

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066050.D
 Acq On : 24 Jul 2020 16:34
 Operator : VA/SY
 Sample : L3408-01
 Misc : 6.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PS-DRUM

Quant Time: Jul 24 23:54:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	286032	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	457064	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	470693	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255343	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	121021	52.00	ug/l	0.00
Spiked Amount			Recovery	=	104.00%	
35) Dibromofluoromethane	7.92	113	138064	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
50) Toluene-d8	10.34	98	543523	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	
62) 4-Bromofluorobenzene	12.64	95	220293	61.52	ug/l	0.00
Spiked Amount			Recovery	=	123.04%	

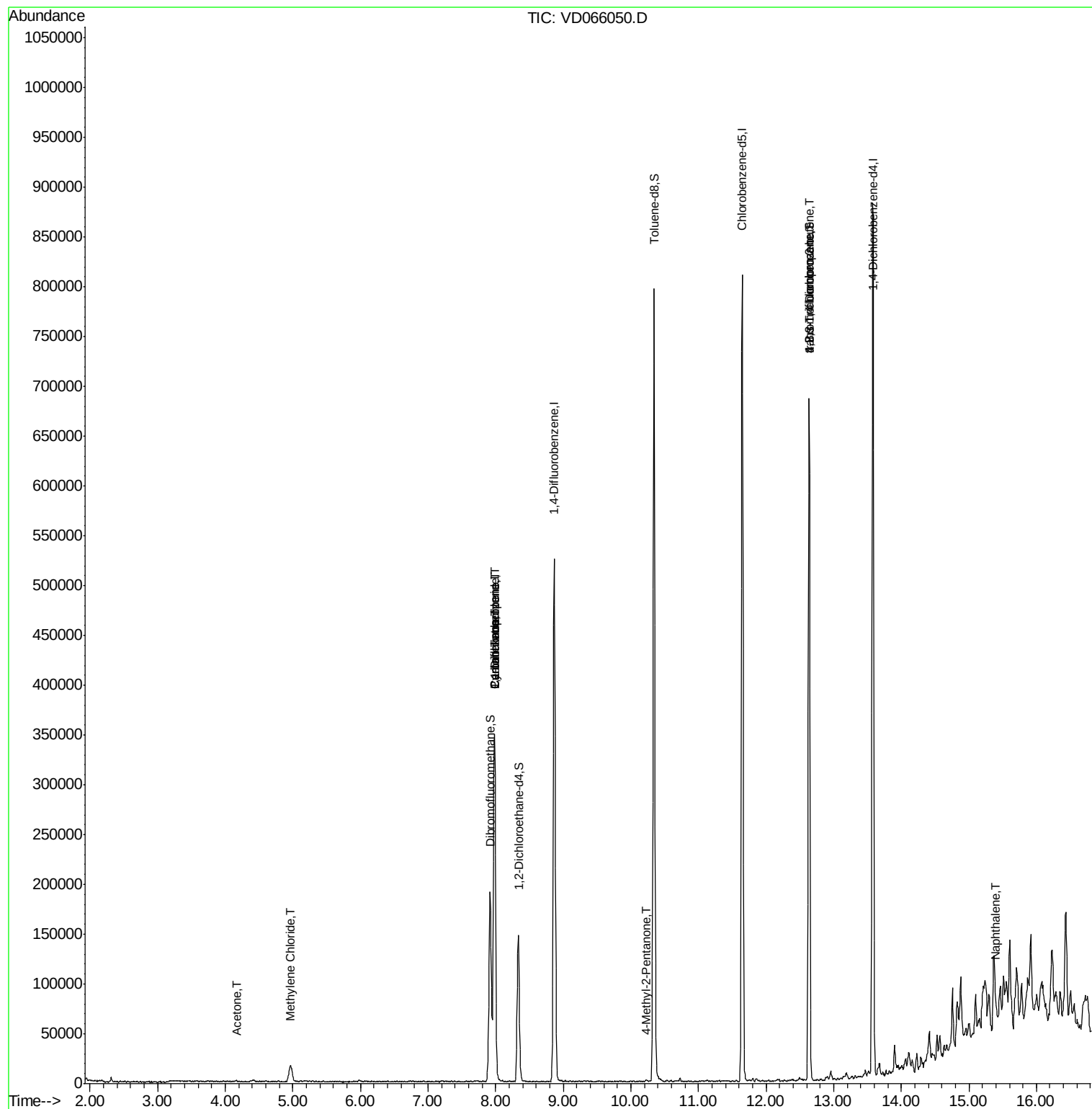
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	1302	Below Cal		97
16) Acetone	4.17	43	495	1.051	ug/l #	42
20) Methylene Chloride	4.96	84	14252	2.664	ug/l #	85
31) Cyclohexane	7.98	56	5045	1.205	ug/l #	42
36) 1,1-Dichloropropene	7.98	75	18683	4.790	ug/l #	50
38) Carbon Tetrachloride	7.98	117	27051	6.391	ug/l #	18
51) 4-Methyl-2-Pentanone	10.22	43	1555	1.061	ug/l #	83
76) 1,2,3-Trichloropropane	12.64	75	105613	54.932	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	105613	126.051	ug/l #	11
95) Naphthalene	15.41	128	1135	3.677	ug/l #	76

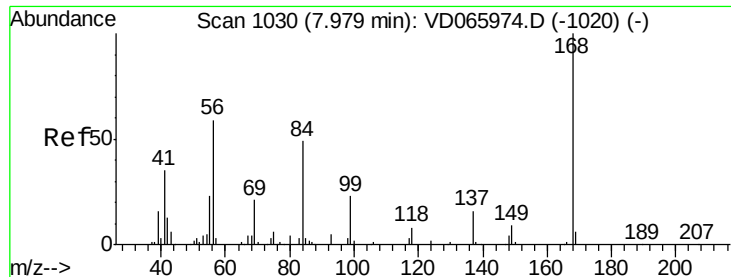
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\
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QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066050.D

Acq: 24 Jul 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

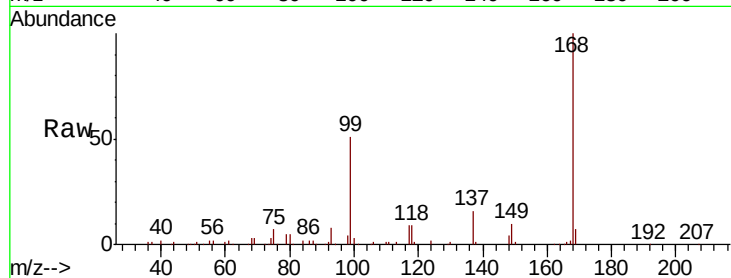
PS-DRUM

Tot Ion:168 Resp: 286032

Ion Ratio Lower Upper

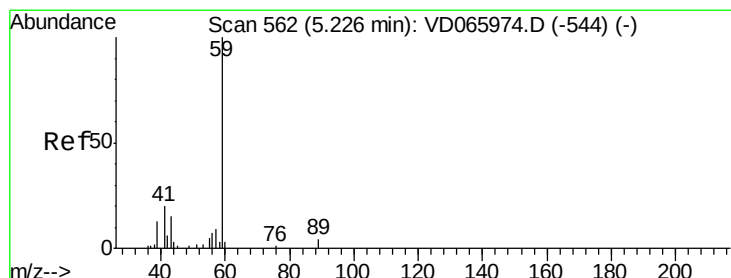
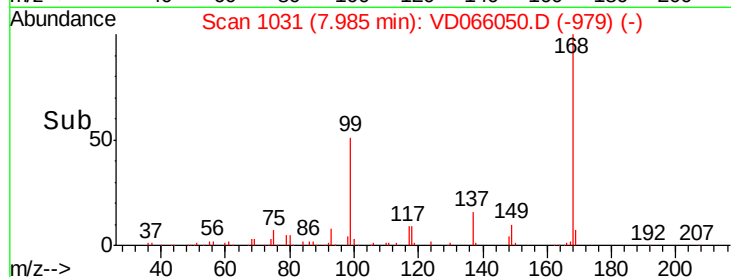
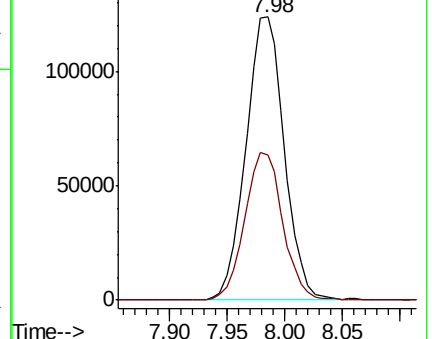
168 100

99 51.4 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066050.D

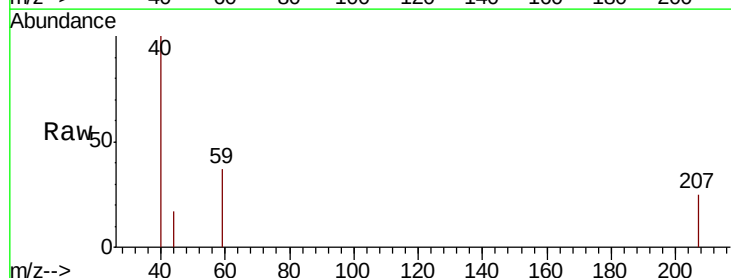
Acq: 24 Jul 2020 16:34

Tgt Ion: 59 Resp: 1302

Ion Ratio Lower Upper

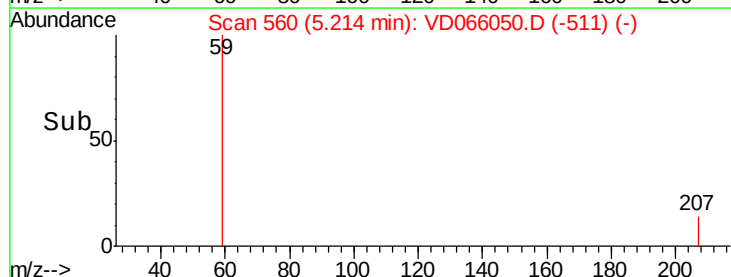
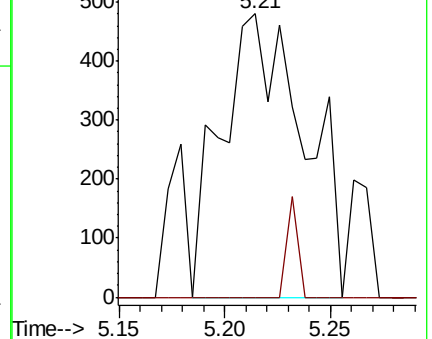
59 100

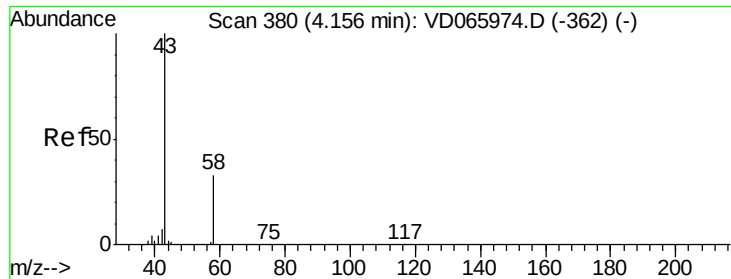
57 4.6 4.5 6.7



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

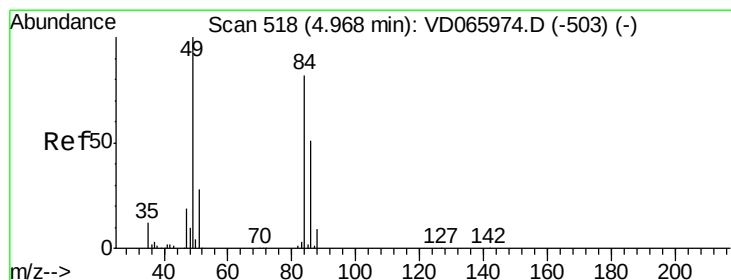
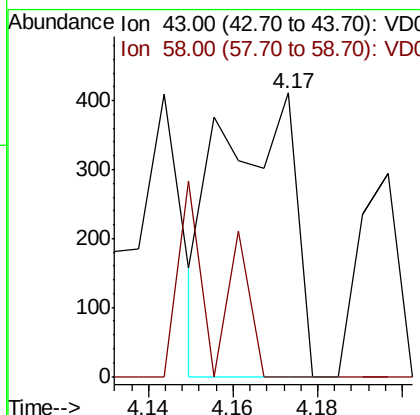
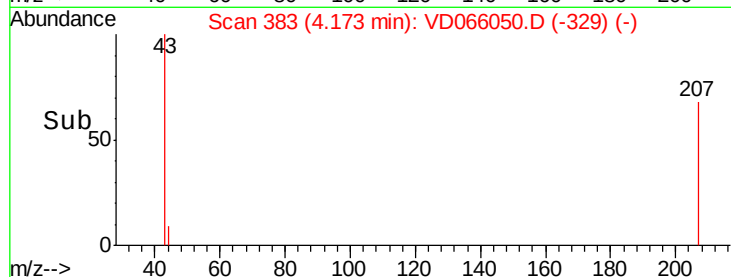
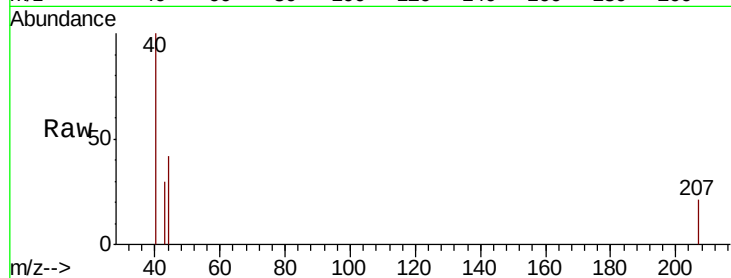




#16
Acetone
Concen: 1.051 ug/l
RT: 4.17 min Scan# 383
Delta R.T. 0.02 min
Lab File: VD066050.D
Acq: 24 Jul 2020 16:34

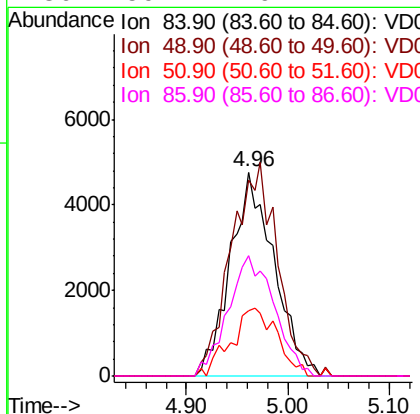
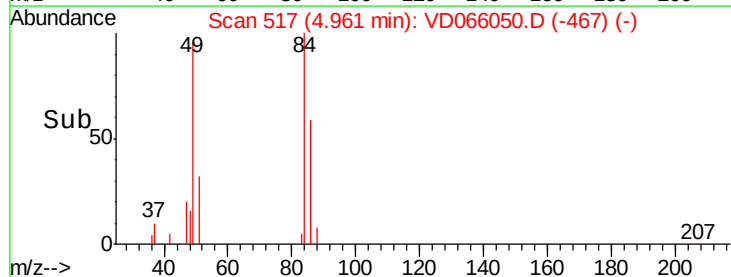
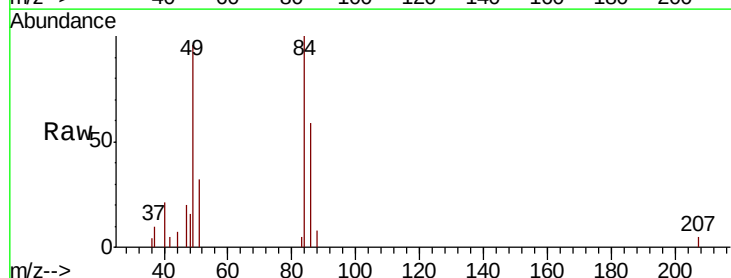
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MSVOA_D
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PS-DRUM

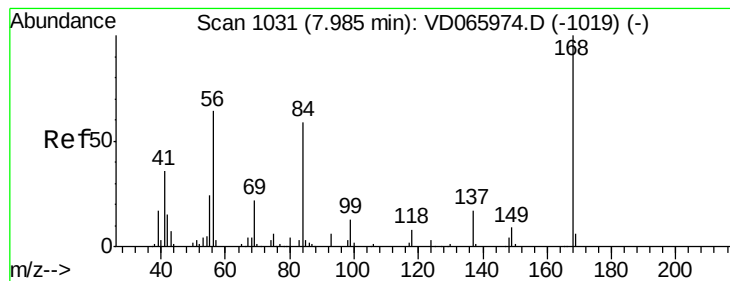
Tot Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
58 0.0 26.3 39.5#



#20
Methylene Chloride
Concen: 2.664 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066050.D
Acq: 24 Jul 2020 16:34

Tgt Ion: 84 Resp: 14252
Ion Ratio Lower Upper
84 100
49 96.1 97.7 146.5#
51 32.2 27.4 41.2
86 59.1 49.4 74.2





#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD066050.D

Acq: 24 Jul 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

PS-DRUM

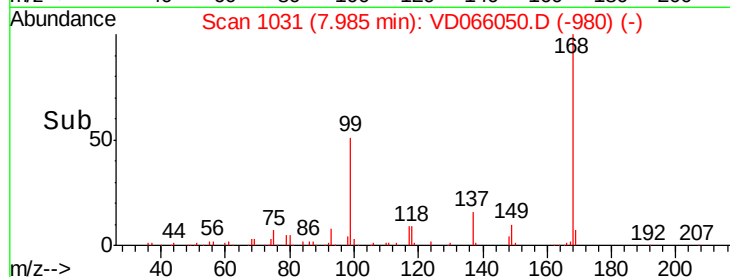
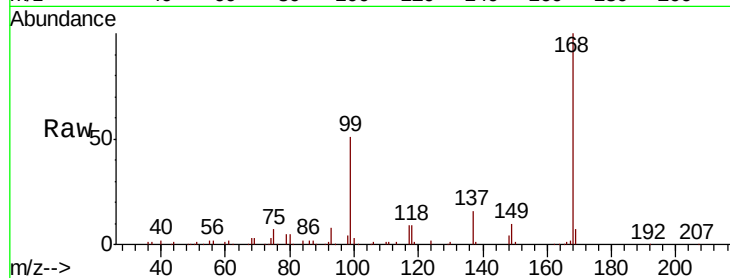
Tot Ion: 56 Resp: 5045

Ion Ratio Lower Upper

56 100

69 134.7 28.0 42.0#

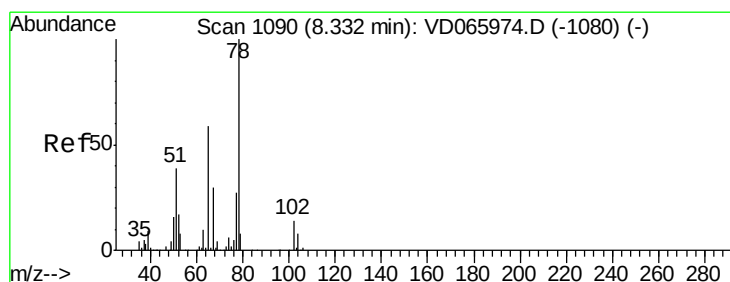
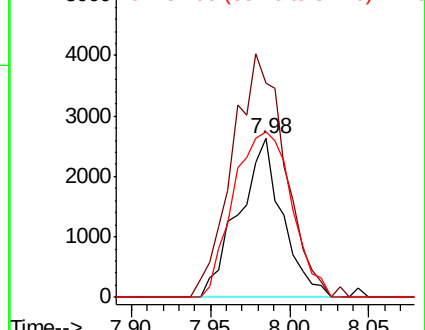
84 104.0 72.6 109.0



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: 51.998 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066050.D

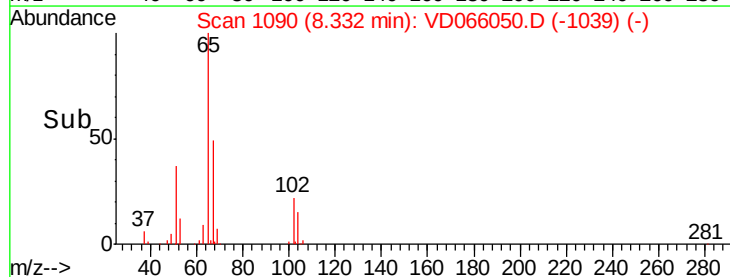
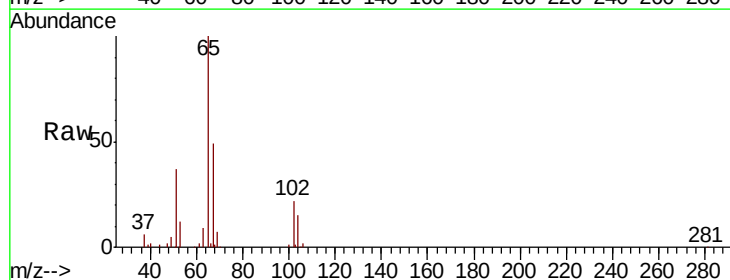
Acq: 24 Jul 2020 16:34

Tgt Ion: 65 Resp: 121021

Ion Ratio Lower Upper

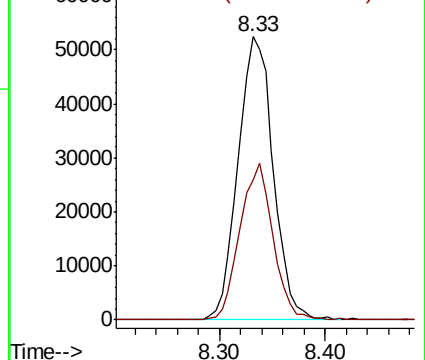
65 100

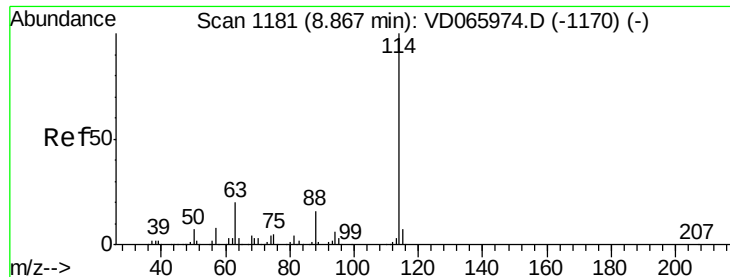
67 51.9 0.0 105.0



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: VD066050.D

Acq: 24 Jul 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

PS-DRUM

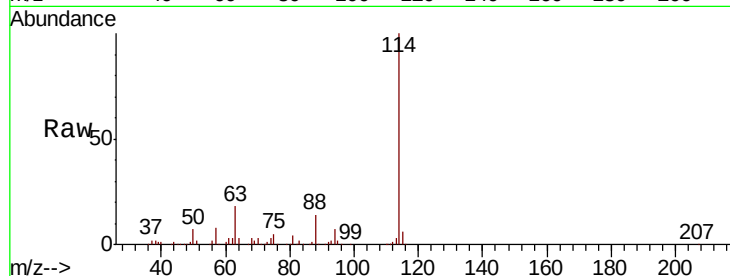
Tot Ion:114 Resp: 457064

Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

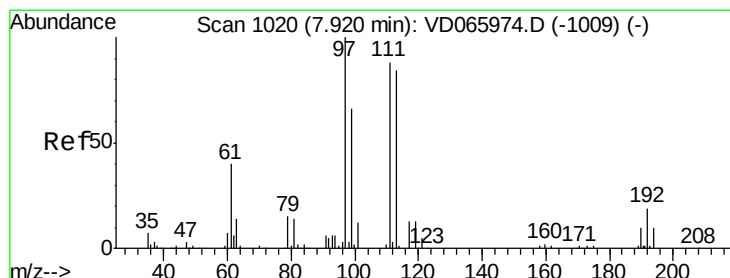
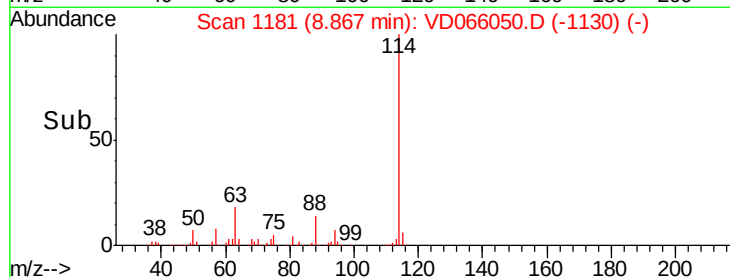
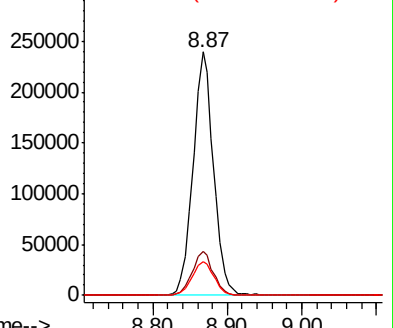
88 13.8 0.0 31.2



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: 49.802 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD066050.D

Acq: 24 Jul 2020 16:34

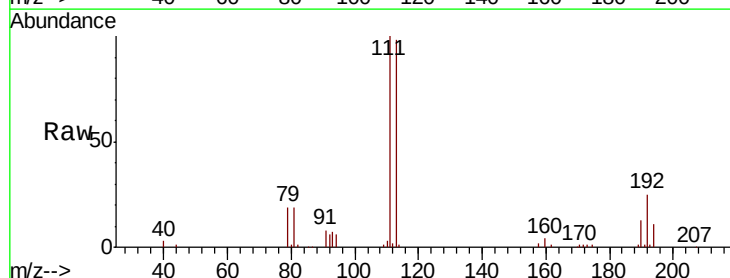
Tgt Ion:113 Resp: 138064

Ion Ratio Lower Upper

113 100

111 100.6 83.2 124.8

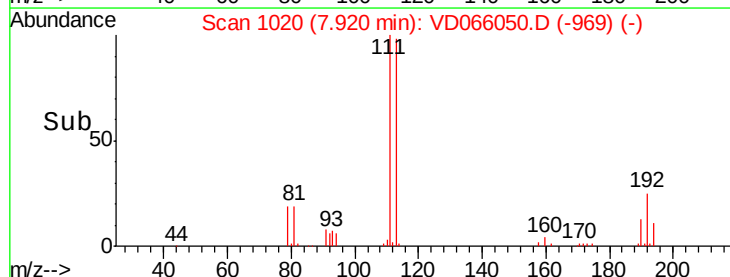
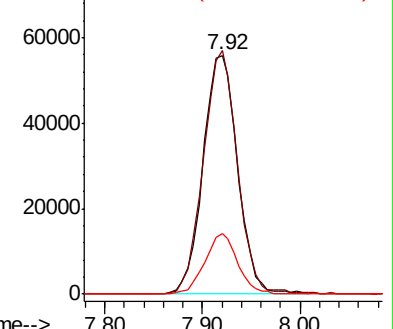
192 23.9 18.7 28.1

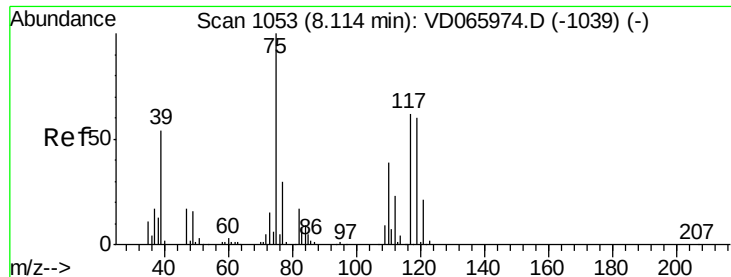


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

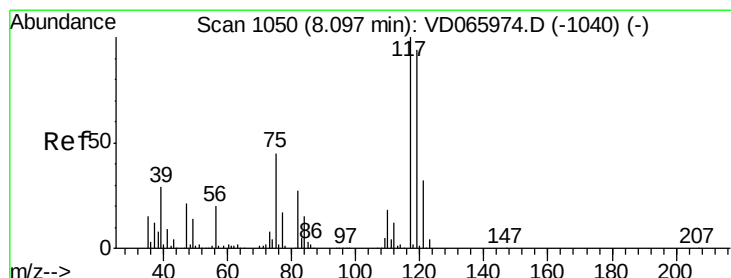
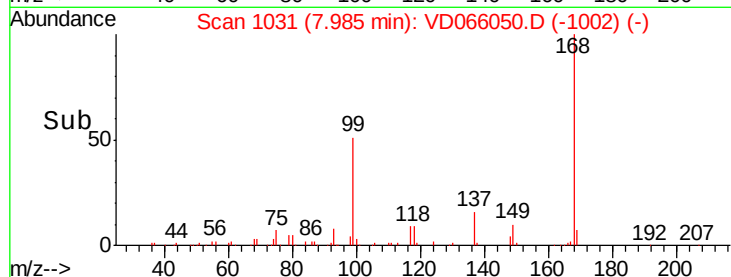
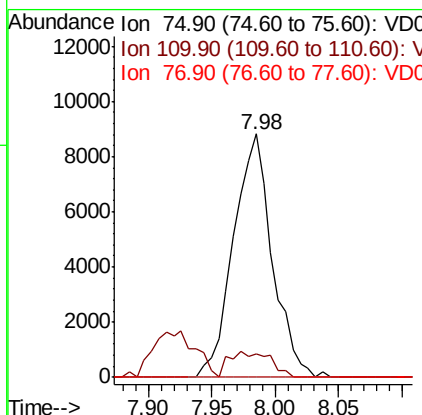
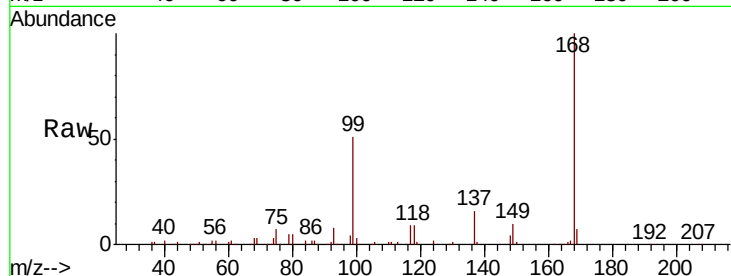




#36
 1,1-Dichloropropene
 Concen: 4.790 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD066050.D
 Acq: 24 Jul 2020 16:34

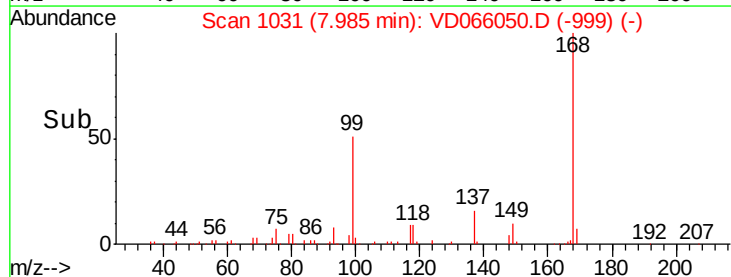
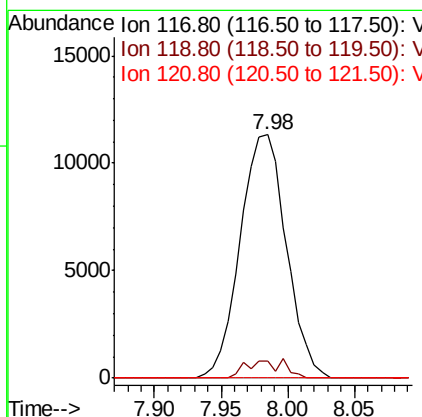
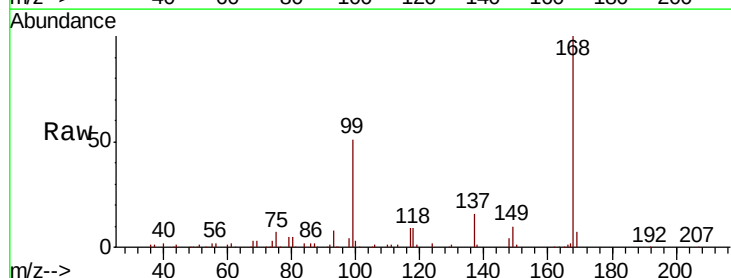
Instrument :
 MSVOA_D
 ClientSampleId :
 PS-DRUM

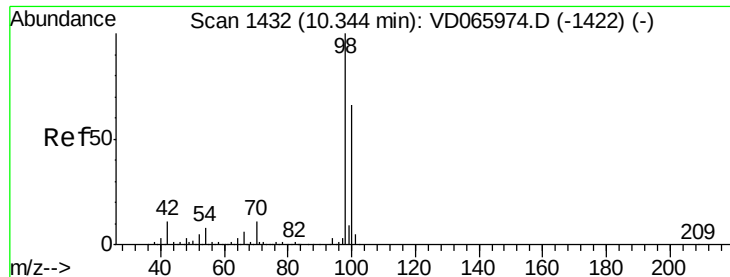
Tot Ion: 75 Resp: 18683
 Ion Ratio Lower Upper
 75 100
 110 11.3 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.391 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD066050.D
 Acq: 24 Jul 2020 16:34

Tgt Ion: 117 Resp: 27051
 Ion Ratio Lower Upper
 117 100
 119 7.0 75.0 112.6#
 121 0.0 25.5 38.3#

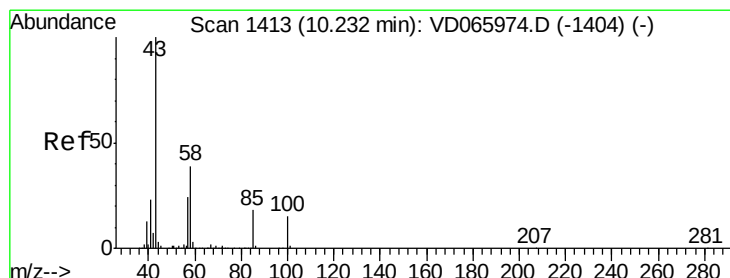
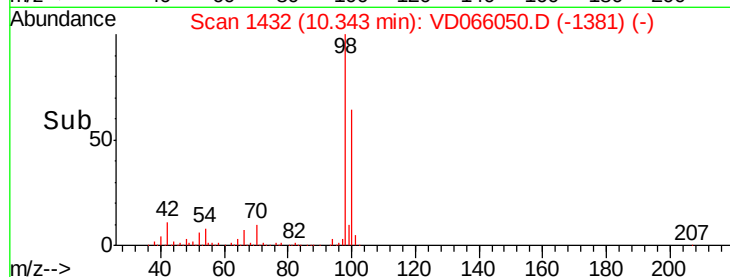
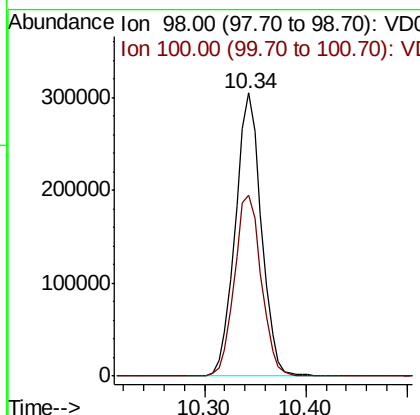
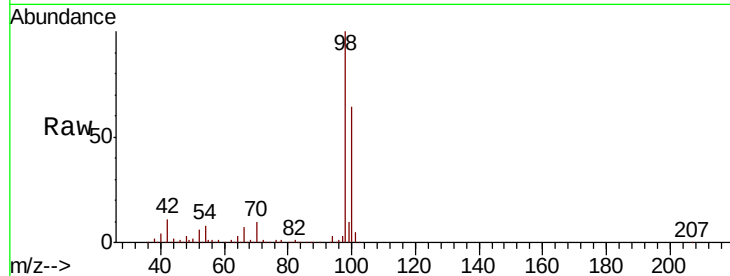




#50
Toluene-d8
Concen: 52.630 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066050.D
Acq: 24 Jul 2020 16:34

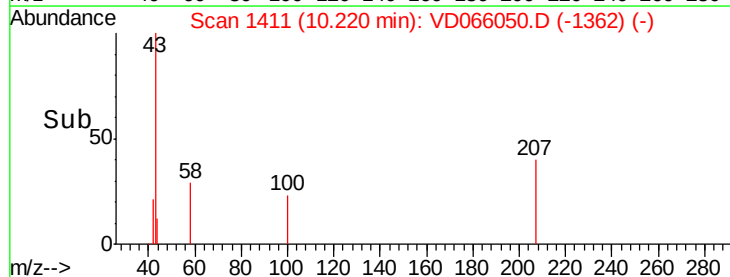
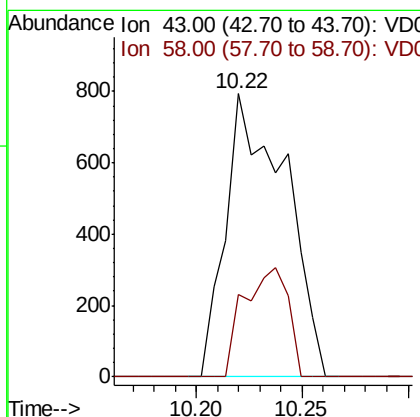
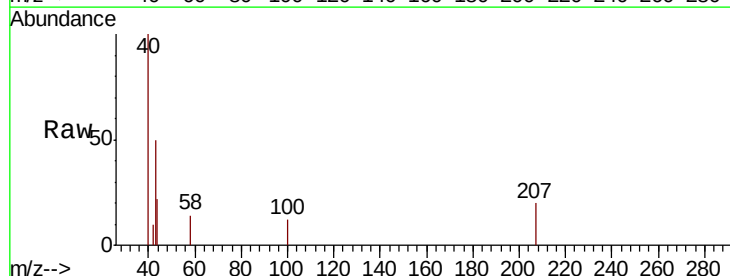
Instrument :
MSVOA_D
ClientSampleId :
PS-DRUM

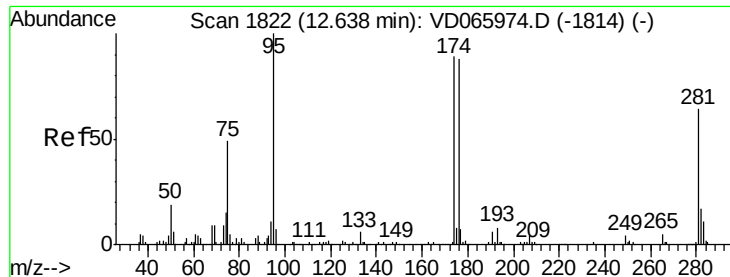
Tot Ion: 98 Resp: 543523
Ion Ratio Lower Upper
98 100
100 66.2 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.061 ug/l
RT: 10.22 min Scan# 1411
Delta R.T. -0.01 min
Lab File: VD066050.D
Acq: 24 Jul 2020 16:34

Tgt Ion: 43 Resp: 1555
Ion Ratio Lower Upper
43 100
58 28.6 31.3 46.9#





#62

4-Bromofluorobenzene

Concen: 61.519 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD066050.D

Acq: 24 Jul 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

PS-DRUM

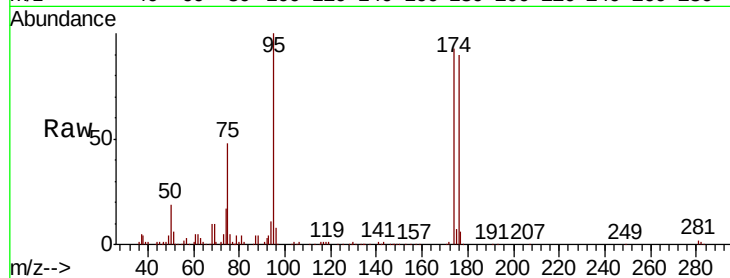
Tot Ion: 95 Resp: 220293

Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.8

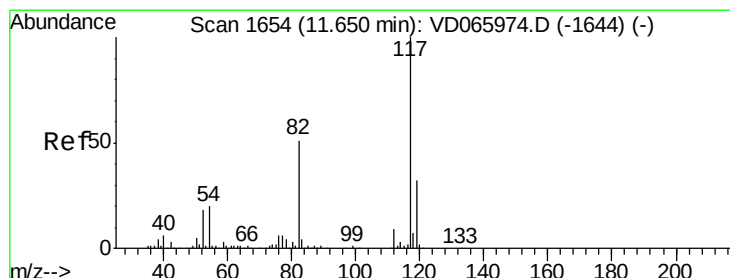
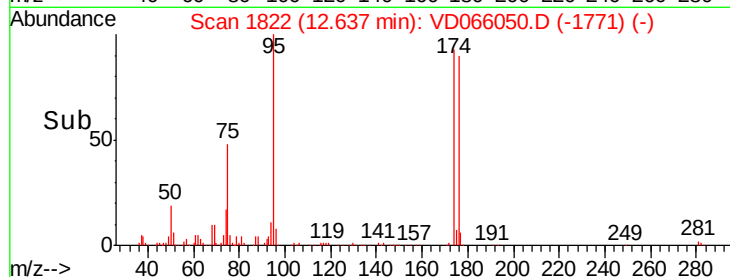
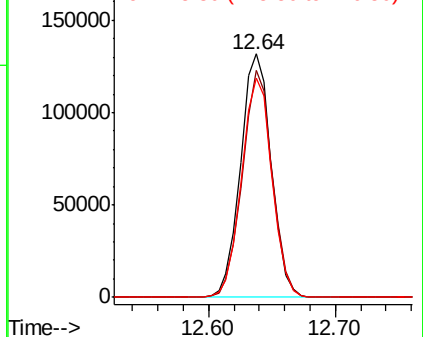
176 89.6 0.0 172.6



Abundance Ion 94.90 (94.60 to 95.60): V

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: VD066050.D

Acq: 24 Jul 2020 16:34

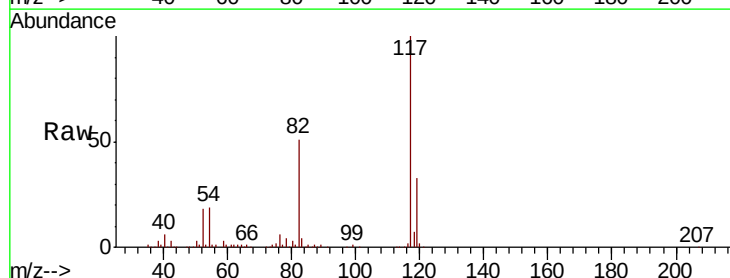
Tgt Ion: 117 Resp: 470693

Ion Ratio Lower Upper

117 100

82 50.9 41.1 61.7

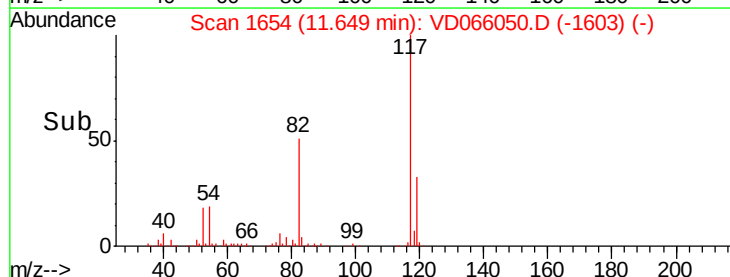
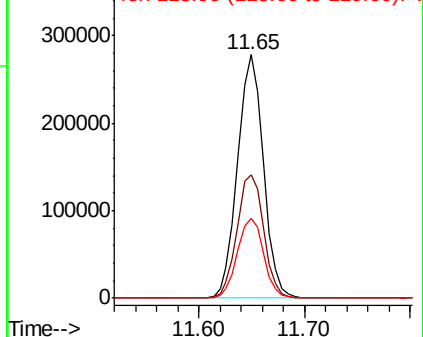
119 32.6 25.9 38.9

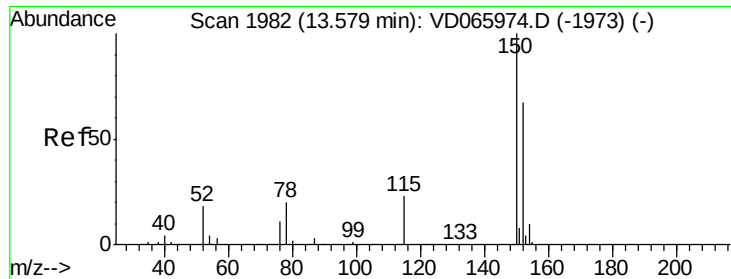


Abundance Ion 116.90 (116.60 to 117.60): V

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# 1983

Delta R.T. 0.01 min

Lab File: VD066050.D

Acq: 24 Jul 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

PS-DRUM

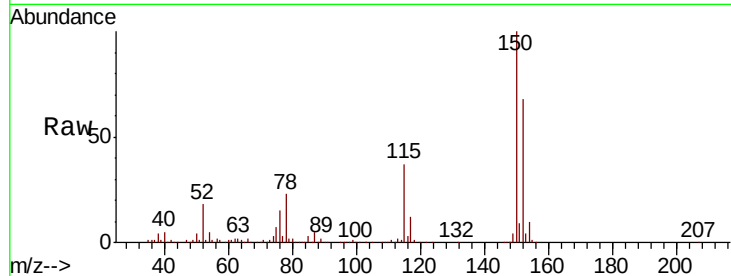
Tot Ion:152 Resp: 255343

Ion Ratio Lower Upper

152 100

115 54.1 27.9 83.7

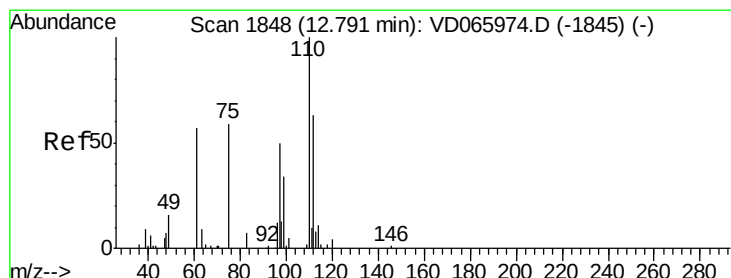
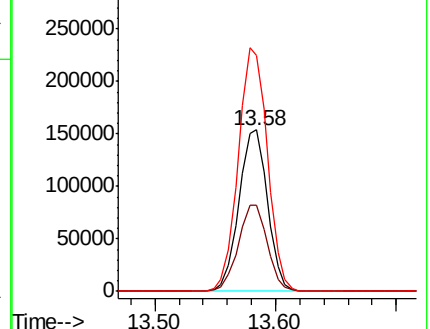
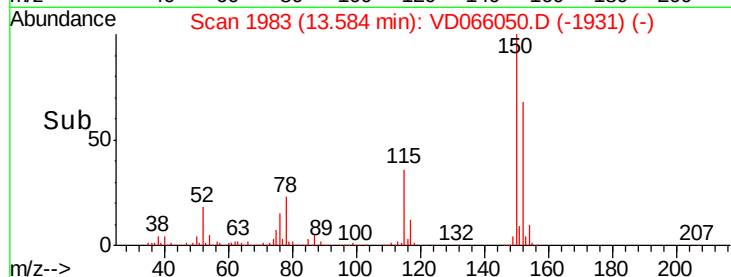
150 153.1 0.0 348.2



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: 54.932 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066050.D

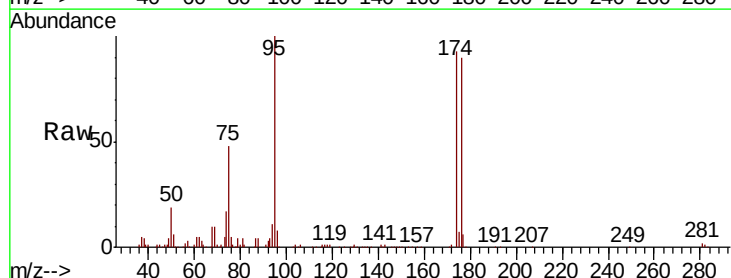
Acq: 24 Jul 2020 16:34

Tgt Ion: 75 Resp: 105613

Ion Ratio Lower Upper

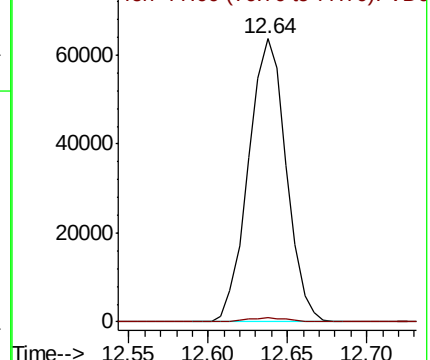
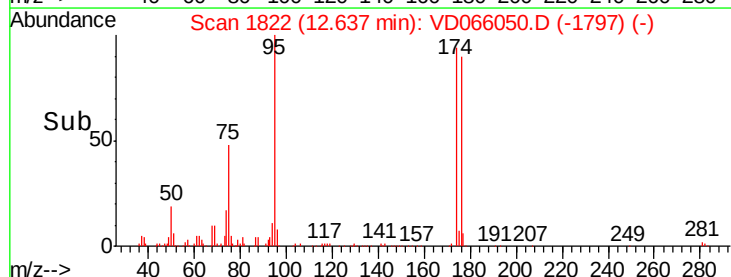
75 100

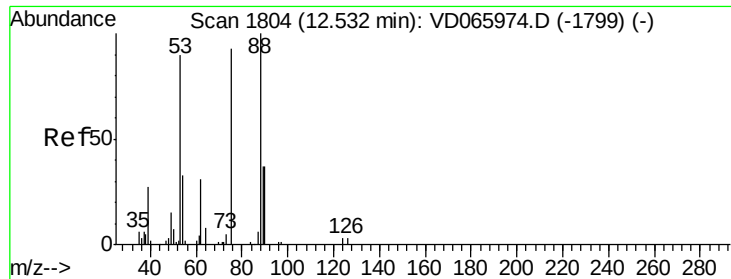
77 1.5 0.0 0.0#



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: 126.051 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066050.D

Acq: 24 Jul 2020 16:34

Instrument :

MSVOA_D

ClientSampleId :

PS-DRUM

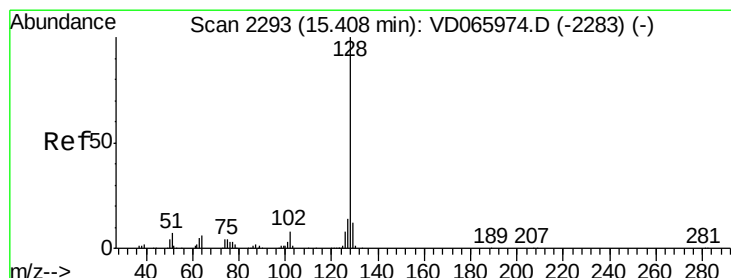
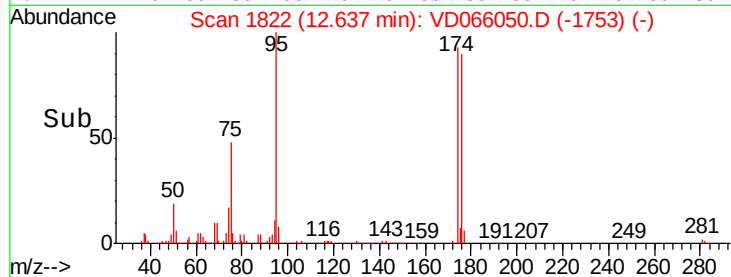
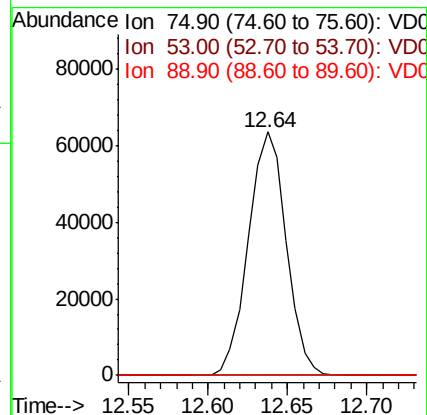
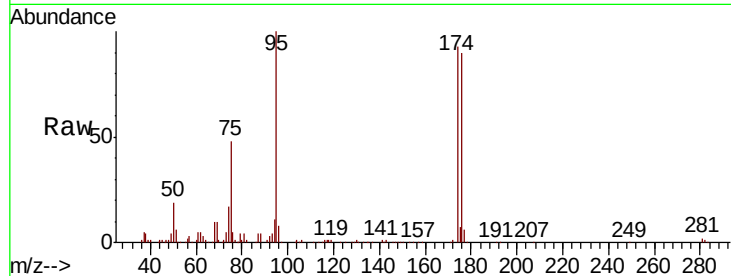
Tot Ion: 75 Resp: 105613

Ion Ratio Lower Upper

75 100

53 0.1 76.8 115.2#

89 0.0 37.0 55.4#



#95

Naphthalene

Concen: 3.677 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD066050.D

Acq: 24 Jul 2020 16:34

Tgt Ion:128 Resp: 1135

Ion Ratio Lower Upper

128 100

127 18.8 10.8 16.2#

129 25.6 8.9 13.3#

