

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072420\
 Data File : VD066052.D
 Acq On : 24 Jul 2020 17:29
 Operator : VA/SY
 Sample : L3428-02
 Misc : 7.65G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S2

Quant Time: Jul 24 23:54:51 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

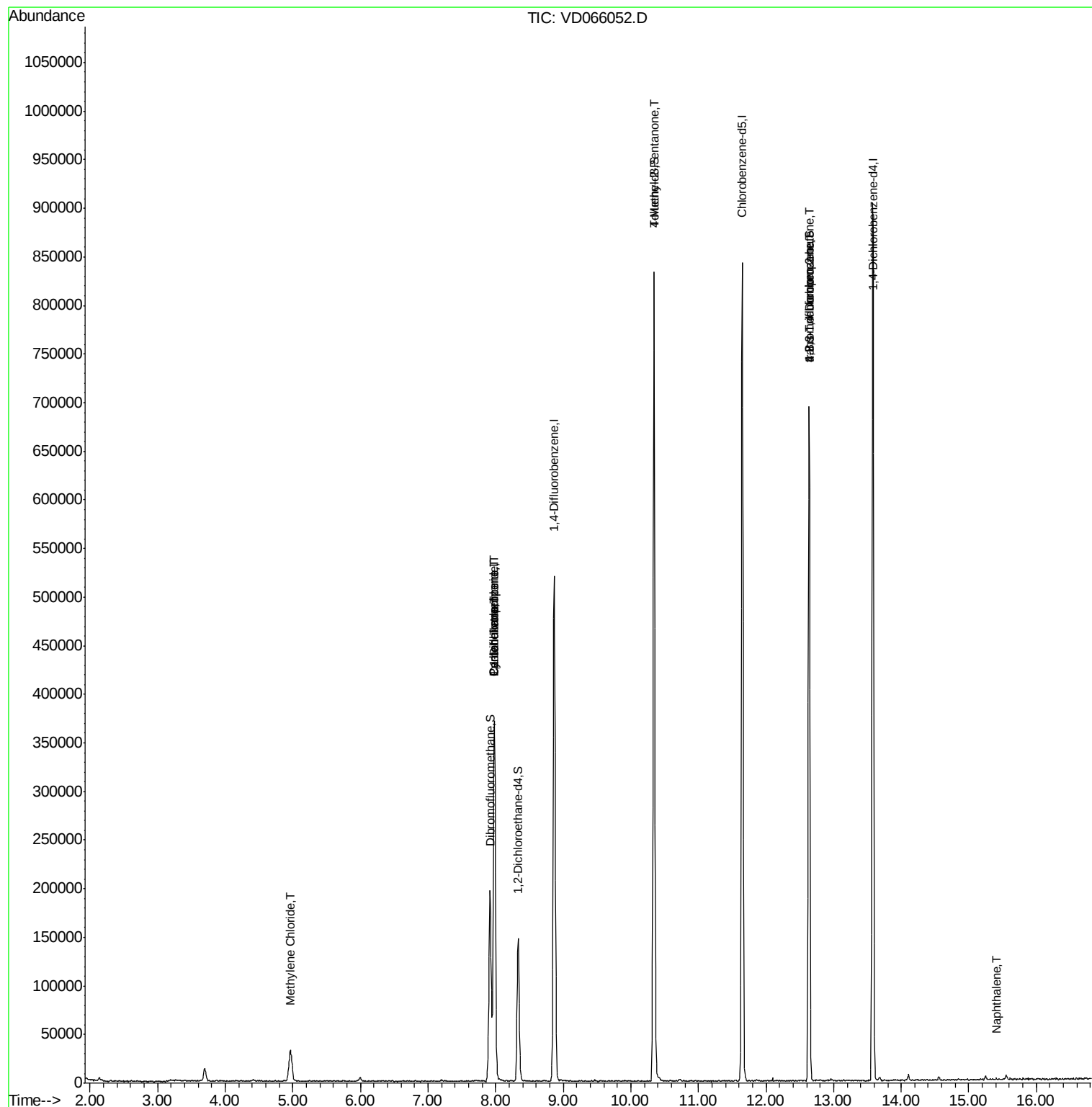
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	298928	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	459361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	488653	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	258376	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	117609	48.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.70%	
35) Dibromofluoromethane	7.91	113	139659	50.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.26%	
50) Toluene-d8	10.34	98	557987	53.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.52%	
62) 4-Bromofluorobenzene	12.64	95	222842	61.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.84%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.23	59	89	Below Cal	#	83
20) Methylene Chloride	4.97	84	24998	6.609	ug/l	96
31) Cyclohexane	7.98	56	5966	1.364	ug/l #	40
36) 1,1-Dichloropropene	7.98	75	19108	4.874	ug/l #	50
38) Carbon Tetrachloride	7.98	117	27491	6.463	ug/l #	17
51) 4-Methyl-2-Pentanone	10.34	43	2609	1.771	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	110137	56.613	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110137	129.907	ug/l #	11
95) Naphthalene	15.41	128	142	3.563	ug/l #	68

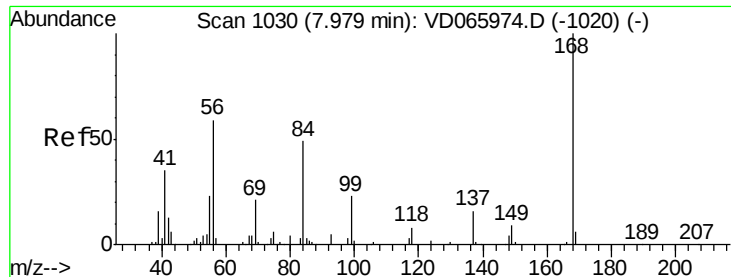
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD072420\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
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# 1030

Delta R.T. -0.00 min

Lab File: VD066052.D

Acq: 24 Jul 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

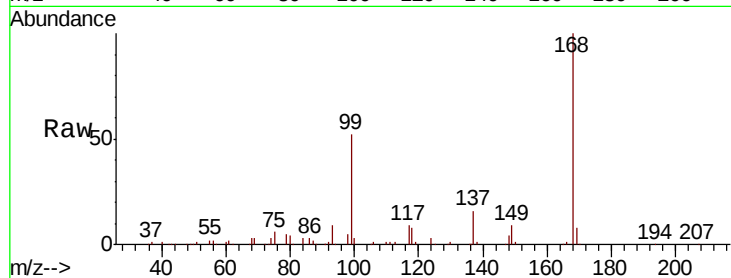
TP-1-S2

Tot Ion:168 Resp: 298928

Ion Ratio Lower Upper

168 100

99 51.7 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

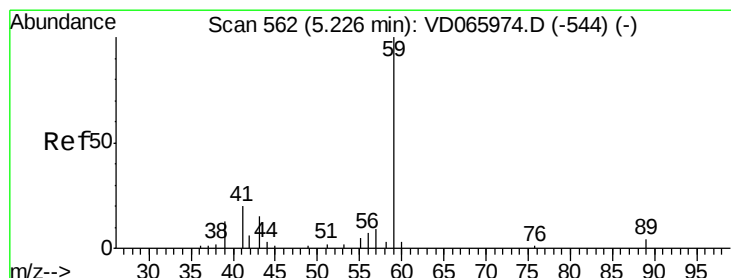
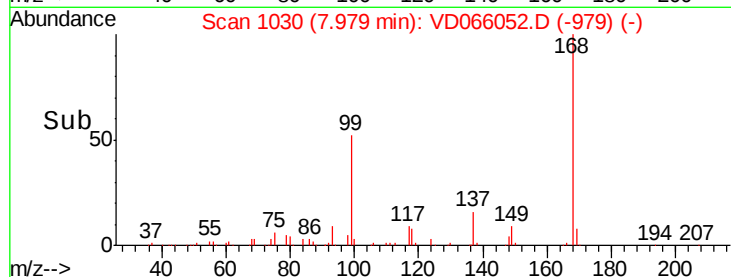
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD066052.D

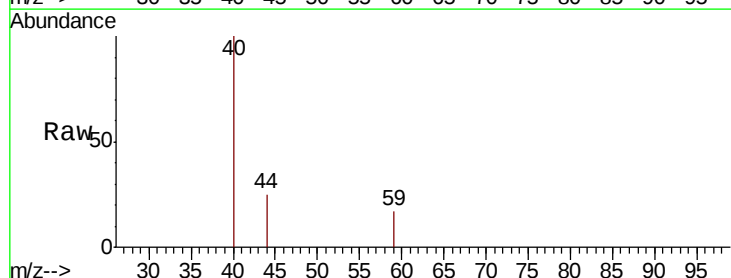
Acq: 24 Jul 2020 17:29

Tgt Ion: 59 Resp: 89

Ion Ratio Lower Upper

59 100

57 0.0 4.5 6.7#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.23

300

250

200

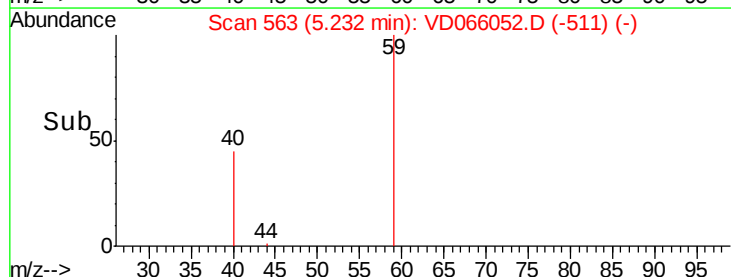
150

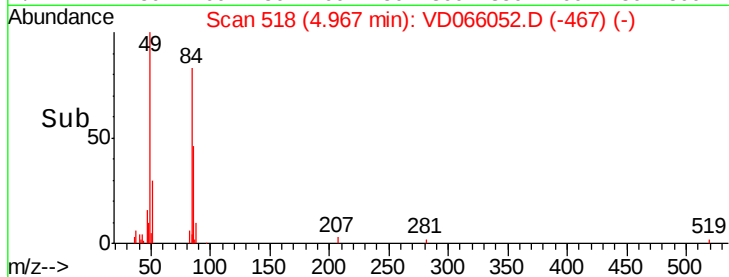
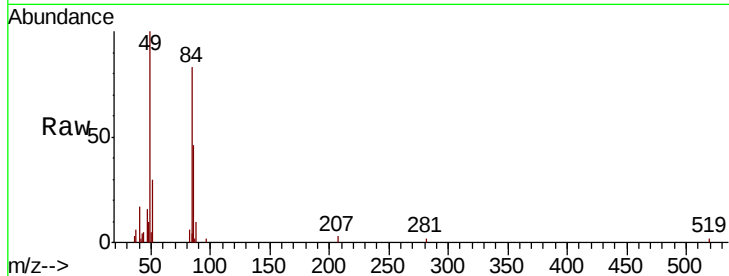
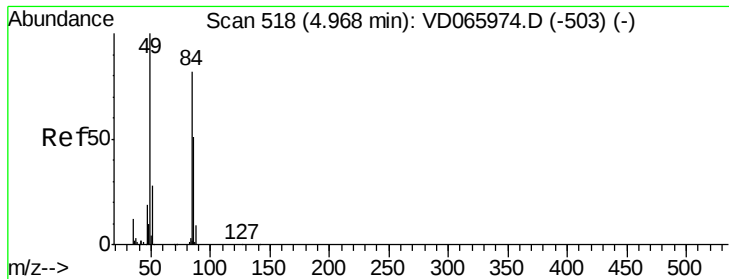
100

50

0

Time-->

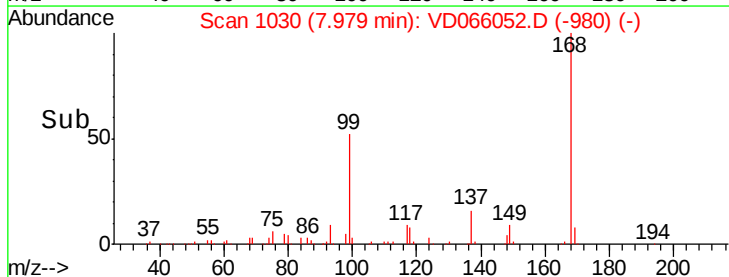
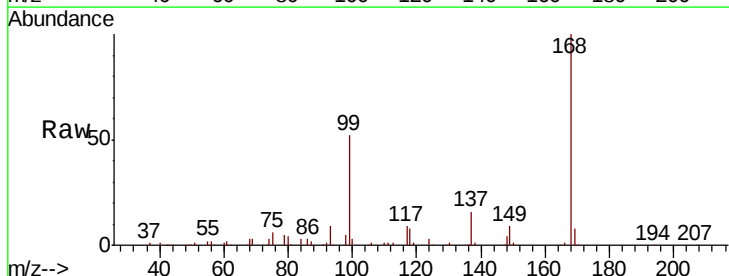
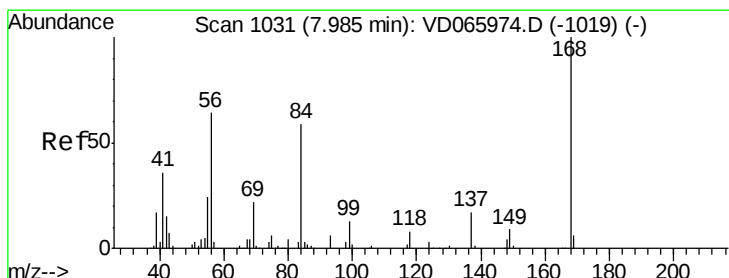
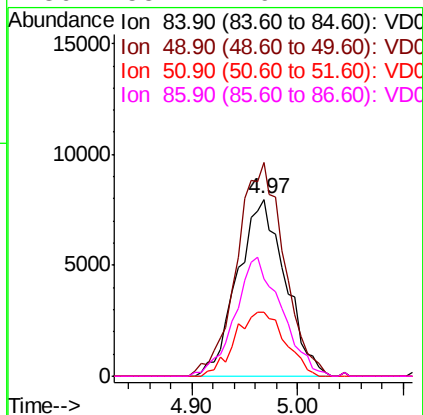




#20
Methvlene Chloride
Concen: 6.609 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066052.D
Acq: 24 Jul 2020 17:29

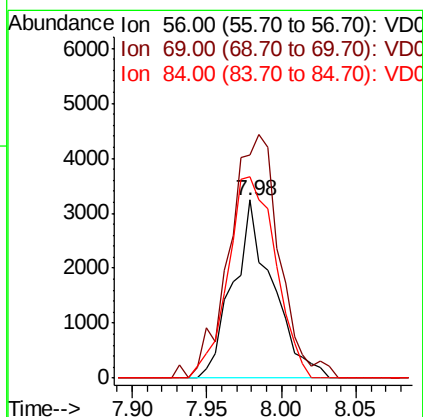
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

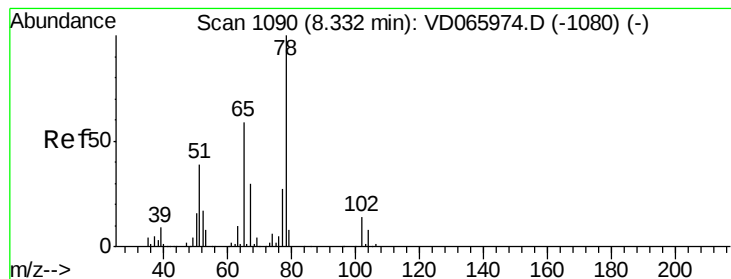
Tot Ion: 84 Resp: 24998
Ion Ratio Lower Upper
84 100
49 120.5 97.7 146.5
51 35.9 27.4 41.2
86 55.1 49.4 74.2



#31
Cyclohexane
Concen: 1.364 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066052.D
Acq: 24 Jul 2020 17:29

Tgt Ion: 56 Resp: 5966
Ion Ratio Lower Upper
56 100
69 125.2 28.0 42.0#
84 113.4 72.6 109.0#





#33

1,2-Dichloroethane-d4

Concen: 48.352 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066052.D

Acq: 24 Jul 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

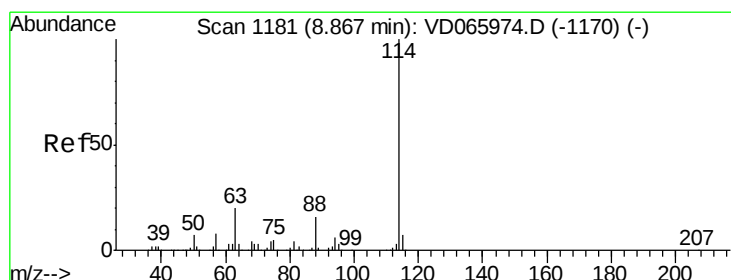
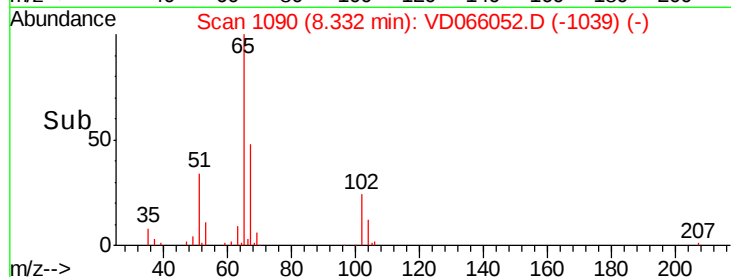
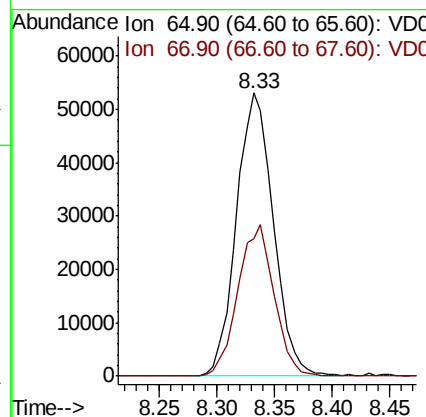
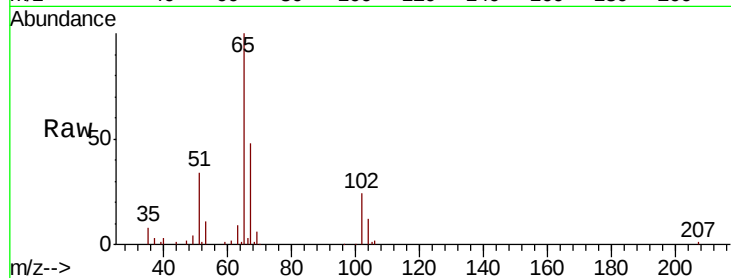
TP-1-S2

Tot Ion: 65 Resp: 117609

Ion Ratio Lower Upper

65 100

67 52.4 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD066052.D

Acq: 24 Jul 2020 17:29

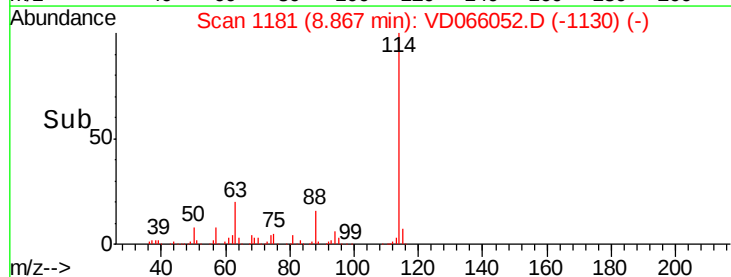
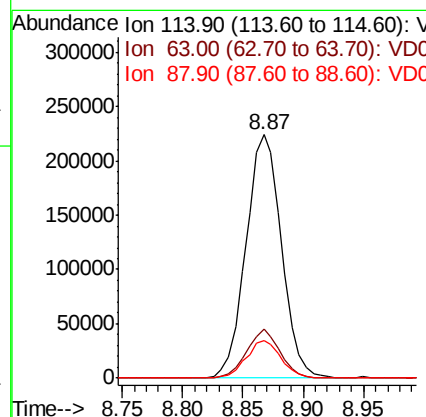
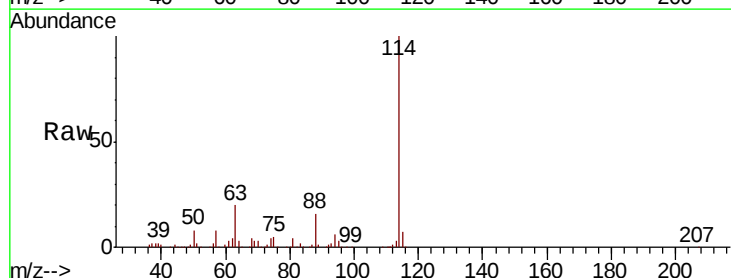
Tgt Ion: 114 Resp: 459361

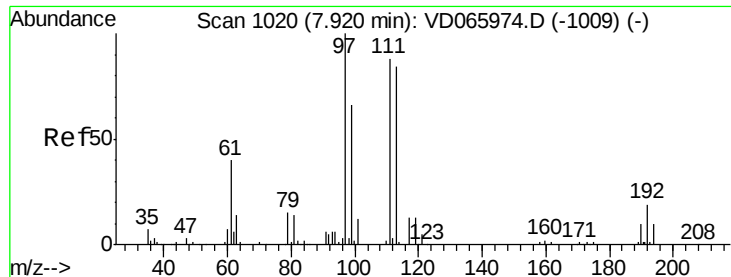
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.6 0.0 31.2

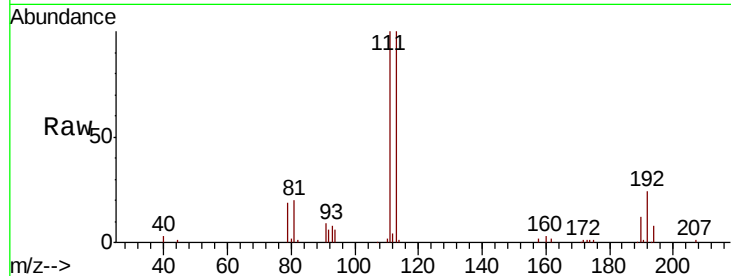




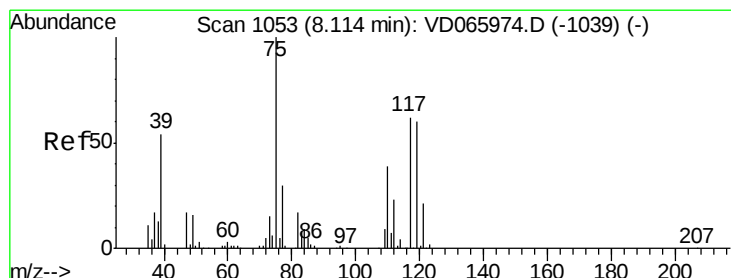
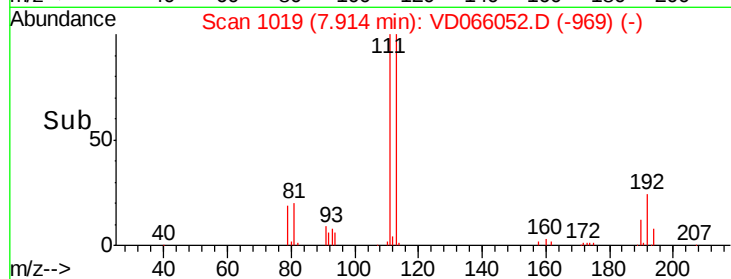
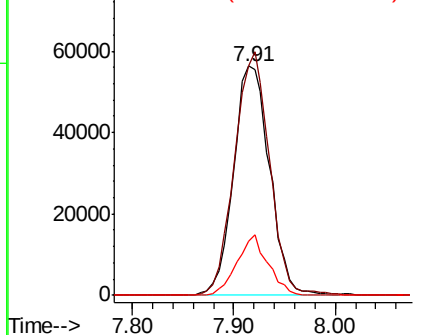
#35
 Dibromofluoromethane
 Concen: 50.126 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD066052.D
 Acq: 24 Jul 2020 17:29

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1-S2

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.2	124.8
192	22.6	18.7	28.1

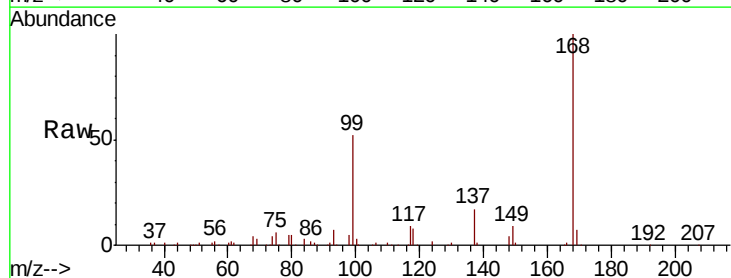


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

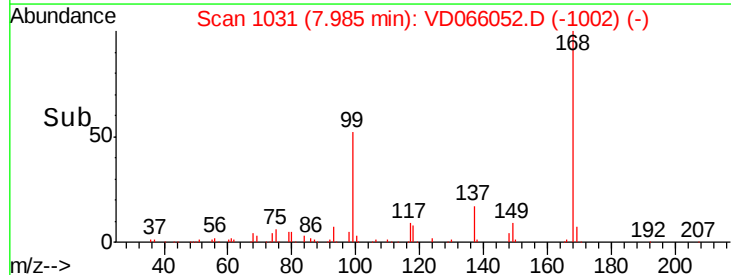
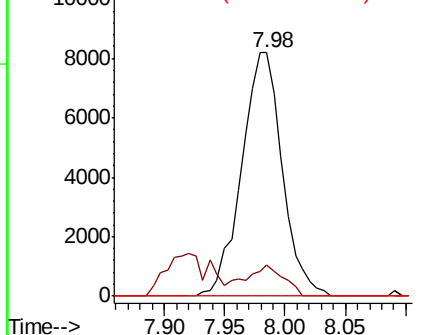


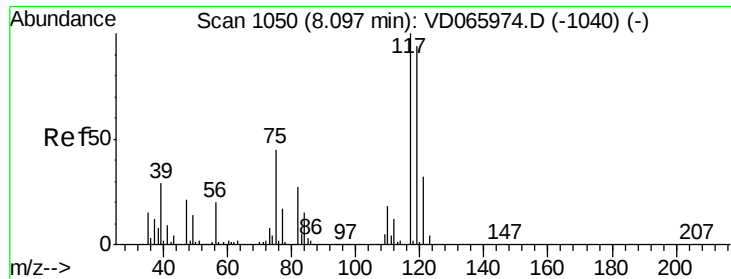
#36
 1,1-Dichloropropene
 Concen: 4.874 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD066052.D
 Acq: 24 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	19.5	58.5#
77	0.0	24.7	37.1#



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

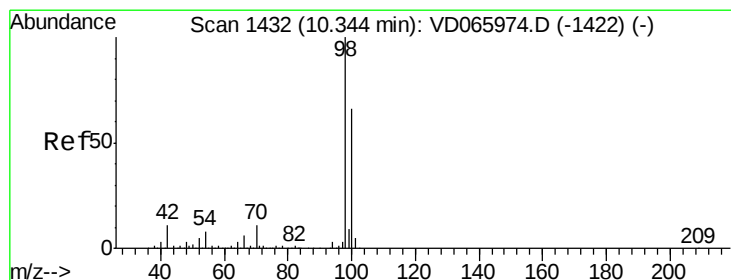
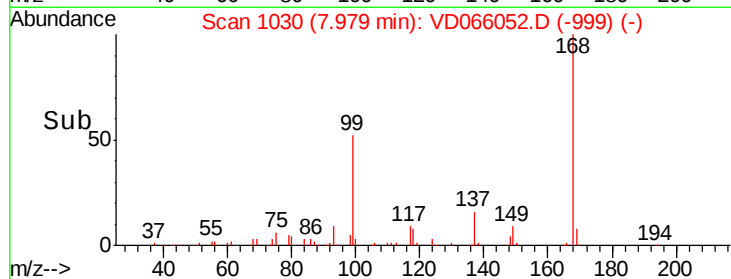
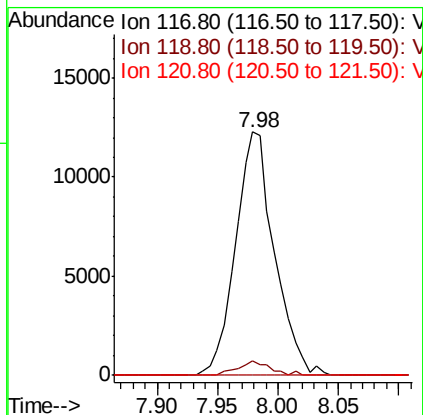
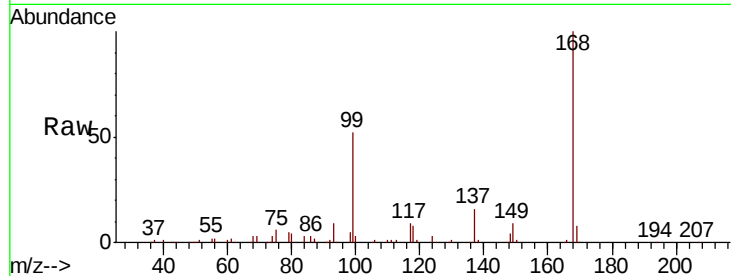




#38
Carbon Tetrachloride
Concen: 6.463 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.12 min
Lab File: VD066052.D
Acq: 24 Jul 2020 17:29

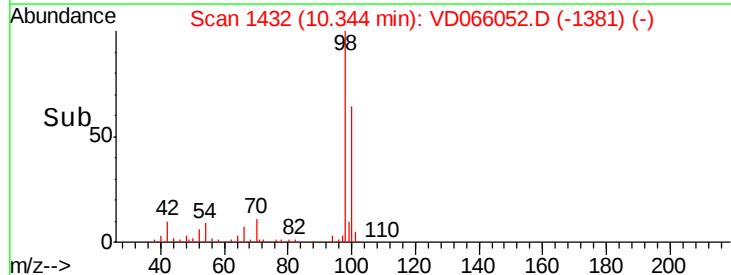
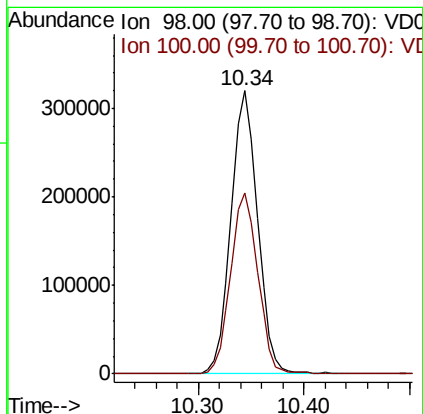
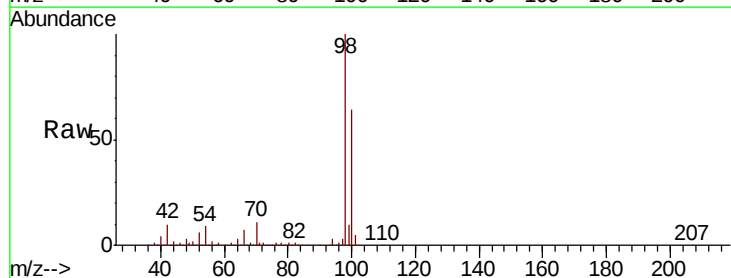
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

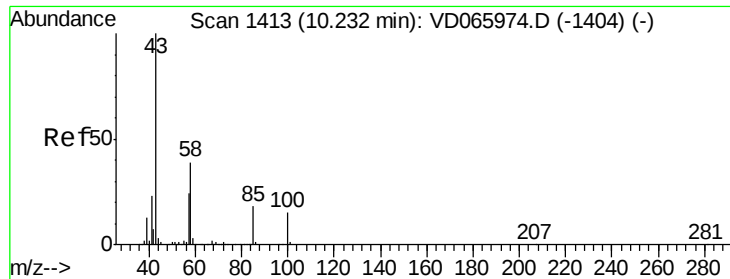
Tot Ion:117 Resp: 27491
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 25.5 38.3#



#50
Toluene-d8
Concen: 53.760 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066052.D
Acq: 24 Jul 2020 17:29

Tgt Ion: 98 Resp: 557987
Ion Ratio Lower Upper
98 100
100 65.4 52.7 79.1

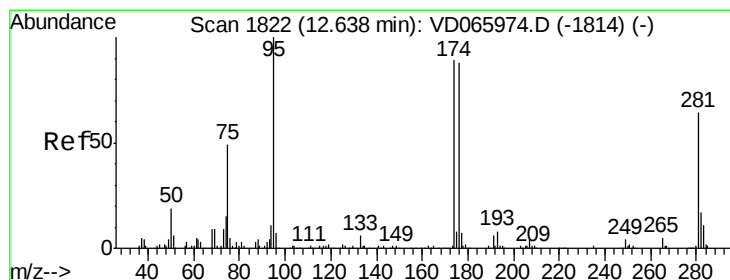
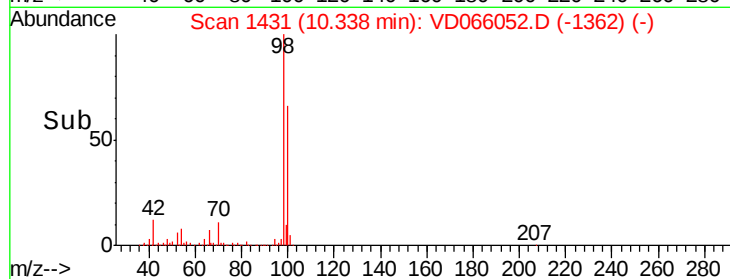
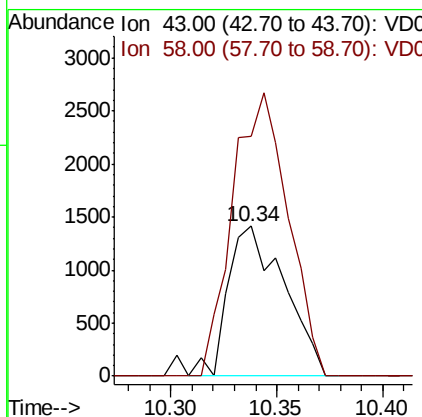
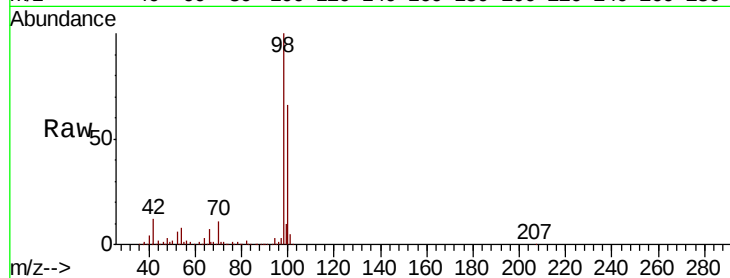




#51
4-Methyl-2-Pentanone
Concen: 1.771 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.11 min
Lab File: VD066052.D
Acq: 24 Jul 2020 17:29

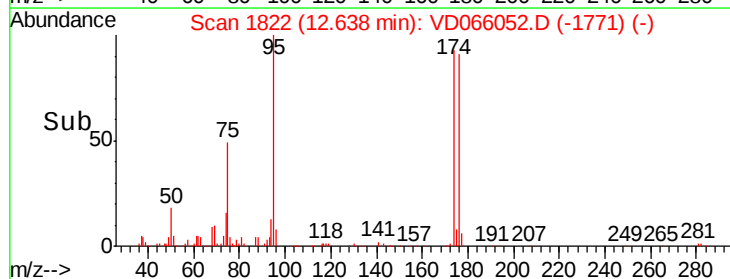
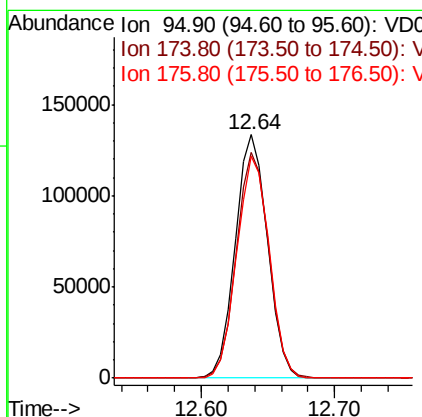
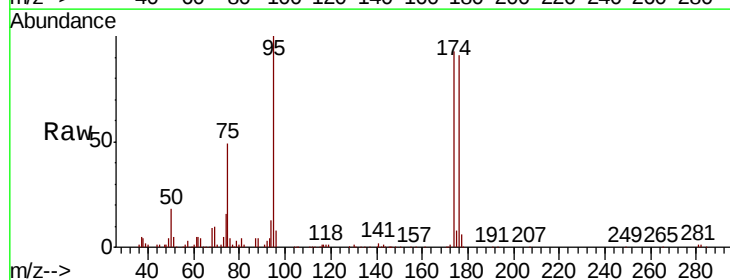
Instrument :
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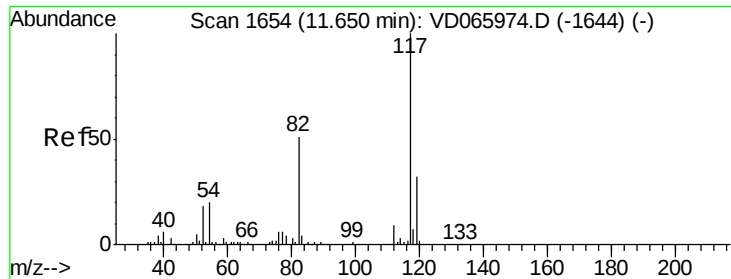
Tot Ion: 43 Resp: 2609
Ion Ratio Lower Upper
43 100
58 187.3 31.3 46.9#



#62
4-Bromofluorobenzene
Concen: 61.920 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD066052.D
Acq: 24 Jul 2020 17:29

Tgt Ion: 95 Resp: 222842
Ion Ratio Lower Upper
95 100
174 93.2 0.0 178.8
176 91.9 0.0 172.6

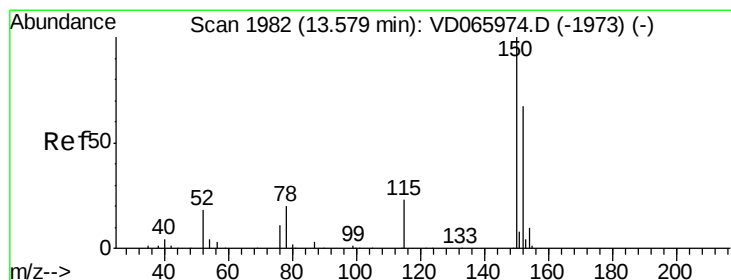
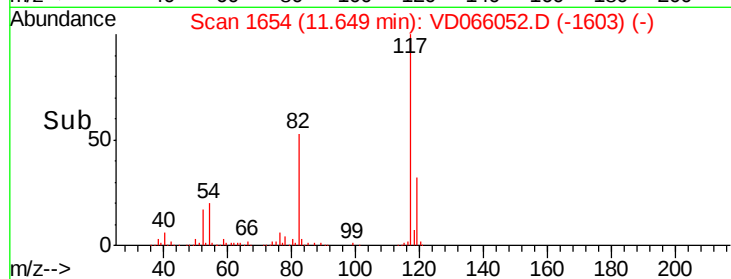
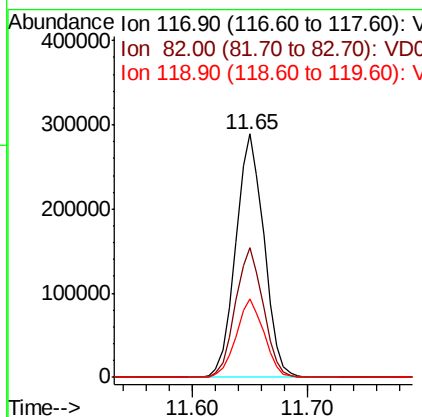
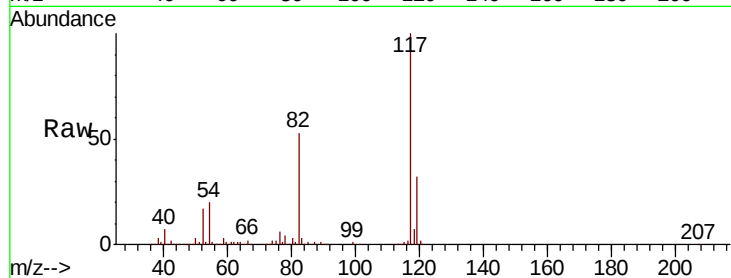




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066052.D
Acq: 24 Jul 2020 17:29

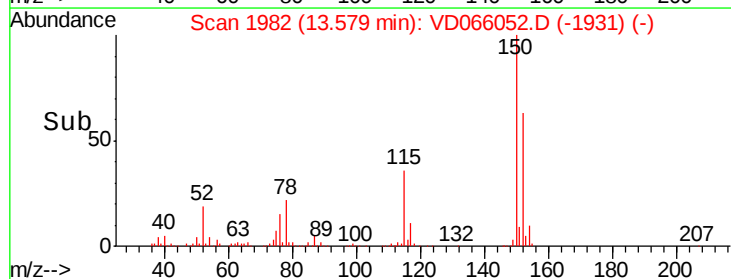
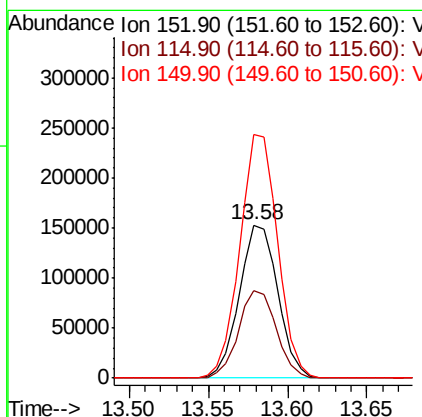
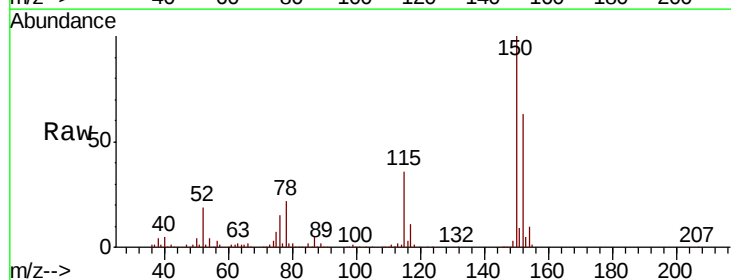
Instrument :
MSVOA_D
ClientSampleId :
TP-1-S2

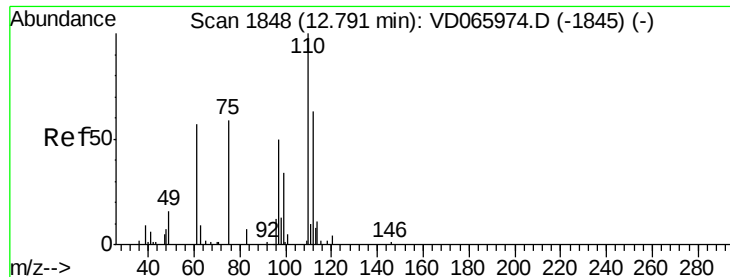
Tot Ion:117 Resp: 488653
Ion Ratio Lower Upper
117 100
82 53.2 41.1 61.7
119 32.2 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066052.D
Acq: 24 Jul 2020 17:29

Tgt Ion:152 Resp: 258376
Ion Ratio Lower Upper
152 100
115 56.0 27.9 83.7
150 156.1 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 56.613 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD066052.D

Acq: 24 Jul 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

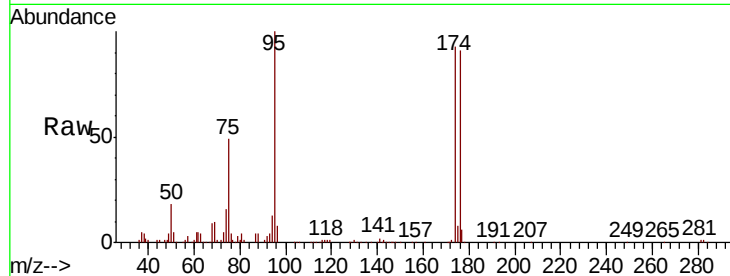
TP-1-S2

Tot Ion: 75 Resp: 110137

Ion Ratio Lower Upper

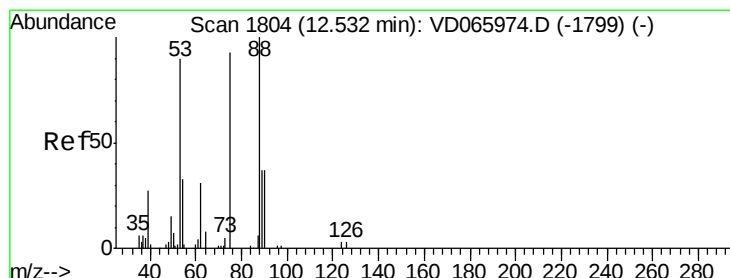
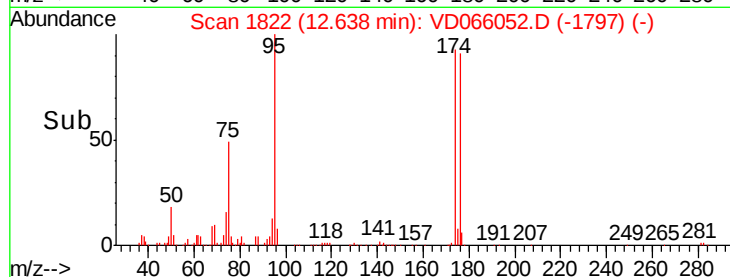
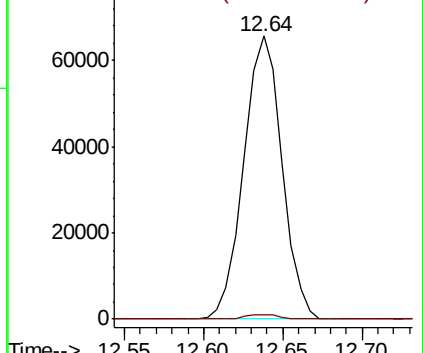
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 129.907 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD066052.D

Acq: 24 Jul 2020 17:29

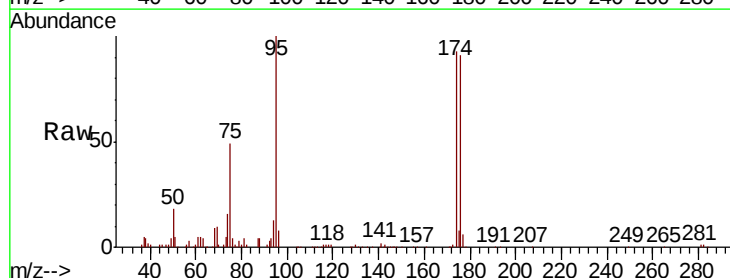
Tgt Ion: 75 Resp: 110137

Ion Ratio Lower Upper

75 100

53 0.0 76.8 115.2#

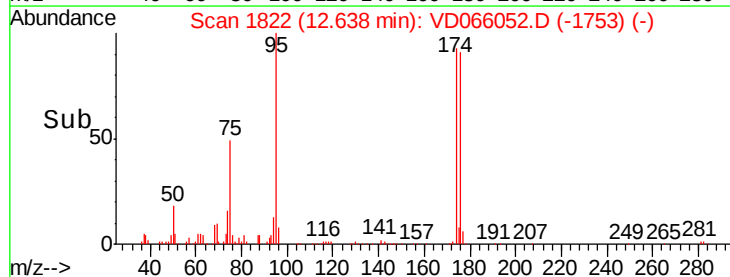
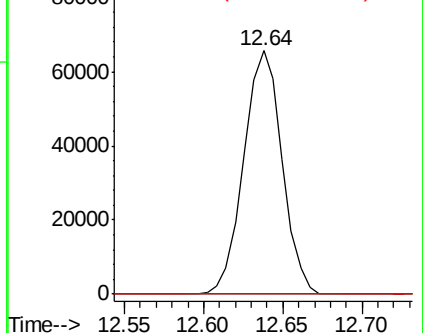
89 0.0 37.0 55.4#

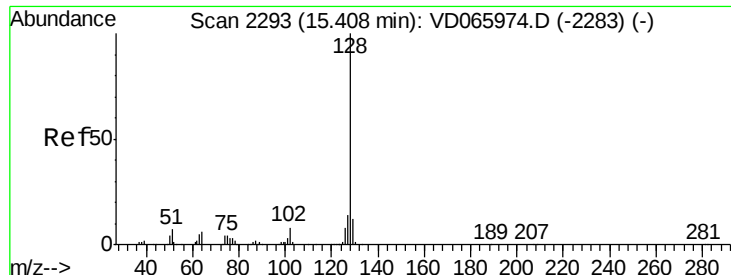


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#95

Naphthalene

Concen: 3.563 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066052.D

Acq: 24 Jul 2020 17:29

Instrument :

MSVOA_D

ClientSampleId :

TP-1-S2

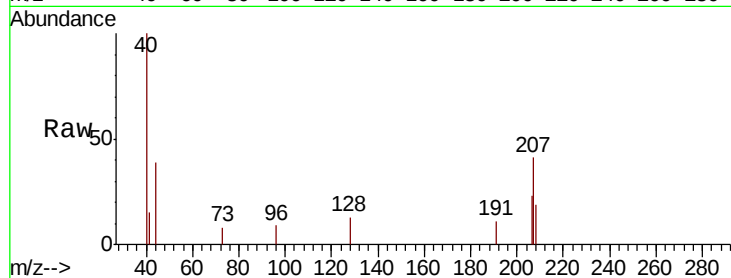
Tot Ion:128 Resp: 142

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 0.0 8.9 13.3#



Abundance Ion 128.00 (127.70 to 128.70): V

300

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

200

100

0

