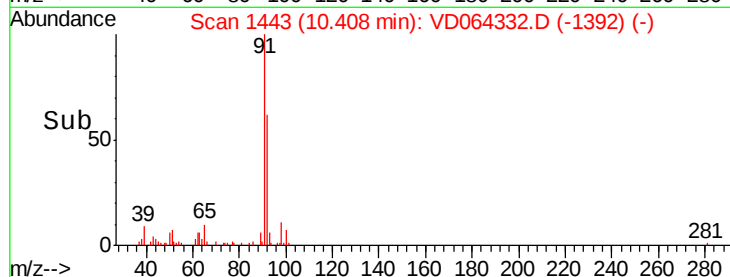
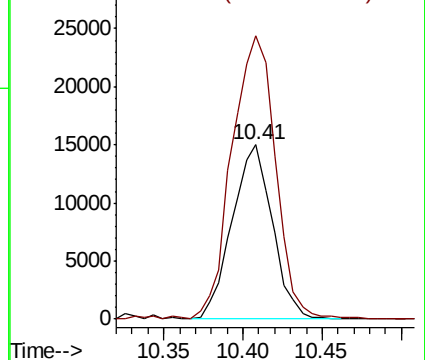
92 100

91 176.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#62

4-Bromofluorobenzene

Concen: 49.172 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064332.D

Acq: 21 Nov 2019 18:51

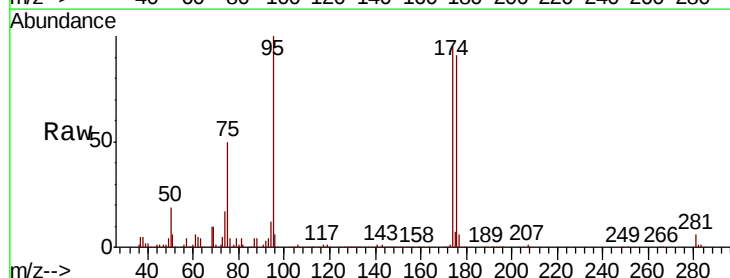
Tgt Ion: 95 Resp: 486449

Ion Ratio Lower Upper

95 100

174 98.3 0.0 183.6

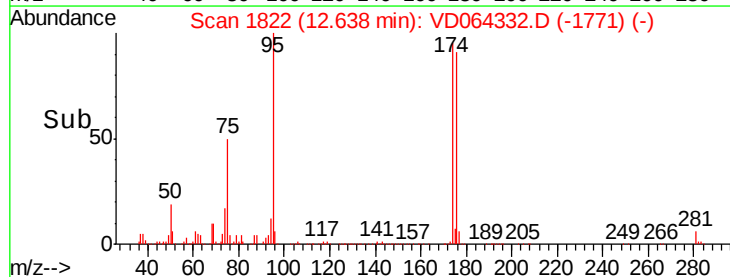
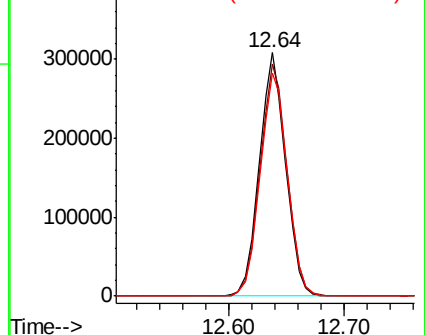
176 95.2 0.0 180.2

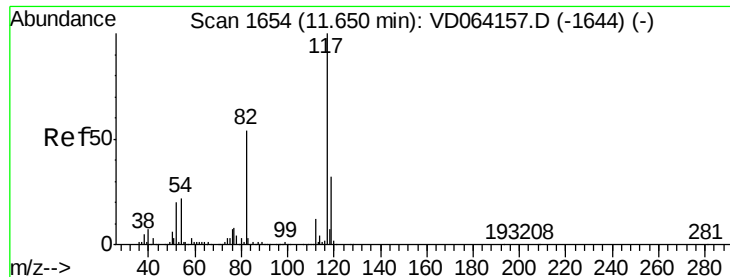


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

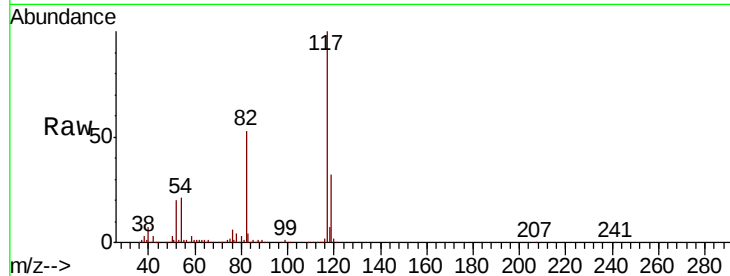




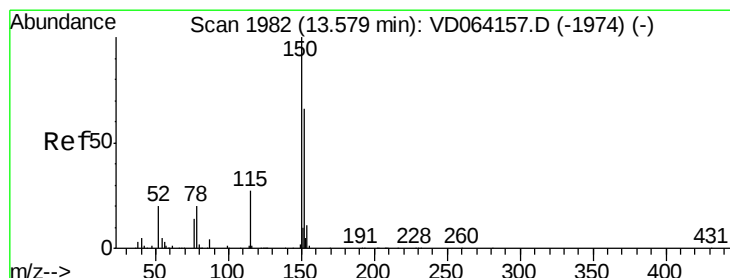
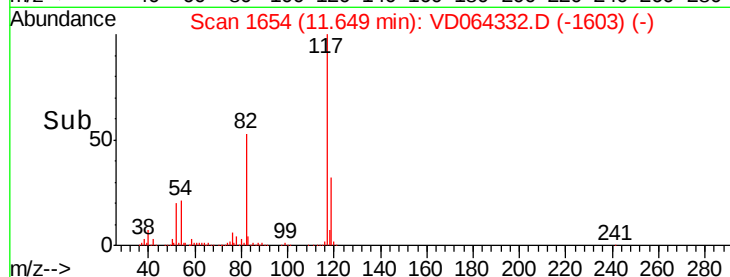
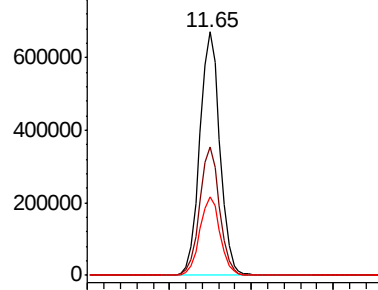
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 1146826
Ion Ratio Lower Upper
117 100
82 52.6 42.8 64.2
119 32.5 25.6 38.4

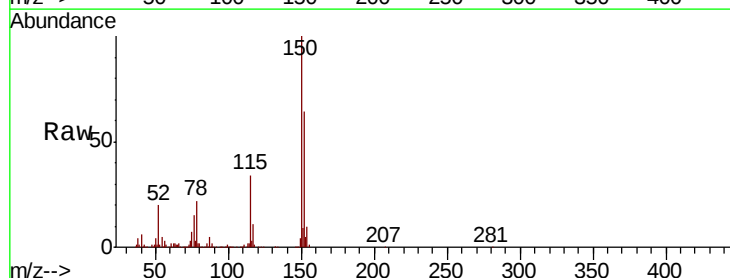


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VD
Ion 118.90 (118.60 to 119.60): V

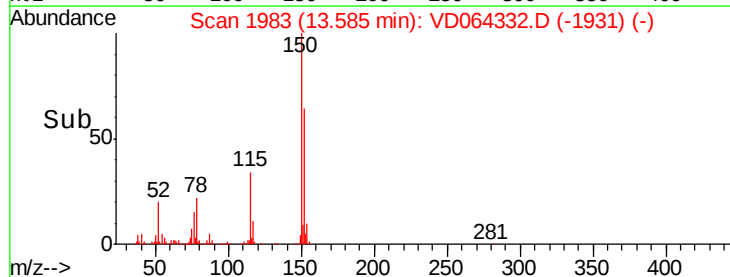
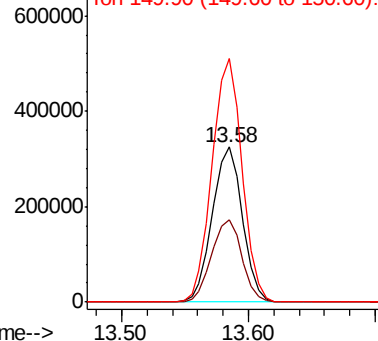


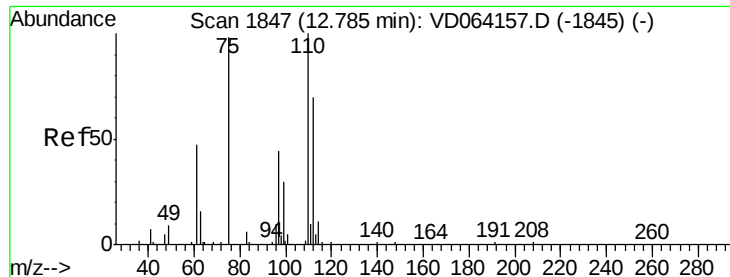
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064332.D
Acq: 21 Nov 2019 18:51

Tgt Ion:152 Resp: 535651
Ion Ratio Lower Upper
152 100
115 53.7 27.4 82.2
150 156.8 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: 57.715 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064332.D

Acq: 21 Nov 2019 18:51

Instrument :

MSVOA_D

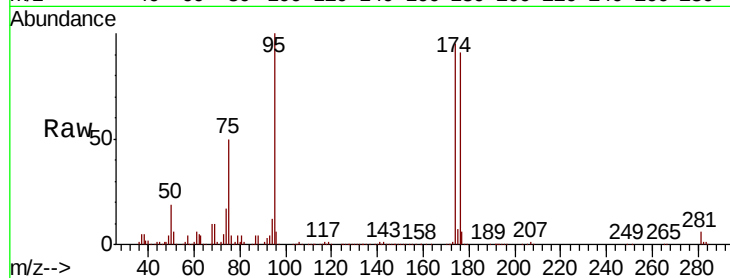
ClientSampleId :

Tot Ion: 75 Resp: 249013

Ion Ratio Lower Upper

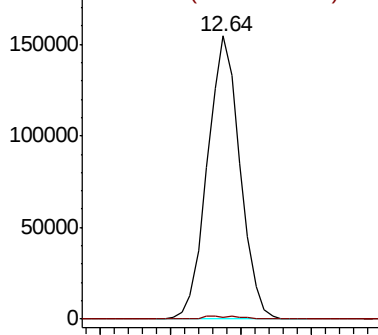
75 100

77 1.2 0.0 0.0#

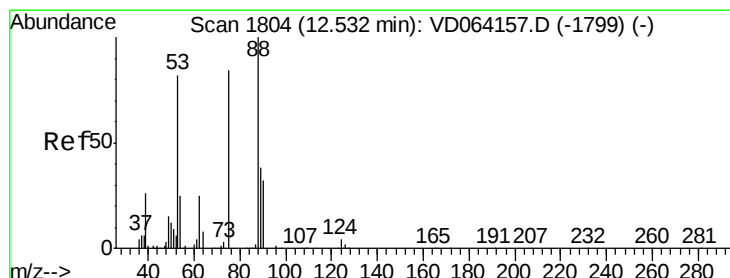
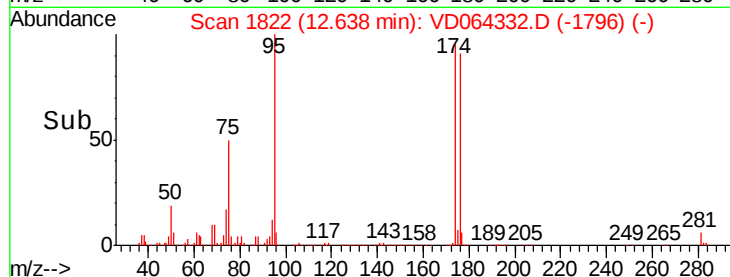


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 114.645 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD064332.D

Acq: 21 Nov 2019 18:51

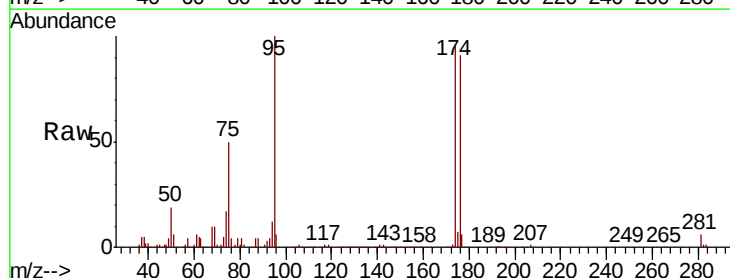
Tgt Ion: 75 Resp: 249013

Ion Ratio Lower Upper

75 100

53 0.0 79.4 119.0#

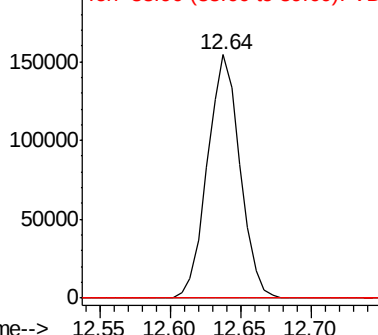
89 0.0 36.6 55.0#



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



Time--> 12.55 12.60 12.65 12.70

