

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD112019\
 Data File : VD064312.D
 Acq On : 20 Nov 2019 14:36
 Operator : VA/SY
 Sample : K5940-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 33RD-ST-7TH-AVE-WEST-COMP

Quant Time: Nov 20 15:44:46 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	983066	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1414713	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1225263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	563239	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	392005	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
35) Dibromofluoromethane	7.92	113	419510	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
50) Toluene-d8	10.34	98	1623714	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
62) 4-Bromofluorobenzene	12.64	95	510899	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

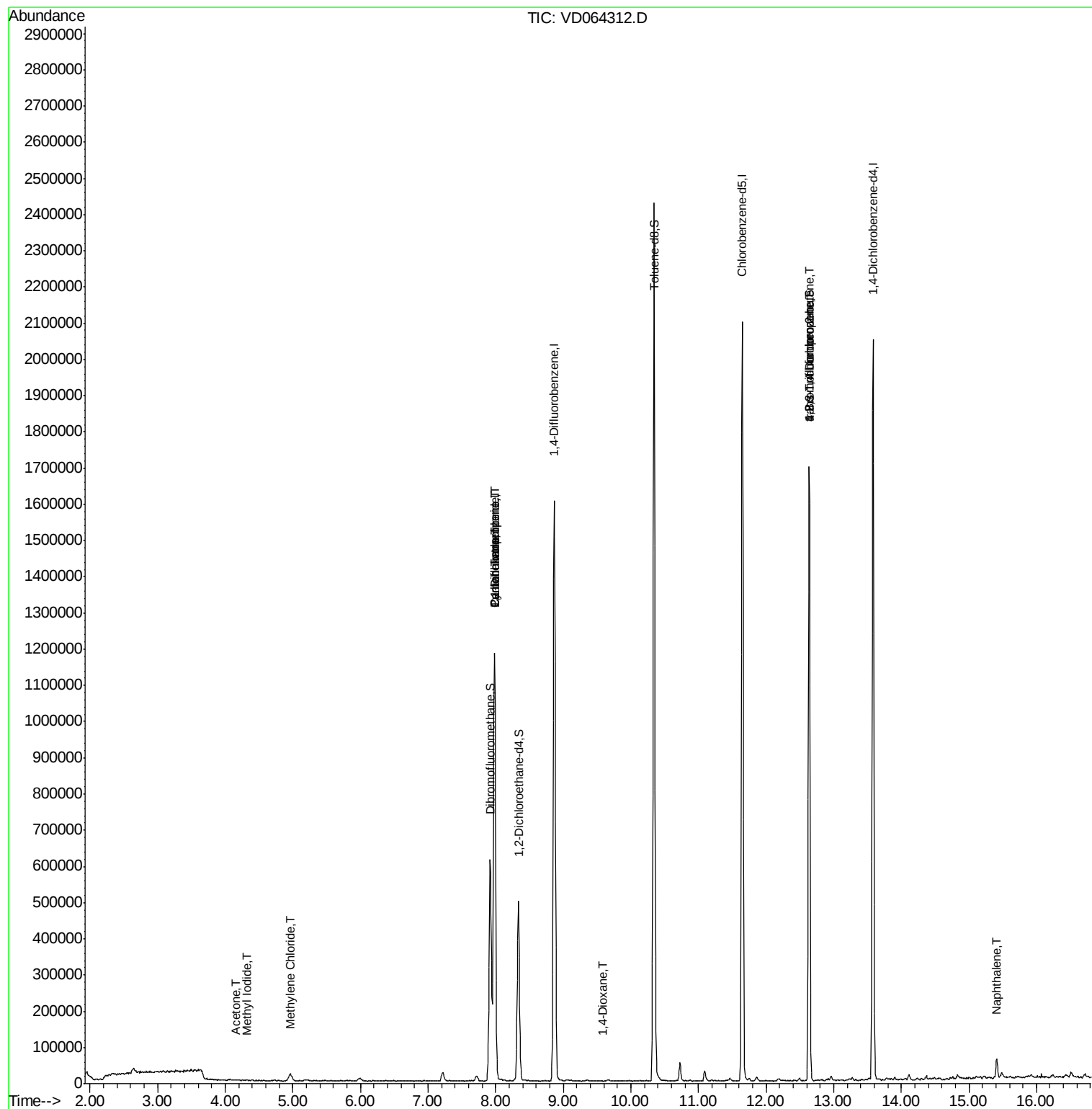
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.31	142	388	2.069	ug/l #	41
16) Acetone	4.16	43	4850	2.532	ug/l	90
20) Methylene Chloride	4.97	84	14047	1.452	ug/l #	83
31) Cyclohexane	7.98	56	19229	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	65363	5.006	ug/l #	49
38) Carbon Tetrachloride	7.98	117	89293	6.391	ug/l #	14
49) 1,4-Dioxane	9.58	88	60	1.074	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	264914	58.393	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	264914	115.992	ug/l #	10
95) Naphthalene	15.41	128	43038	2.157	ug/l	97

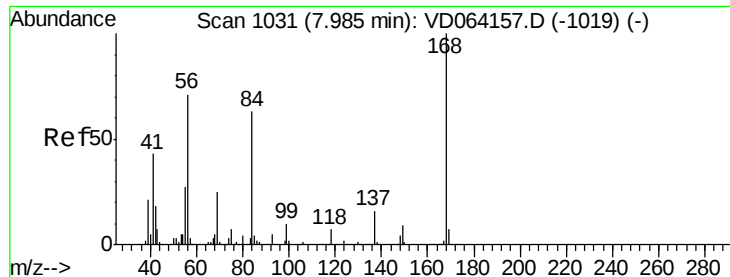
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD112019\
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33RD-ST-7TH-AVE-WEST-COMP

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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
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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: VD064312.D

Acq: 20 Nov 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

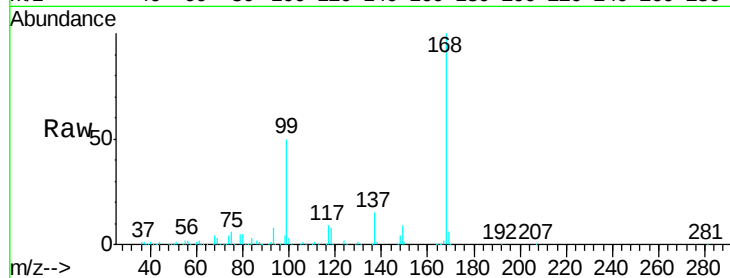
33RD-ST-7TH-AVE-WEST-COMP

Tgt Ion:168 Resp: 983066

Ion Ratio Lower Upper

168 100

99 49.6 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

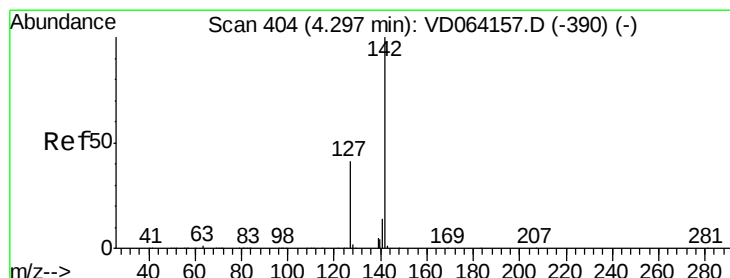
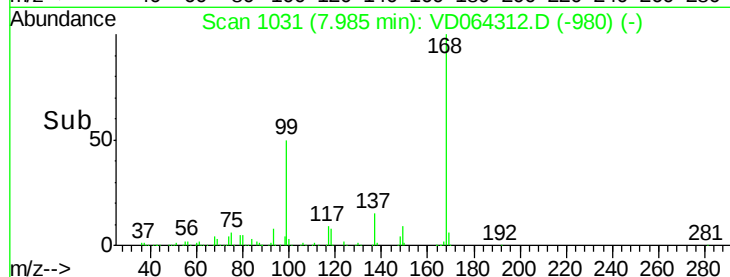
200000

100000

0

7.90 8.00 8.10

Time-->



#10

Methyl Iodide

Concen: 2.069 ug/l

RT: 4.31 min Scan# 407

Delta R.T. 0.02 min

Lab File: VD064312.D

Acq: 20 Nov 2019 14:36

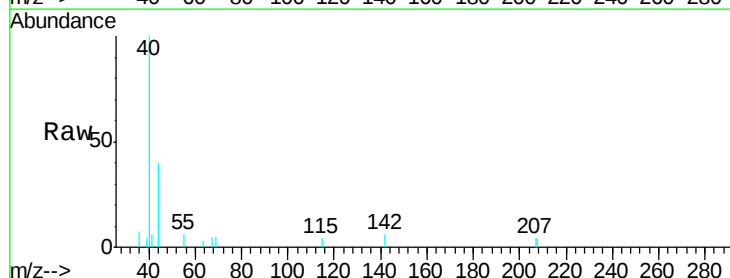
Tgt Ion:142 Resp: 388

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

400

300

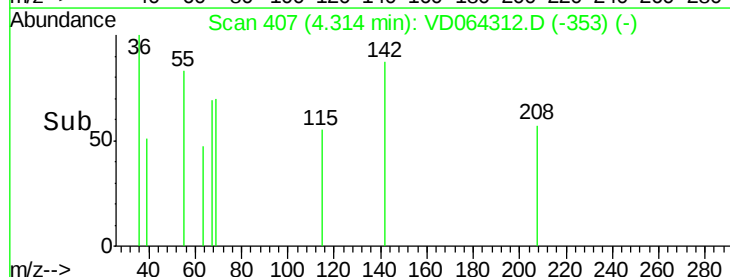
200

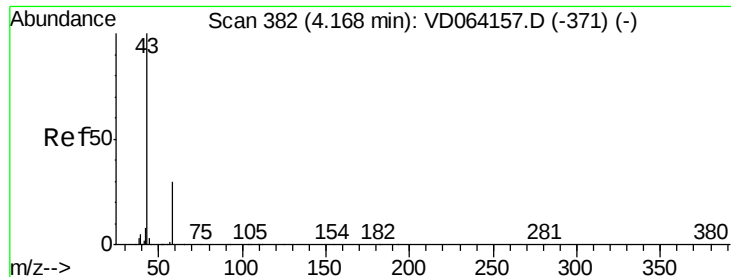
100

0

4.28 4.30 4.32 4.34

Time-->

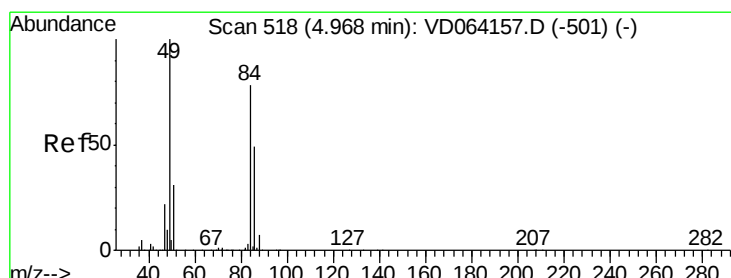
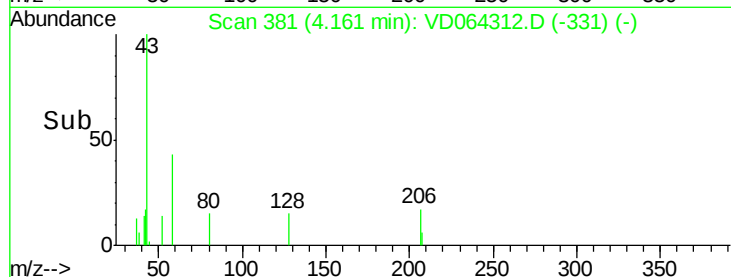
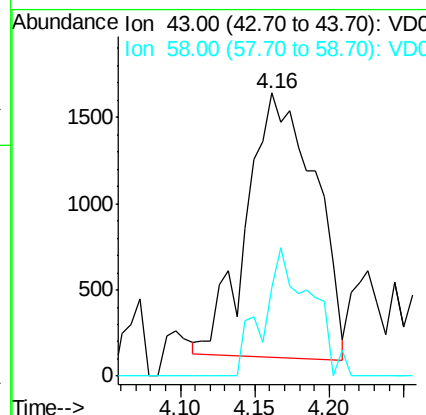
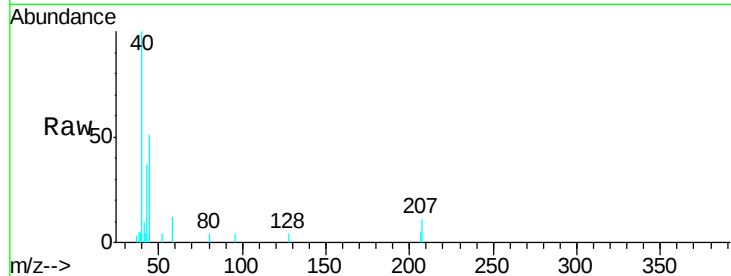




#16
Acetone
Concen: 2.532 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD064312.D
Acq: 20 Nov 2019 14:36

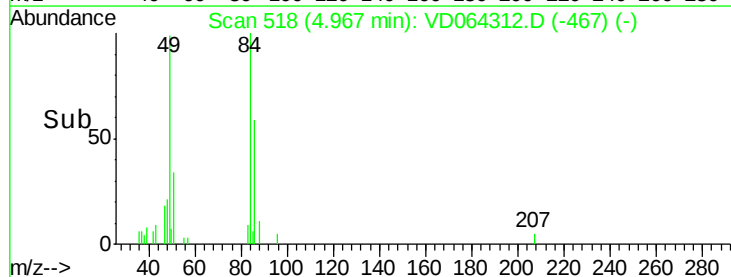
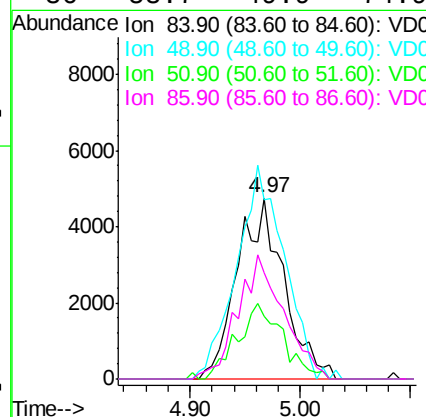
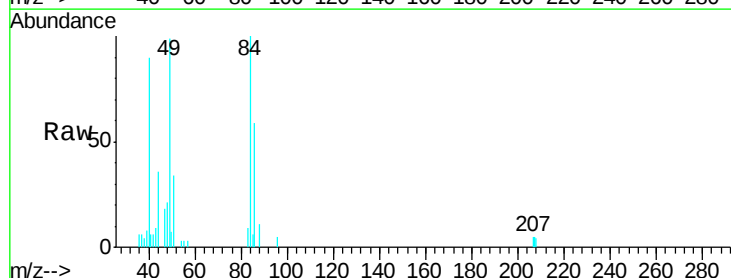
Instrument :
MSVOA_D
ClientSampleId :
33RD-ST-7TH-AVE-WEST-COMP

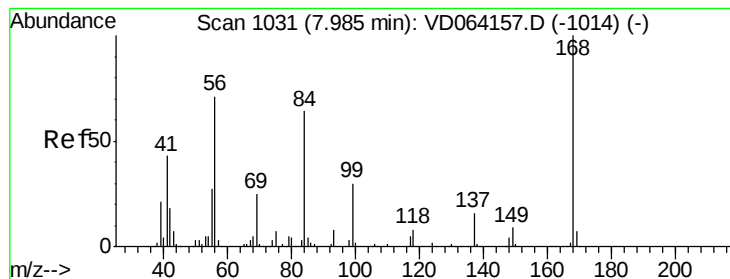
Tgt Ion: 43 Resp: 4850
Ion Ratio Lower Upper
43 100
58 35.6 24.1 36.1



#20
Methylene Chloride
Concen: 1.452 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064312.D
Acq: 20 Nov 2019 14:36

Tgt Ion: 84 Resp: 14047
Ion Ratio Lower Upper
84 100
49 98.7 102.1 153.1#
51 34.3 32.2 48.2
86 58.7 49.9 74.9





#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064312.D

Acq: 20 Nov 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

33RD-ST-7TH-AVE-WEST-COMP

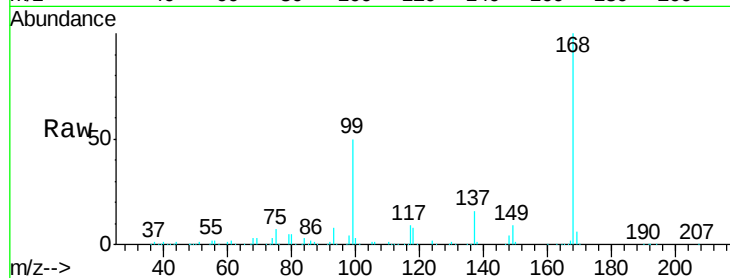
Tgt Ion: 56 Resp: 19229

Ion Ratio Lower Upper

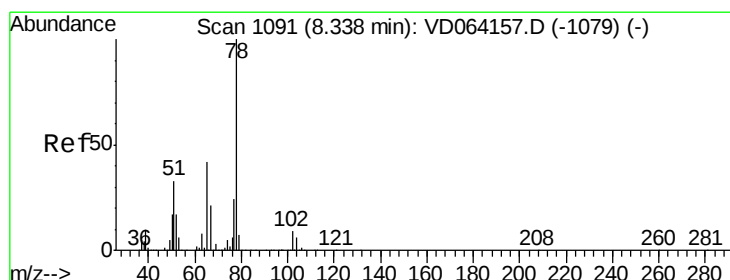
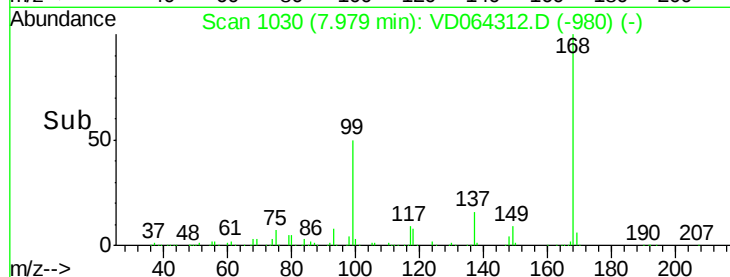
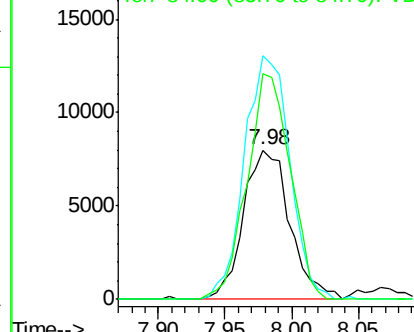
56 100

69 163.3 28.2 42.4#

84 151.3 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: 48.485 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064312.D

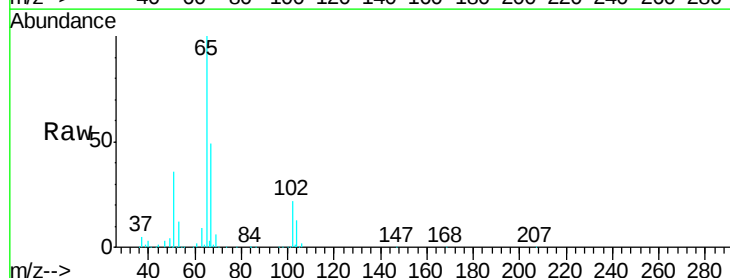
Acq: 20 Nov 2019 14:36

Tgt Ion: 65 Resp: 392005

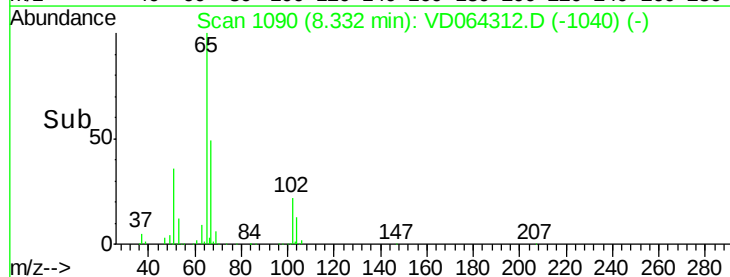
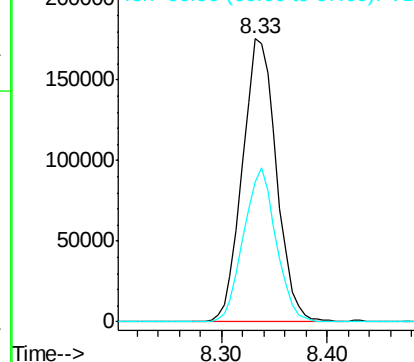
Ion Ratio Lower Upper

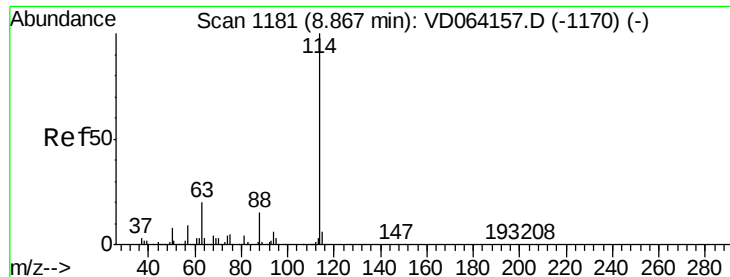
65 100

67 52.0 0.0 104.4



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

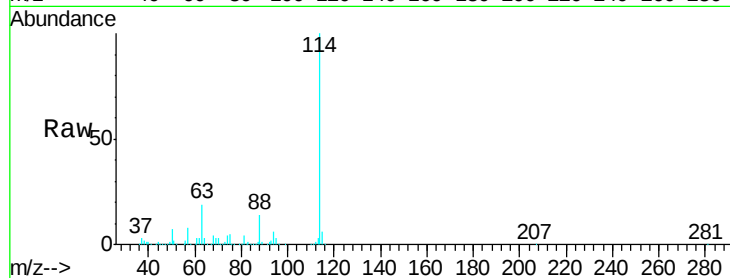




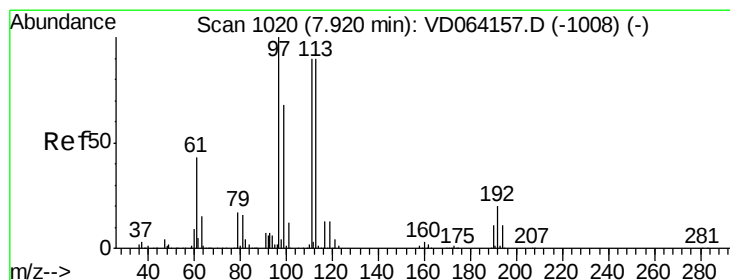
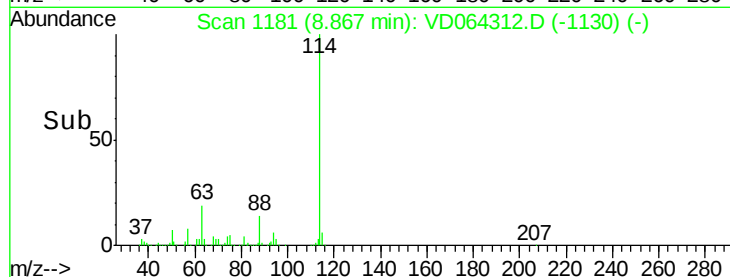
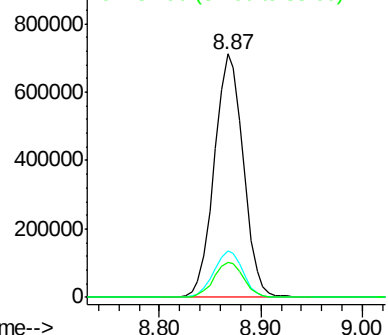
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064312.D
 Acq: 20 Nov 2019 14:36

Instrument :
 MSVOA_D
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 33RD-ST-7TH-AVE-WEST-COMP

Tgt Ion:114 Resp: 1414713
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 40.0
 88 14.4 0.0 30.2

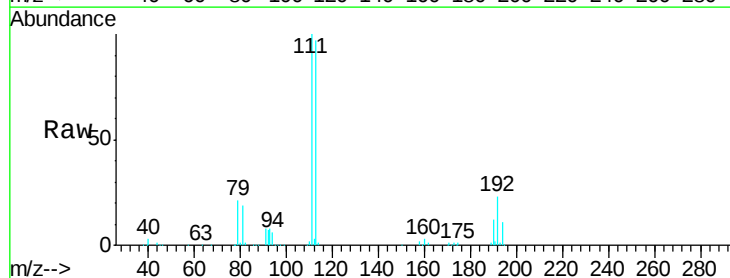


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

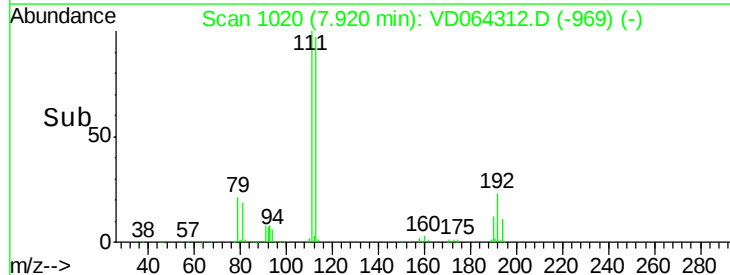
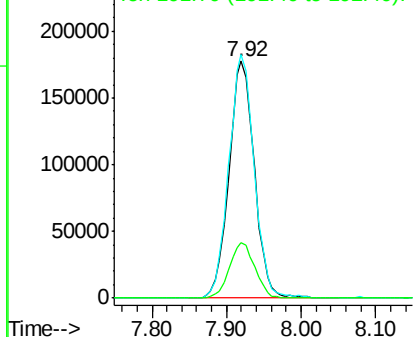


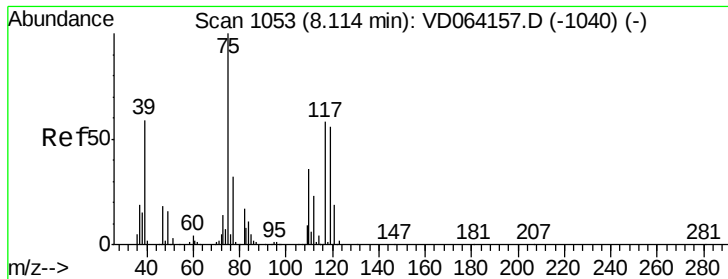
#35
 Dibromofluoromethane
 Concen: 51.659 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064312.D
 Acq: 20 Nov 2019 14:36

Tgt Ion:113 Resp: 419510
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.5 122.3
 192 23.6 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

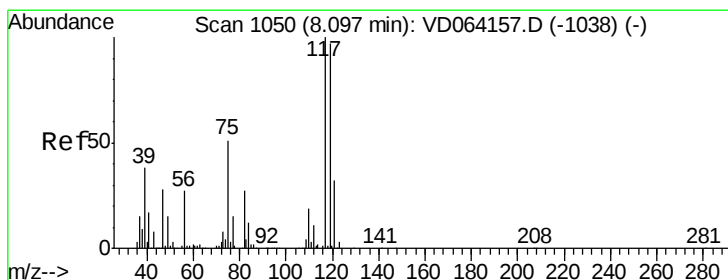
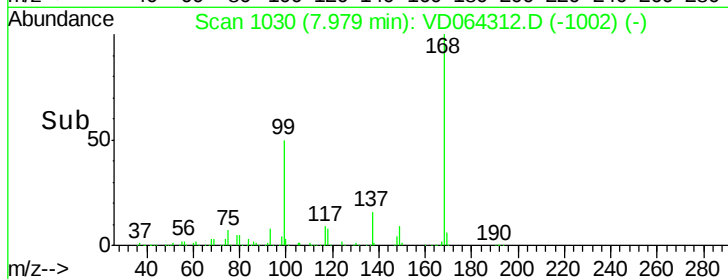
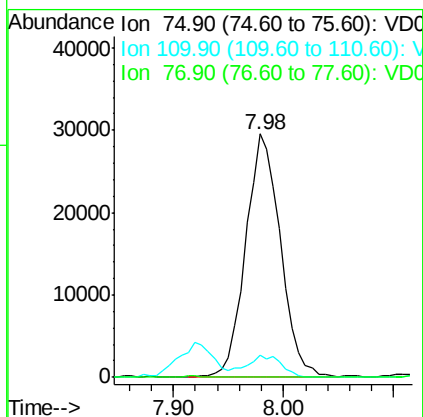
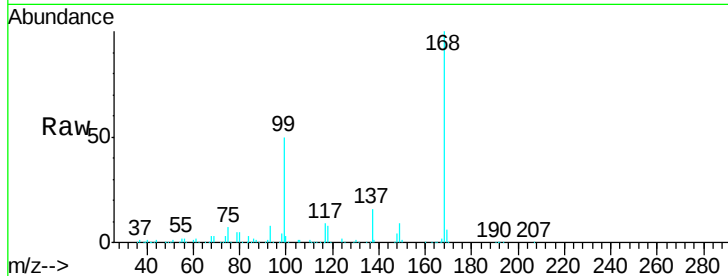




#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD064312.D
 Acq: 20 Nov 2019 14:36

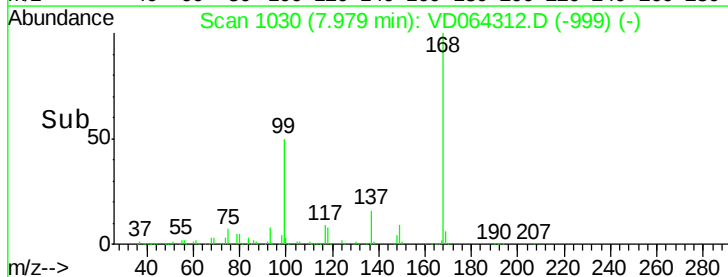
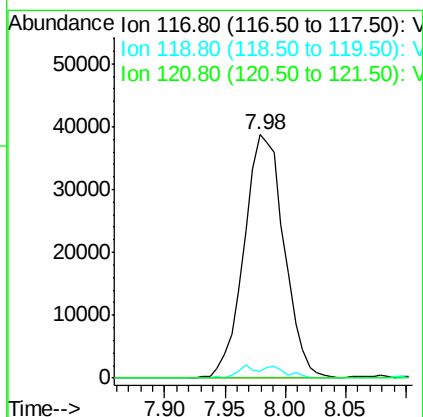
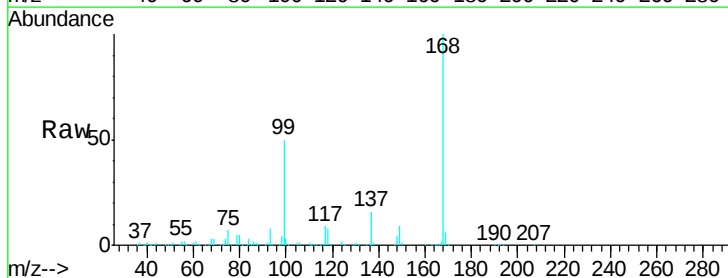
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 33RD-ST-7TH-AVE-WEST-COMP

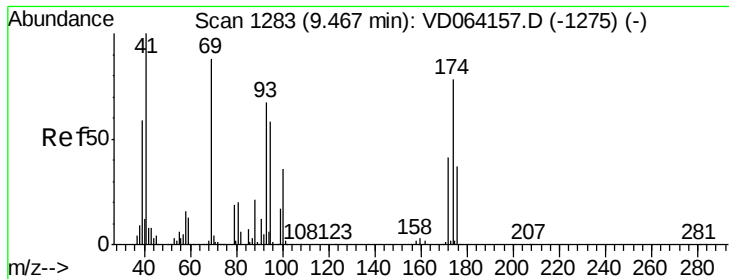
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.3	54.9#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 6.391 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD064312.D
 Acq: 20 Nov 2019 14:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	2.9	77.2	115.8#
121	0.0	25.5	38.3#

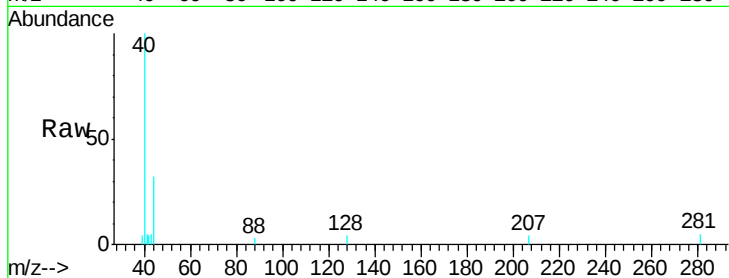




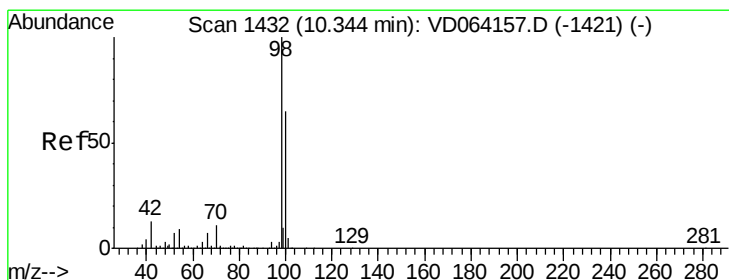
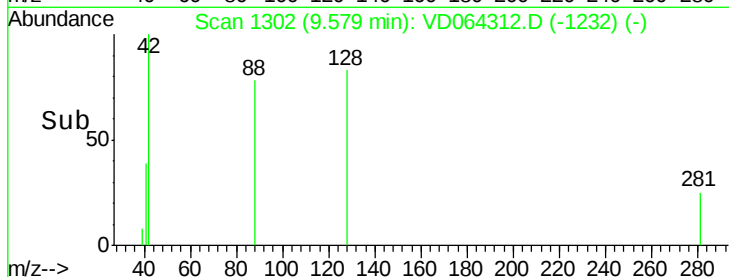
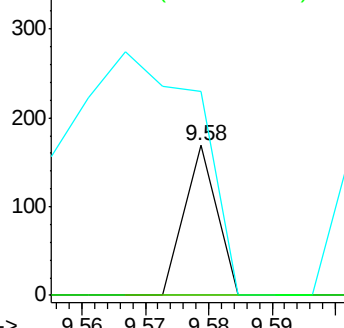
#49
1,4-Dioxane
Concen: 1.074 ug/l
RT: 9.58 min Scan# 1302
Delta R.T. 0.11 min
Lab File: VD064312.D
Acq: 20 Nov 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
33RD-ST-7TH-AVE-WEST-COMP

Tgt Ion: 88 Resp: 60
Ion Ratio Lower Upper
88 100
43 656.7 29.8 44.8#
58 0.0 58.1 87.1#

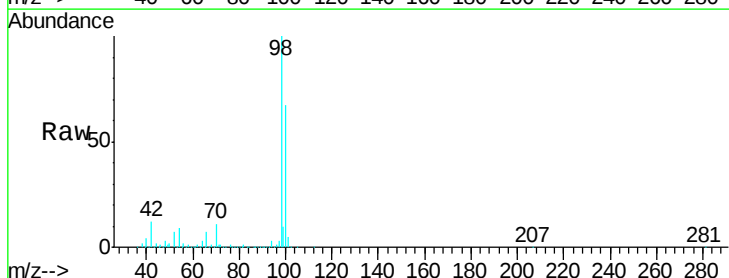


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

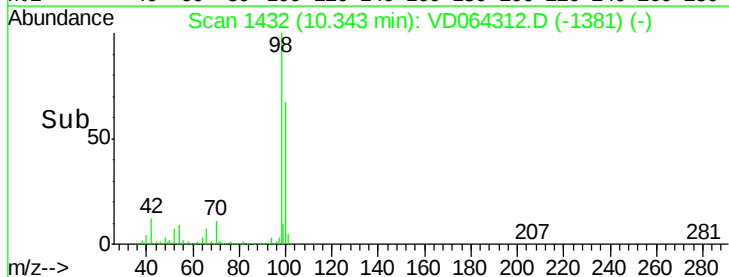
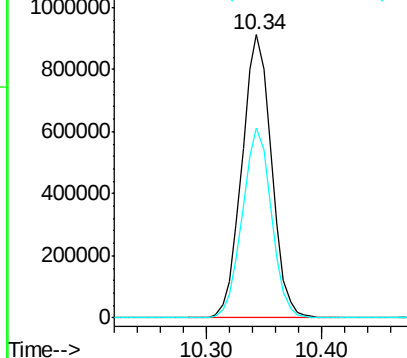


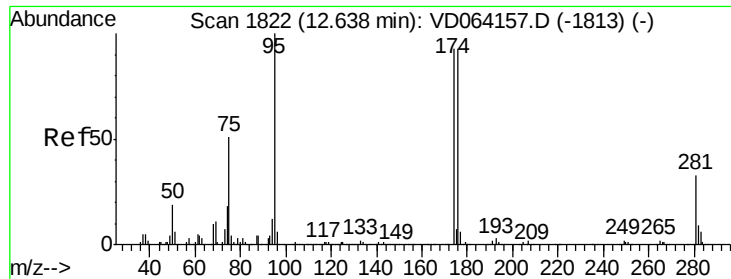
#50
Toluene-d8
Concen: 53.003 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064312.D
Acq: 20 Nov 2019 14:36

Tgt Ion: 98 Resp: 1623714
Ion Ratio Lower Upper
98 100
100 66.2 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: 48.157 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064312.D

Acq: 20 Nov 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

33RD-ST-7TH-AVE-WEST-COMP

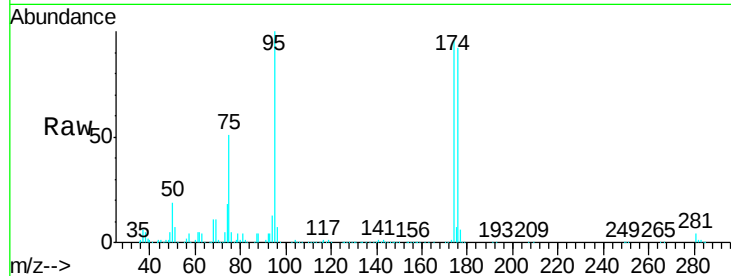
Tgt Ion: 95 Resp: 510899

Ion Ratio Lower Upper

95 100

174 97.2 0.0 183.6

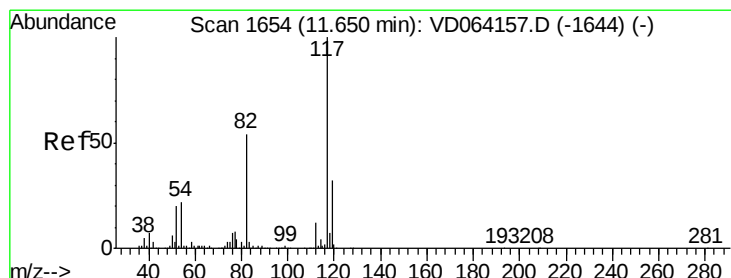
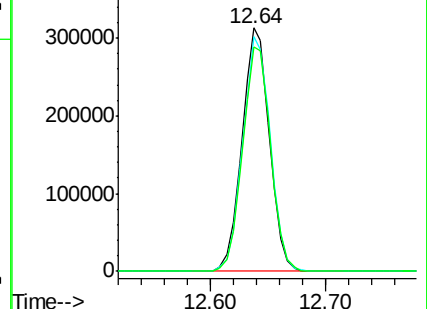
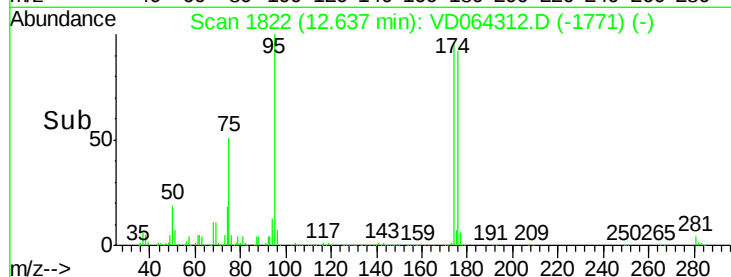
176 94.5 0.0 180.2



Abundance Ion 94.90 (94.60 to 95.60): VD064312.D (-1771) (-)

Ion 173.80 (173.50 to 174.50): VD064312.D (-1771) (-)

Ion 175.80 (175.50 to 176.50): VD064312.D (-1771) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD064312.D

Acq: 20 Nov 2019 14:36

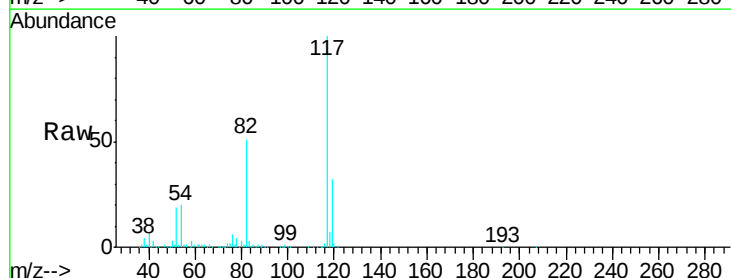
Tgt Ion: 117 Resp: 1225263

Ion Ratio Lower Upper

117 100

82 50.6 42.8 64.2

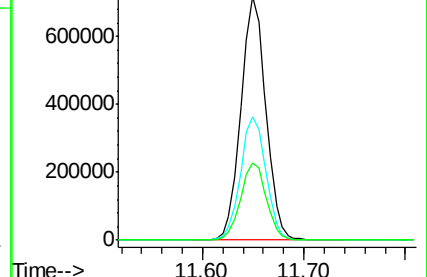
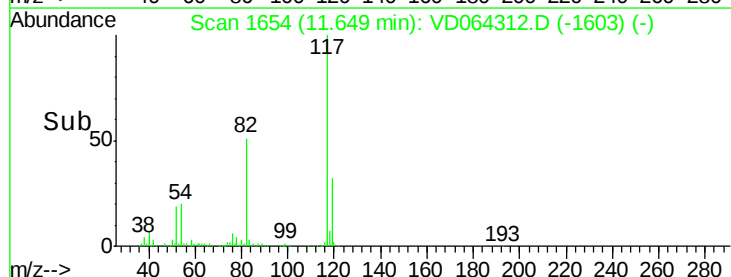
119 31.7 25.6 38.4

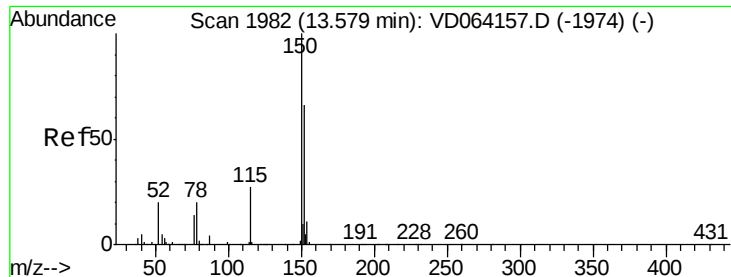


Abundance Ion 116.90 (116.60 to 117.60): VD064312.D (-1603) (-)

Ion 82.00 (81.70 to 82.70): VD064312.D (-1603) (-)

Ion 118.90 (118.60 to 119.60): VD064312.D (-1603) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064312.D

Acq: 20 Nov 2019 14:36

Instrument :

MSVOA_D

ClientSampleId :

33RD-ST-7TH-AVE-WEST-COMP

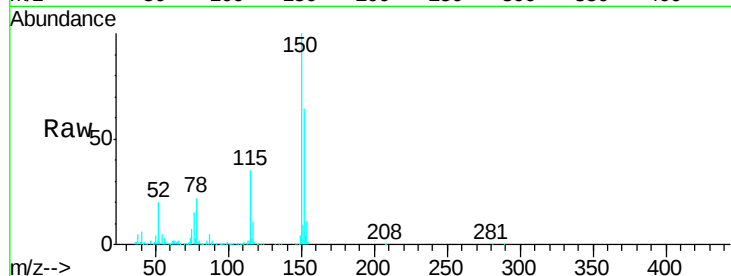
Tgt Ion: 152 Resp: 563239

Ion Ratio Lower Upper

152 100

115 54.3 27.4 82.2

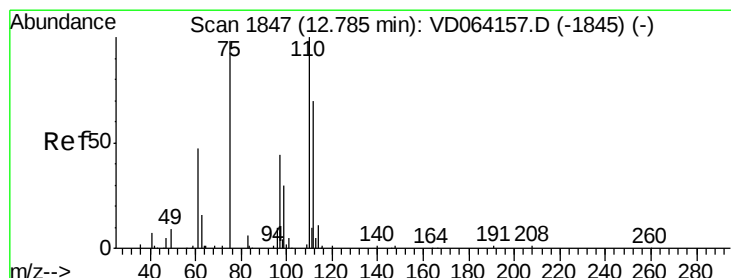
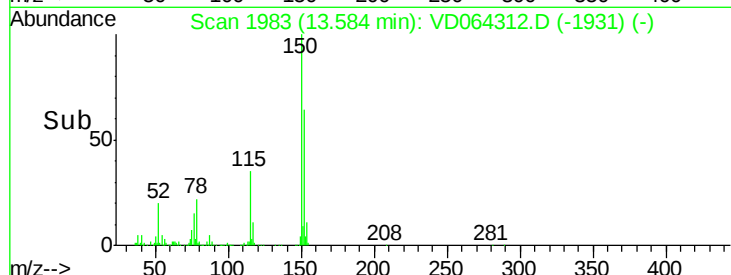
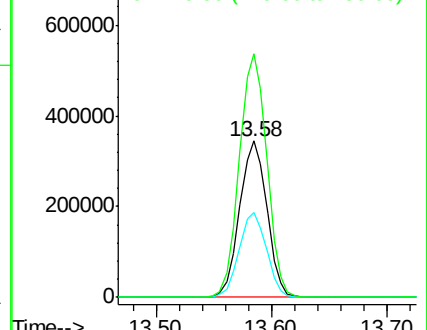
150 157.0 0.0 351.6



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: 58.393 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064312.D

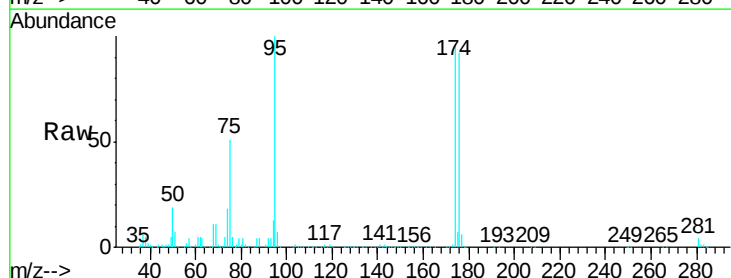
Acq: 20 Nov 2019 14:36

Tgt Ion: 75 Resp: 264914

Ion Ratio Lower Upper

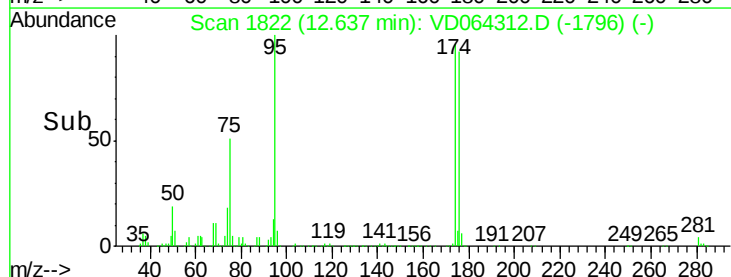
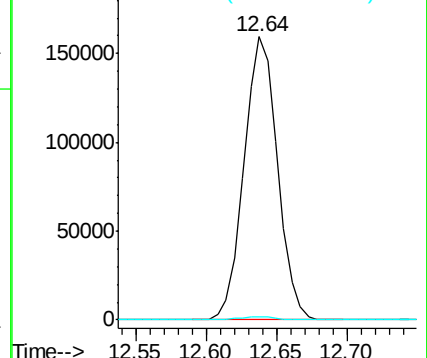
75 100

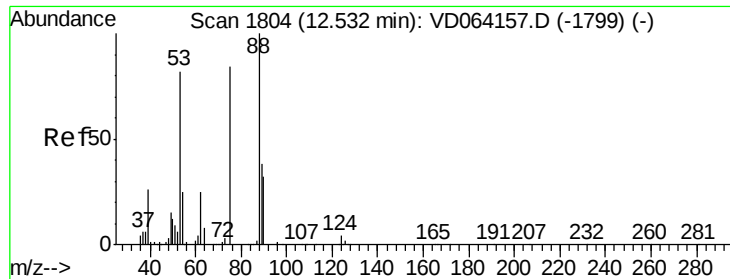
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

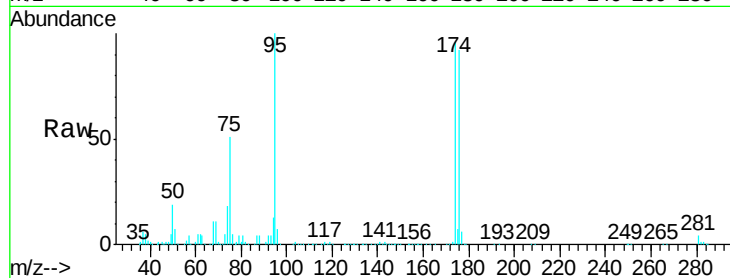




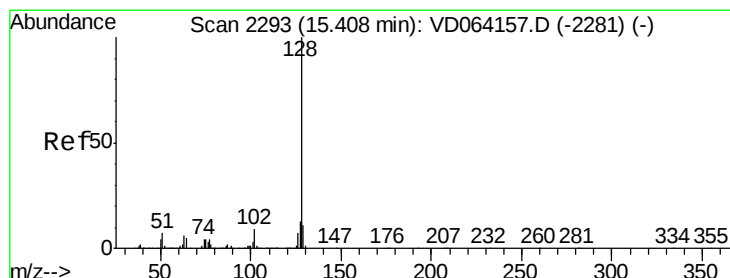
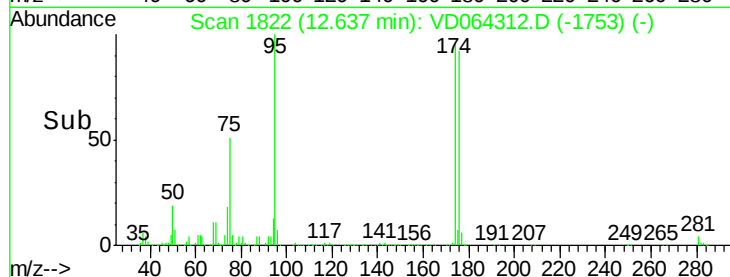
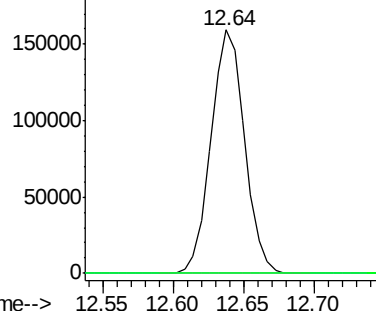
#81
trans-1,4-Dichloro-2-butene
Concen: 115.992 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD064312.D
Acq: 20 Nov 2019 14:36

Instrument :
MSVOA_D
ClientSampleId :
33RD-ST-7TH-AVE-WEST-COMP

Tgt Ion: 75 Resp: 264914
Ion Ratio Lower Upper
75 100
53 0.0 79.4 119.0#
89 0.0 36.6 55.0#

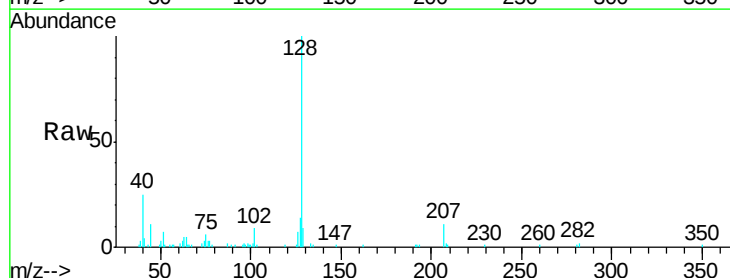


Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#95
Naphthalene
Concen: 2.157 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064312.D
Acq: 20 Nov 2019 14:36

Tgt Ion: 128 Resp: 43038
Ion Ratio Lower Upper
128 100
127 13.8 10.5 15.7
129 12.3 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

