

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122821\
 Data File : VD071504.D
 Acq On : 28 Dec 2021 15:44
 Operator : VA/SY
 Sample : M5224-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

Quant Time: Dec 28 16:01:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

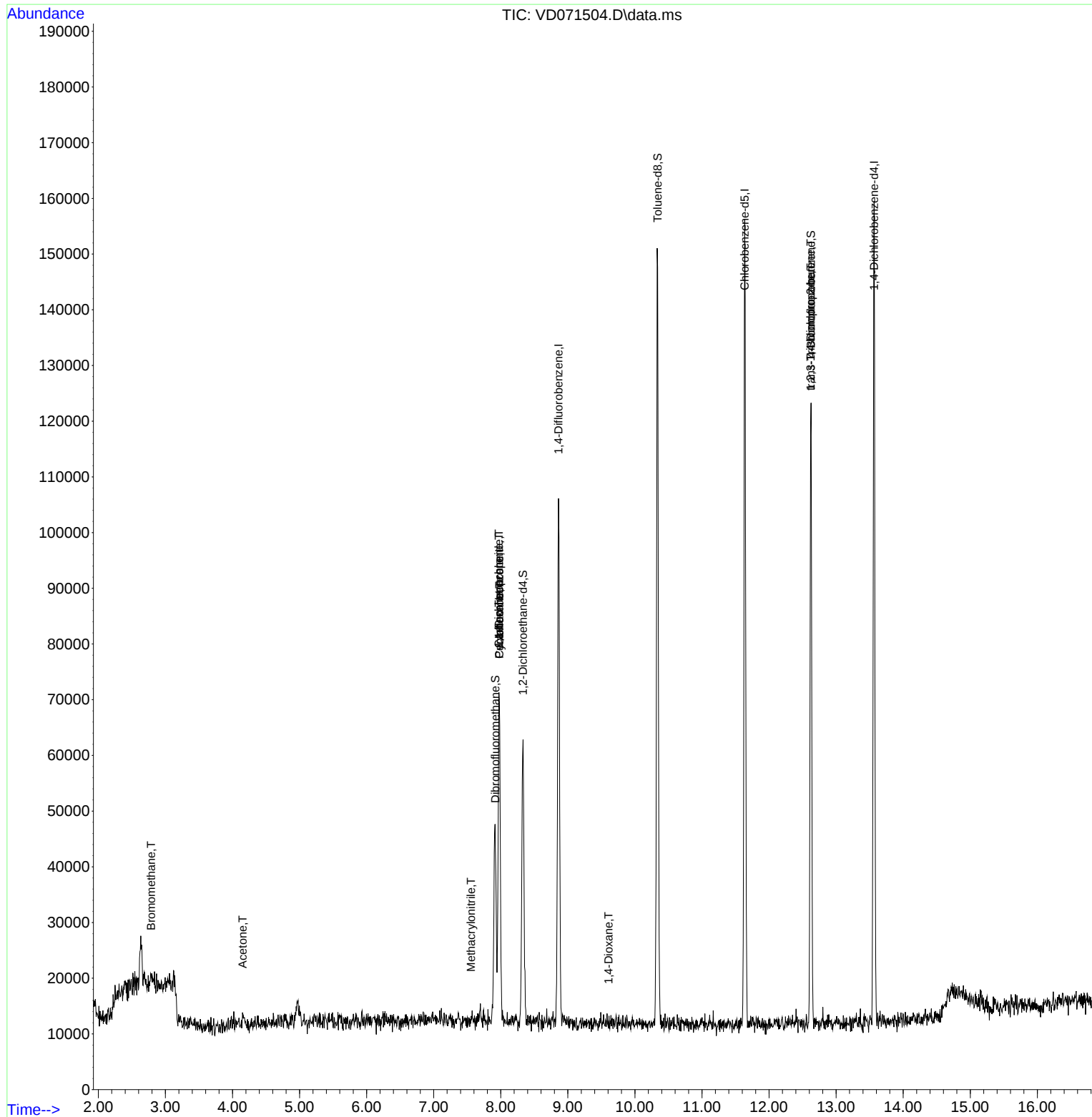
Internal Standards						
1) Pentafluorobenzene	7.979	168	39574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	73857	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	73008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	34453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	40179	76.447	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	152.900%
35) Dibromofluoromethane	7.920	113	24123	48.598	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.200%
50) Toluene-d8	10.338	98	90147	48.057	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	96.120%
62) 4-Bromofluorobenzene	12.626	95	35848	53.780	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.560%
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	794	1.784	ug/l #	32
11) Tert butyl alcohol	5.203	59	74	Below Cal	#	1
16) Acetone	4.150	43	1101	8.340	ug/l #	86
20) Methylene Chloride	4.961	84	2947	Below Cal	#	63
31) Cyclohexane	7.979	56	1235	1.383	ug/l #	40
36) 1,1-Dichloropropene	7.973	75	3553	4.480	ug/l #	46
38) Carbon Tetrachloride	7.973	117	4393	5.615	ug/l #	18
41) Methacrylonitrile	7.555	41	250	1.150	ug/l #	21
49) 1,4-Dioxane	9.608	88	61	17.662	ug/l #	7
76) 1,2,3-Trichloropropane	12.620	75	20253	49.474	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	20253	139.791	ug/l #	18

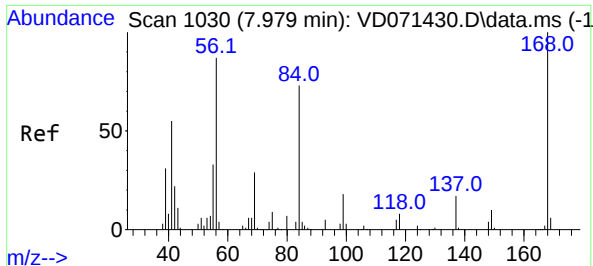
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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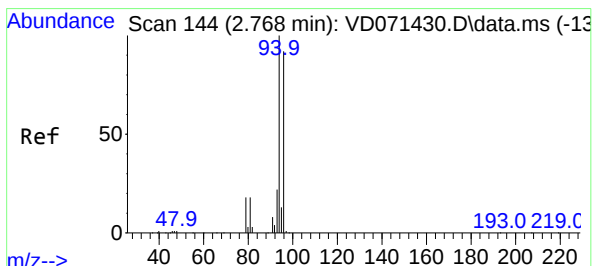
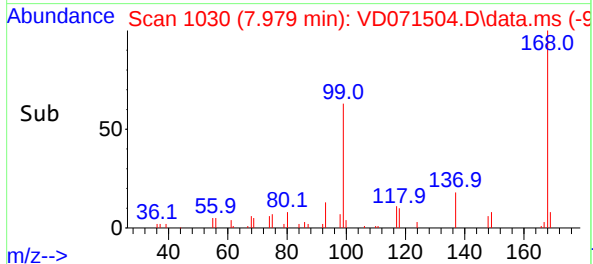
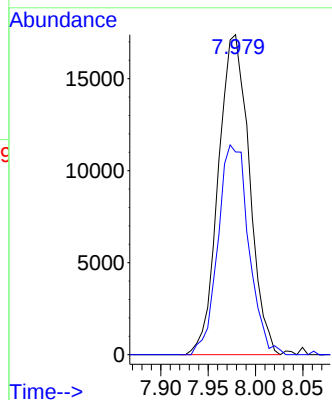
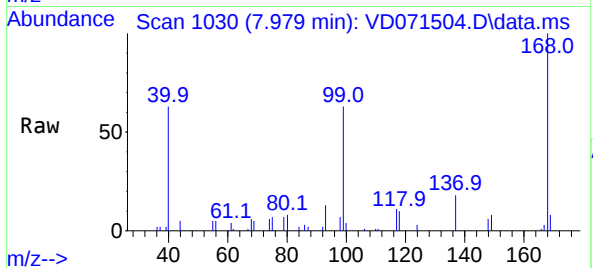




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

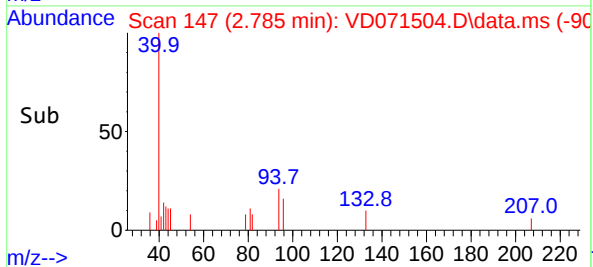
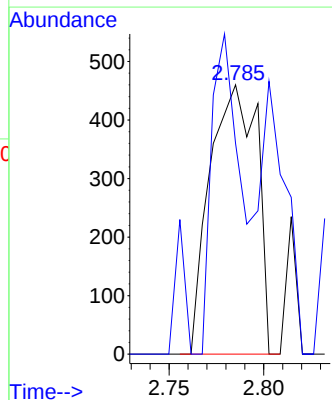
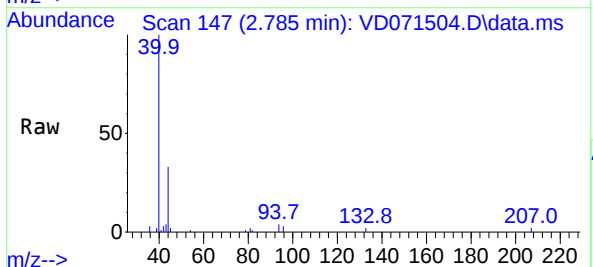
Instrument :
MSVOA_D
ClientSampleId :
SB-3

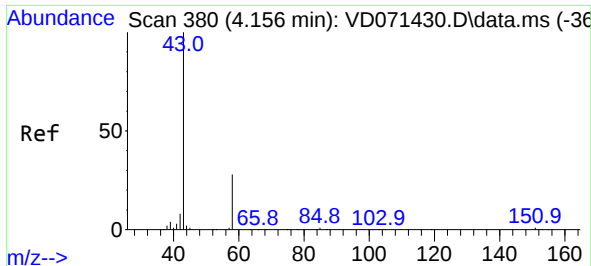
Tgt Ion:168 Resp: 39574
Ion Ratio Lower Upper
168 100
99 63.3 46.6 69.8



#5
Bromomethane
Concen: 1.784 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.035 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

Tgt Ion: 94 Resp: 794
Ion Ratio Lower Upper
94 100
96 28.3 74.8 112.2#

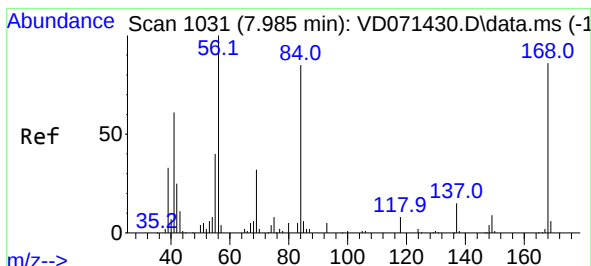
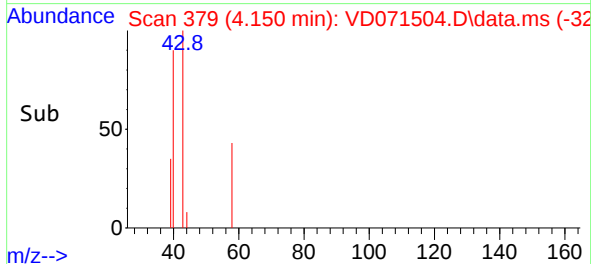
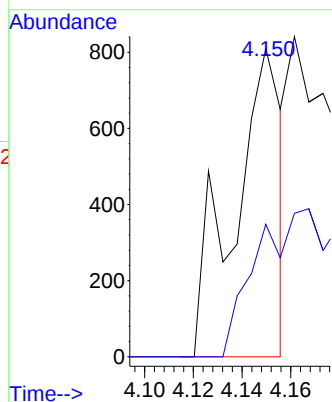
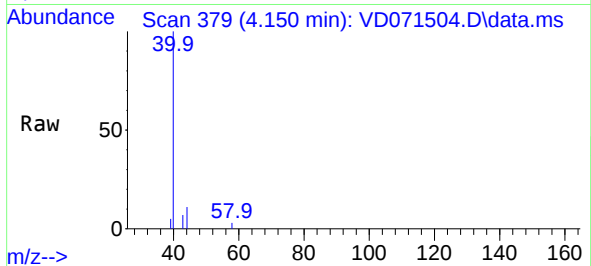




#16
Acetone
Concen: 8.340 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

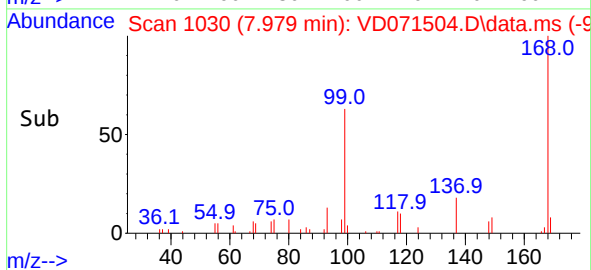
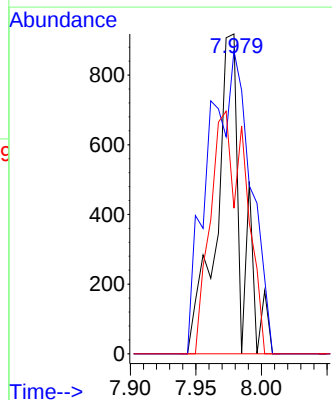
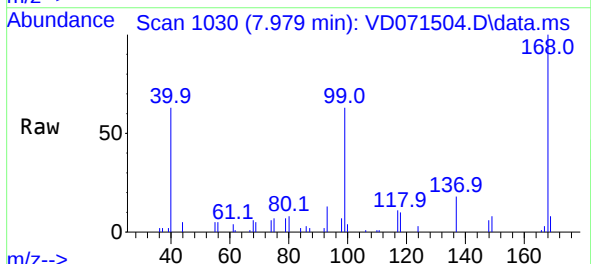
Instrument :
MSVOA_D
ClientSampleId :
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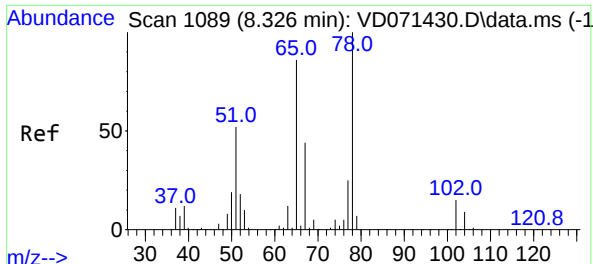
Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
58 43.0 27.8 41.8#



#31
Cyclohexane
Concen: 1.383 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

Tgt Ion: 56 Resp: 1235
Ion Ratio Lower Upper
56 100
69 94.8 25.9 38.9#
84 45.5 64.3 96.5#

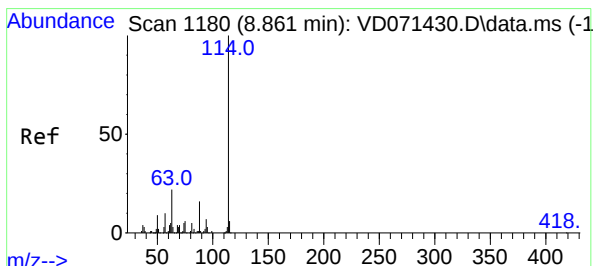
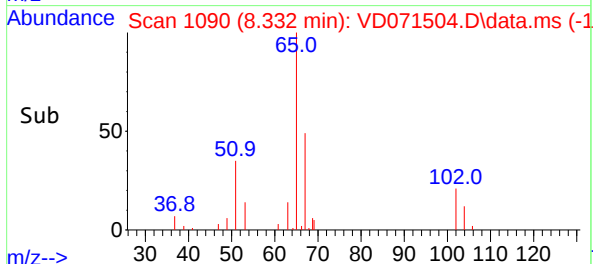
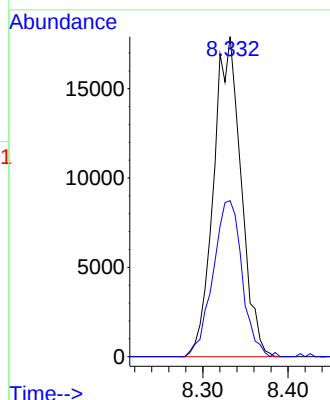
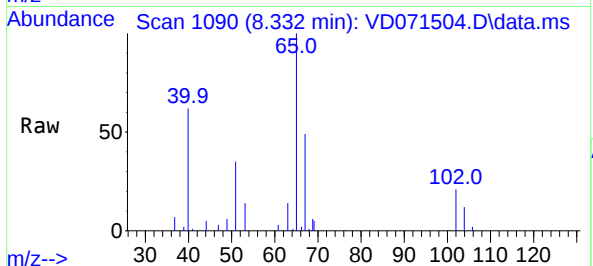




#33
1,2-Dichloroethane-d4
Concen: 76.447 ug/l
RT: 8.332 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

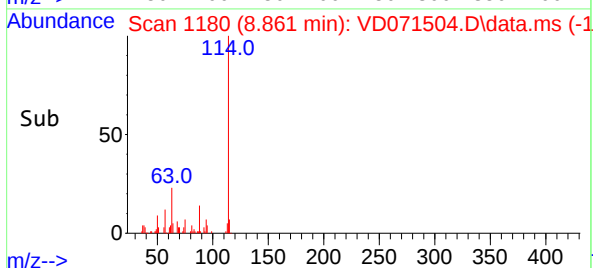
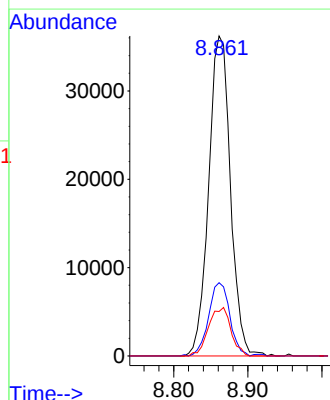
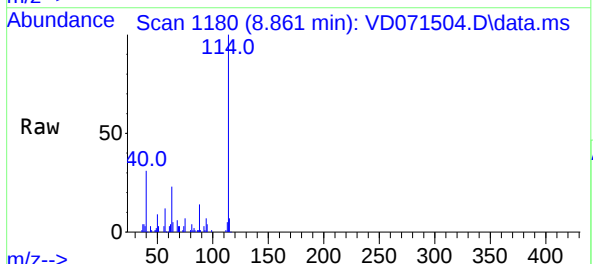
Instrument :
MSVOA_D
ClientSampleId :
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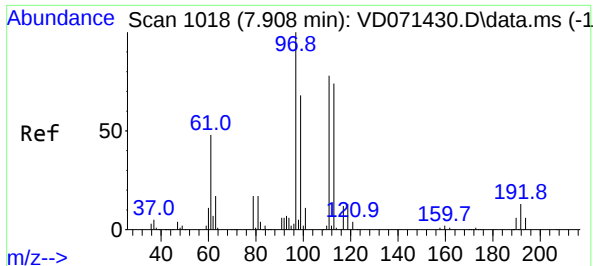
Tgt Ion: 65 Resp: 40179
Ion Ratio Lower Upper
65 100
67 51.5 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

Tgt Ion:114 Resp: 73857
Ion Ratio Lower Upper
114 100
63 22.9 0.0 41.8
88 13.9 0.0 32.8

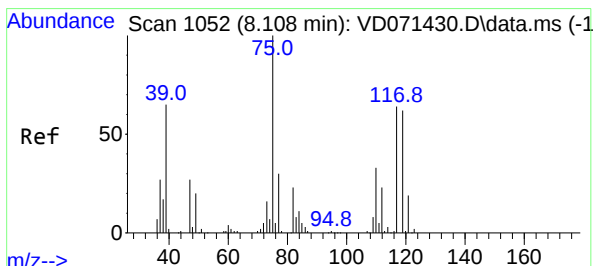
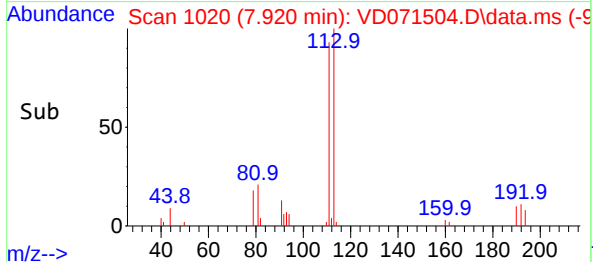
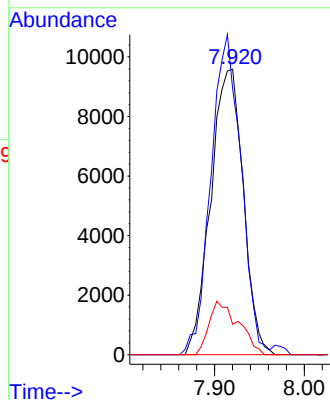
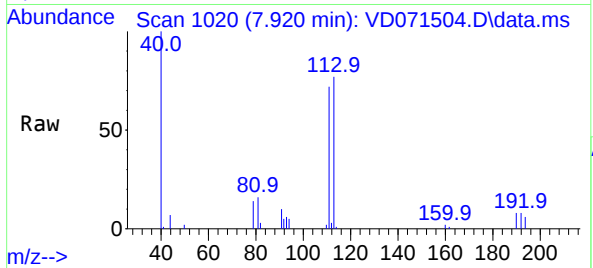




#35
Dibromofluoromethane
Concen: 48.598 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.012 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

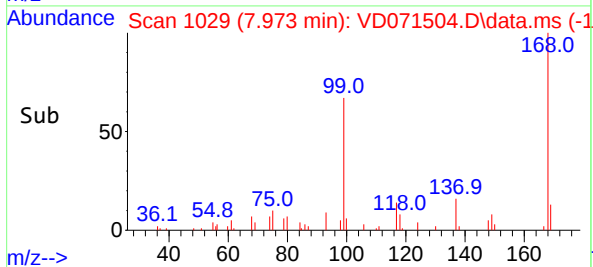
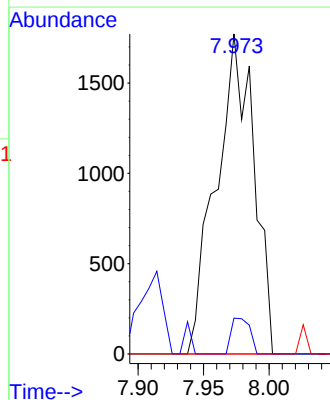
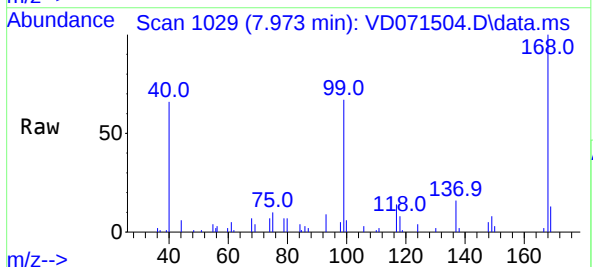
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ClientSampleId :
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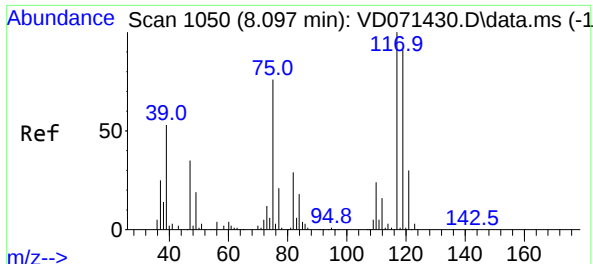
Tgt Ion:	113	Resp:	24123
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.0	123.0
192	16.9	15.2	22.8



#36
1,1-Dichloropropene
Concen: 4.480 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

Tgt Ion:	75	Resp:	3553
Ion	Ratio	Lower	Upper
75	100		
110	5.5	17.8	53.4#
77	0.0	24.8	37.2#

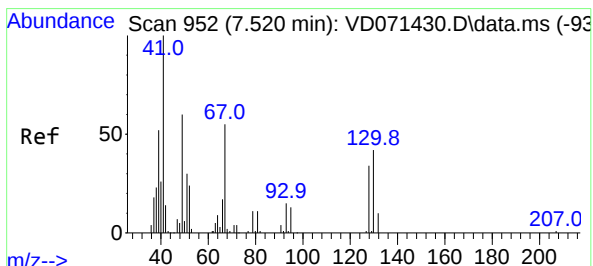
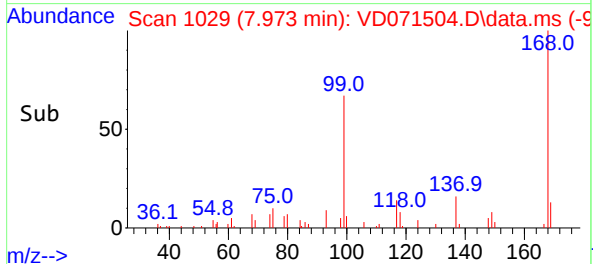
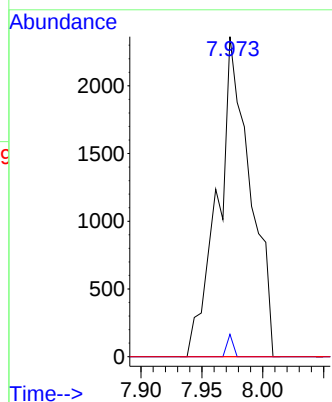
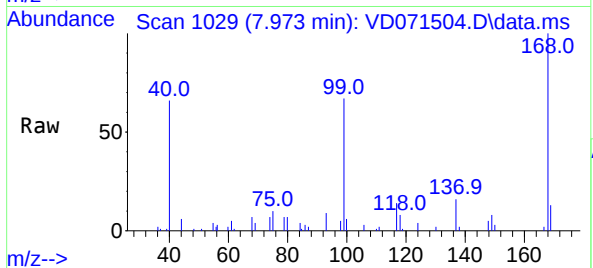




#38
Carbon Tetrachloride
Concen: 5.615 ug/l
RT: 7.973 min Scan# 1050
Delta R.T. -0.124 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

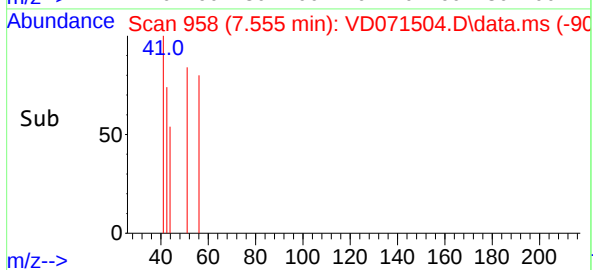
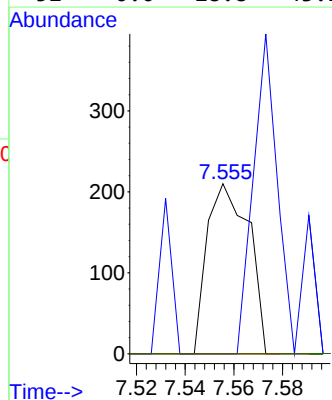
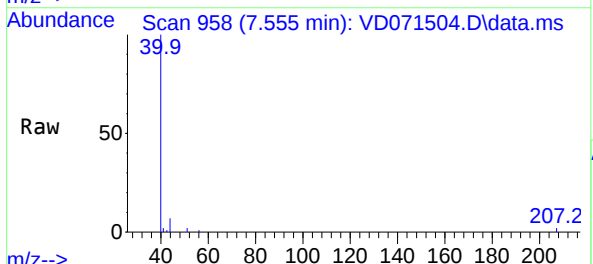
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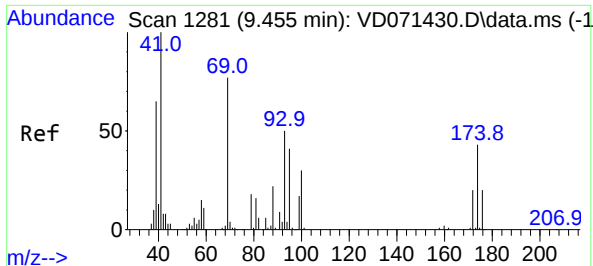
Tgt Ion:117 Resp: 4393
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 1.150 ug/l
RT: 7.555 min Scan# 958
Delta R.T. 0.029 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

Tgt Ion: 41 Resp: 250
Ion Ratio Lower Upper
41 100
39 131.6 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#

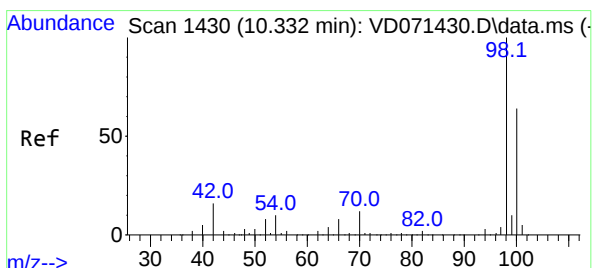
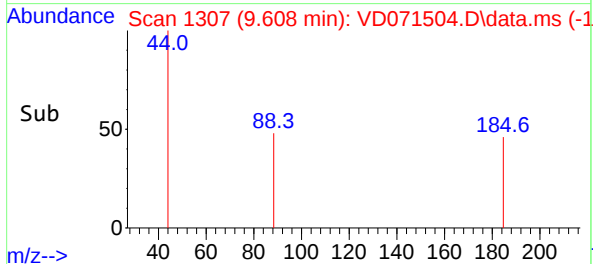
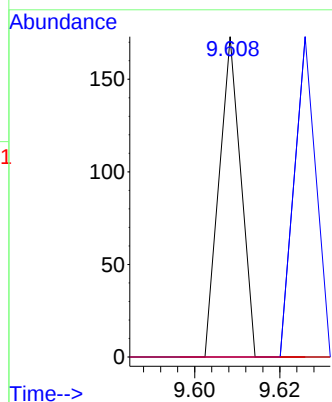
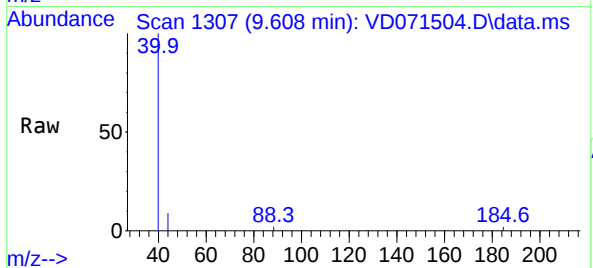




#49
1,4-Dioxane
Concen: 17.662 ug/l
RT: 9.608 min Scan# 11
Delta R.T. 0.153 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

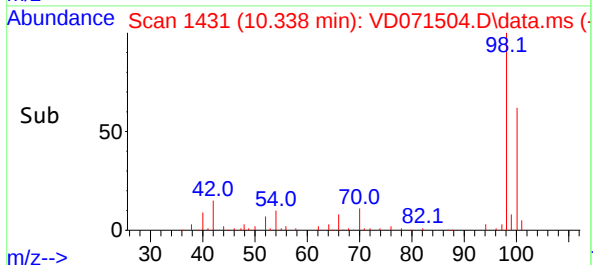
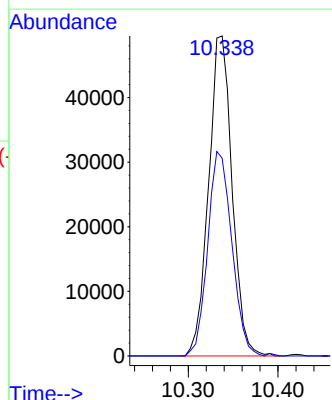
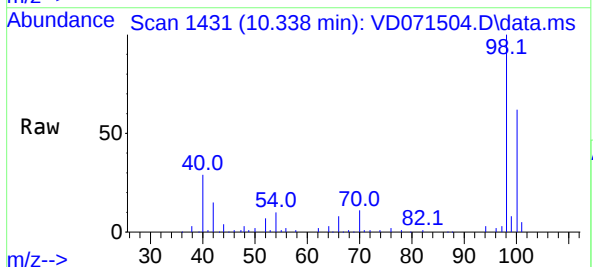
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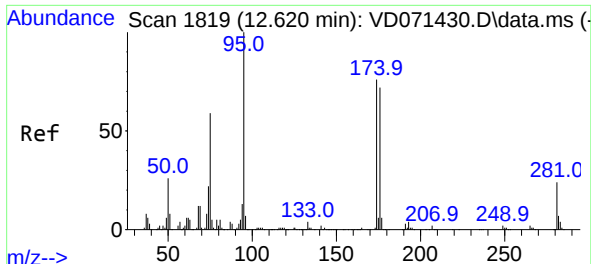
Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 100.0 28.9 43.3#
58 0.0 56.3 84.5#



#50
Toluene-d8
Concen: 48.057 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

Tgt Ion: 98 Resp: 90147
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6



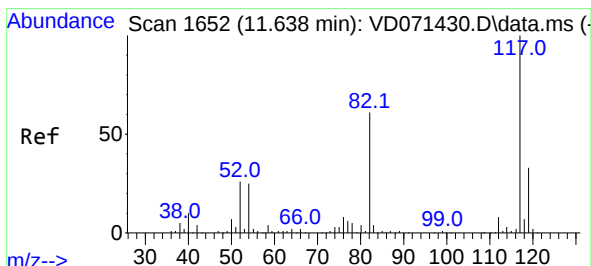
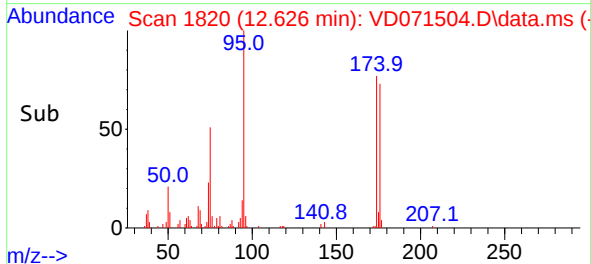
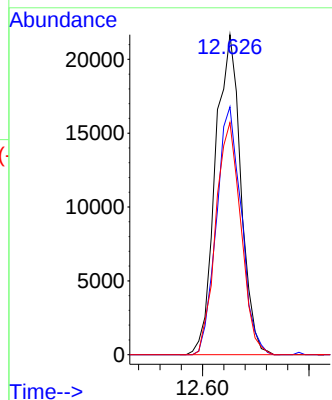
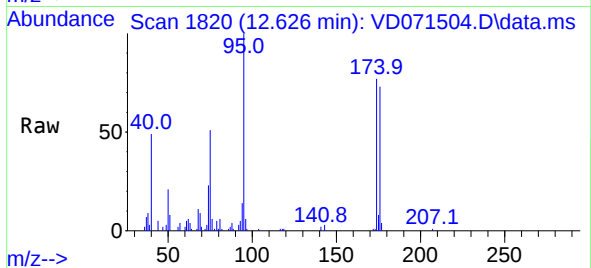


#62
4-Bromofluorobenzene
Concen: 53.780 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion: 95 Resp: 35848

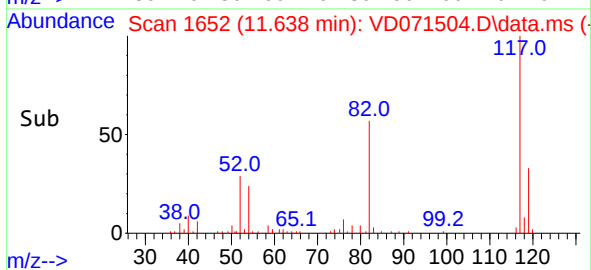
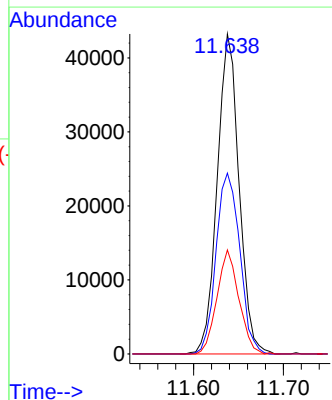
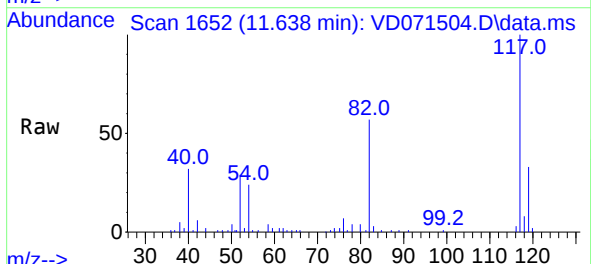
Ion	Ratio	Lower	Upper
95	100		
174	75.8	0.0	159.4
176	71.7	0.0	154.0

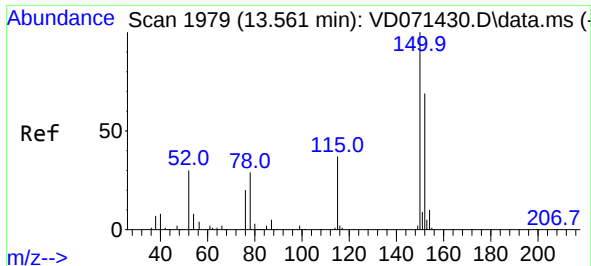


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

Tgt Ion: 117 Resp: 73008

Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.7	67.1
119	32.5	26.2	39.4

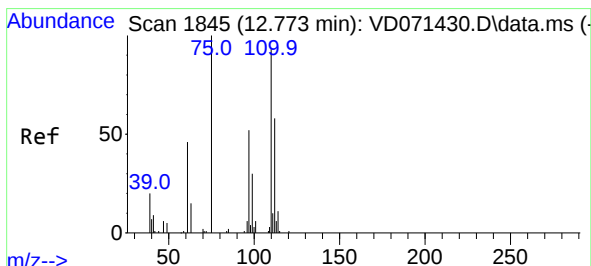
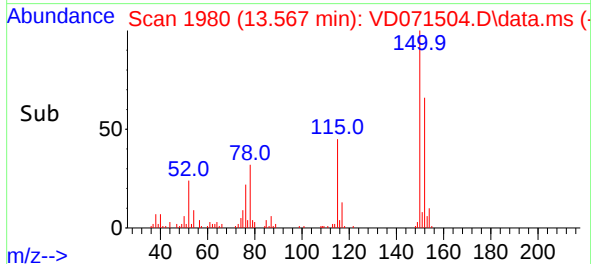
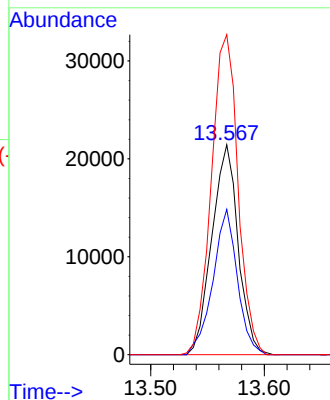
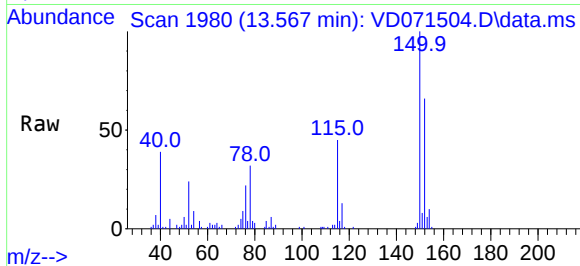




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1819
 Delta R.T. 0.006 min
 Lab File: VD071504.D
 Acq: 28 Dec 2021 15:44

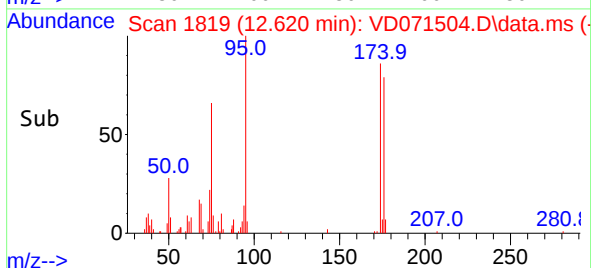
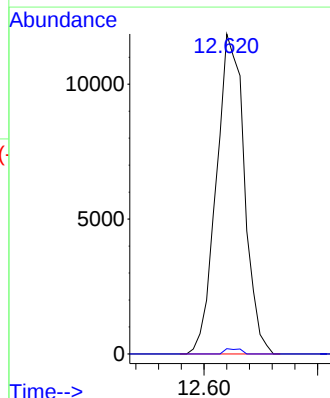
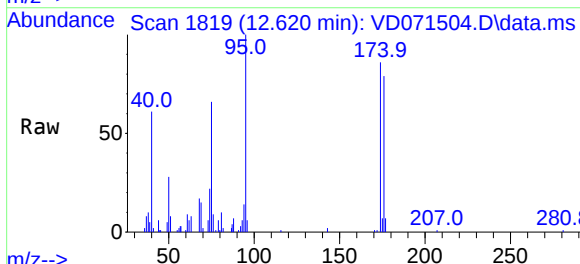
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3

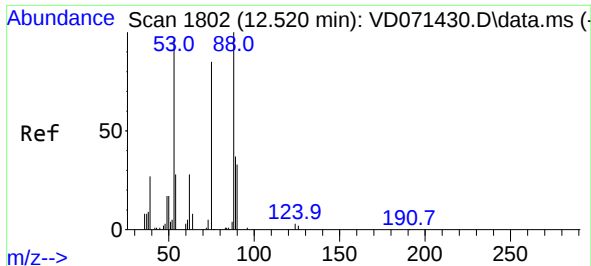
Tgt Ion:152 Resp: 34453
 Ion Ratio Lower Upper
 152 100
 115 64.5 29.8 89.3
 150 154.7 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 49.474 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD071504.D
 Acq: 28 Dec 2021 15:44

Tgt Ion: 75 Resp: 20253
 Ion Ratio Lower Upper
 75 100
 77 1.0 158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 139.791 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.100 min
Lab File: VD071504.D
Acq: 28 Dec 2021 15:44

Instrument :
MSVOA_D
ClientSampleId :
SB-3

Tgt Ion: 75 Resp: 20253
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.5 34.5 51.7#

