

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD121619\
 Data File : VD064525.D
 Acq On : 16 Dec 2019 16:03
 Operator : VA/SY
 Sample : K6325-01
 Misc : 5.24G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RT-3860

Quant Time: Dec 17 01:54:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	391367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	618848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290995	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	183849	51.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.80%	
35) Dibromofluoromethane	7.92	113	192565	49.39	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.78%	
50) Toluene-d8	10.34	98	741847	50.51	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.64	95	260417	55.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	110.34%	

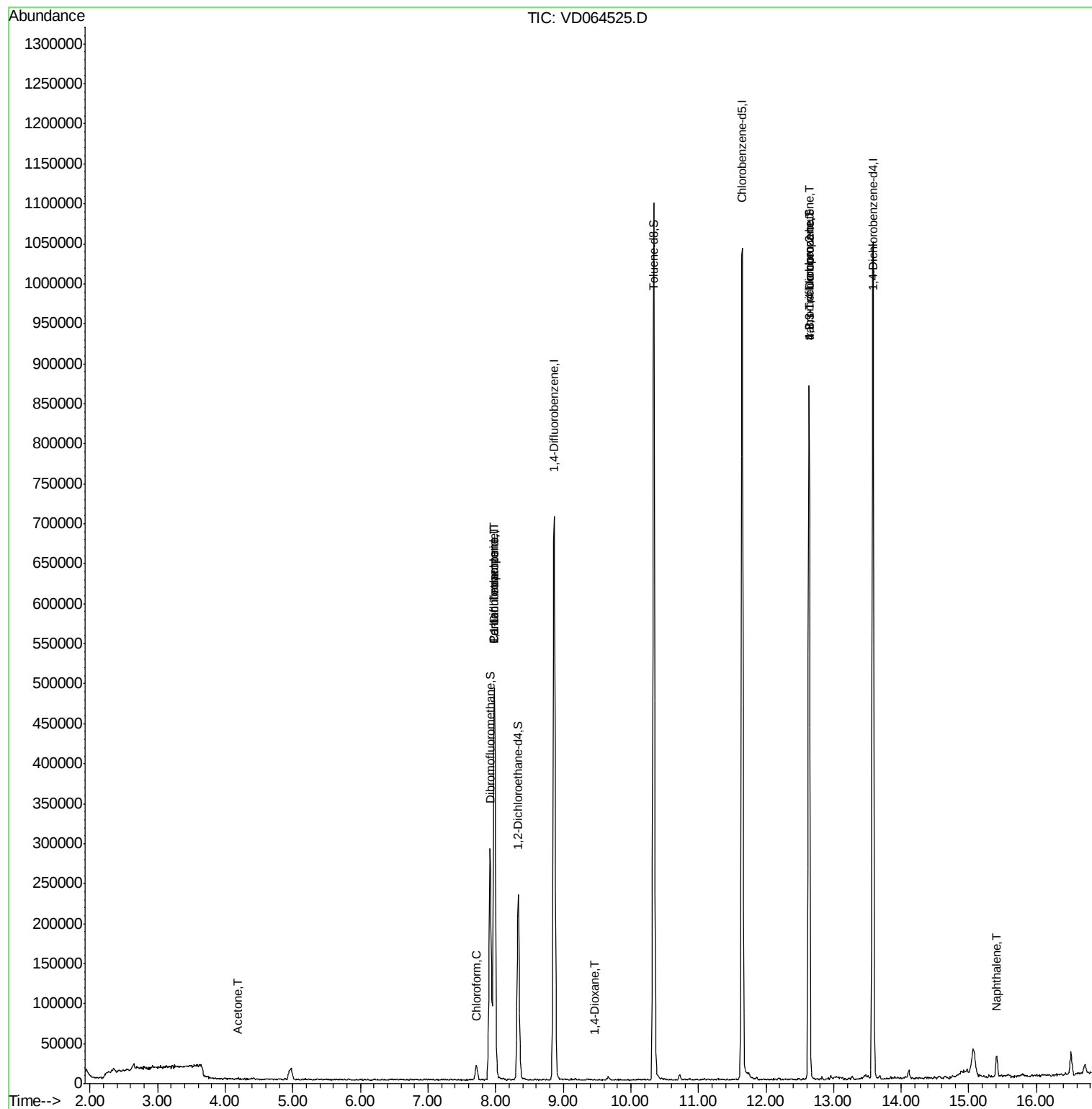
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.17	43	1502	2.098	ug/l #	47
20) Methylene Chloride	4.96	84	10660	Below Cal	#	86
30) Chloroform	7.71	83	17556	2.594	ug/l	96
31) Cyclohexane	7.98	56	7940	Below Cal	#	26
36) 1,1-Dichloropropene	7.98	75	27917	4.769	ug/l #	49
38) Carbon Tetrachloride	7.98	117	34999	5.665	ug/l #	14
49) 1,4-Dioxane	9.46	88	58	2.140	ug/l #	40
76) 1,2,3-Trichloropropane	12.64	75	139435	58.267	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	139435	127.052	ug/l #	9
95) Naphthalene	15.41	128	23982	2.238	ug/l #	95

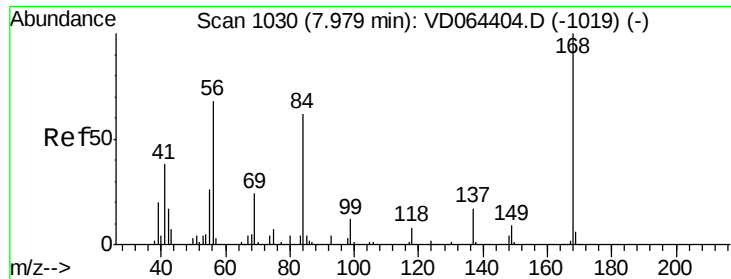
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD121619\
Data File : VD064525.D
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Misc : 5.24G/5.00ml/MSVOA_D/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RT-3860

Quant Time: Dec 17 01:54:39 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampled :

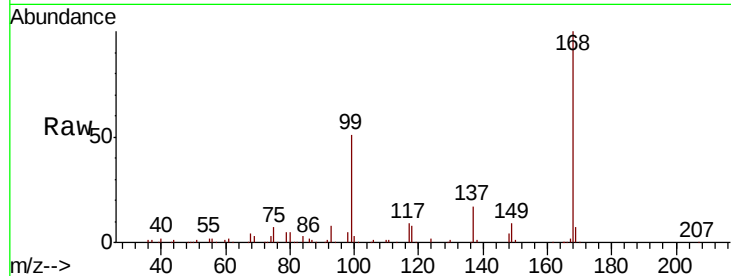
RT-3860

Tgt Ion:168 Resp: 391367

Ion Ratio Lower Upper

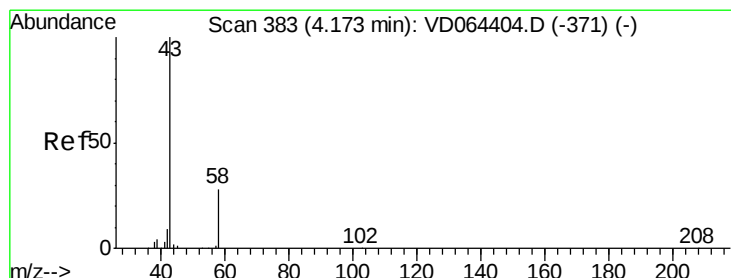
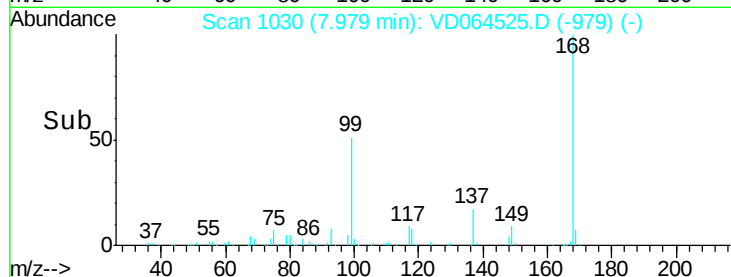
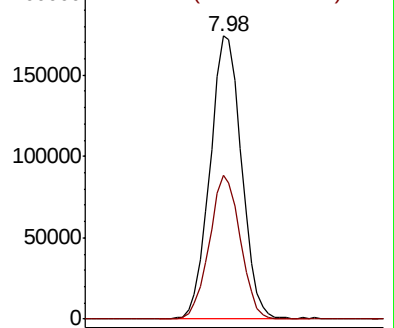
168 100

99 50.6 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#16

Acetone

Concen: 2.098 ug/l

RT: 4.17 min Scan# 383

Delta R.T. 0.00 min

Lab File: VD064525.D

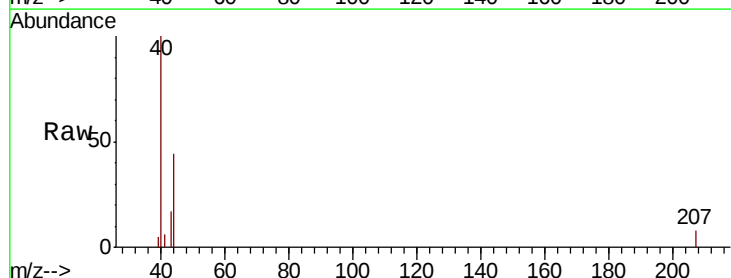
Acq: 16 Dec 2019 16:03

Tgt Ion: 43 Resp: 1502

Ion Ratio Lower Upper

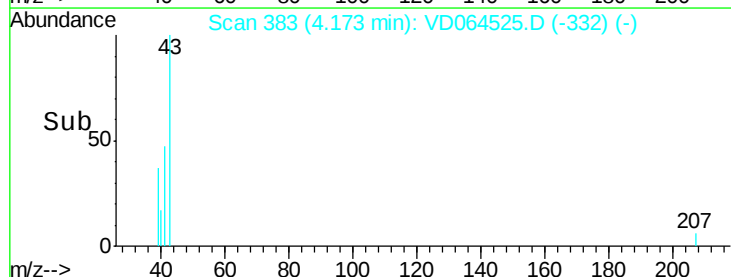
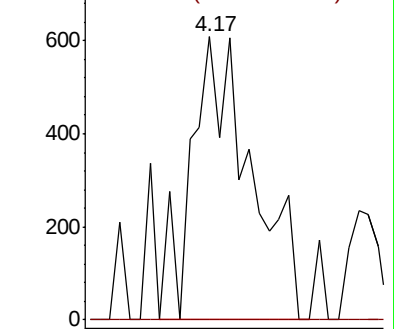
43 100

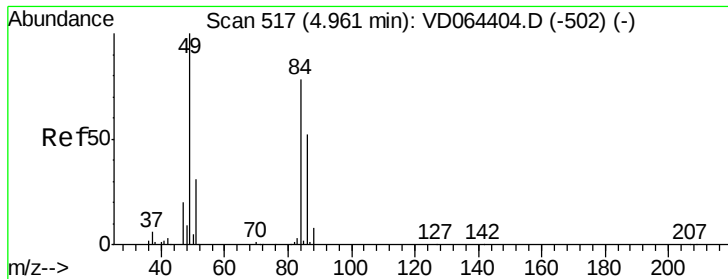
58 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

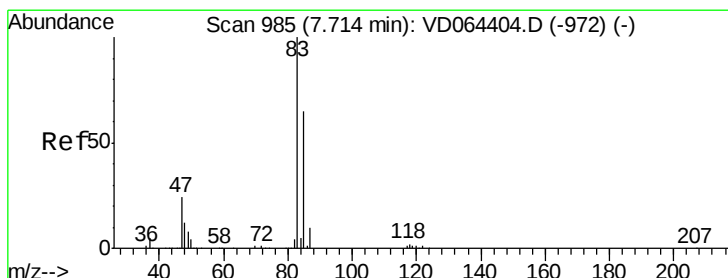
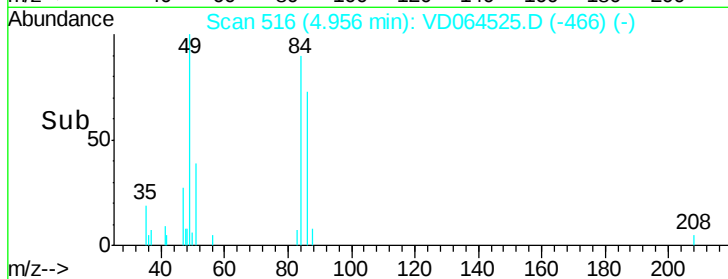
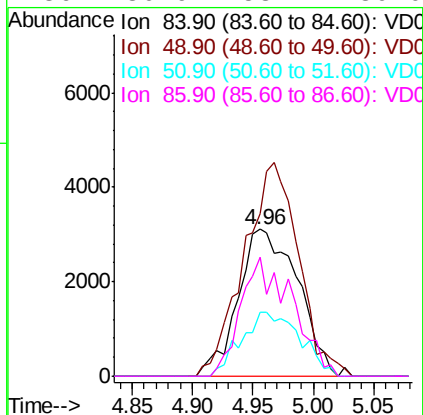
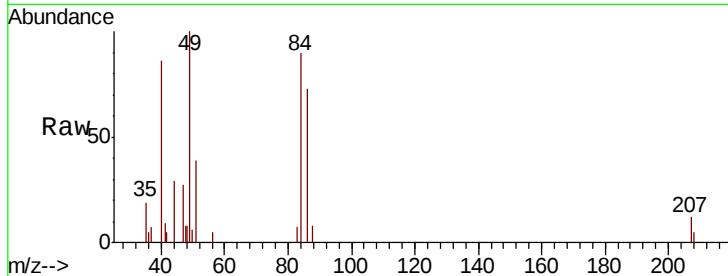




#20
Methylene Chloride
Concen: Below Cal
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064525.D
Acq: 16 Dec 2019 16:03

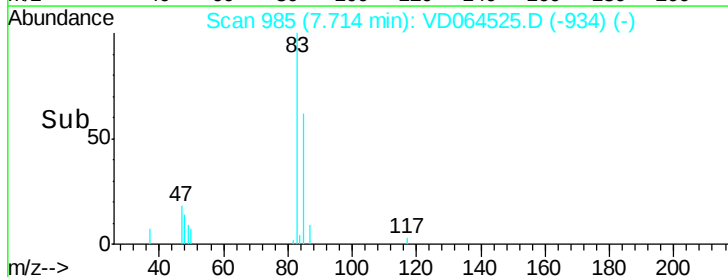
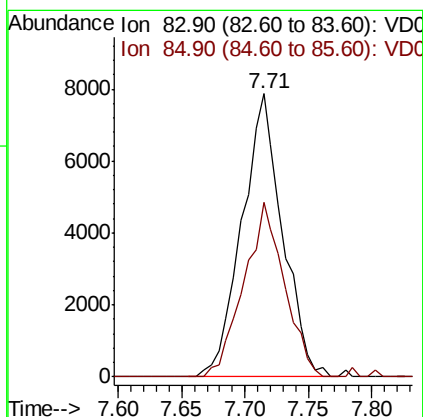
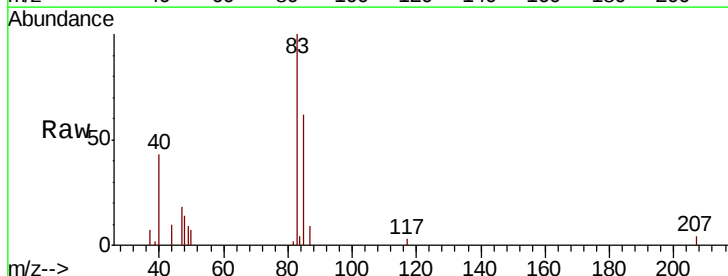
Instrument :
MSVOA_D
ClientSampleId :
RT-3860

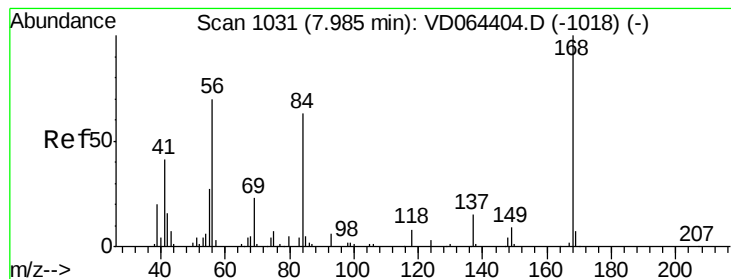
Tgt Ion: 84 Resp: 10660
Ion Ratio Lower Upper
84 100
49 110.9 102.6 153.8
51 43.4 32.0 48.0
86 80.9 53.4 80.0#



#30
Chloroform
Concen: 2.594 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064525.D
Acq: 16 Dec 2019 16:03

Tgt Ion: 83 Resp: 17556
Ion Ratio Lower Upper
83 100
85 61.5 51.8 77.6





#31

Cyclohexane

Concen: Below Cal

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

RT-3860

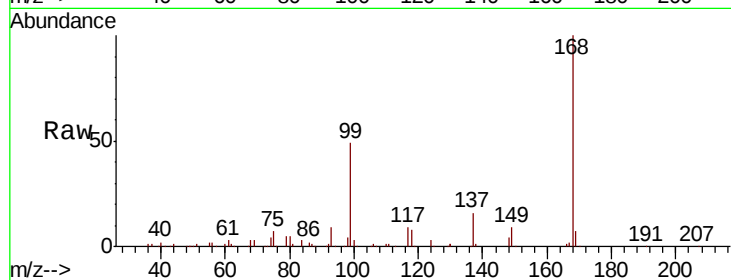
Tgt Ion: 56 Resp: 7940

Ion Ratio Lower Upper

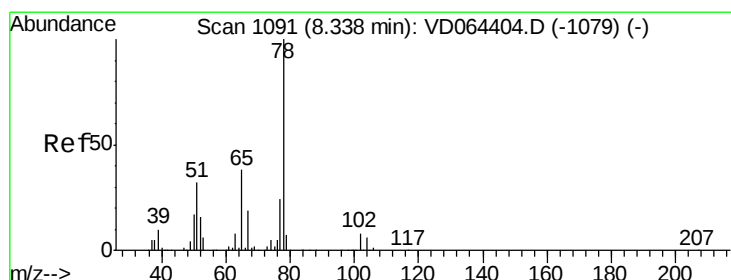
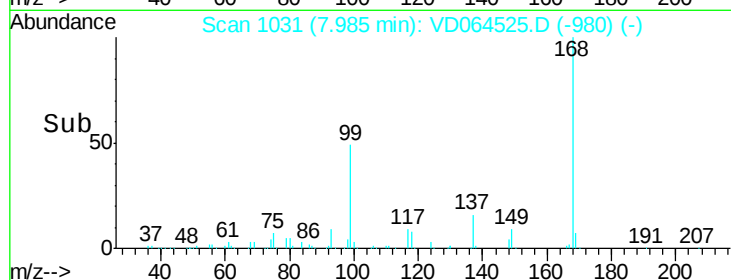
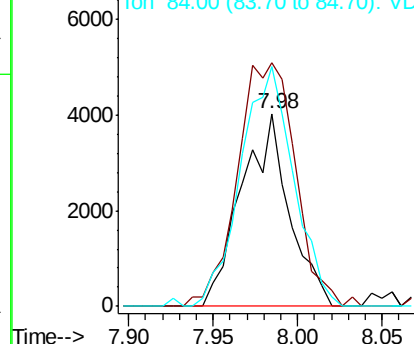
56 100

69 126.3 26.2 39.4#

84 124.6 70.3 105.5#



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: 51.899 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064525.D

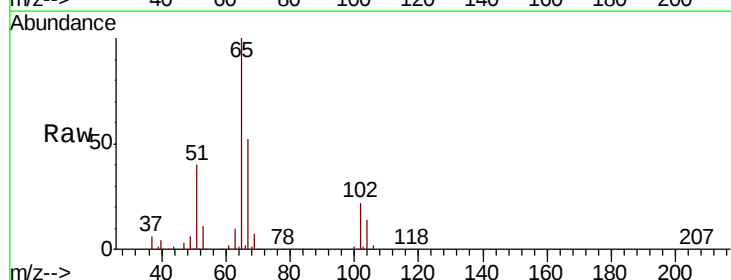
Acq: 16 Dec 2019 16:03

Tgt Ion: 65 Resp: 183849

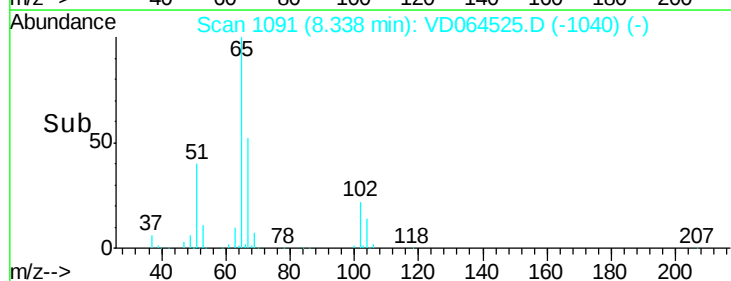
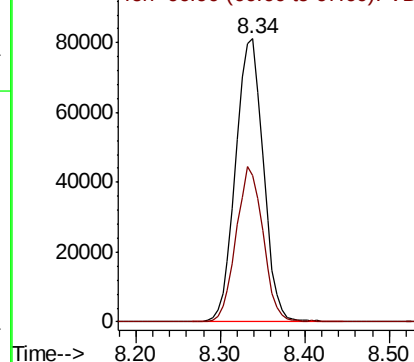
Ion Ratio Lower Upper

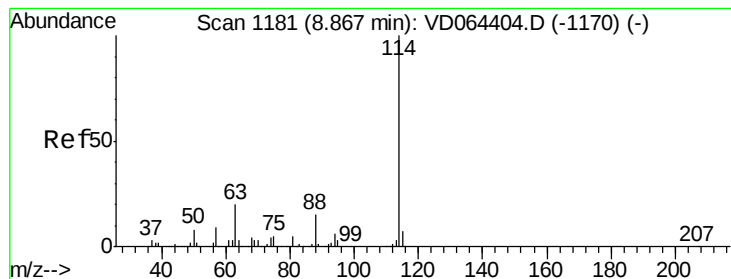
65 100

67 53.0 0.0 102.0



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: VD064525.D

Acq: 16 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

RT-3860

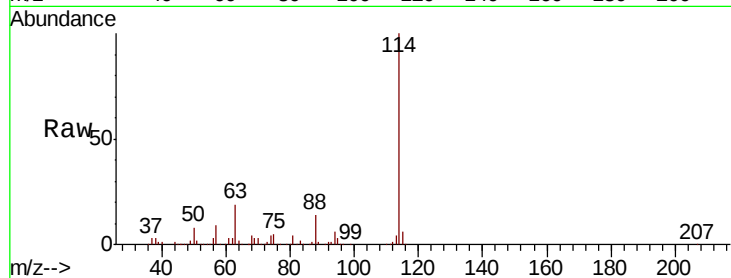
Tgt Ion:114 Resp: 618848

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.0

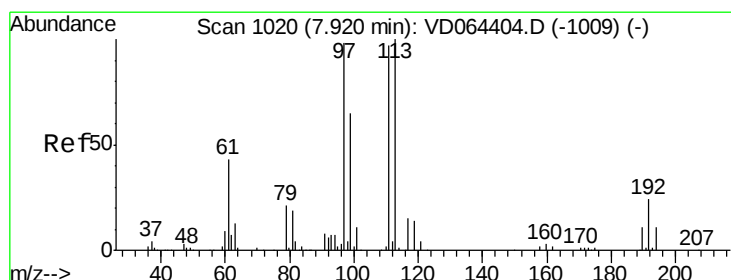
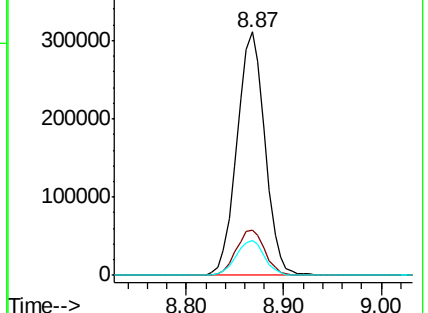
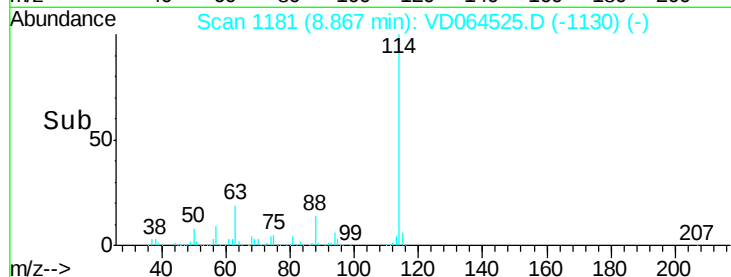
88 14.2 0.0 29.2



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: 49.388 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

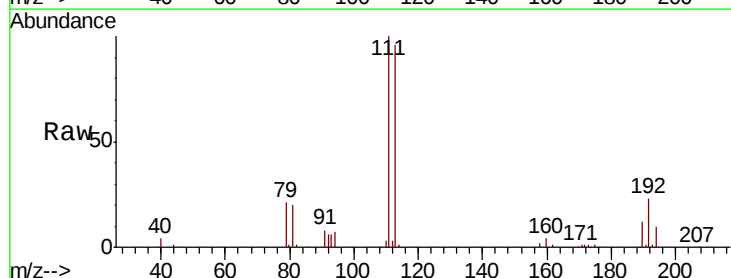
Tgt Ion:113 Resp: 192565

Ion Ratio Lower Upper

113 100

111 105.4 79.4 119.2

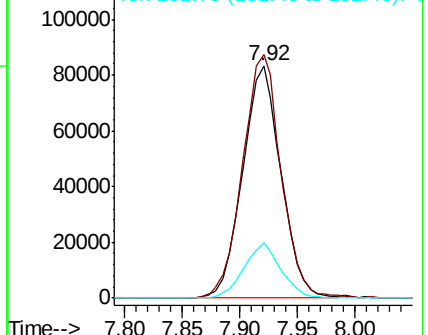
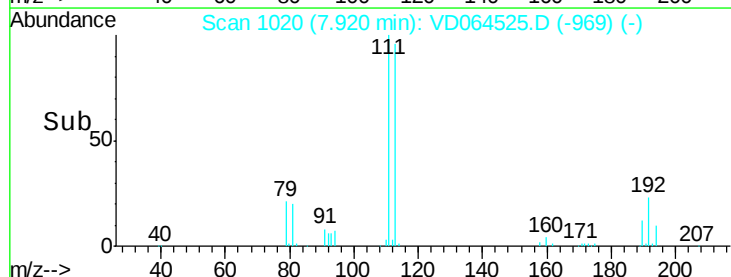
192 22.8 18.6 28.0

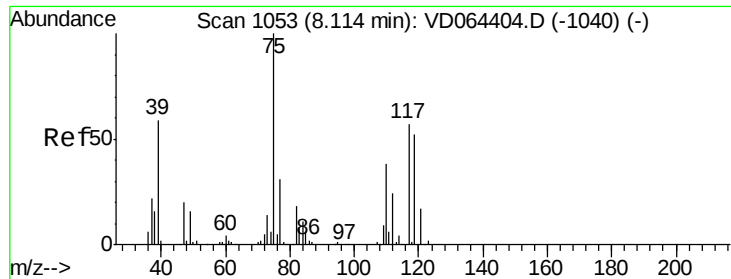


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.769 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

RT-3860

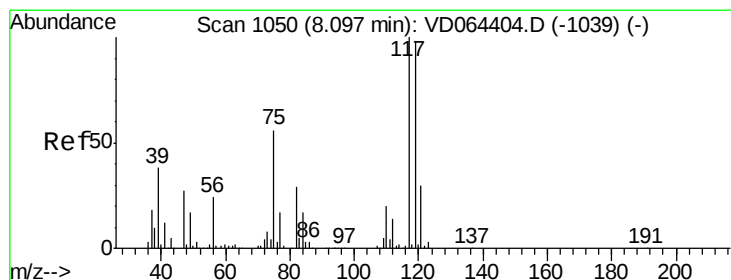
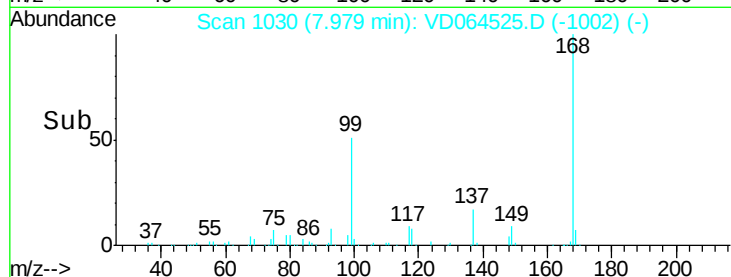
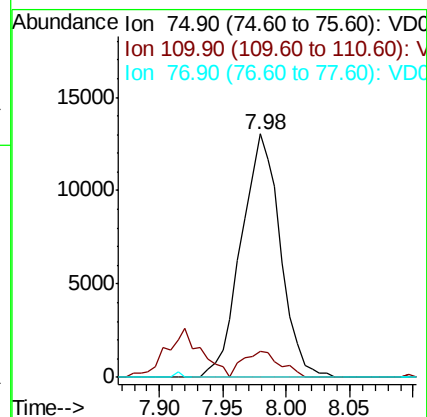
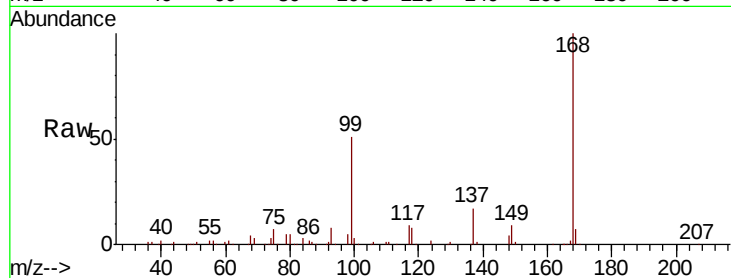
Tgt Ion: 75 Resp: 27917

Ion Ratio Lower Upper

75 100

110 10.1 18.6 55.8#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.665 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.12 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

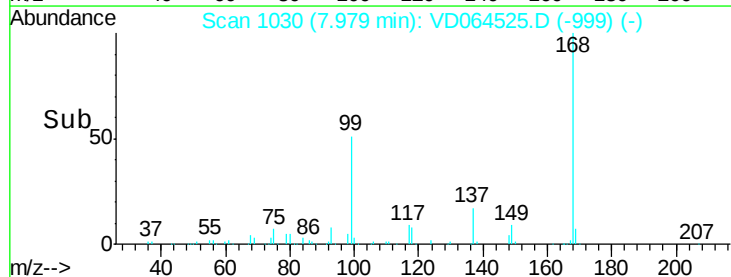
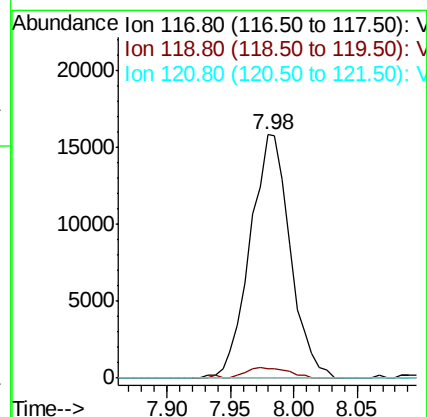
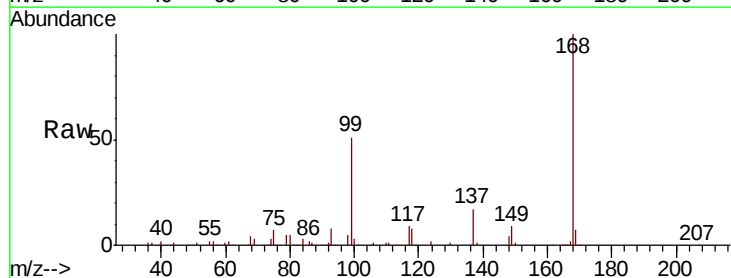
Tgt Ion: 117 Resp: 34999

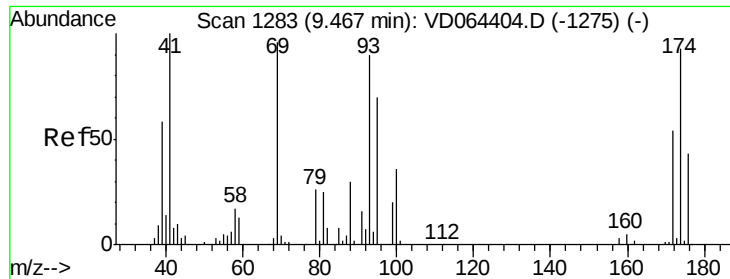
Ion Ratio Lower Upper

117 100

119 4.0 78.8 118.2#

121 0.0 24.2 36.2#

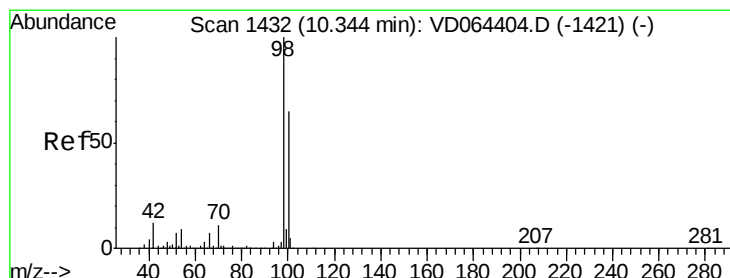
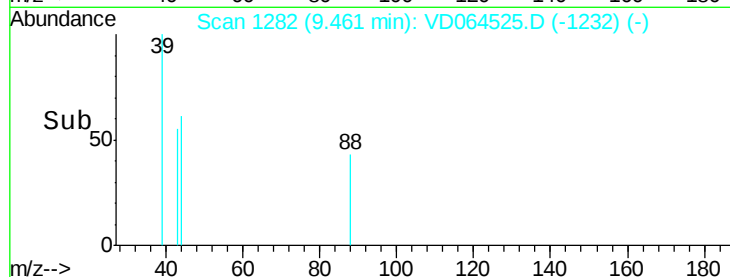
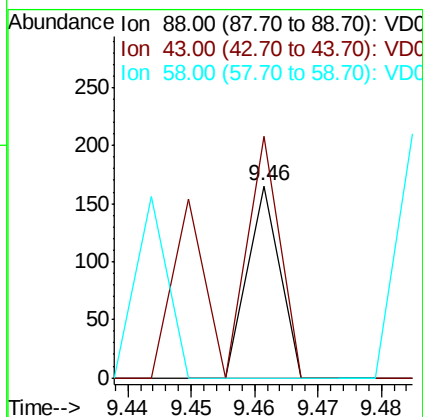
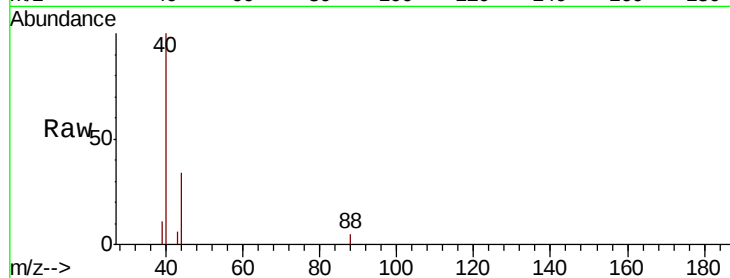




#49
1,4-Dioxane
Concen: 2.140 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064525.D
Acq: 16 Dec 2019 16:03

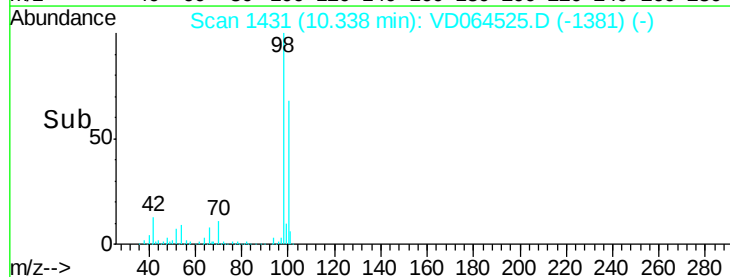
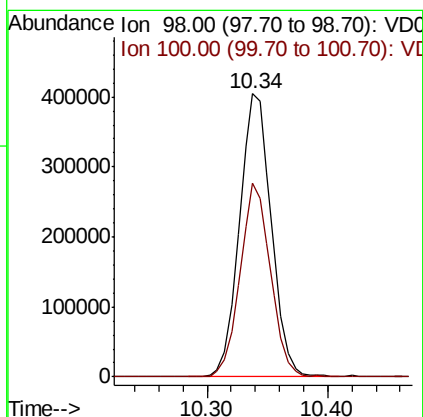
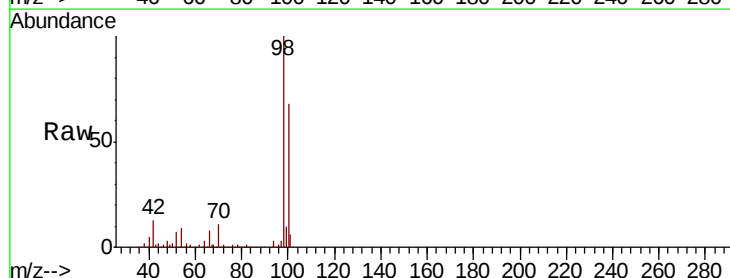
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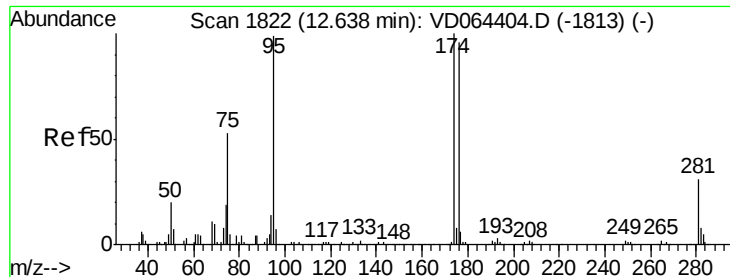
Tgt Ion: 88 Resp: 58
Ion Ratio Lower Upper
88 100
43 93.1 26.7 40.1#
58 94.8 52.3 78.5#



#50
Toluene-d8
Concen: 50.509 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064525.D
Acq: 16 Dec 2019 16:03

Tgt Ion: 98 Resp: 741847
Ion Ratio Lower Upper
98 100
100 65.2 52.6 79.0

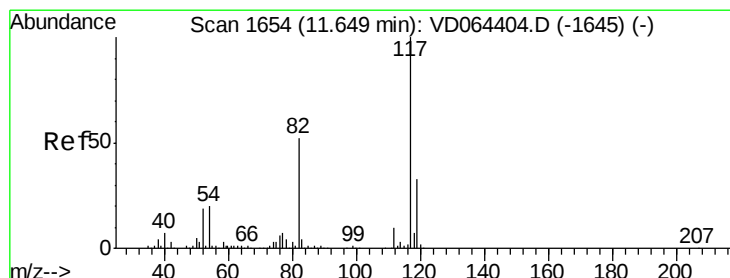
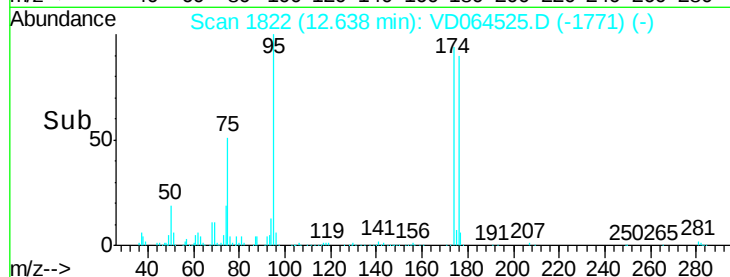
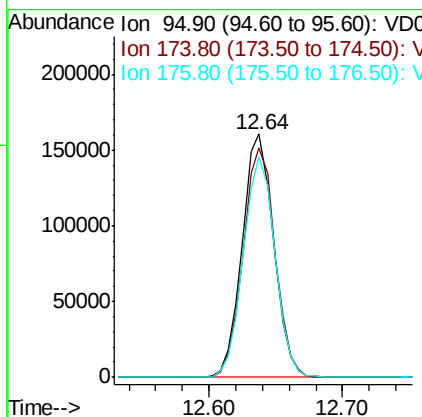
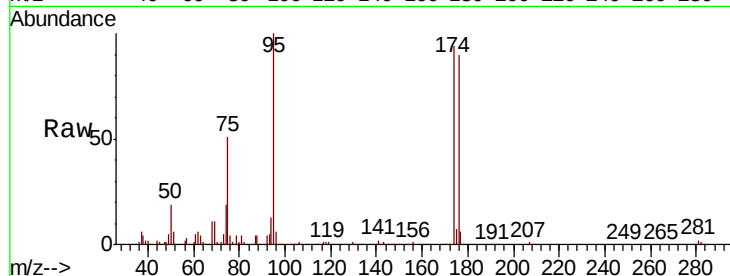




#62
4-Bromofluorobenzene
Concen: 55.172 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064525.D
Acq: 16 Dec 2019 16:03

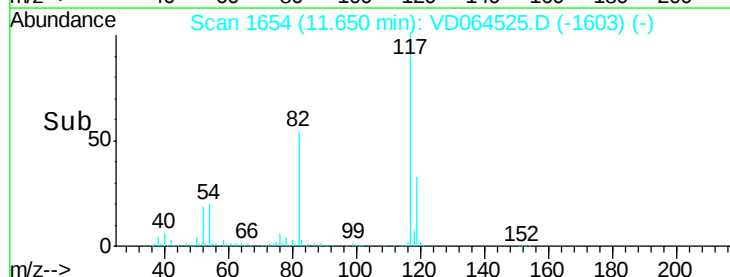
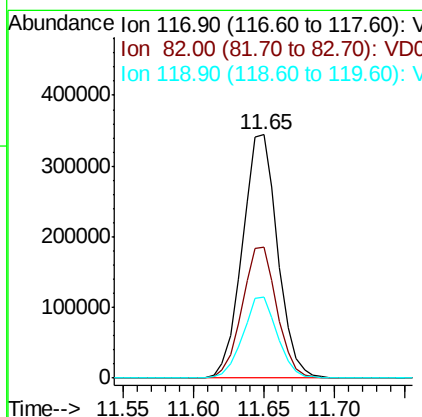
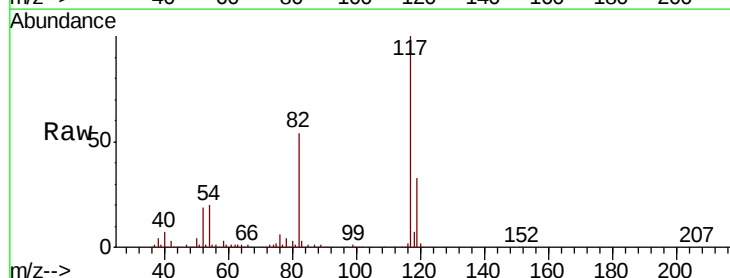
Instrument :
MSVOA_D
ClientSampleId :
RT-3860

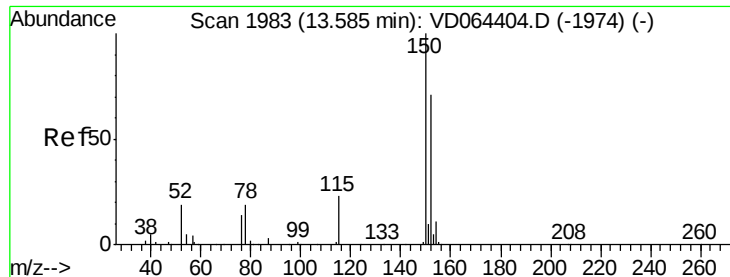
Tgt Ion: 95 Resp: 260417
Ion Ratio Lower Upper
95 100
174 95.4 0.0 197.2
176 91.4 0.0 189.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064525.D
Acq: 16 Dec 2019 16:03

Tgt Ion: 117 Resp: 602285
Ion Ratio Lower Upper
117 100
82 54.0 41.4 62.2
119 33.4 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampleId :

RT-3860

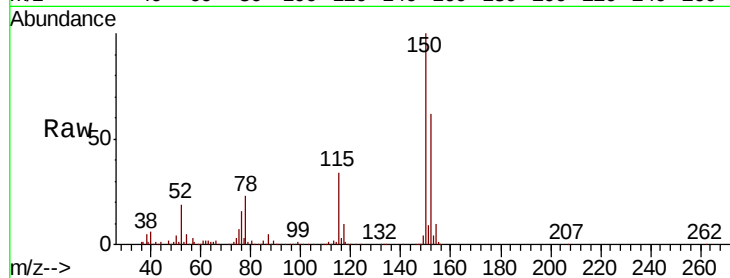
Tgt Ion: 152 Resp: 290995

Ion Ratio Lower Upper

152 100

115 54.5 26.7 80.1

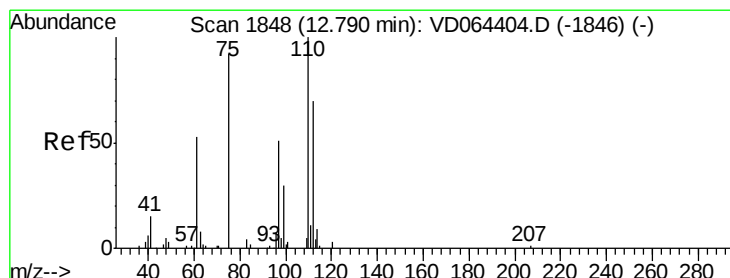
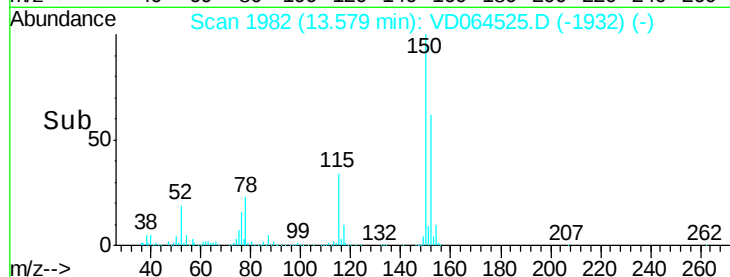
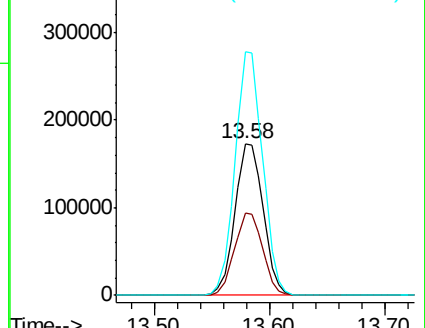
150 157.9 0.0 347.2



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: 58.267 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD064525.D

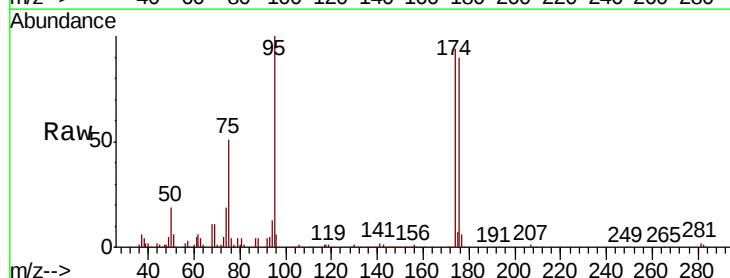
Acq: 16 Dec 2019 16:03

Tgt Ion: 75 Resp: 139435

Ion Ratio Lower Upper

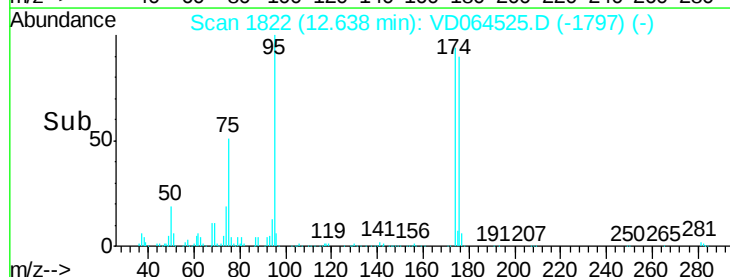
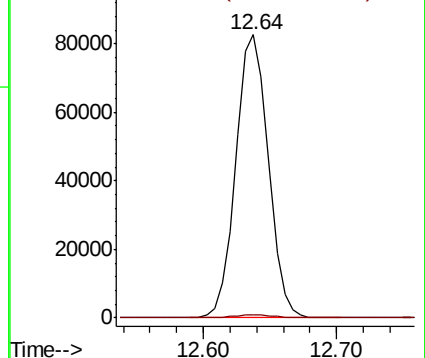
75 100

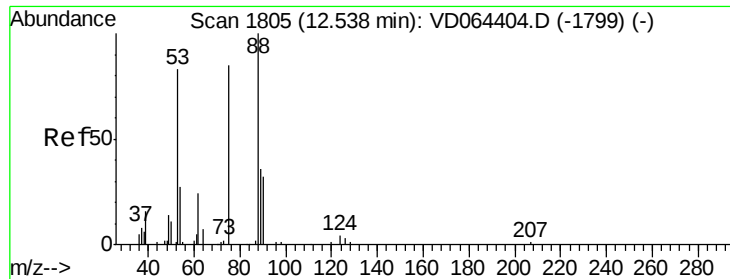
77 1.3 0.0 0.0#



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: 127.052 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.10 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

Instrument :

MSVOA_D

ClientSampled :

RT-3860

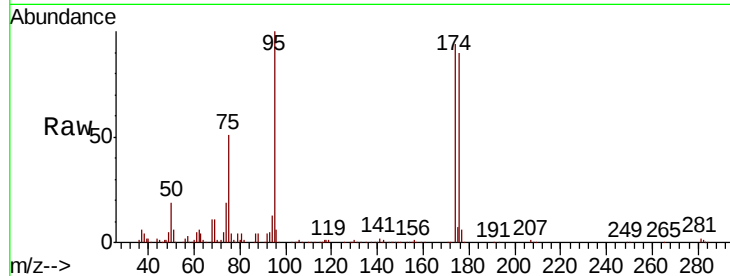
Tgt Ion: 75 Resp: 139435

Ion Ratio Lower Upper

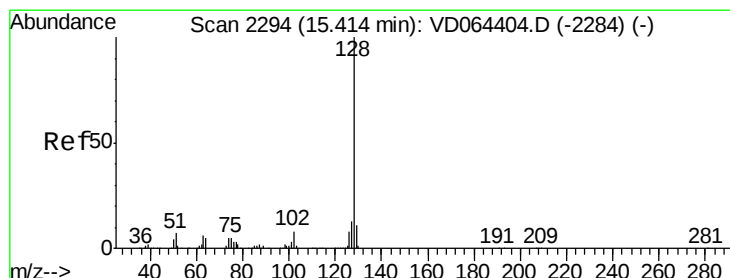
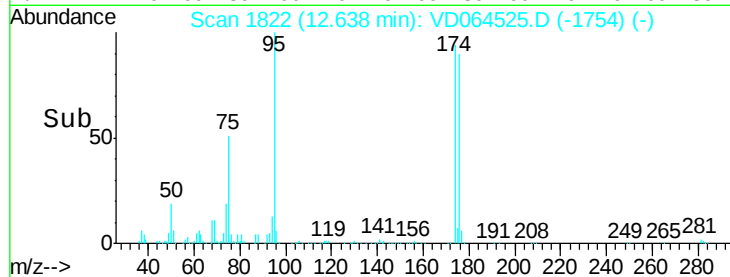
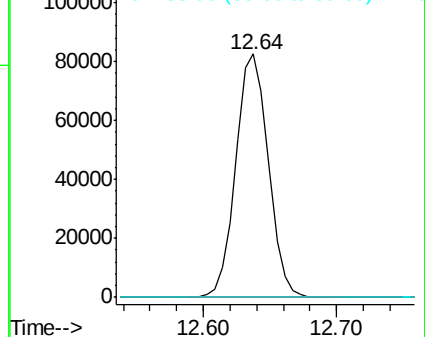
75 100

53 0.0 81.0 121.6#

89 0.0 38.5 57.7#



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: 2.238 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064525.D

Acq: 16 Dec 2019 16:03

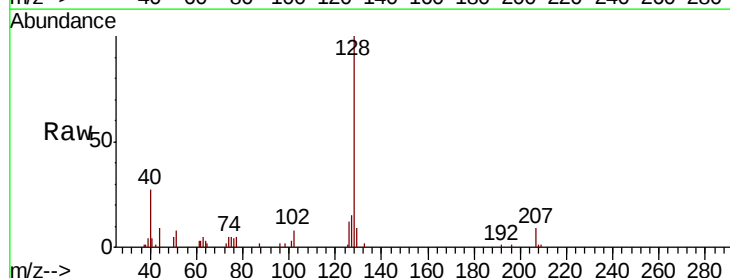
Tgt Ion: 128 Resp: 23982

Ion Ratio Lower Upper

128 100

127 15.8 10.5 15.7#

129 11.7 8.8 13.2



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

