

Data File : VD064169.D
Acq On : 08 Nov 2019 22:05
Operator : VA/SY
Sample : K5771-01
Misc : 6.90G/5.00ml/MSVOA_D/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SP

Quant Time: Nov 09 01:50:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 08 16:20:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	675122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1062010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1031755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	526285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	314510	56.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.28%	
35) Dibromofluoromethane	7.92	113	325235	53.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.70%	
50) Toluene-d8	10.34	98	1281366	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
62) 4-Bromofluorobenzene	12.64	95	483126	60.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.32%	

Target Compounds

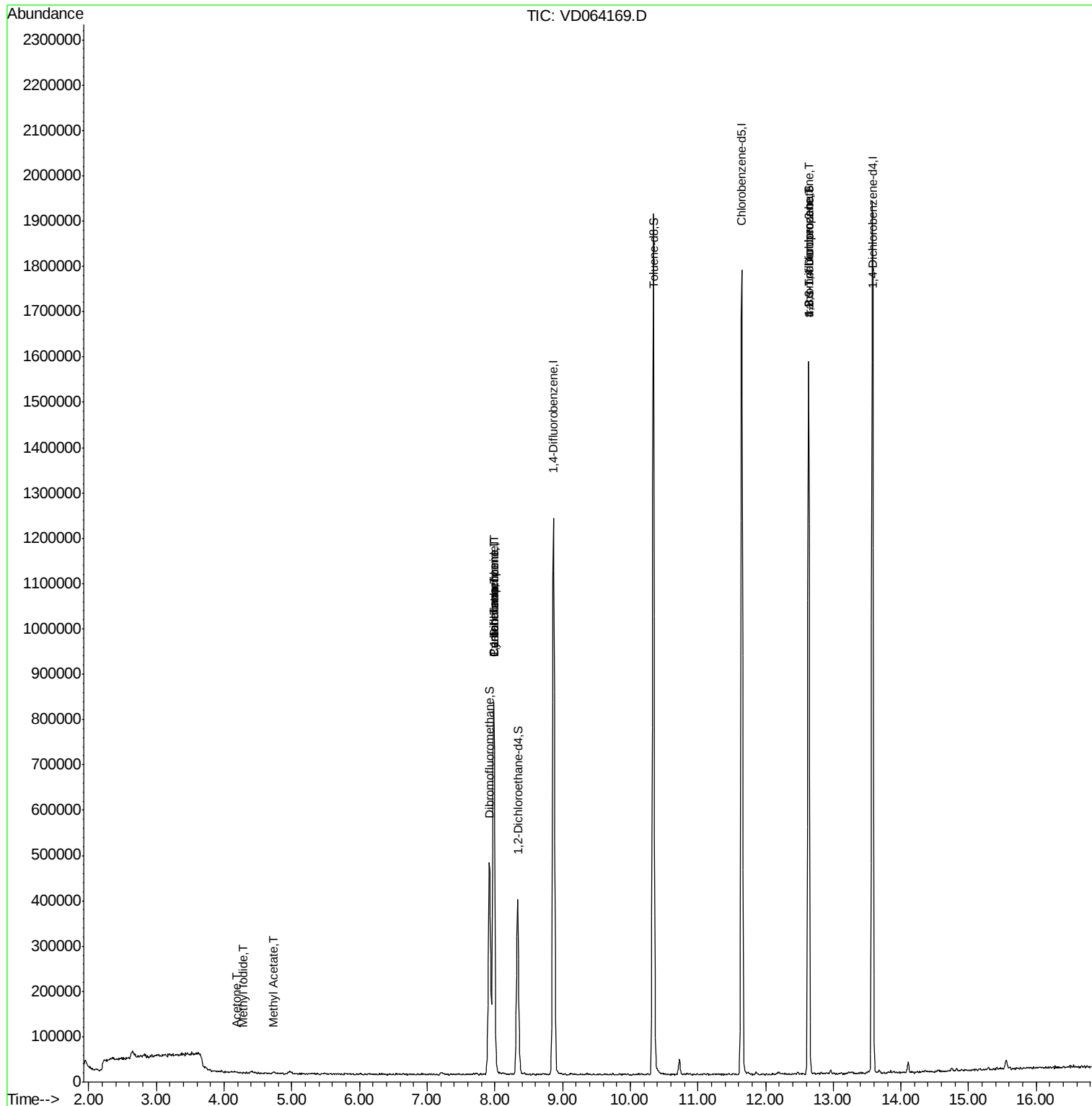
					Qvalue	
10) Methyl Iodide	4.29	142	387	2.086	ug/l #	61
11) Tert butyl alcohol	5.26	59	319	Below Cal	#	1
16) Acetone	4.18	43	6704	5.097	ug/l #	84
18) Methyl Acetate	4.73	43	3836	1.044	ug/l #	88
31) Cyclohexane	7.98	56	15733	1.444	ug/l #	45
36) 1,1-Dichloropropene	7.98	75	46471	4.741	ug/l #	51
38) Carbon Tetrachloride	7.98	117	61308	5.846	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	251593	59.351	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	251593	117.894	ug/l #	10

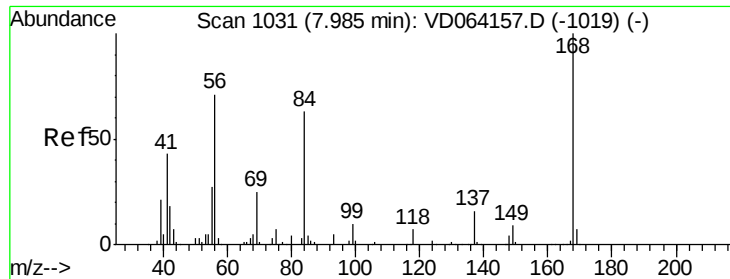
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD064169.D

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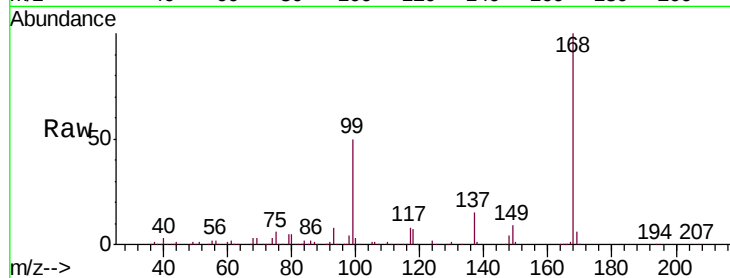
Instrument :
MSVOA_D
ClientSampleId :
SP

Tgt Ion:168 Resp: 675122

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

300000

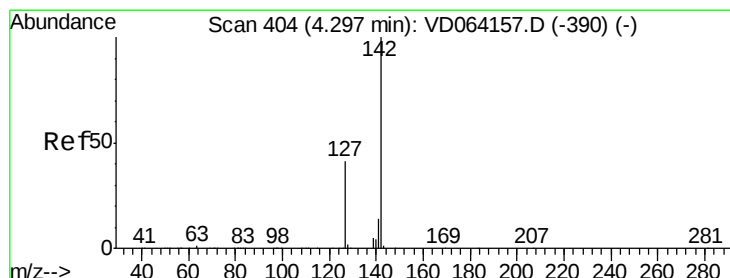
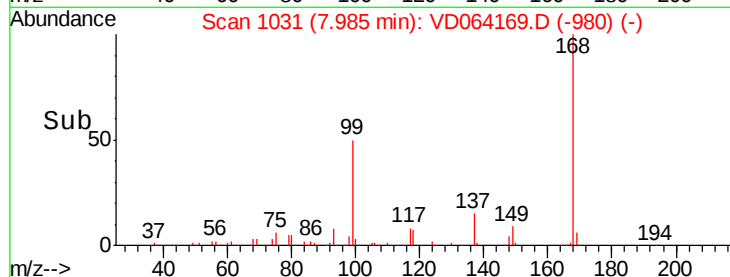
200000

100000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 2.086 ug/l

RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064169.D

Acq: 08 Nov 2019 22:05

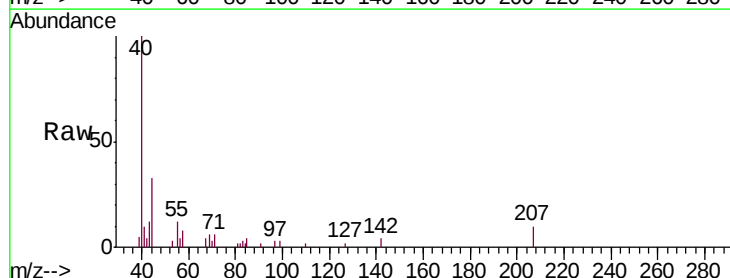
Tgt Ion:142 Resp: 387

Ion Ratio Lower Upper

142 100

127 17.3 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

4.29

400

300

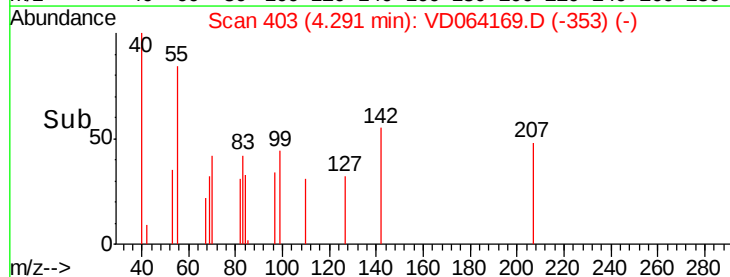
200

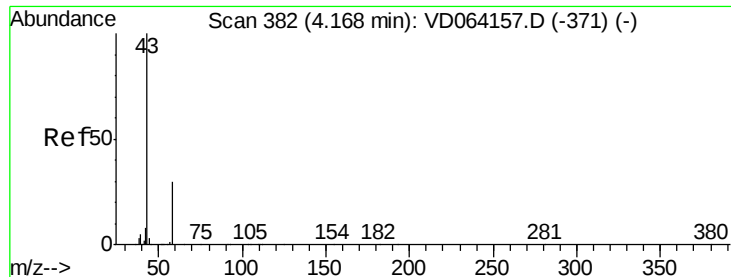
100

0

Time-->

4.26 4.28 4.30 4.32





#16

Acetone

Concen: 5.097 ug/l

RT: 4.18 min Scan# 384

Delta R.T. 0.01 min

Lab File: VD064169.D

Acq: 08 Nov 2019 22:05

Instrument :

MSVOA_D

ClientSampleId :

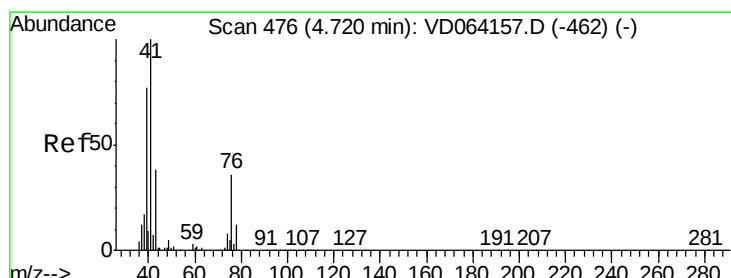
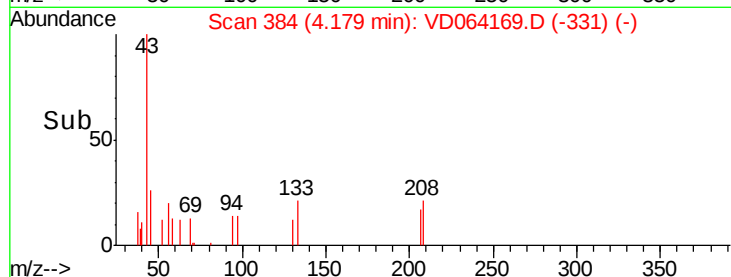
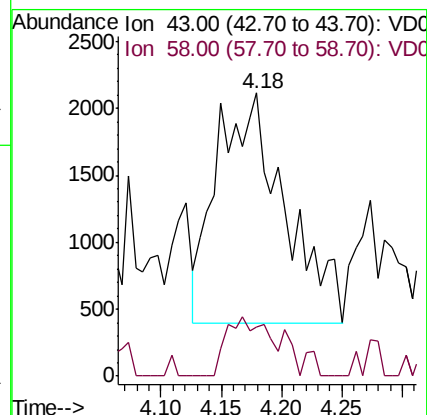
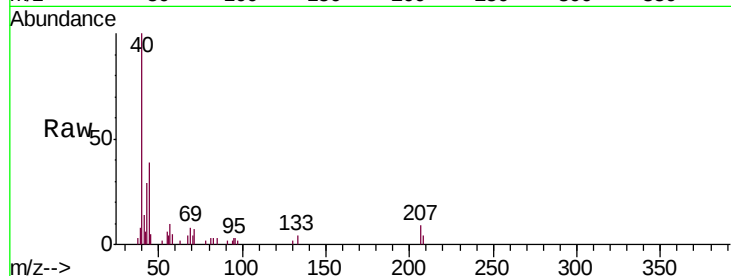
SP

Tgt Ion: 43 Resp: 6704

Ion Ratio Lower Upper

43 100

58 21.3 24.1 36.1#



#18

Methyl Acetate

Concen: 1.044 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064169.D

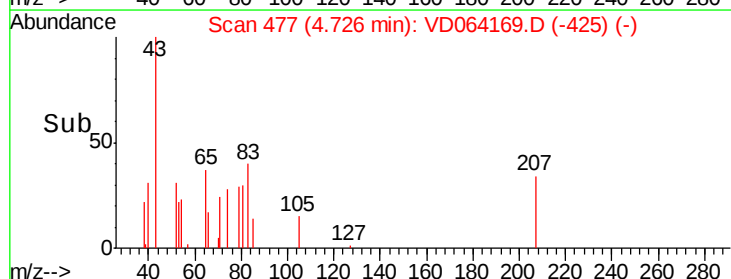
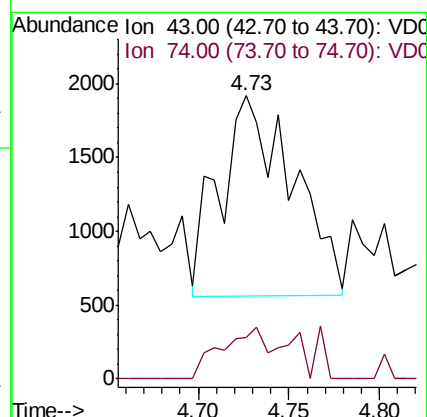
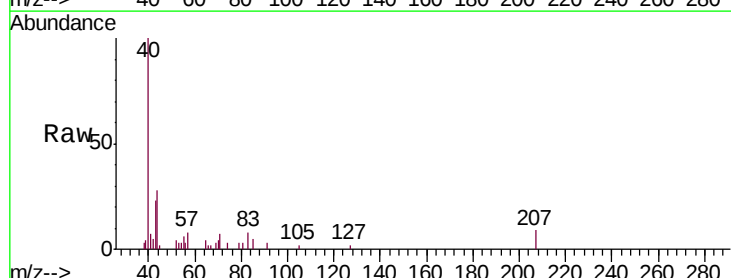
Acq: 08 Nov 2019 22:05

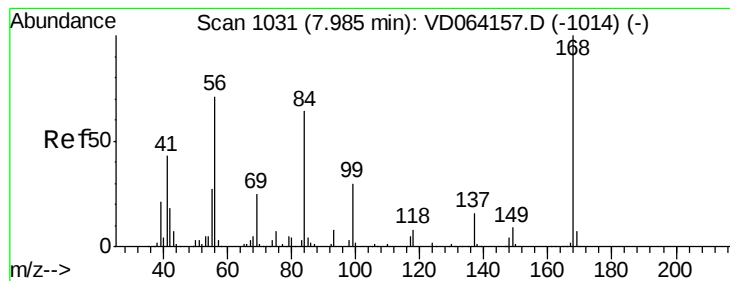
Tgt Ion: 43 Resp: 3836

Ion Ratio Lower Upper

43 100

74 17.2 18.4 27.6#





#31

Cyclohexane

Concen: 1.444 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064169.D

Acq: 08 Nov 2019 22:05

Instrument :

MSVOA_D

ClientSampleId :

SP

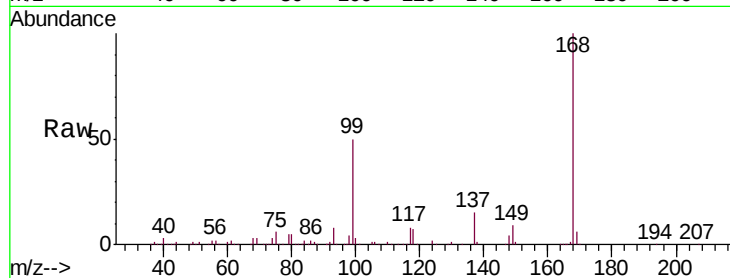
Tgt Ion: 56 Resp: 15733

Ion Ratio Lower Upper

56 100

69 135.3 28.2 42.4#

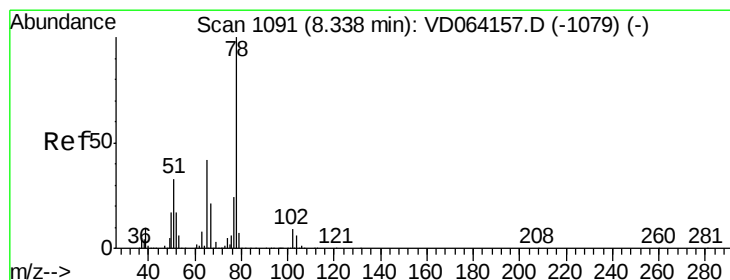
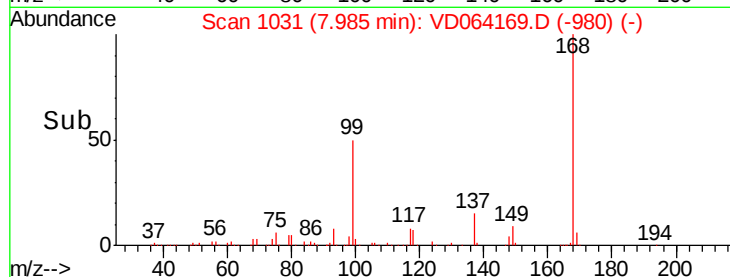
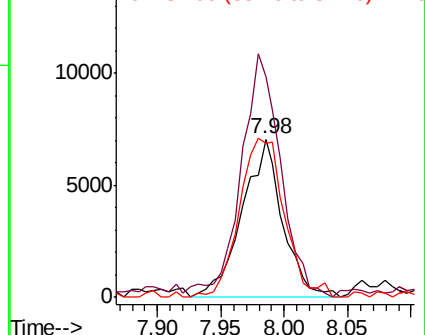
84 97.7 71.8 107.6



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: 56.643 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064169.D

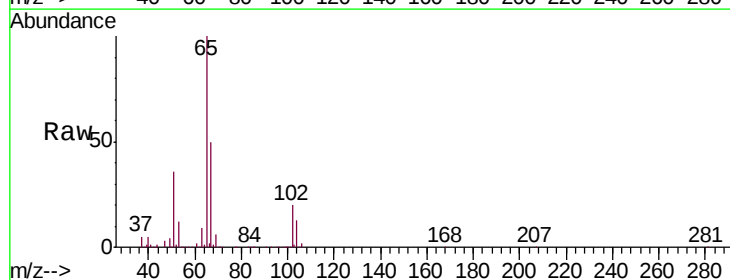
Acq: 08 Nov 2019 22:05

Tgt Ion: 65 Resp: 314510

Ion Ratio Lower Upper

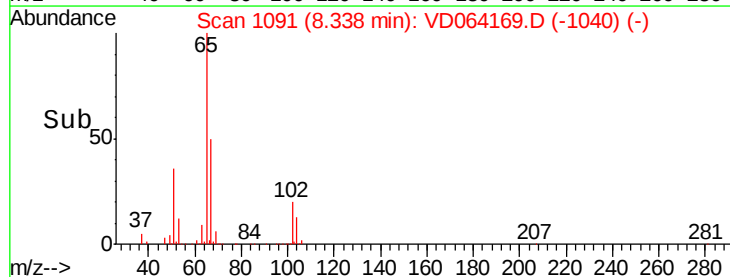
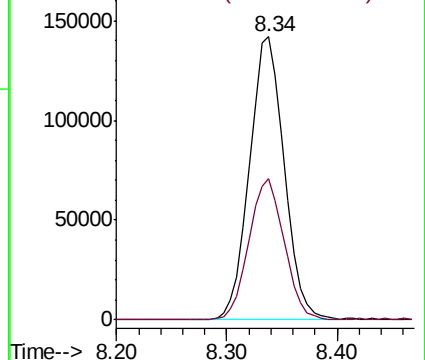
65 100

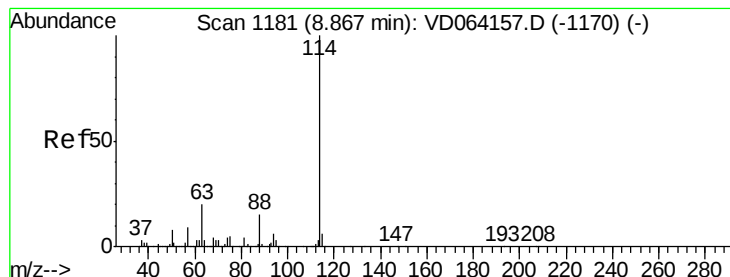
67 50.8 0.0 104.4



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: VD064169.D

Acq: 08 Nov 2019 22:05

Instrument :

MSVOA_D

ClientSampleId :

SP

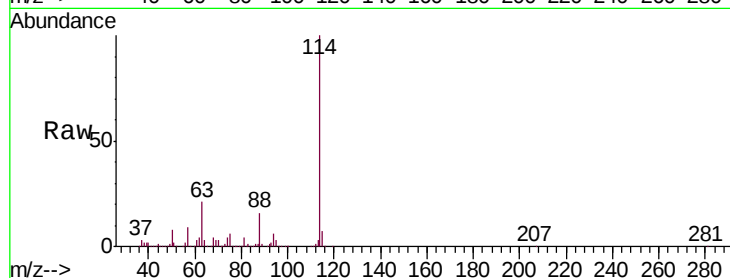
Tgt Ion:114 Resp: 1062010

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

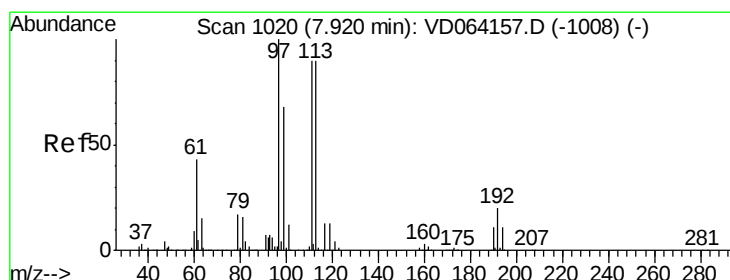
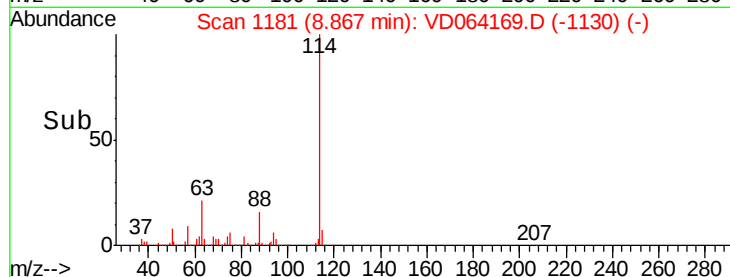
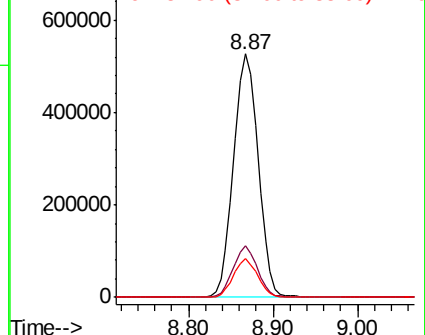
88 15.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC



#35

Dibromofluoromethane

Concen: 53.351 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064169.D

Acq: 08 Nov 2019 22:05

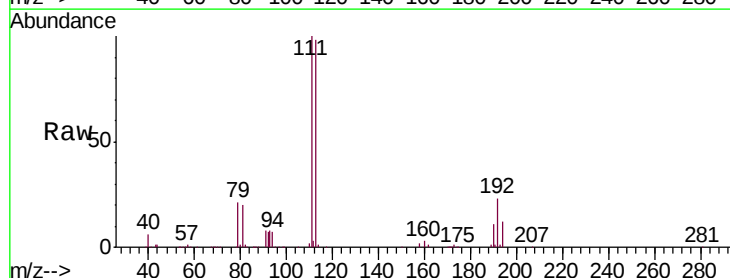
Tgt Ion:113 Resp: 325235

Ion Ratio Lower Upper

113 100

111 102.7 81.5 122.3

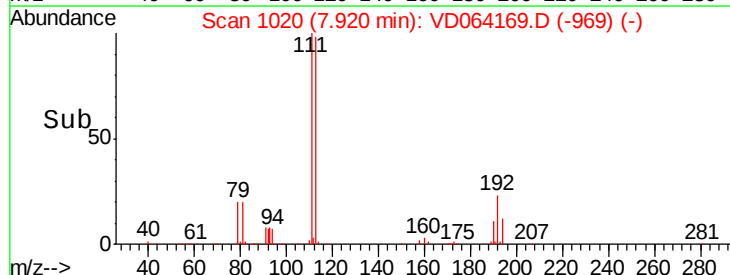
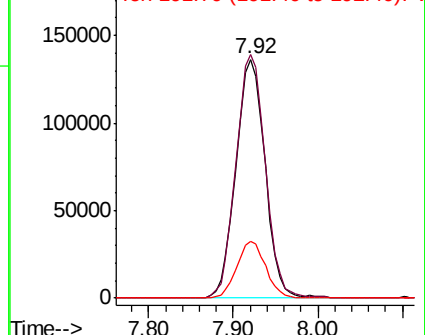
192 23.6 18.8 28.2

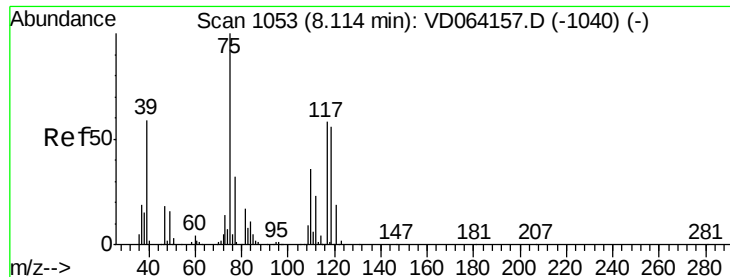


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.741 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD064169.D

Acq: 08 Nov 2019 22:05

Instrument :

MSVOA_D

ClientSampleId :

SP

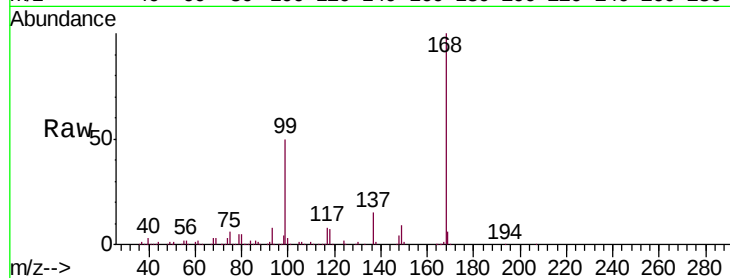
Tgt Ion: 75 Resp: 46471

Ion Ratio Lower Upper

75 100

110 10.4 18.3 54.9#

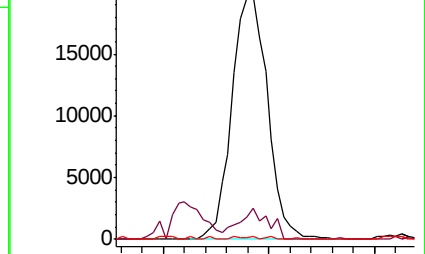
77 0.6 25.0 37.6#



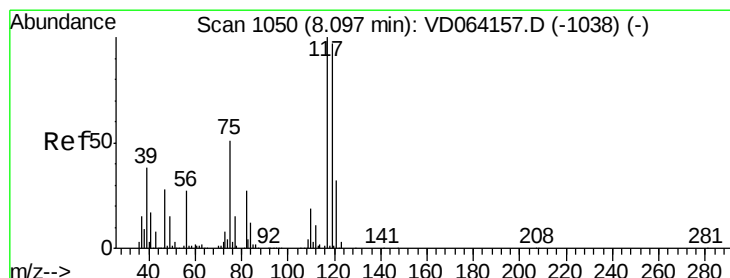
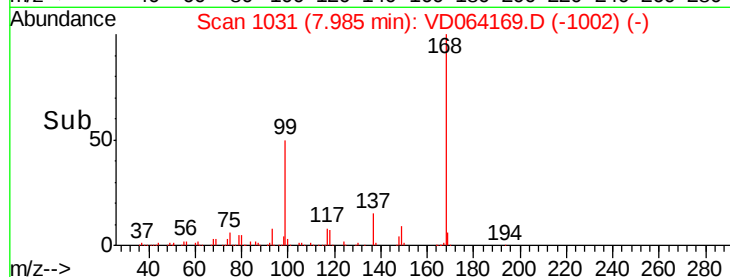
Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



Time-->



#38

Carbon Tetrachloride

Concen: 5.846 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064169.D

Acq: 08 Nov 2019 22:05

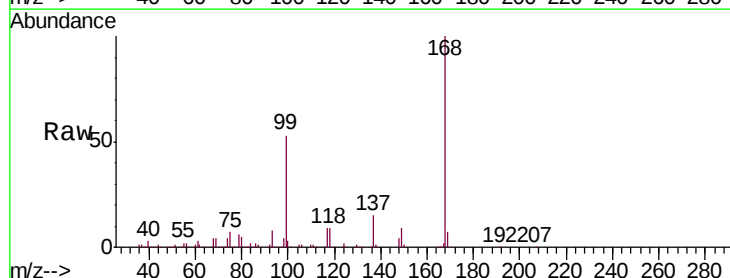
Tgt Ion: 117 Resp: 61308

Ion Ratio Lower Upper

117 100

119 3.6 77.2 115.8#

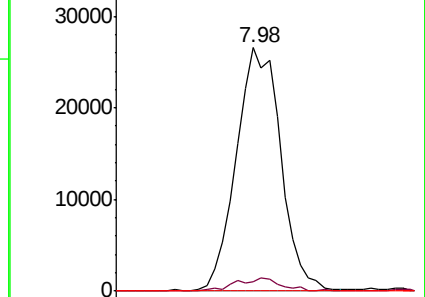
121 0.0 25.5 38.3#



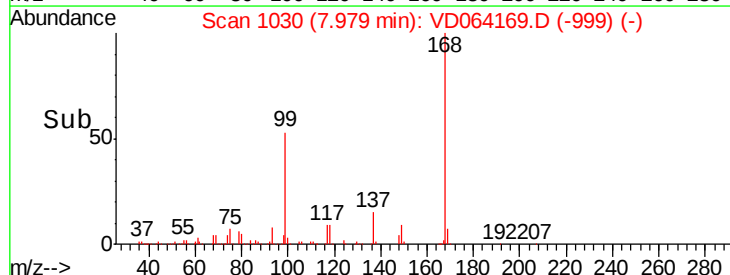
Abundance Ion 116.80 (116.50 to 117.50): V

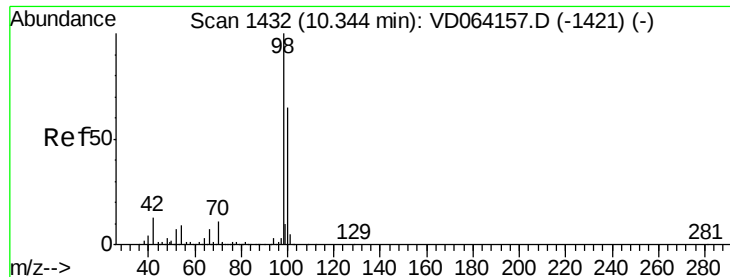
Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



Time-->

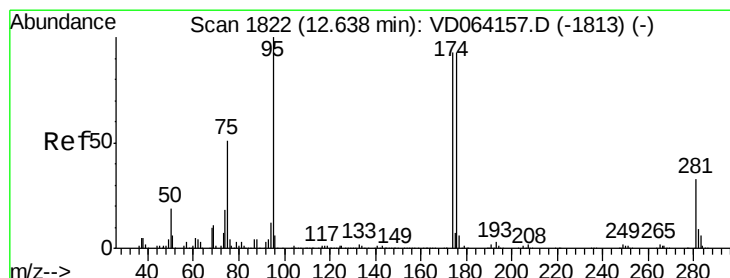
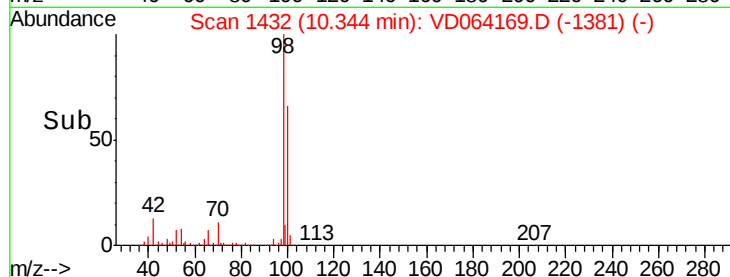
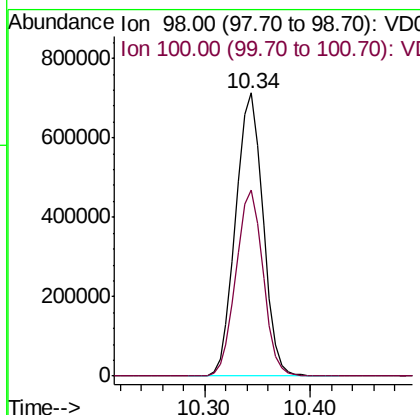
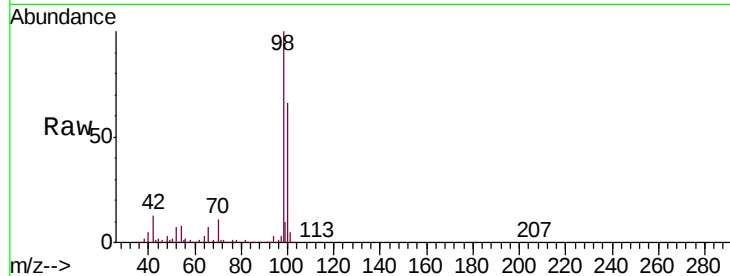




#50
Toluene-d8
Concen: 55.719 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064169.D
Acq: 08 Nov 2019 22:05

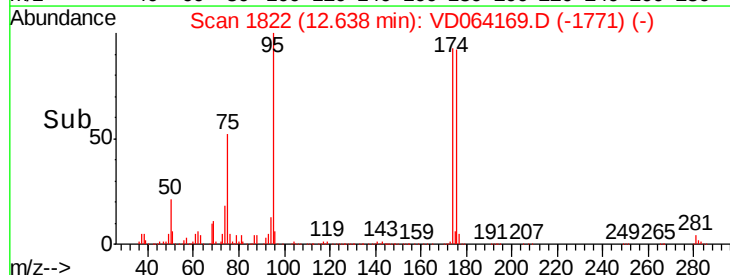
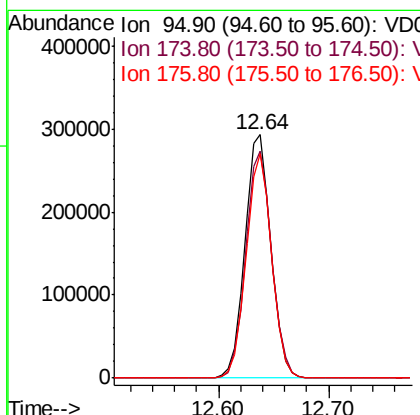
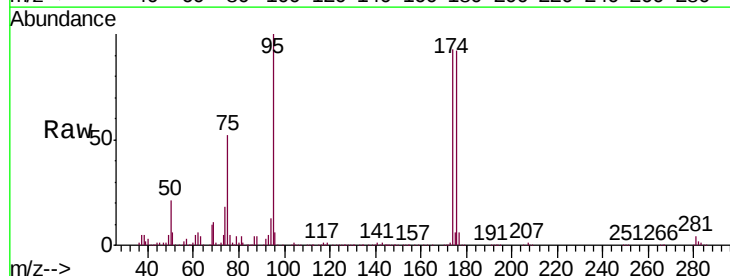
Instrument :
MSVOA_D
ClientSampled :
SP

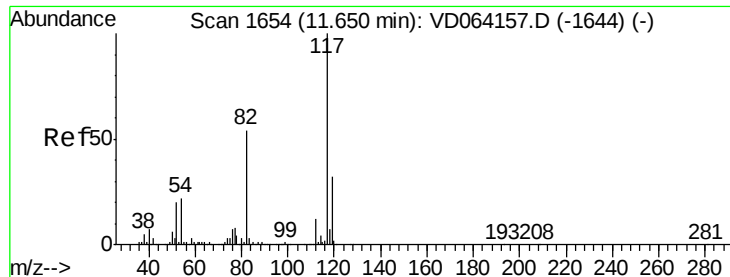
Tgt Ion: 98 Resp: 1281366
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 60.663 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064169.D
Acq: 08 Nov 2019 22:05

Tgt Ion: 95 Resp: 483126
Ion Ratio Lower Upper
95 100
174 93.4 0.0 183.6
176 90.3 0.0 180.2

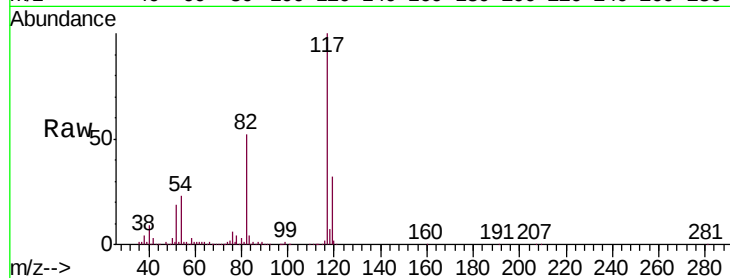




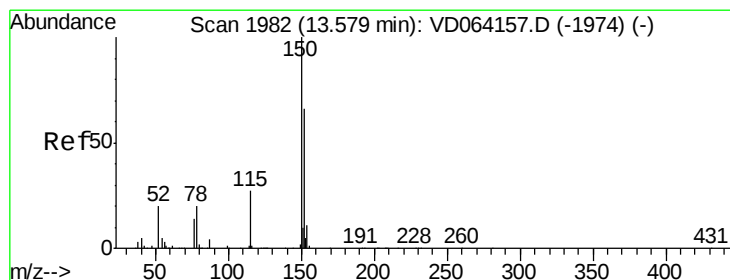
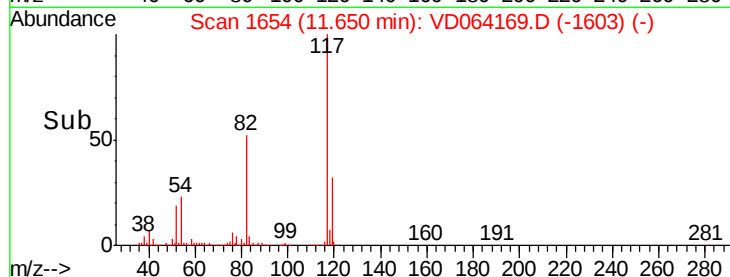
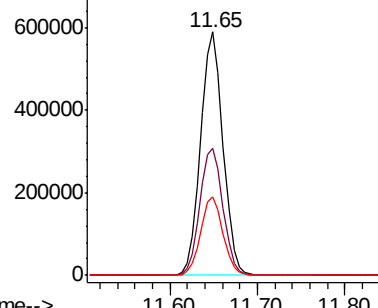
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064169.D
Acq: 08 Nov 2019 22:05

Instrument :
MSVOA_D
ClientSampleId :
SP

Tgt Ion:117 Resp: 1031755
Ion Ratio Lower Upper
117 100
82 52.1 42.8 64.2
119 32.1 25.6 38.4

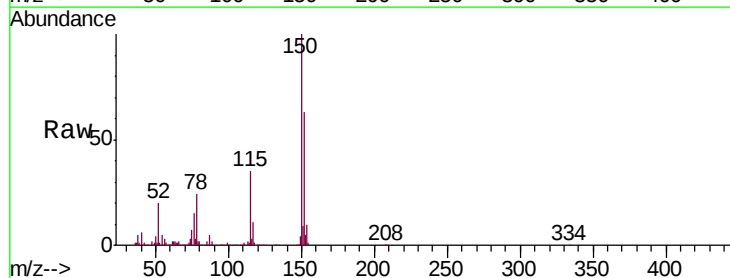


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

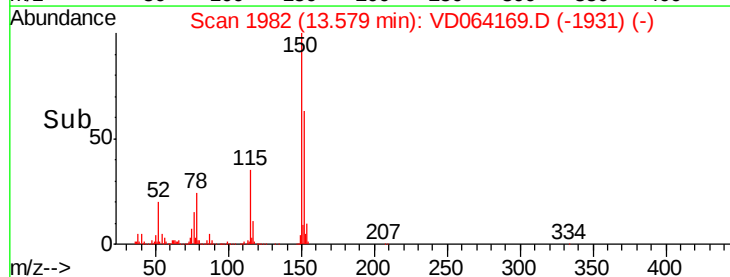
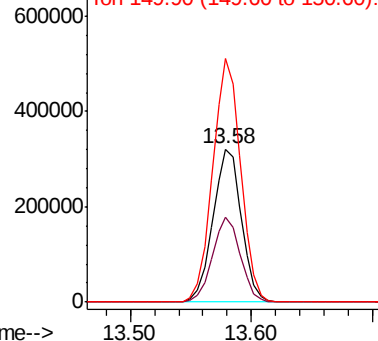


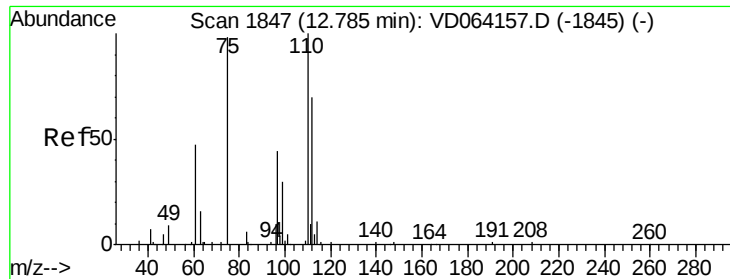
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064169.D
Acq: 08 Nov 2019 22:05

Tgt Ion:152 Resp: 526285
Ion Ratio Lower Upper
152 100
115 54.3 27.4 82.2
150 156.7 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

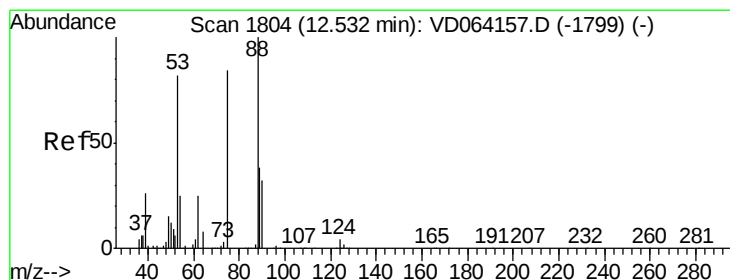
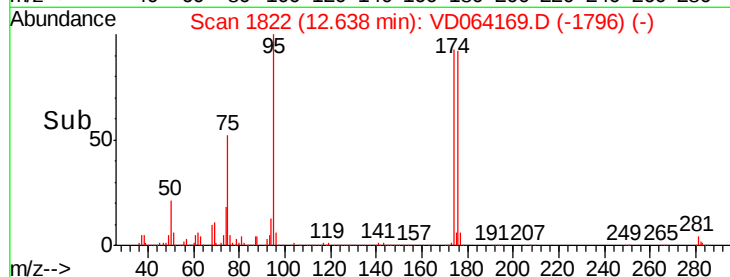
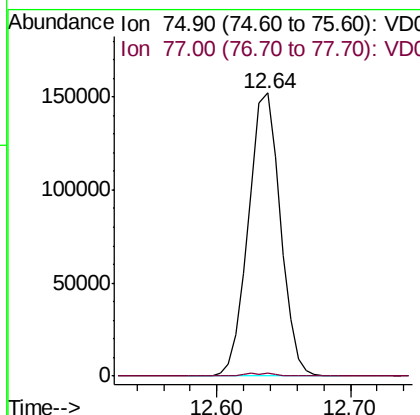
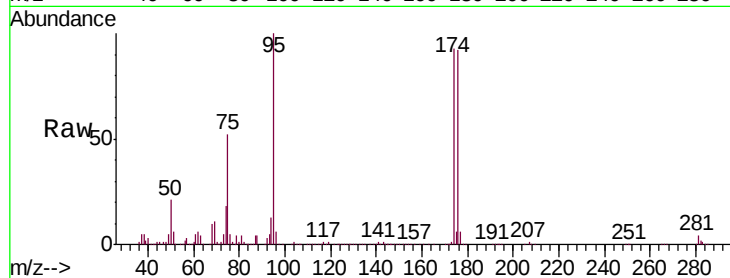




#76
 1,2,3-Trichloropropane
 Concen: 59.351 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD064169.D
 Acq: 08 Nov 2019 22:05

Instrument :
 MSVOA_D
 ClientSampleId :
 SP

Tgt Ion: 75 Resp: 251593
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.894 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD064169.D
 Acq: 08 Nov 2019 22:05

Tgt Ion: 75 Resp: 251593
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.4 119.0#
 89 0.0 36.6 55.0#

