

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081224\
 Data File : VD079709.D
 Acq On : 12 Aug 2024 14:08
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 13 01:28:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 13 01:06:11 2024
 Response via : Initial Calibration

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

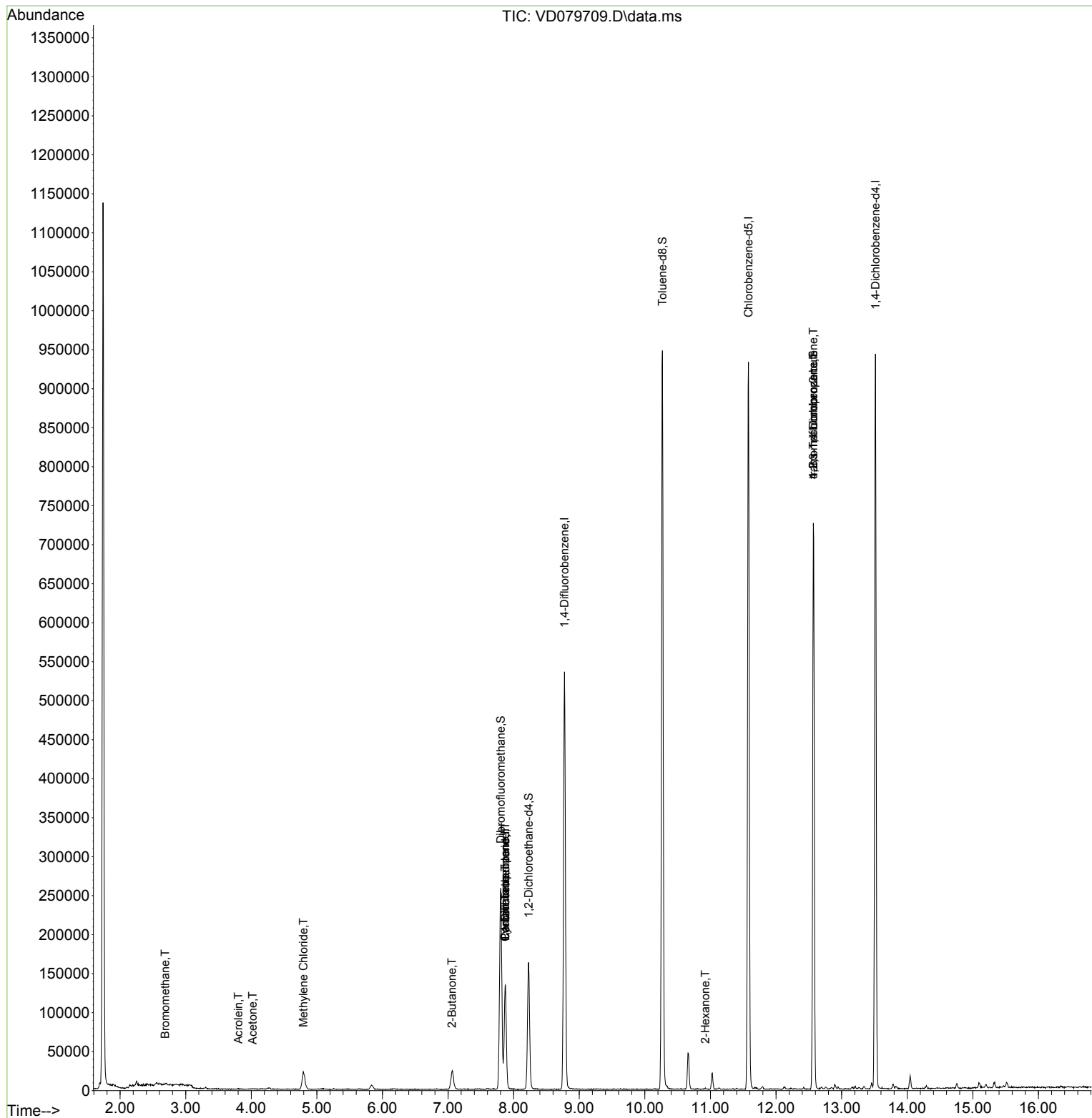
Internal Standards						
1) Pentafluorobenzene	7.875	168	97340	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	474871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	551937	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	242959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	122928	109.769	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 219.540%#	
35) Dibromofluoromethane	7.804	113	192210	65.657	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.320%	
50) Toluene-d8	10.269	98	679973	55.574	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.140%	
62) 4-Bromofluorobenzene	12.569	95	226060	65.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 131.980%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	224	Below Cal	#	43
5) Bromomethane	2.687	94	2006	1.326	ug/l	98
11) Tert butyl alcohol	5.058	59	341	Below Cal	#	86
13) Acrolein	3.805	56	373	2.863	ug/l	# 60
16) Acetone	4.022	43	668	18.490	ug/l	# 37
20) Methylene Chloride	4.793	84	16643	5.683	ug/l	92
25) 2-Butanone	7.057	43	1725	5.007	ug/l	# 42
31) Cyclohexane	7.869	56	2868	1.401	ug/l	# 53
36) 1,1-Dichloropropene	7.869	75	8285	1.826	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	10750	2.334	ug/l	# 13
59) 2-Hexanone	10.922	43	623	8.421	ug/l	86
76) 1,2,3-Trichloropropane	12.569	75	117943	59.548	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	117943	101.477	ug/l	# 19

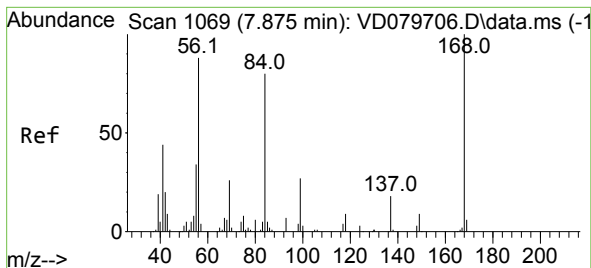
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD079709.D

Acq: 12 Aug 2024 14:08

Instrument :

MSVOA_D

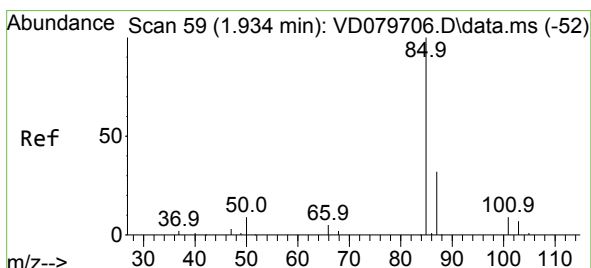
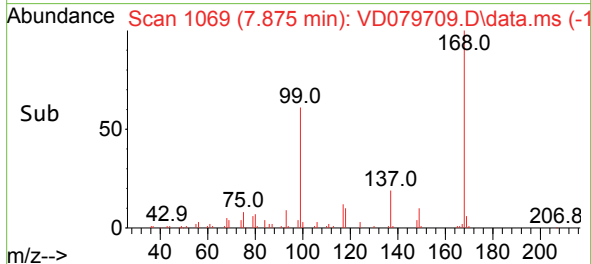
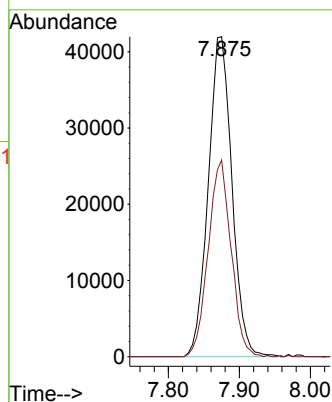
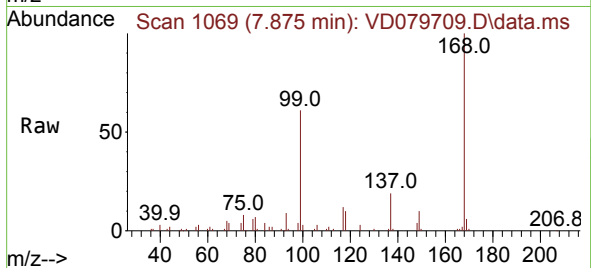
ClientSampleId :

Tgt Ion:168 Resp: 97340

Ion Ratio Lower Upper

168 100

99 61.5 41.1 61.7



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.940 min Scan# 60

Delta R.T. 0.006 min

Lab File: VD079709.D

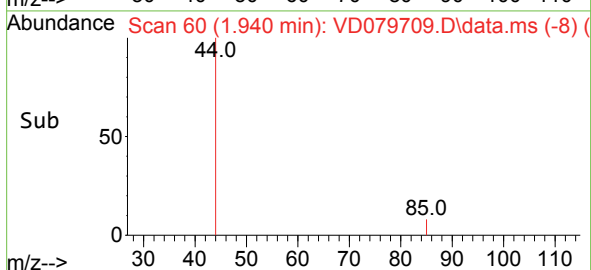
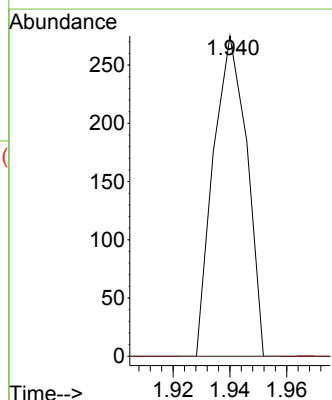
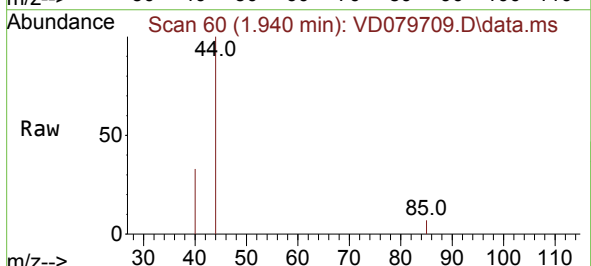
Acq: 12 Aug 2024 14:08

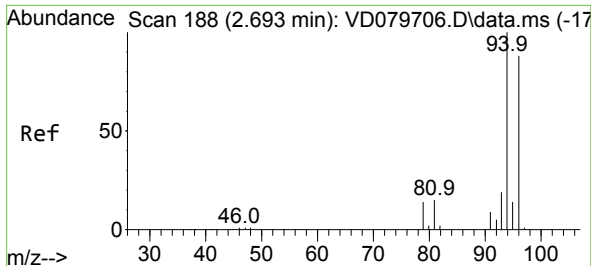
Tgt Ion: 85 Resp: 224

Ion Ratio Lower Upper

85 100

87 0.0 16.0 48.0#





#5

Bromomethane

Concen: 1.326 ug/l

RT: 2.687 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD079709.D

Acq: 12 Aug 2024 14:08

Instrument :

MSVOA_D

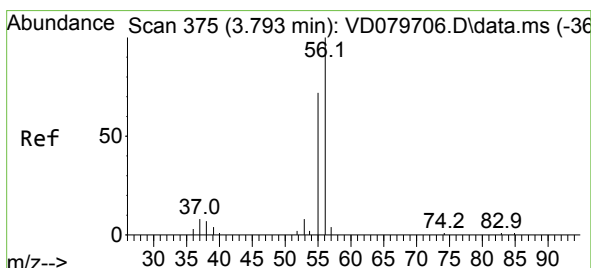
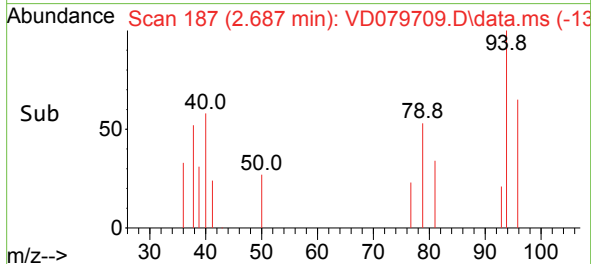
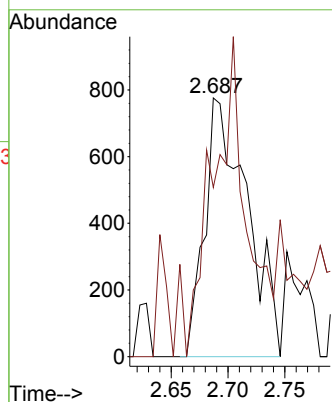
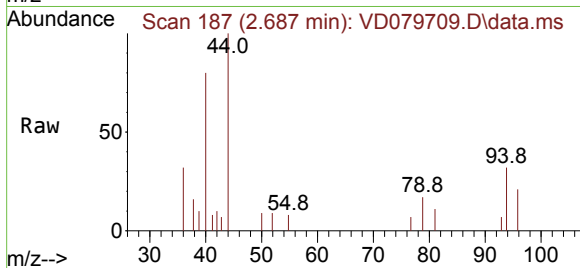
ClientSampleId :

Tgt Ion: 94 Resp: 2006

Ion Ratio Lower Upper

94 100

96 98.1 76.9 115.3



#13

Acrolein

Concen: 2.863 ug/l

RT: 3.805 min Scan# 377

Delta R.T. 0.012 min

Lab File: VD079709.D

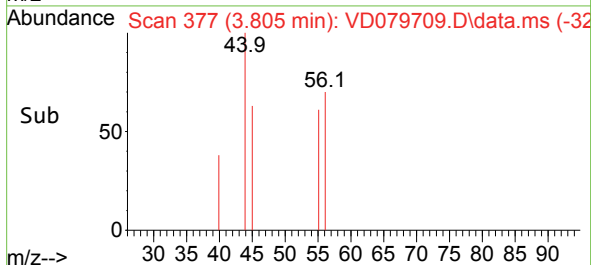
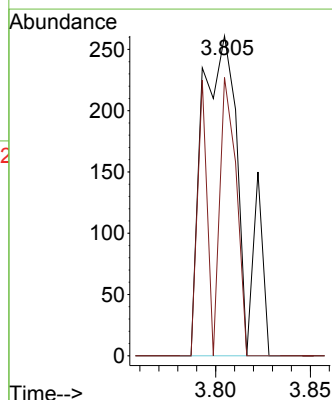
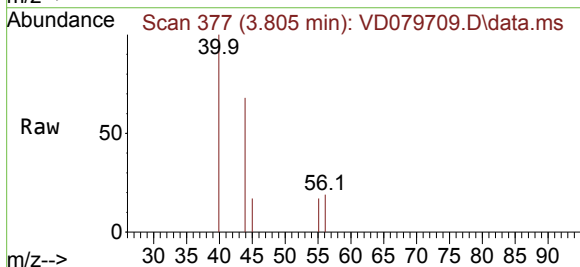
Acq: 12 Aug 2024 14:08

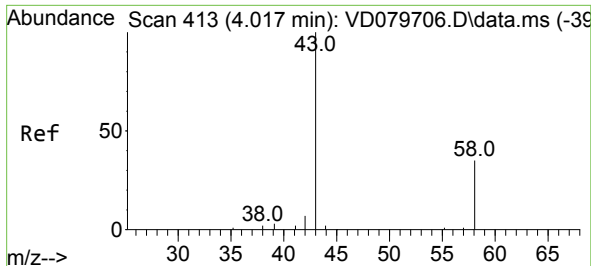
Tgt Ion: 56 Resp: 373

Ion Ratio Lower Upper

56 100

55 36.5 55.3 82.9#

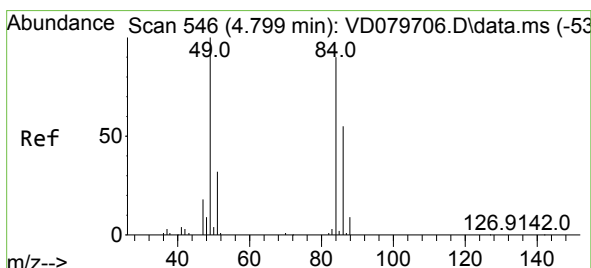
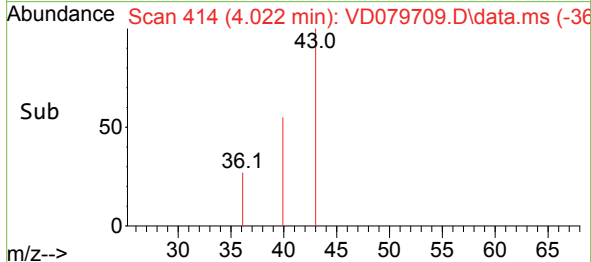
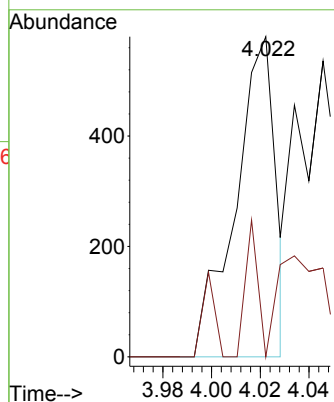
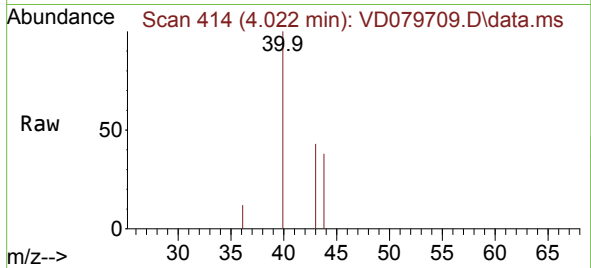




#16
Acetone
Concen: 18.490 ug/l
RT: 4.022 min Scan# 41
Delta R.T. 0.005 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08

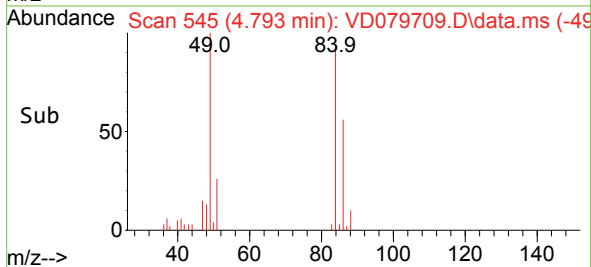
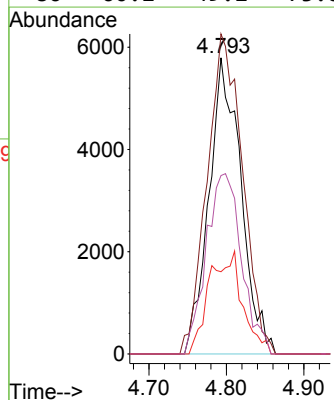
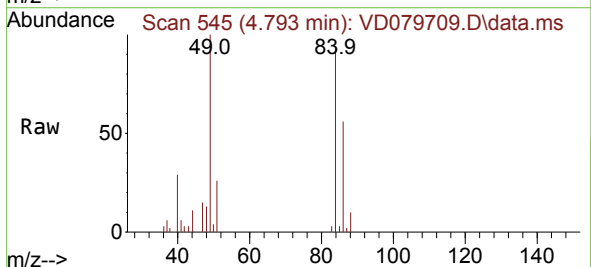
Instrument :
MSVOA_D
ClientSampleId :

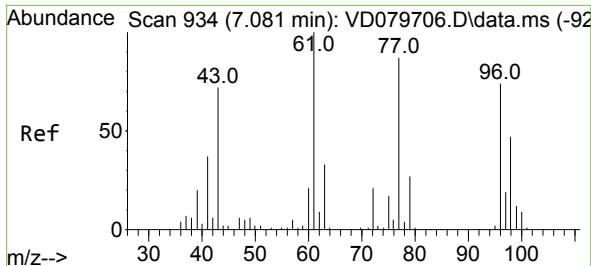
Tgt Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#



#20
Methylene Chloride
Concen: 5.683 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08

Tgt Ion: 84 Resp: 16643
Ion Ratio Lower Upper
84 100
49 108.1 75.6 113.4
51 27.8 24.2 36.2
86 60.2 49.2 73.8

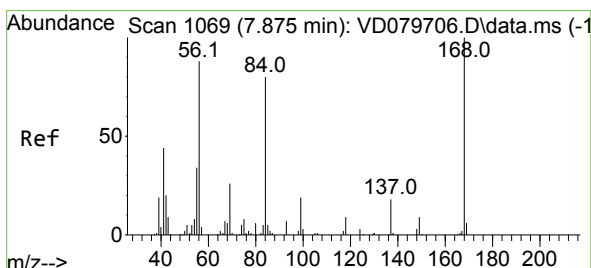
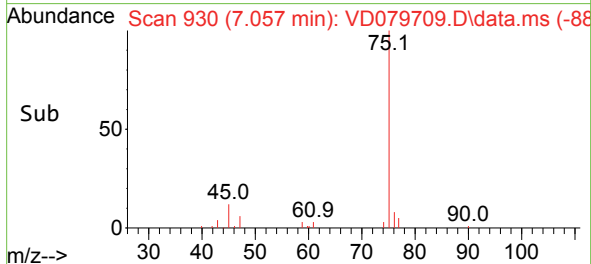
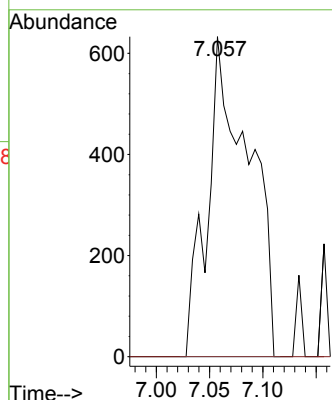
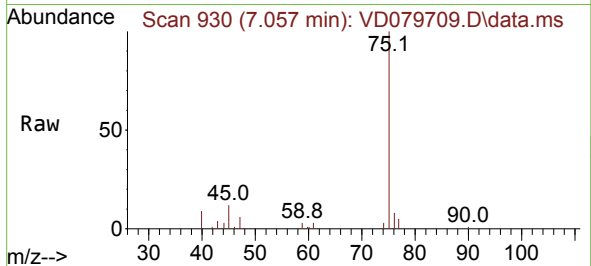




#25
2-Butanone
Concen: 5.007 ug/l
RT: 7.057 min Scan# 91
Delta R.T. -0.024 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08

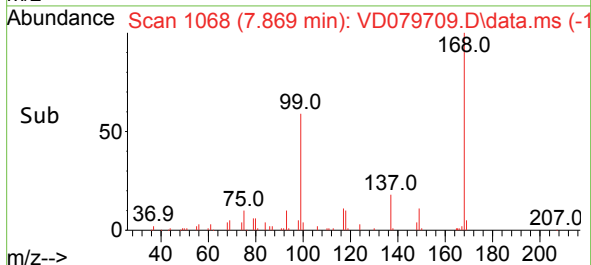
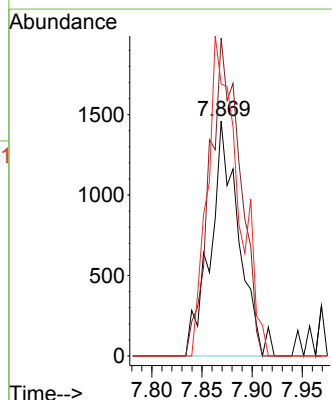
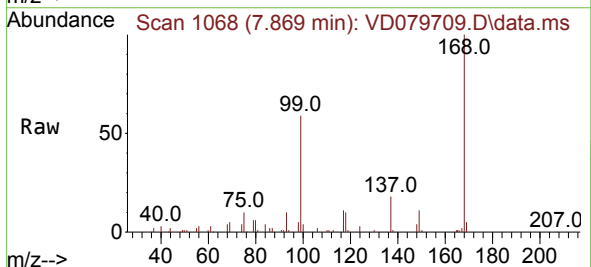
Instrument :
MSVOA_D
ClientSampleId :

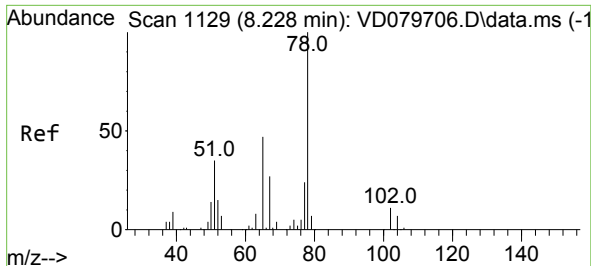
Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
72 0.0 26.4 39.6#



#31
Cyclohexane
Concen: 1.401 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08

Tgt Ion: 56 Resp: 2868
Ion Ratio Lower Upper
56 100
69 135.4 28.0 42.0#
84 115.9 87.4 131.0

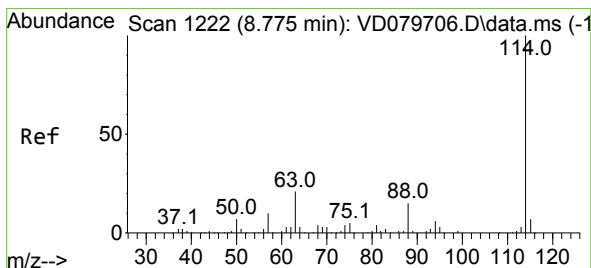
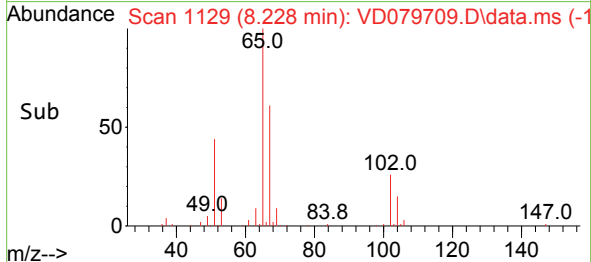
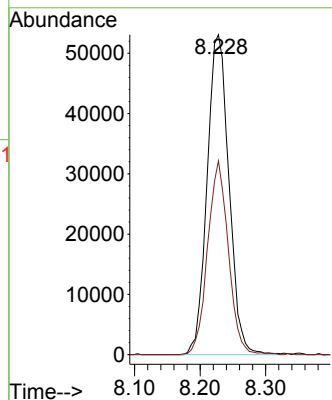
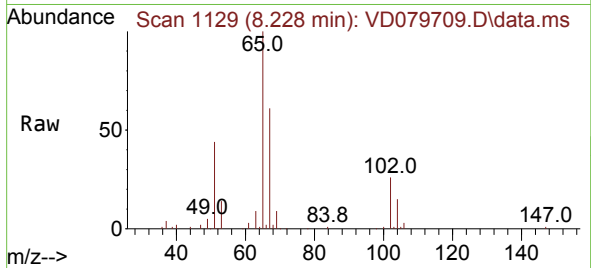




#33
 1,2-Dichloroethane-d4
 Concen: 109.769 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VD079709.D
 Acq: 12 Aug 2024 14:08

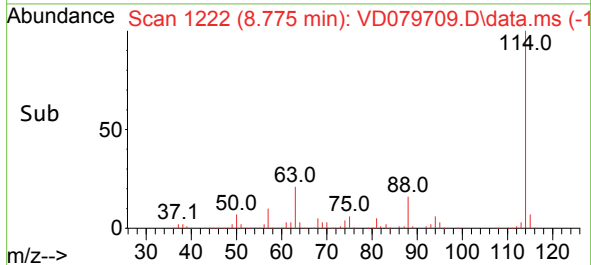
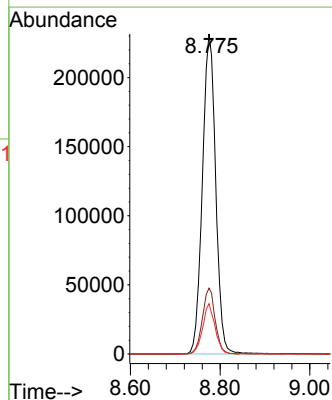
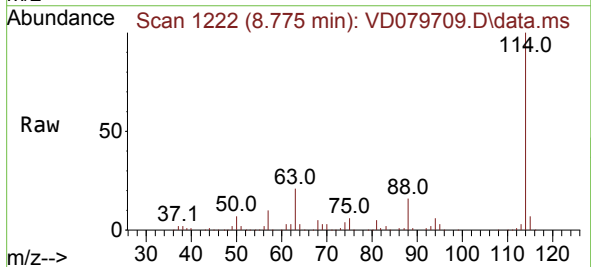
Instrument :
 MSVOA_D
 ClientSampleId :

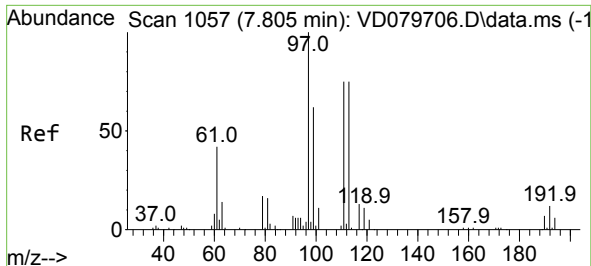
Tgt Ion: 65 Resp: 122928
 Ion Ratio Lower Upper
 65 100
 67 57.6 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.000 min
 Lab File: VD079709.D
 Acq: 12 Aug 2024 14:08

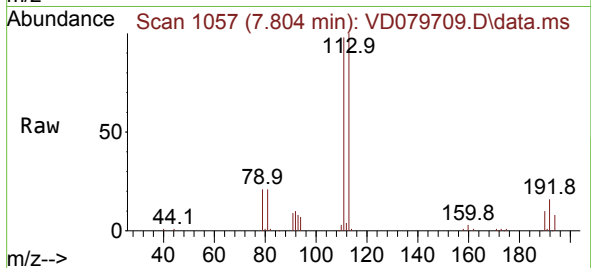
Tgt Ion: 114 Resp: 474871
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 34.0
 88 15.7 0.0 27.2



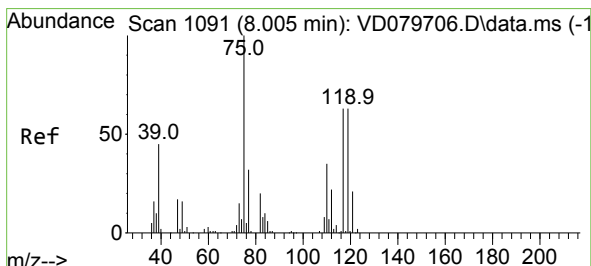
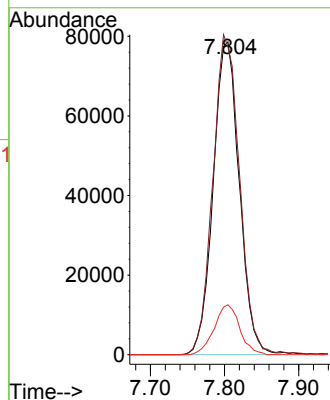
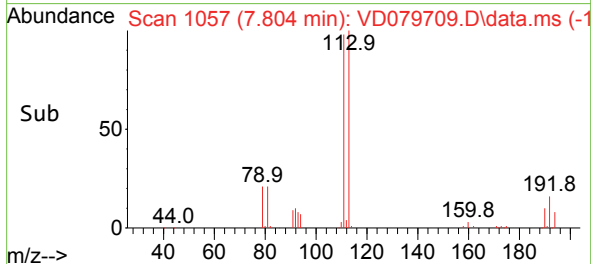


#35
Dibromofluoromethane
Concen: 65.657 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08

Instrument :
MSVOA_D
ClientSampleId :

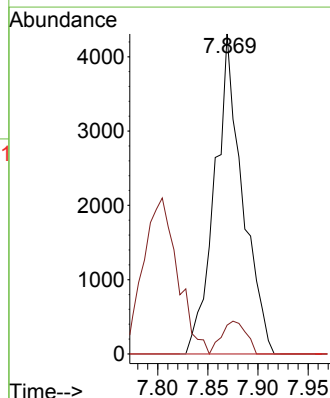
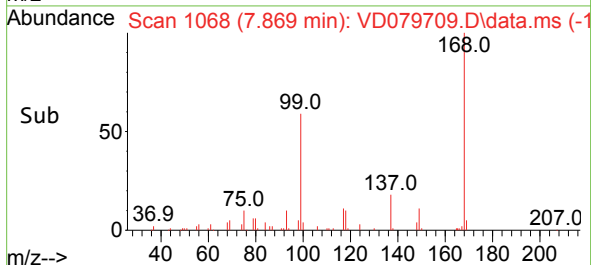
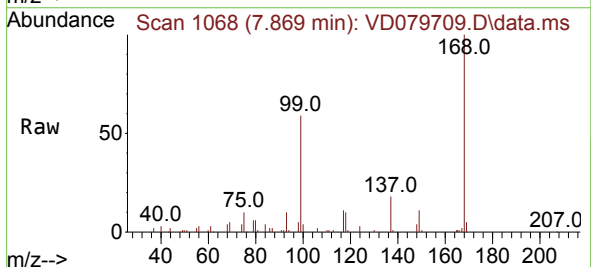


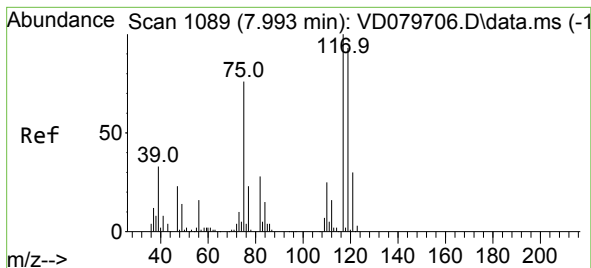
Tgt Ion:113 Resp: 192210
Ion Ratio Lower Upper
113 100
111 105.0 84.0 126.0
192 15.6 15.4 23.0



#36
1,1-Dichloropropene
Concen: 1.826 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08

Tgt Ion: 75 Resp: 8285
Ion Ratio Lower Upper
75 100
110 9.0 19.6 58.7#
77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 2.334 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

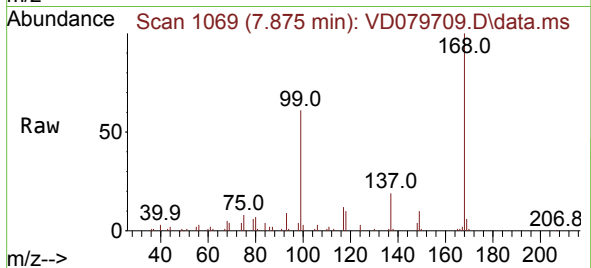
Lab File: VD079709.D

Acq: 12 Aug 2024 14:08

Instrument :

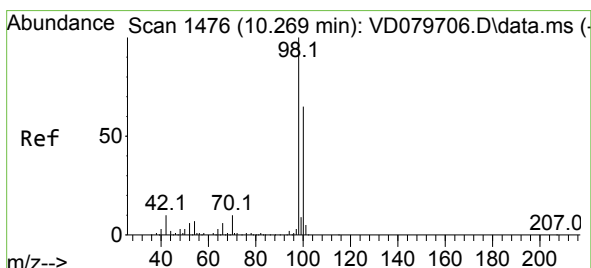
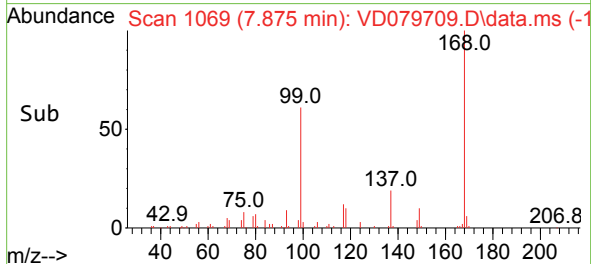
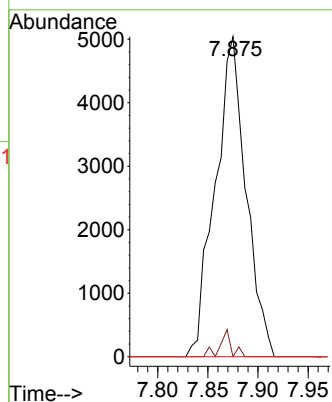
MSVOA_D

ClientSampleId :



Tgt Ion:117 Resp: 10750

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.4	113.0#
121	0.0	25.0	37.4#



#50

Toluene-d8

Concen: 55.574 ug/l

RT: 10.269 min Scan# 1476

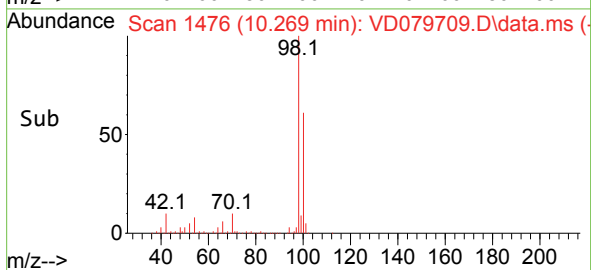
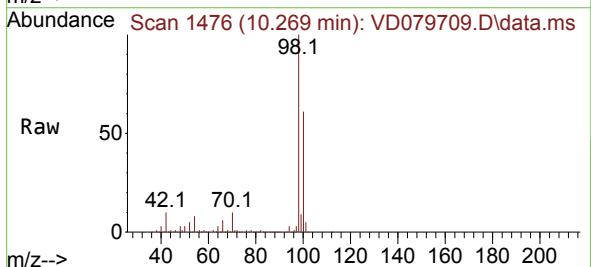
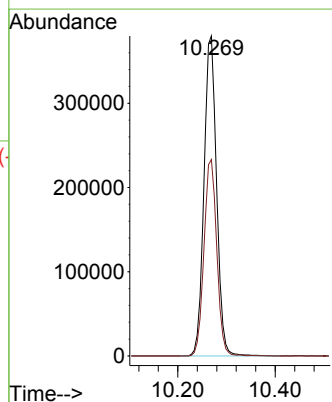
Delta R.T. -0.000 min

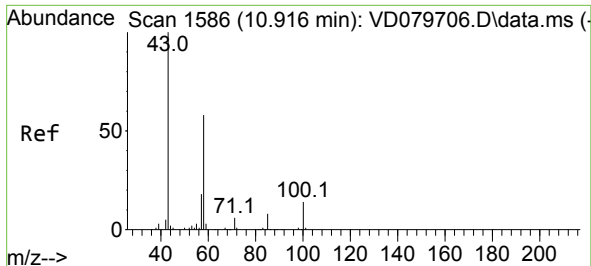
Lab File: VD079709.D

Acq: 12 Aug 2024 14:08

Tgt Ion: 98 Resp: 679973

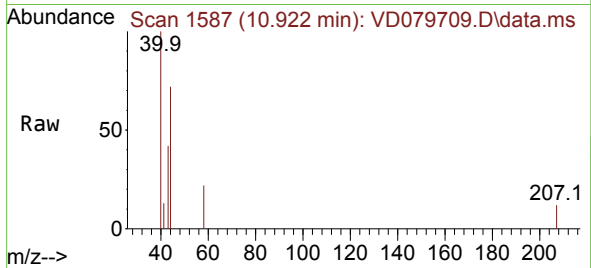
Ion	Ratio	Lower	Upper
98	100		
100	62.3	51.6	77.4



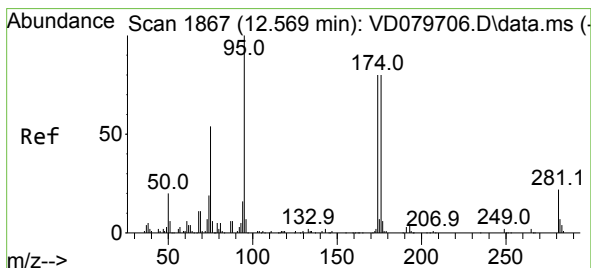
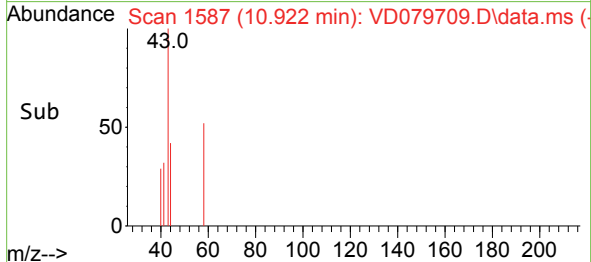
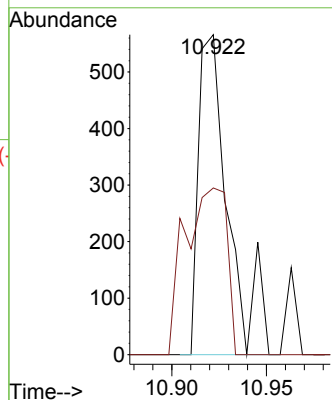


#59
2-Hexanone
Concen: 8.421 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08

Instrument :
MSVOA_D
ClientSampleId :

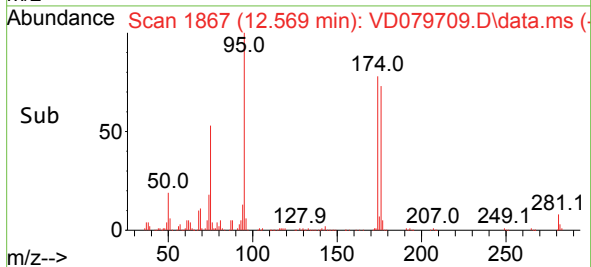
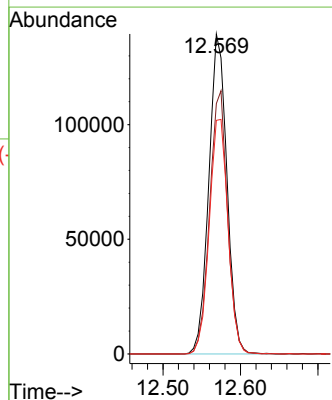
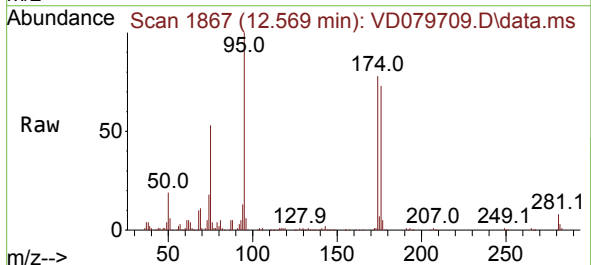


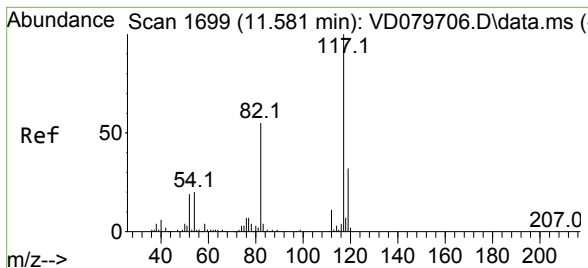
Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
58 73.0 31.1 93.5



#62
4-Bromofluorobenzene
Concen: 65.986 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.000 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08

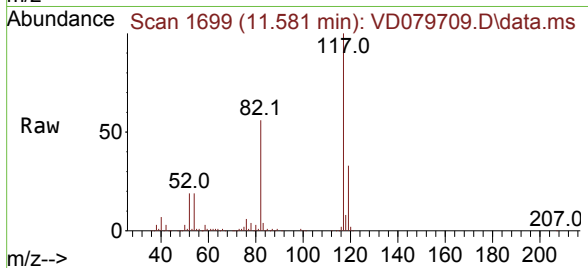
Tgt Ion: 95 Resp: 226060
Ion Ratio Lower Upper
95 100
174 81.5 0.0 195.4
176 76.1 0.0 192.6



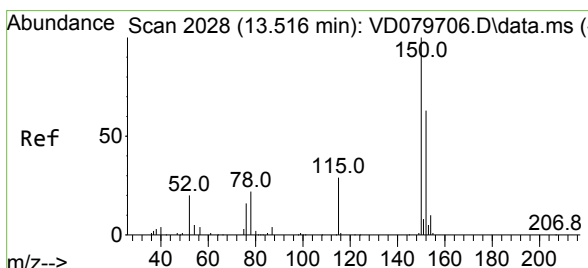
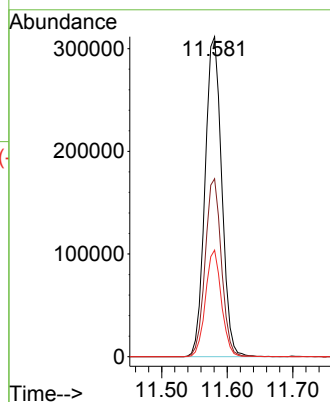
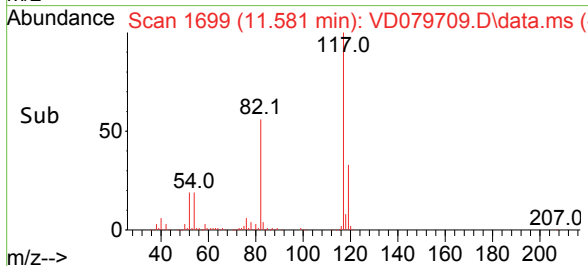


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08

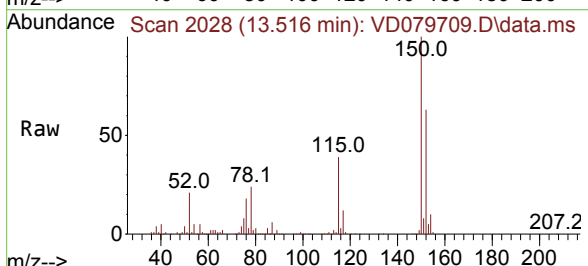
Instrument :
MSVOA_D
ClientSampleId :



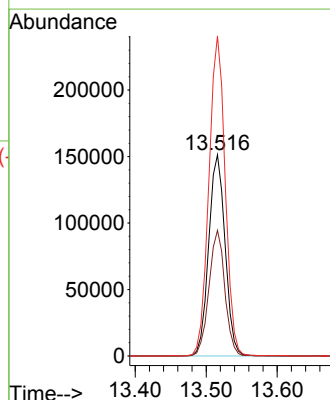
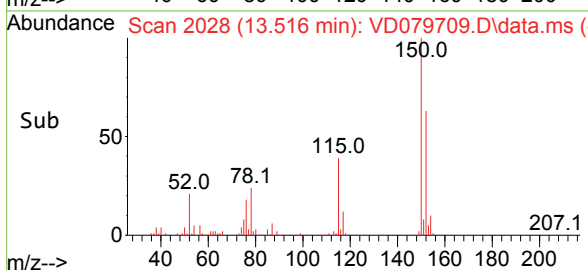
Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.6	39.8	59.6
119	33.3	25.7	38.5

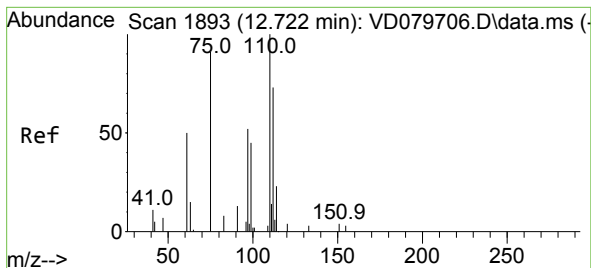


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079709.D
Acq: 12 Aug 2024 14:08



Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	26.5	79.5
150	158.2	0.0	341.6





#76

1,2,3-Trichloropropane

Concen: 59.548 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. -0.153 min

Lab File: VD079709.D

Acq: 12 Aug 2024 14:08

Instrument :

MSVOA_D

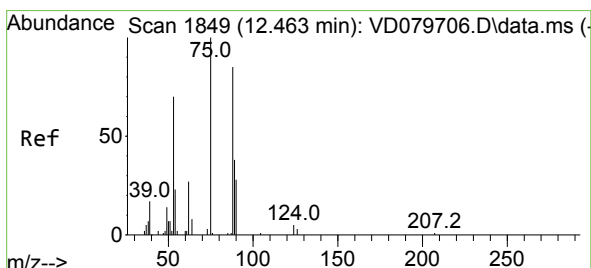
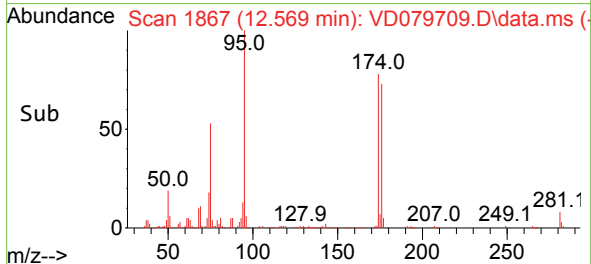
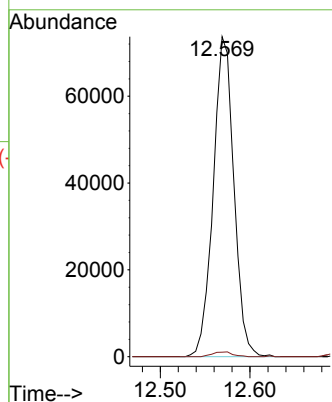
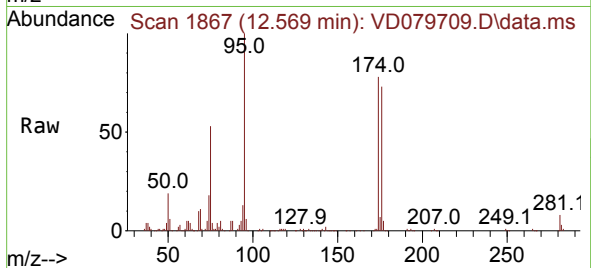
ClientSampleId :

Tgt Ion: 75 Resp: 117943

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 101.477 ug/l

RT: 12.569 min Scan# 1867

Delta R.T. 0.106 min

Lab File: VD079709.D

Acq: 12 Aug 2024 14:08

Tgt Ion: 75 Resp: 117943

Ion Ratio Lower Upper

75 100

53 0.0 61.4 92.2#

89 0.1 35.4 53.0#

