

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081222\
 Data File : VD074063.D
 Acq On : 12 Aug 2022 15:20
 Operator : VA/SY
 Sample : N4107-09
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 23:47:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 14:55:58 2022
 Response via : Initial Calibration

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

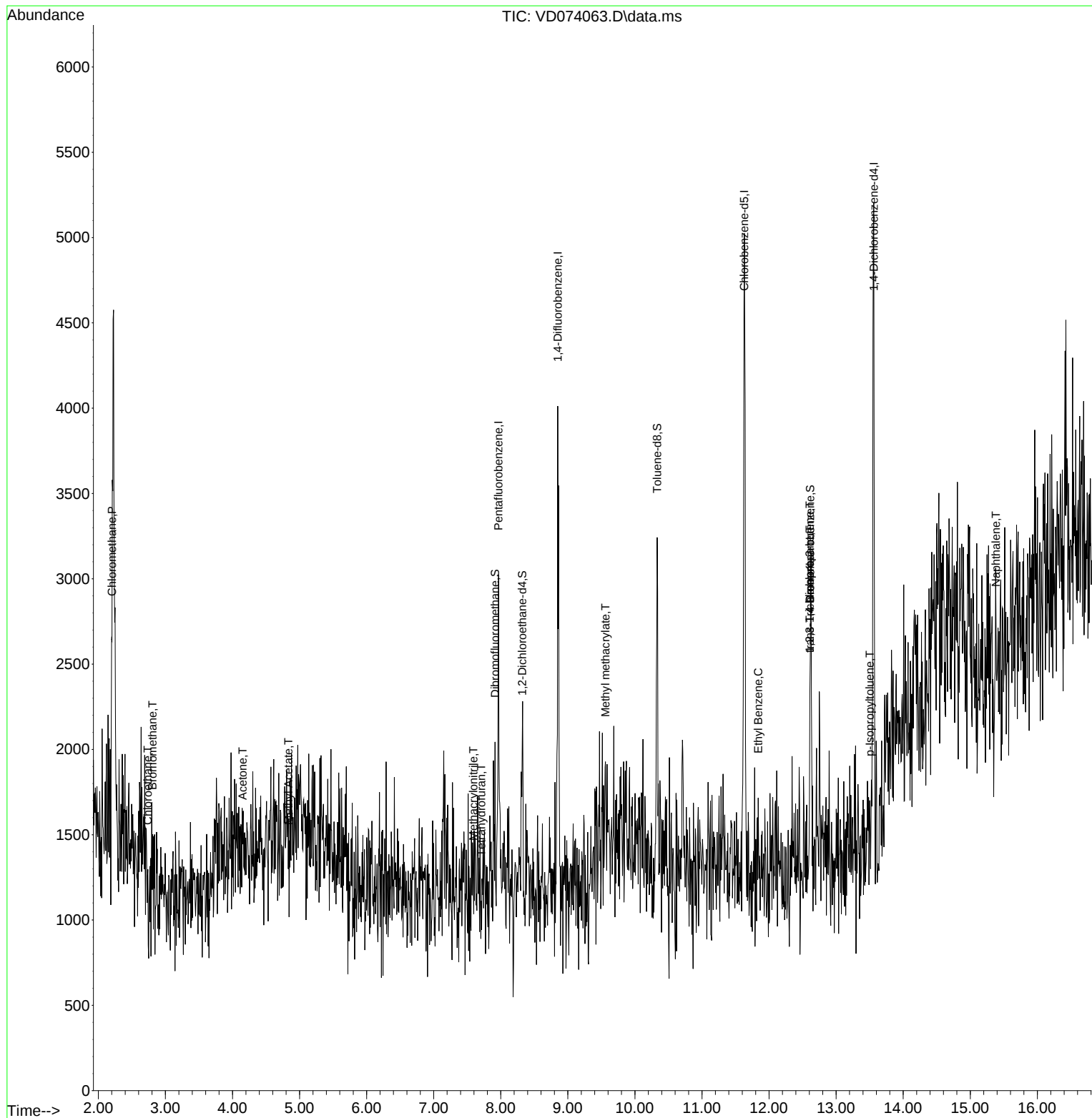
Internal Standards						
1) Pentafluorobenzene	7.967	168	1500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	2414	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	2322	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	995	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	662	56.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.000%	
35) Dibromofluoromethane	7.914	113	425	26.507	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 53.020%#	
50) Toluene-d8	10.332	98	1600	36.631	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 73.260%	
62) 4-Bromofluorobenzene	12.614	95	862	43.718	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 87.440%	
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	149	2.883	ug/l #	40
5) Bromomethane	2.809	94	139	6.320	ug/l #	4
6) Chloroethane	2.738	64	63	2.758	ug/l #	43
16) Acetone	4.150	43	56	23.332	ug/l #	46
18) Methyl Acetate	4.832	43	53	5.252	ug/l #	49
29) Tetrahydrofuran	7.708	42	67	28.995	ug/l #	31
41) Methacrylonitrile	7.591	41	67	14.119	ug/l #	18
48) Methyl methacrylate	9.561	41	55	6.945	ug/l #	6
67) Ethyl Benzene	11.838	91	90	1.043	ug/l #	44
76) 1,2,3-Trichloropropane	12.608	75	373	41.059	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.608	75	373	109.586	ug/l #	13
86) p-Isopropyltoluene	13.502	119	115	1.787	ug/l #	50
95) Naphthalene	15.384	128	64	2.088	ug/l #	69

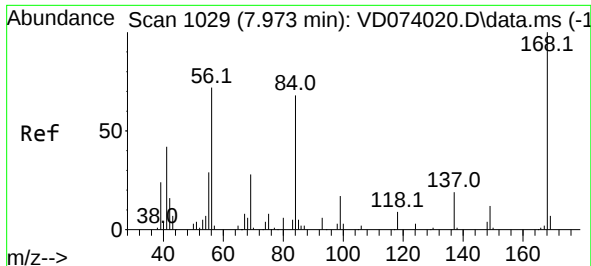
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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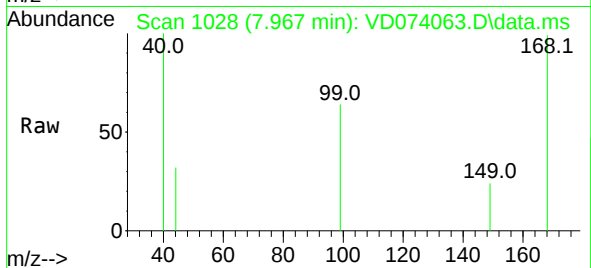
Quant Time: Aug 12 23:47:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081022S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 14:55:58 2022
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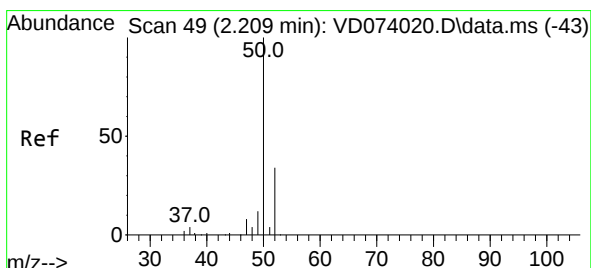
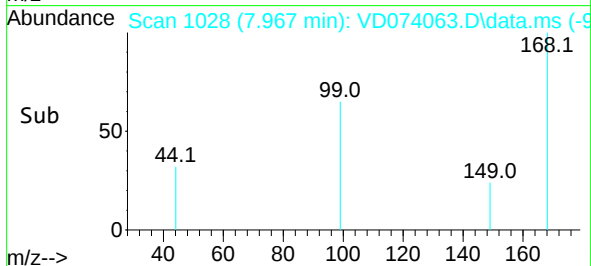
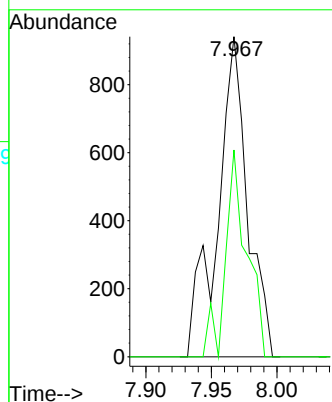


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

Instrument :
MSVOA_D
ClientSampleId :

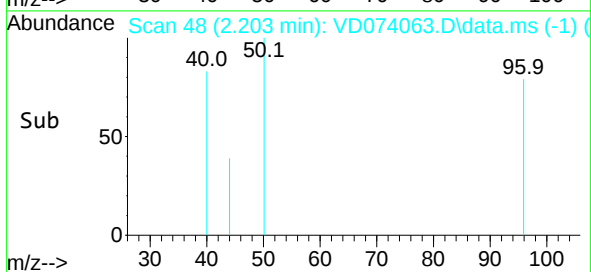
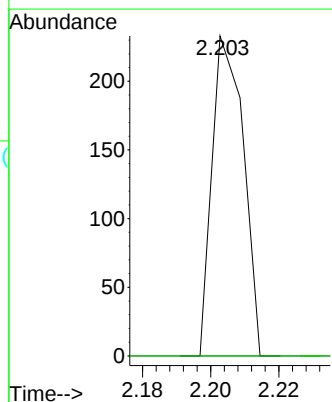
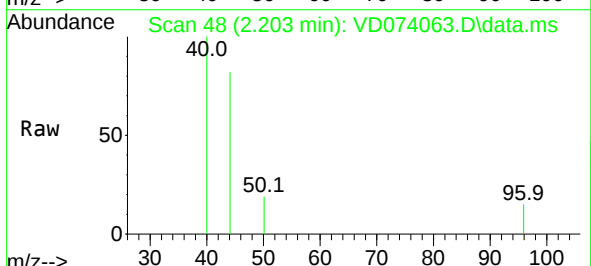


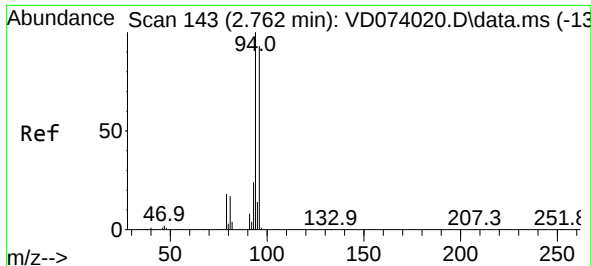
Tgt Ion:168 Resp: 1500
Ion Ratio Lower Upper
168 100
99 64.6 48.3 72.5



#3
Chloromethane
Concen: 2.883 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

Tgt Ion: 50 Resp: 149
Ion Ratio Lower Upper
50 100
52 0.0 28.1 42.1#

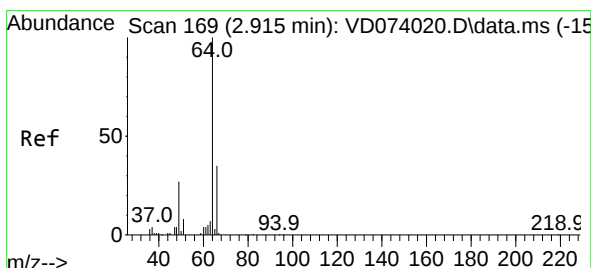
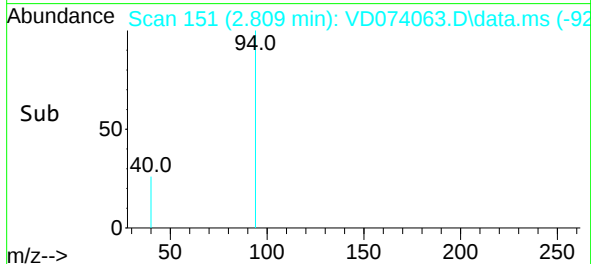
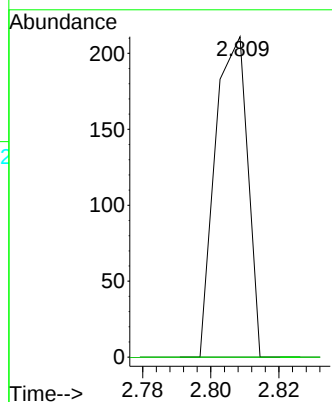
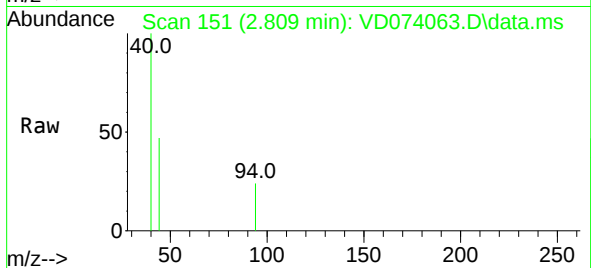




#5
Bromomethane
Concen: 6.320 ug/l
RT: 2.809 min Scan# 11
Delta R.T. 0.047 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

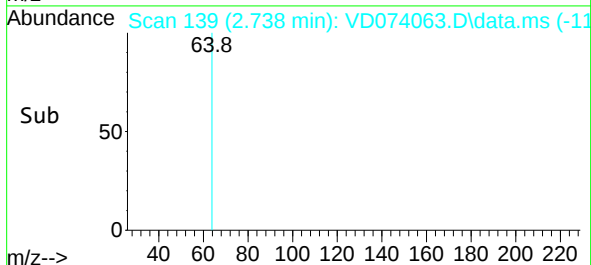
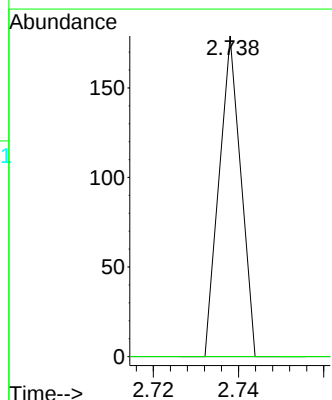
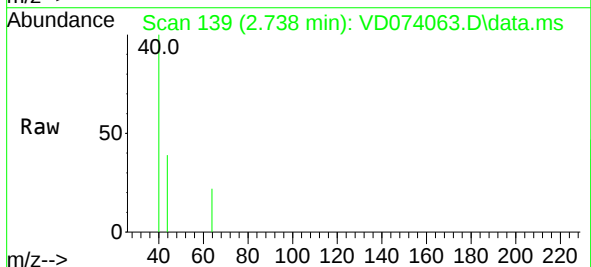
Instrument :
MSVOA_D
ClientSampleId :

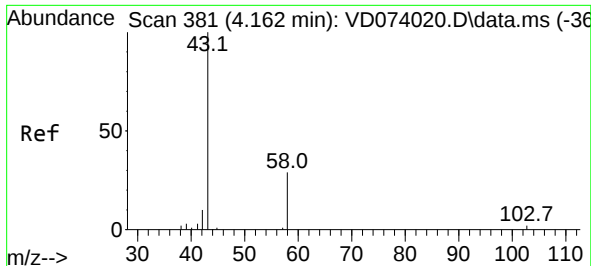
Tgt Ion: 94 Resp: 139
Ion Ratio Lower Upper
94 100
96 0.0 72.0 108.0#



#6
Chloroethane
Concen: 2.758 ug/l
RT: 2.738 min Scan# 139
Delta R.T. -0.177 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

Tgt Ion: 64 Resp: 63
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

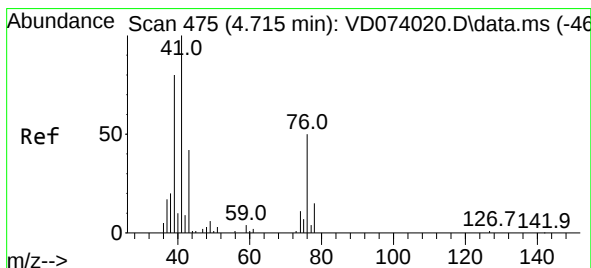
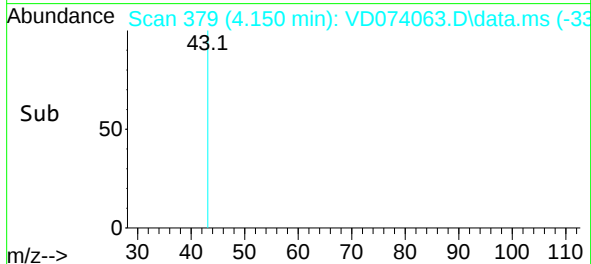
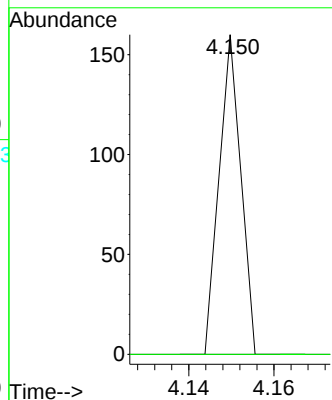
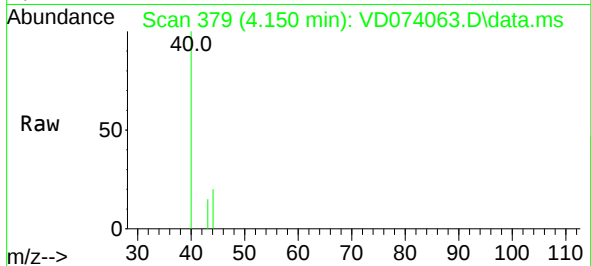




#16
Acetone
Concen: 23.332 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

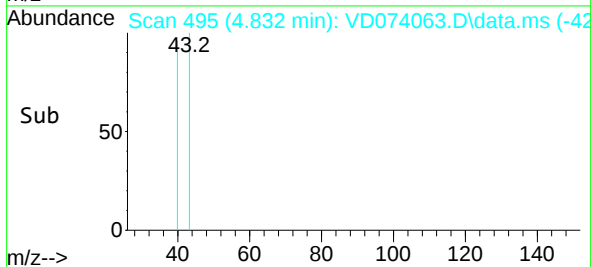
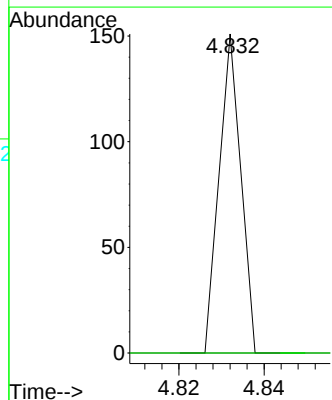
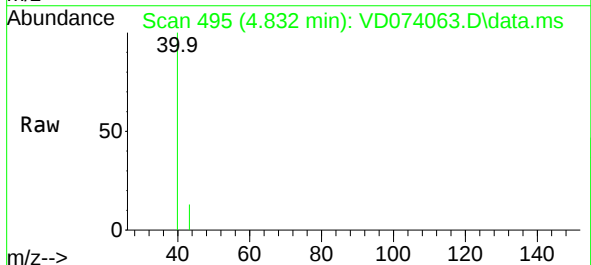
Instrument :
MSVOA_D
ClientSampleId :

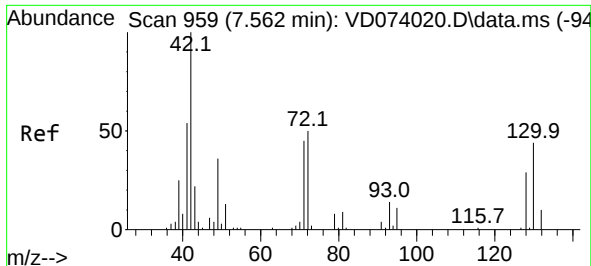
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 22.8 34.2#



#18
Methyl Acetate
Concen: 5.252 ug/l
RT: 4.832 min Scan# 495
Delta R.T. 0.117 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





#29

Tetrahydrofuran

Concen: 28.995 ug/l

RT: 7.708 min Scan# 91

Delta R.T. 0.146 min

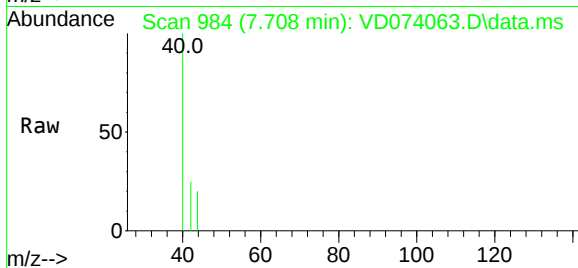
Lab File: VD074063.D

Acq: 12 Aug 2022 15:20

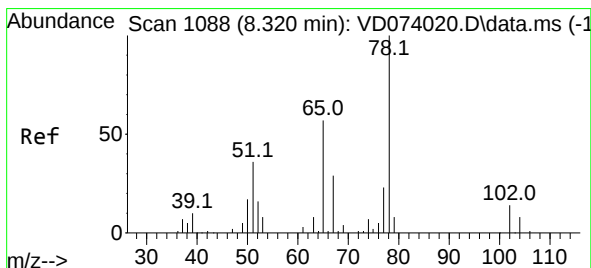
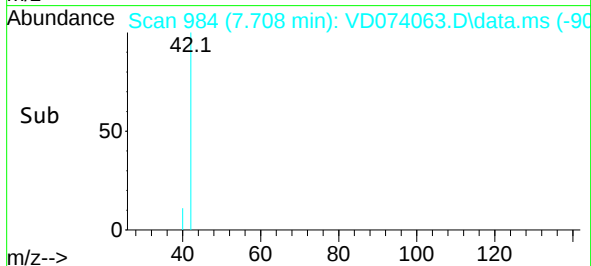
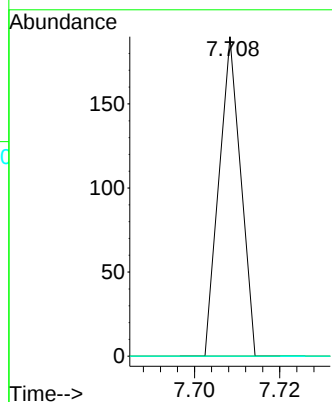
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	67
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.4	56.2#
71	0.0	35.5	53.3#



#33

1,2-Dichloroethane-d4

Concen: 56.998 ug/l

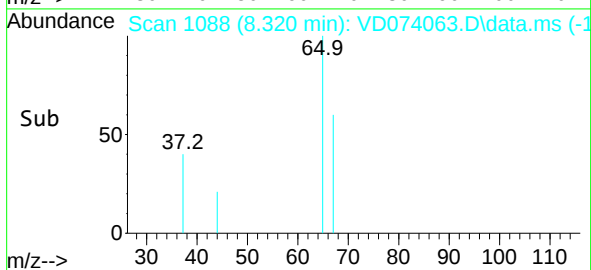
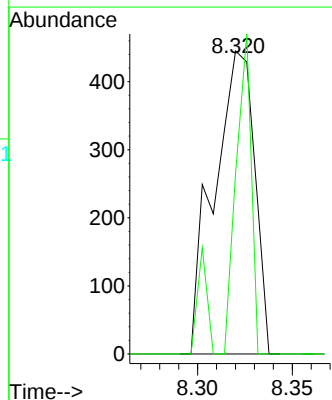
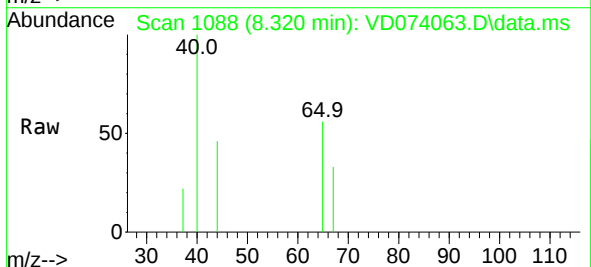
RT: 8.320 min Scan# 1088

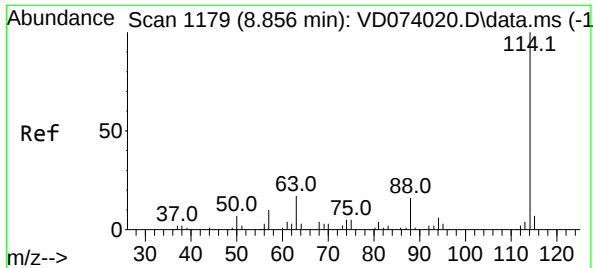
Delta R.T. 0.000 min

Lab File: VD074063.D

Acq: 12 Aug 2022 15:20

Tgt Ion:	65	Resp:	662
Ion	Ratio	Lower	Upper
65	100		
67	39.1	0.0	113.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1178

Delta R.T. -0.006 min

Lab File: VD074063.D

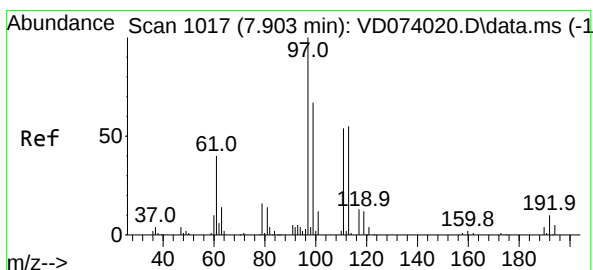
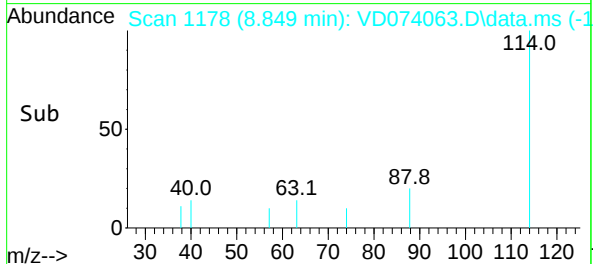
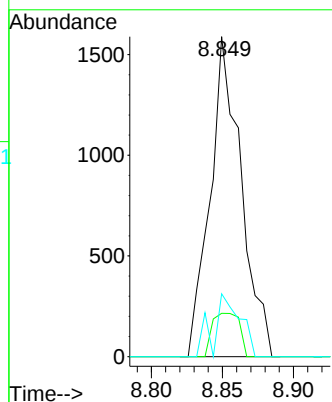
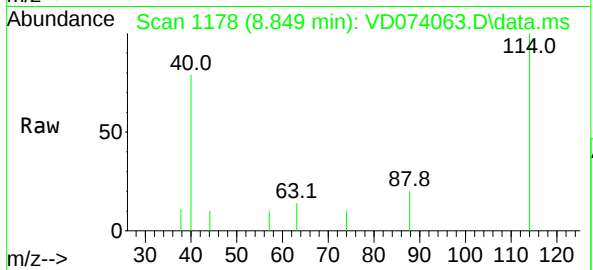
Acq: 12 Aug 2022 15:20

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	2414
Ion Ratio	Lower	Upper
114	100	
63	13.5	0.0 41.0
88	19.6	0.0 31.6



#35

Dibromofluoromethane

Concen: 26.507 ug/l

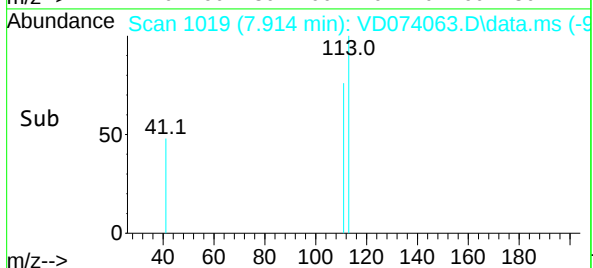
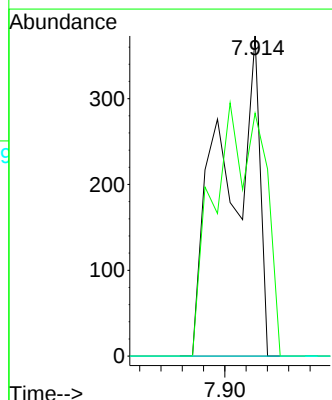
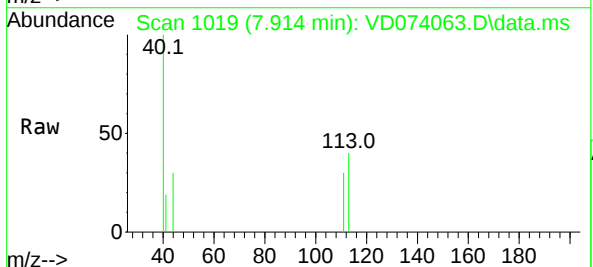
RT: 7.914 min Scan# 1019

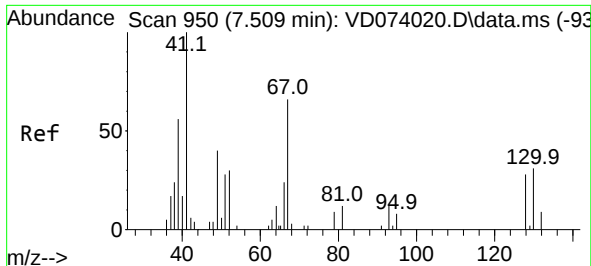
Delta R.T. 0.011 min

Lab File: VD074063.D

Acq: 12 Aug 2022 15:20

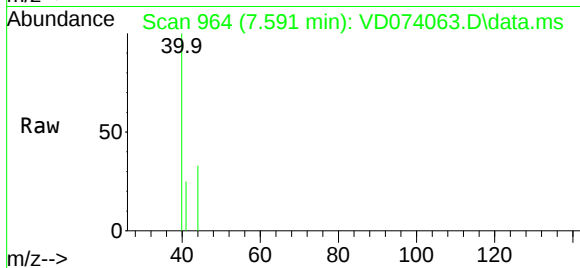
Tgt Ion:113	Resp:	425
Ion Ratio	Lower	Upper
113	100	
111	112.2	80.0 120.0
192	0.0	14.2 21.4



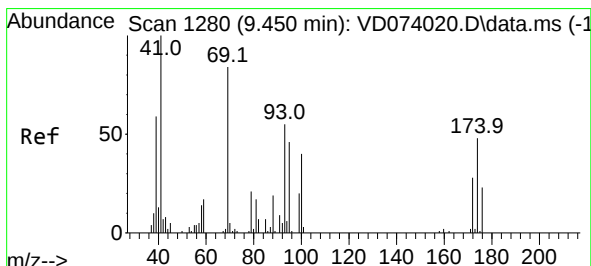
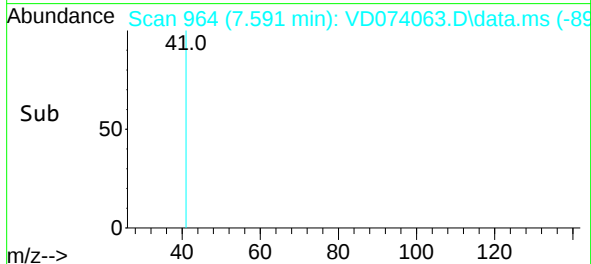
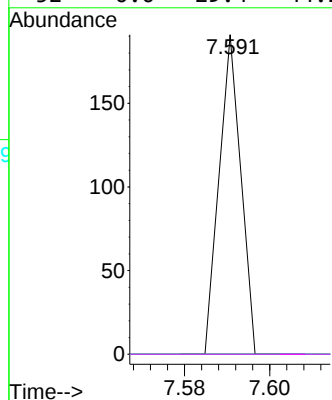


#41
Methacrylonitrile
Concen: 14.119 ug/l
RT: 7.591 min Scan# 90
Delta R.T. 0.082 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

Instrument :
MSVOA_D
ClientSampleId :

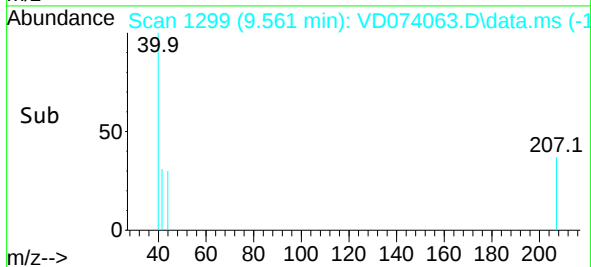
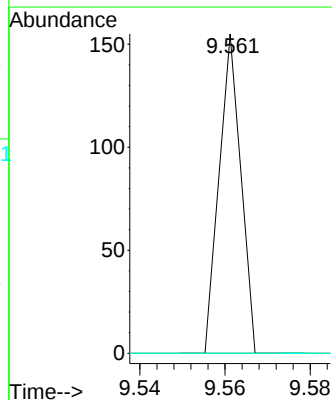
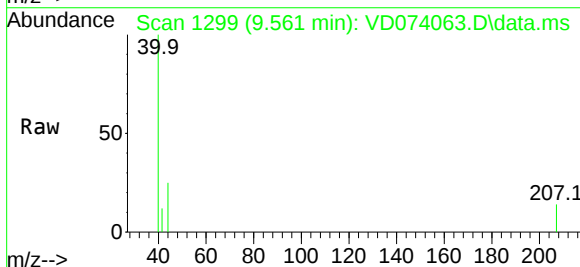


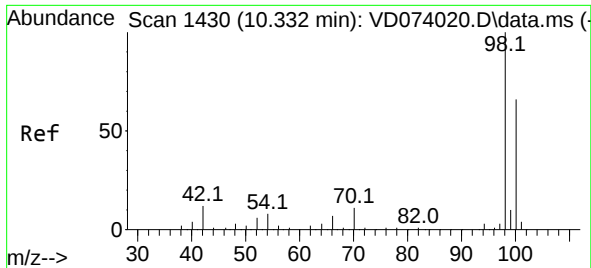
Tgt Ion: 41	Resp: 67
Ion Ratio	Lower Upper
41 100	
39 0.0	48.2 72.4#
67 0.0	66.3 99.5#
52 0.0	29.4 44.2#



#48
Methyl methacrylate
Concen: 6.945 ug/l
RT: 9.561 min Scan# 1299
Delta R.T. 0.111 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

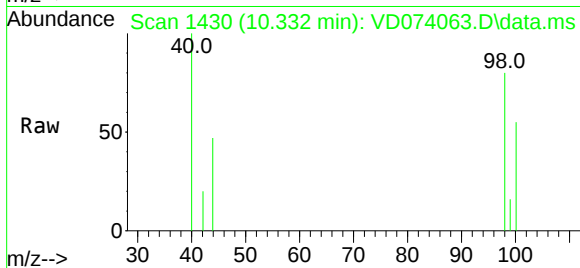
Tgt Ion: 41	Resp:	55	
Ion	Ratio	Lower	Upper
41	100		
69	0.0	77.0	115.4#
39	0.0	59.0	88.6#



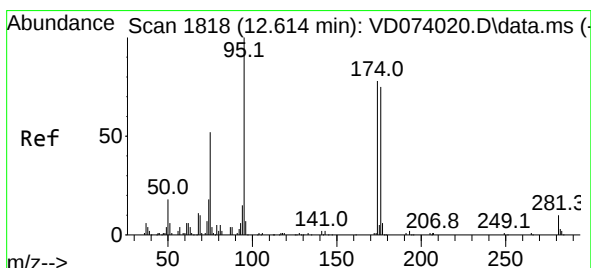
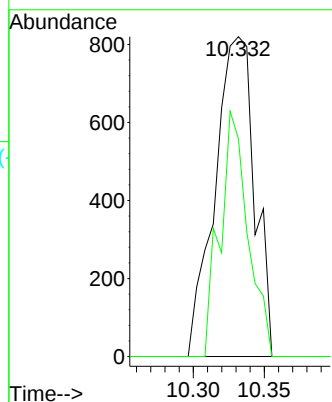
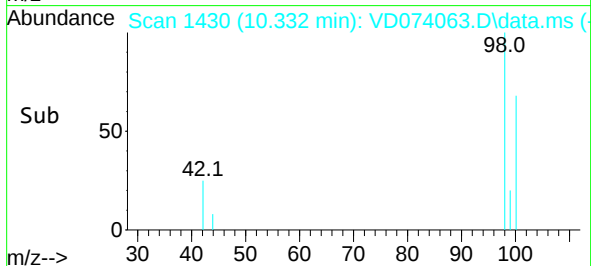


#50
Toluene-d8
Concen: 36.631 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

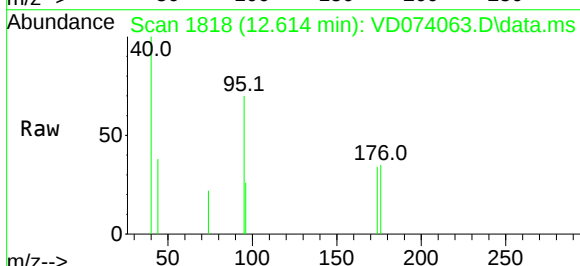
Instrument :
MSVOA_D
ClientSampleId :



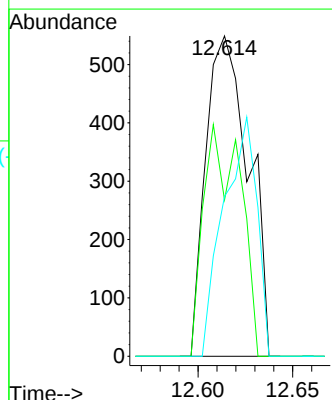
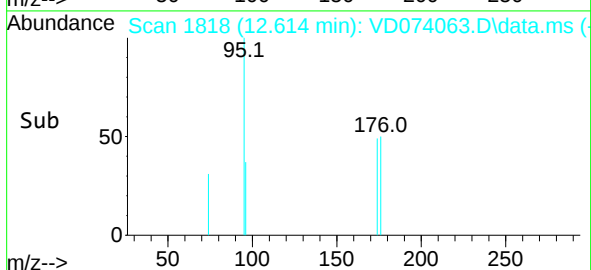
Tgt Ion: 98 Resp: 1600
Ion Ratio Lower Upper
98 100
100 53.9 51.3 76.9

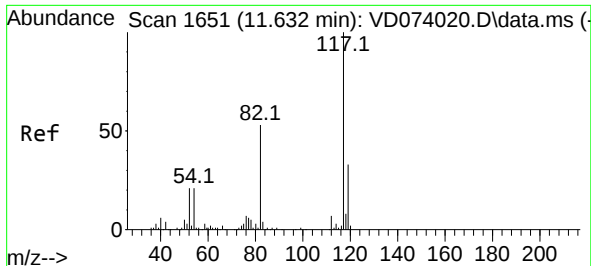


#62
4-Bromofluorobenzene
Concen: 43.718 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. -0.000 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20



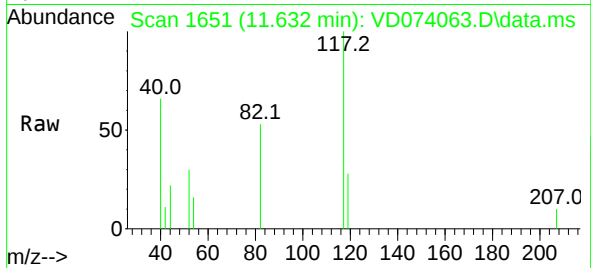
Tgt Ion: 95 Resp: 862
Ion Ratio Lower Upper
95 100
174 62.4 0.0 162.6
176 57.9 0.0 160.0



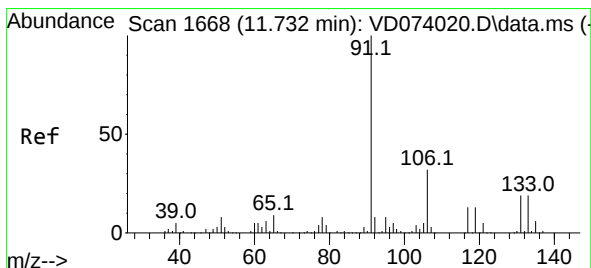
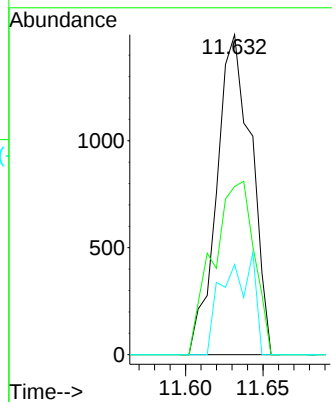
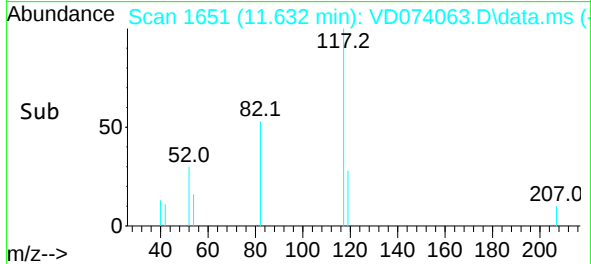


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

Instrument :
MSVOA_D
ClientSampleId :

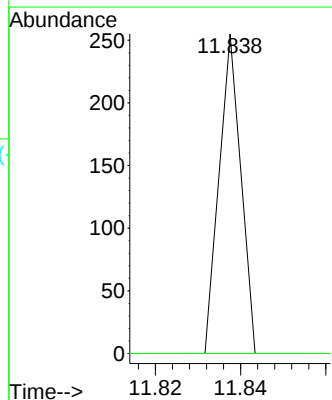
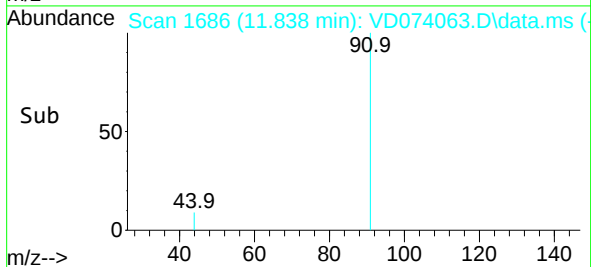
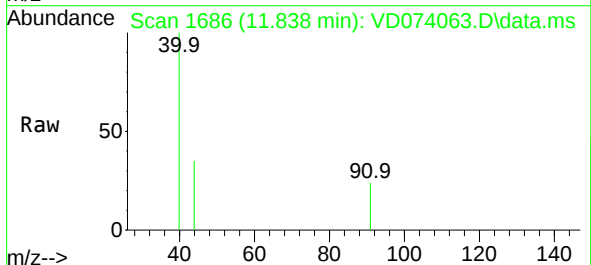


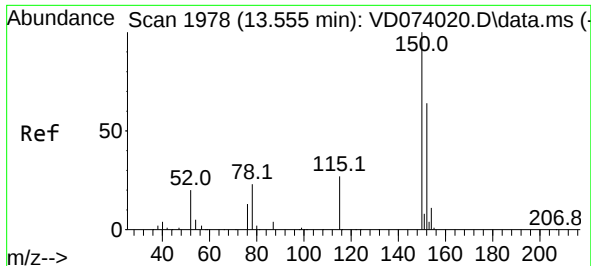
Tgt Ion:117 Resp: 2322
Ion Ratio Lower Upper
117 100
82 52.5 42.7 64.1
119 28.1 25.8 38.8



#67
Ethyl Benzene
Concen: 1.043 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. 0.106 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

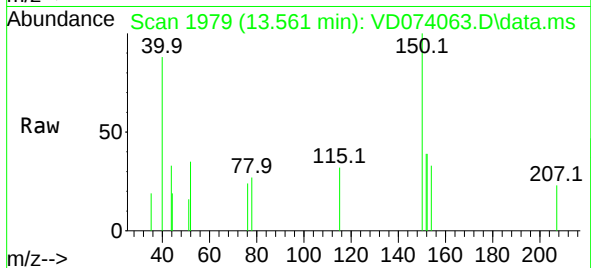
Tgt Ion: 91 Resp: 90
Ion Ratio Lower Upper
91 100
106 0.0 24.7 37.1#



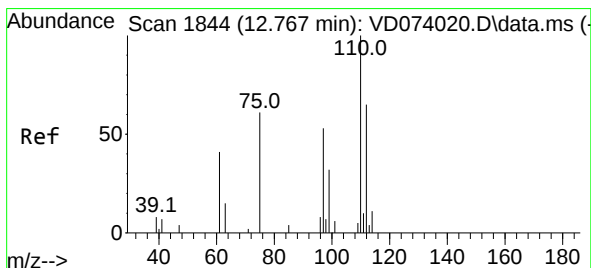
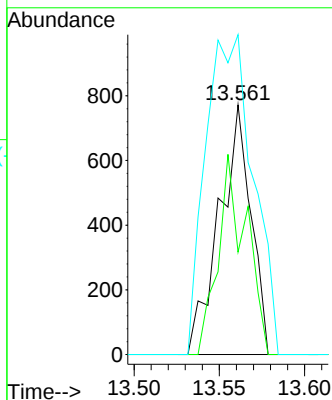
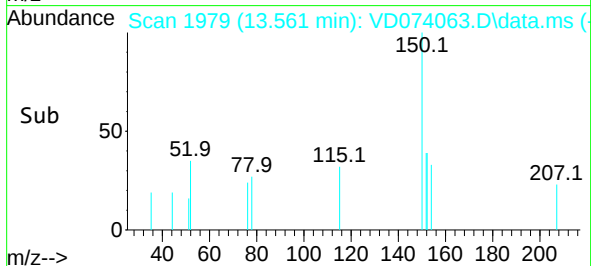


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VD074063.D
 Acq: 12 Aug 2022 15:20

Instrument :
 MSVOA_D
 ClientSampleId :

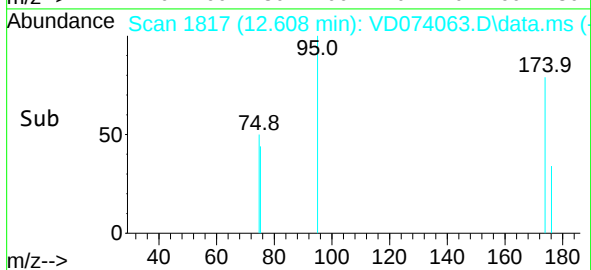
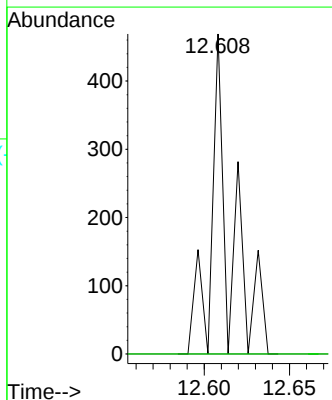
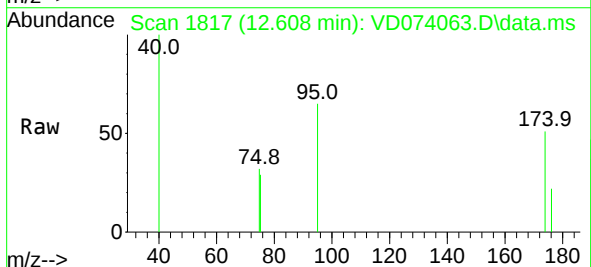


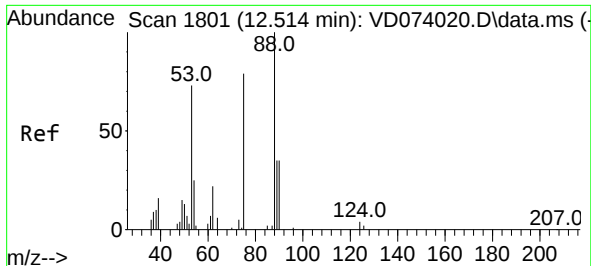
Tgt Ion:152 Resp: 995
 Ion Ratio Lower Upper
 152 100
 115 71.6 29.9 89.8
 150 192.7 0.0 342.8



#76
 1,2,3-Trichloropropane
 Concen: 41.059 ug/l
 RT: 12.608 min Scan# 1817
 Delta R.T. -0.159 min
 Lab File: VD074063.D
 Acq: 12 Aug 2022 15:20

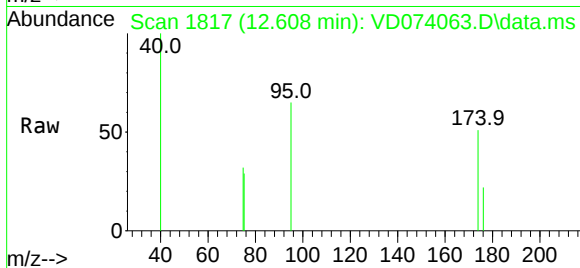
Tgt Ion: 75 Resp: 373
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



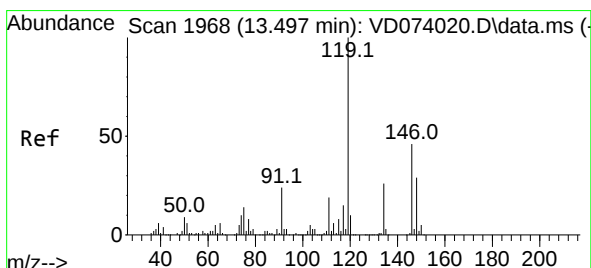
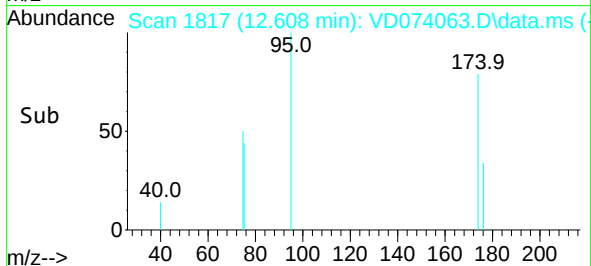
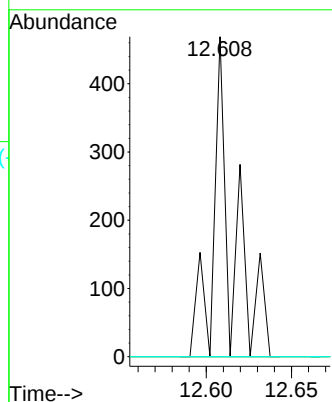


#81
trans-1,4-Dichloro-2-butene
Concen: 109.586 ug/l
RT: 12.608 min Scan# 1801
Delta R.T. 0.094 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

Instrument :
MSVOA_D
ClientSampleId :

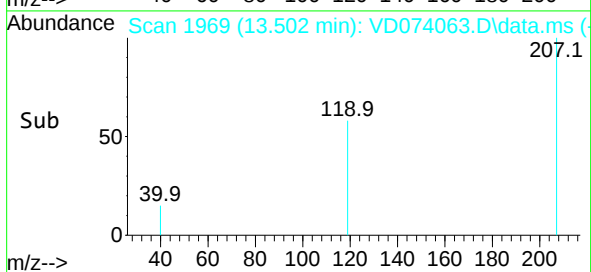
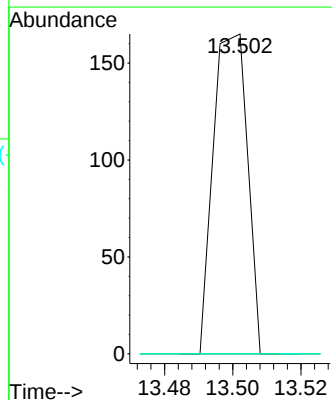
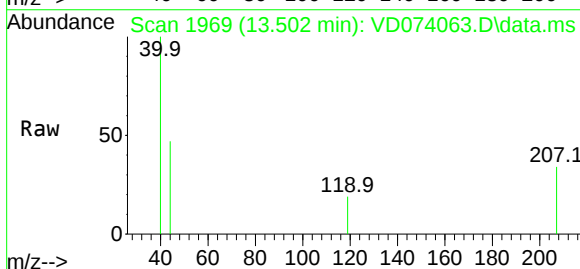


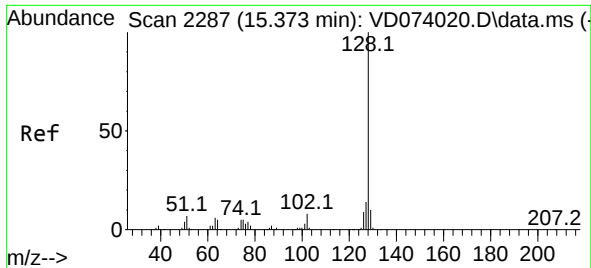
Tgt Ion: 75 Resp: 373
Ion Ratio Lower Upper
75 100
53 0.0 71.3 106.9#
89 0.0 38.3 57.5#



#86
p-Isopropyltoluene
Concen: 1.787 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.005 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

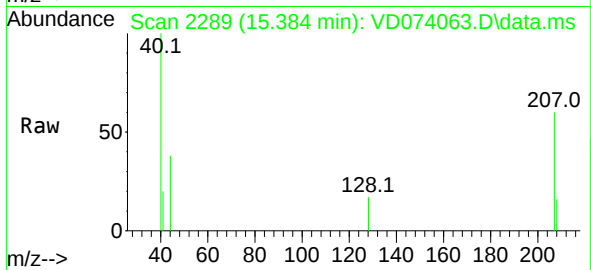
Tgt Ion: 119 Resp: 115
Ion Ratio Lower Upper
119 100
134 0.0 13.1 39.3#
91 0.0 11.7 35.0#





#95
Naphthalene
Concen: 2.088 ug/l
RT: 15.384 min Scan# 21
Delta R.T. 0.011 min
Lab File: VD074063.D
Acq: 12 Aug 2022 15:20

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.5	12.7#

