

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
 Data File : VD079609.D
 Acq On : 06 Aug 2024 06:01
 Operator : RP/MD
 Sample : P3448-13
 Misc : 5.35G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 06 08:10:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:50:47 2024
 Response via : Initial Calibration

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

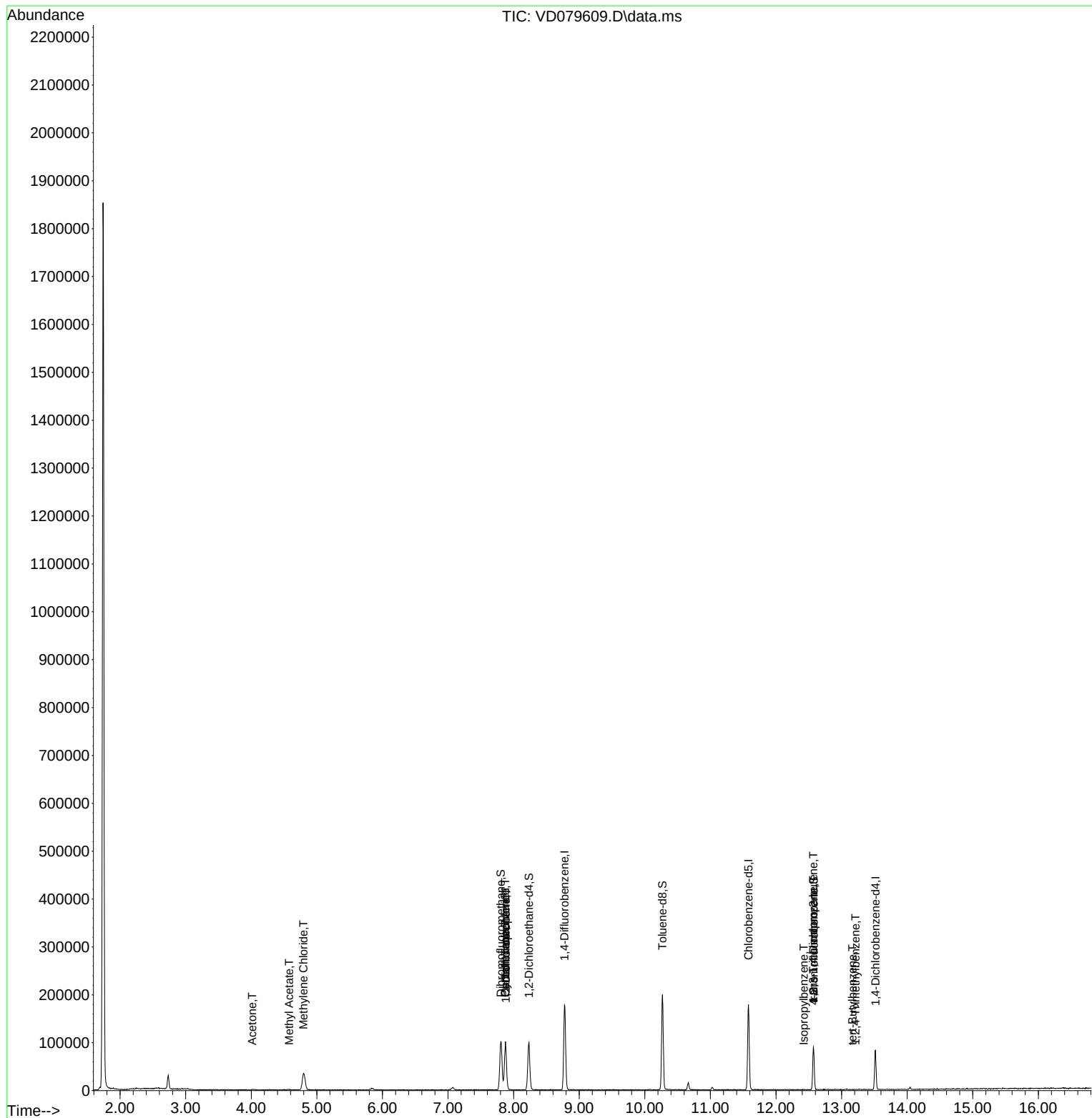
Internal Standards						
1) Pentafluorobenzene	7.875	168	75287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	165730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	106799	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	23361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76629	100.189	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 200.380%#	
35) Dibromofluoromethane	7.805	113	73791	65.783	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 131.560%	
50) Toluene-d8	10.269	98	142275	32.661	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 65.320%	
62) 4-Bromofluorobenzene	12.575	95	25073	19.890	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 39.780%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.699	94	81	Below Cal	#	1
11) Tert butyl alcohol	5.046	59	60	Below Cal	#	86
13) Acrolein	3.822	56	72	Below Cal	#	15
16) Acetone	4.016	43	854	5.745	ug/l	100
18) Methyl Acetate	4.575	43	1645	3.564	ug/l #	53
20) Methylene Chloride	4.793	84	27190	14.296	ug/l #	88
31) Cyclohexane	7.875	56	1620	1.275	ug/l #	47
36) 1,1-Dichloropropene	7.881	75	6220	4.063	ug/l #	44
38) Carbon Tetrachloride	7.875	117	7435	4.619	ug/l #	13
73) Isopropylbenzene	12.422	105	64	3.662	ug/l #	48
76) 1,2,3-Trichloropropane	12.569	75	12498	61.205	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.569	75	12498	116.735	ug/l #	19
83) tert-Butylbenzene	13.163	119	66	3.676	ug/l #	31
84) 1,2,4-Trimethylbenzene	13.210	105	446	3.712	ug/l #	58

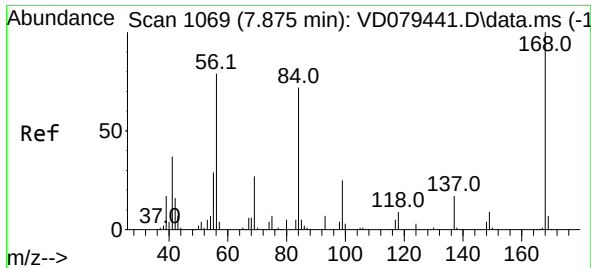
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080524\
Data File : VD079609.D
Acq On : 06 Aug 2024 06:01
Operator : RP/MD
Sample : P3448-13
Misc : 5.35G/5.0ml/MSVOA_D/SOIL/A
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Aug 06 08:10:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072924S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 30 03:50:47 2024
Response via : Initial Calibration

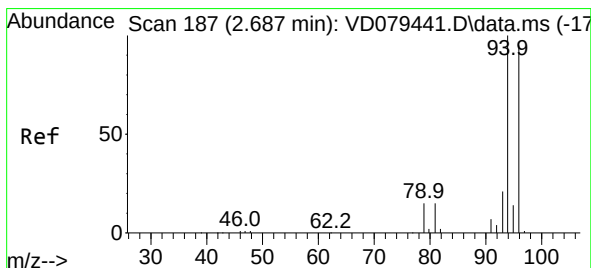
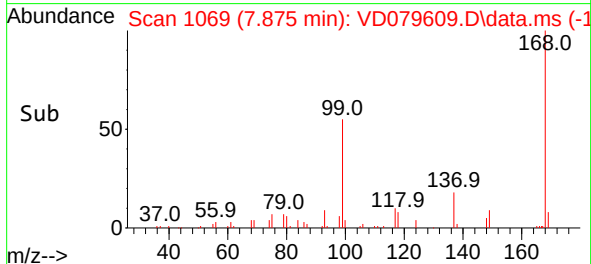
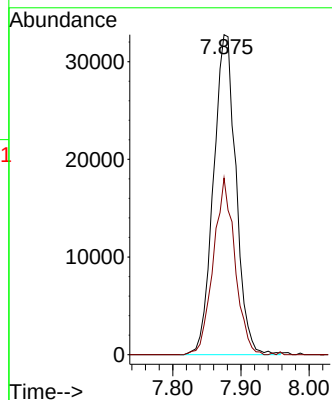
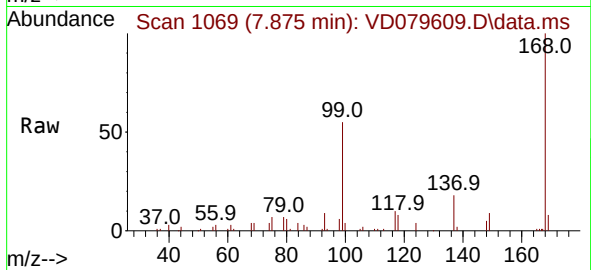




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

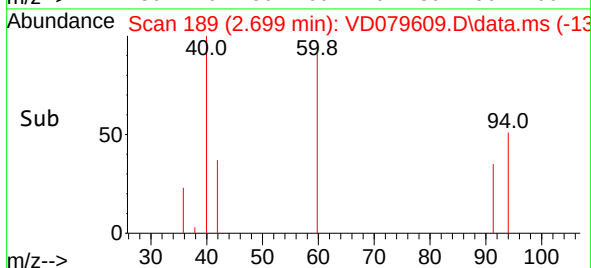
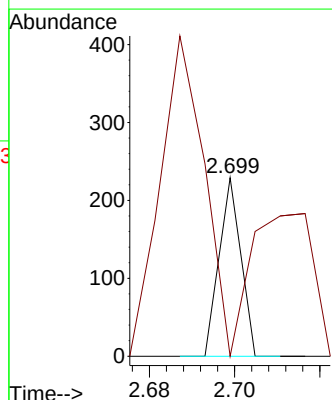
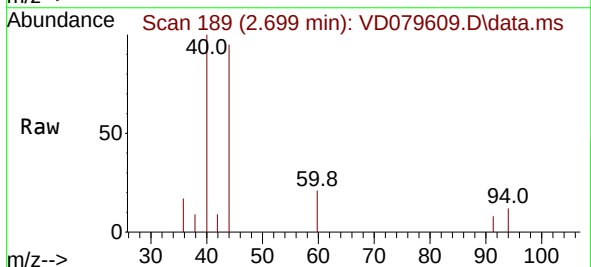
Instrument :
MSVOA_D
ClientSampleId :

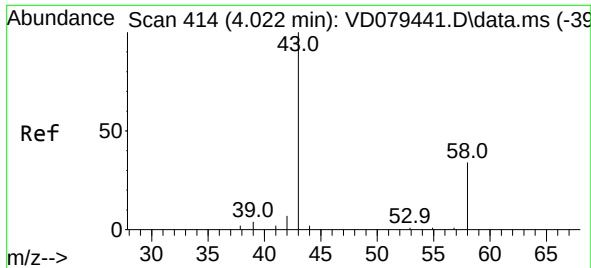
Tgt Ion:168 Resp: 75287
Ion Ratio Lower Upper
168 100
99 55.2 41.1 61.7



#5
Bromomethane
Concen: Below Cal
RT: 2.699 min Scan# 189
Delta R.T. 0.012 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

Tgt Ion: 94 Resp: 81
Ion Ratio Lower Upper
94 100
96 363.0 76.9 115.3#

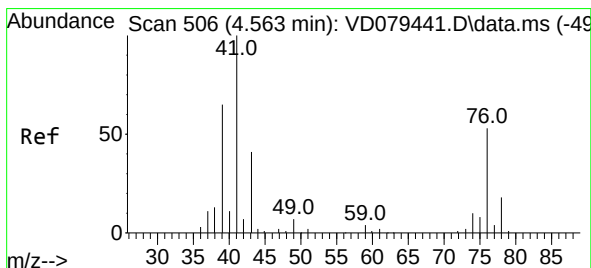
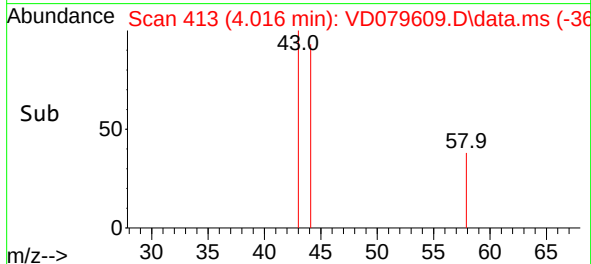
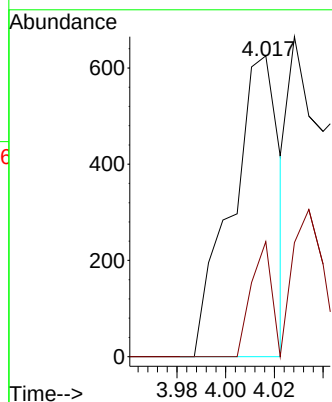
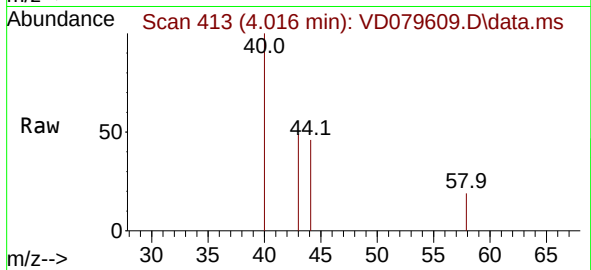




#16
Acetone
Concen: 5.745 ug/l
RT: 4.016 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

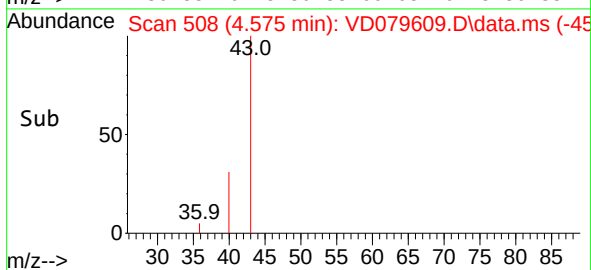
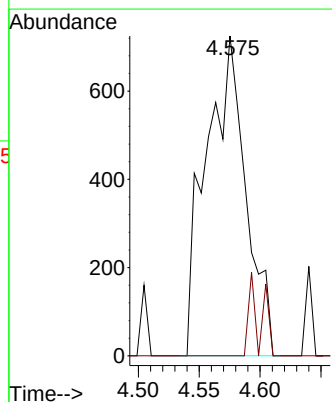
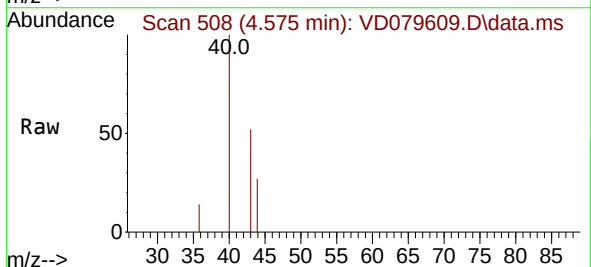
Instrument :
MSVOA_D
ClientSampleId :

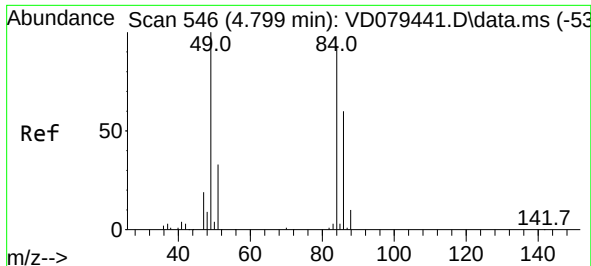
Tgt Ion: 43 Resp: 854
Ion Ratio Lower Upper
43 100
58 38.2 30.4 45.6



#18
Methyl Acetate
Concen: 3.564 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.006 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

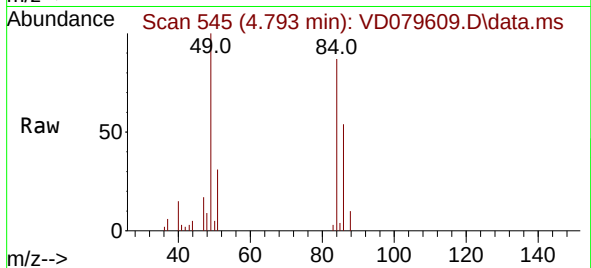
Tgt Ion: 43 Resp: 1645
Ion Ratio Lower Upper
43 100
74 7.5 28.1 42.1#



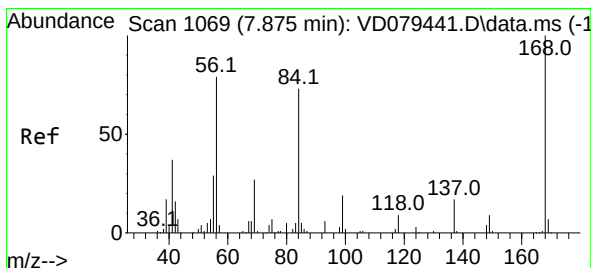
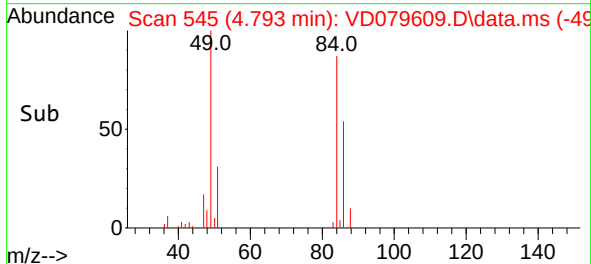
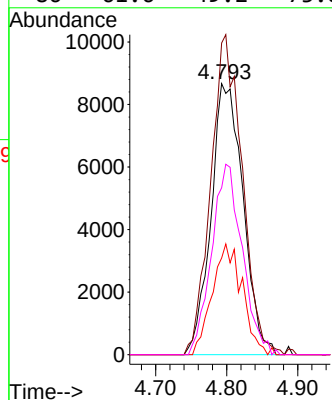


#20
Methylene Chloride
Concen: 14.296 ug/l
RT: 4.793 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

Instrument :
MSVOA_D
ClientSampleId :

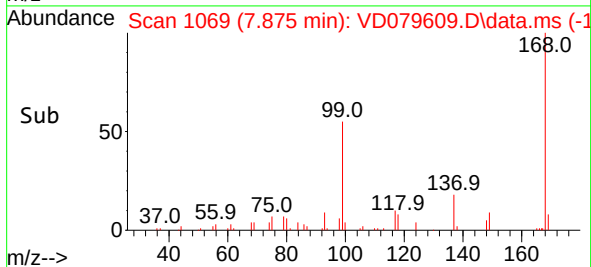
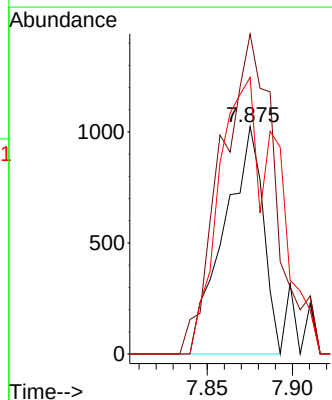
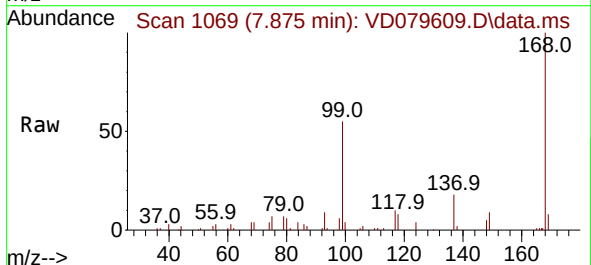


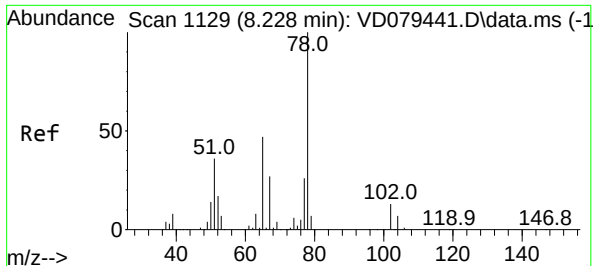
Tgt Ion:	84	Resp:	27190
Ion	Ratio	Lower	Upper
84	100		
49	115.0	75.6	113.4#
51	35.7	24.2	36.2
86	61.6	49.2	73.8



#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

Tgt Ion:	56	Resp:	1620
Ion	Ratio	Lower	Upper
56	100		
69	140.7	28.0	42.0#
84	121.7	87.4	131.0





#33

1,2-Dichloroethane-d4

Concen: 100.189 ug/l

RT: 8.234 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VD079609.D

Acq: 06 Aug 2024 06:01

Instrument :

MSVOA_D

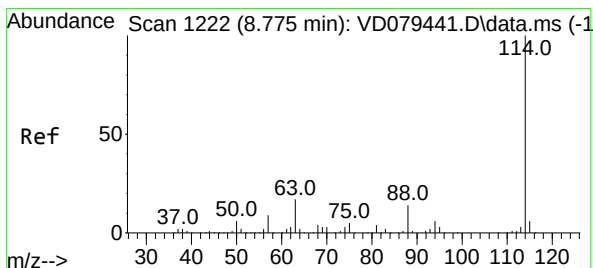
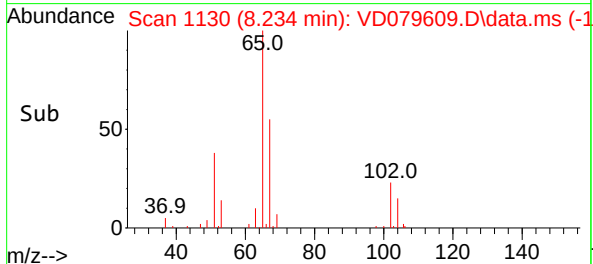
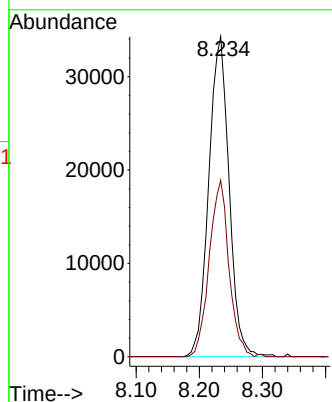
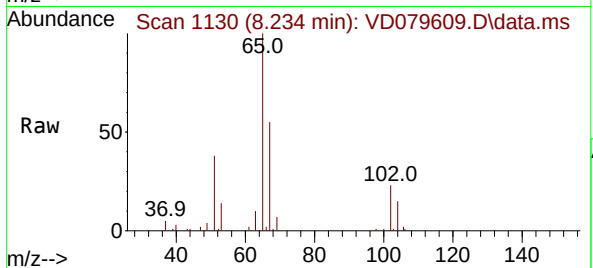
ClientSampleId :

Tgt Ion: 65 Resp: 76629

Ion Ratio Lower Upper

65 100

67 53.4 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: VD079609.D

Acq: 06 Aug 2024 06:01

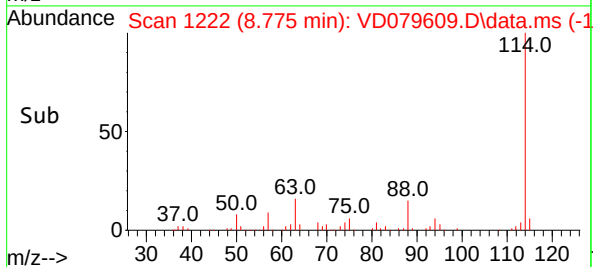
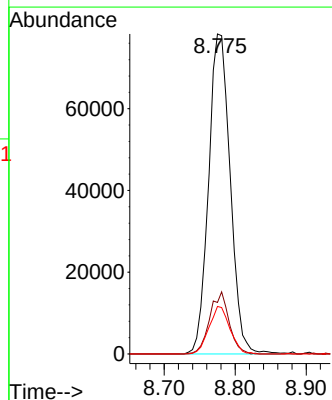
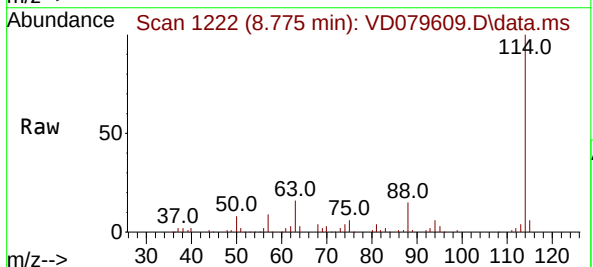
Tgt Ion: 114 Resp: 165730

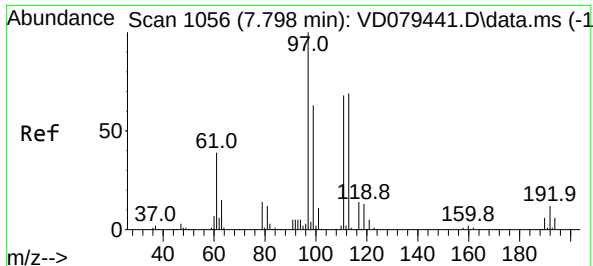
Ion Ratio Lower Upper

114 100

63 16.1 0.0 34.0

88 14.9 0.0 27.2





#35

Dibromofluoromethane

Concen: 65.783 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD079609.D

Acq: 06 Aug 2024 06:01

Instrument :

MSVOA_D

ClientSampleId :

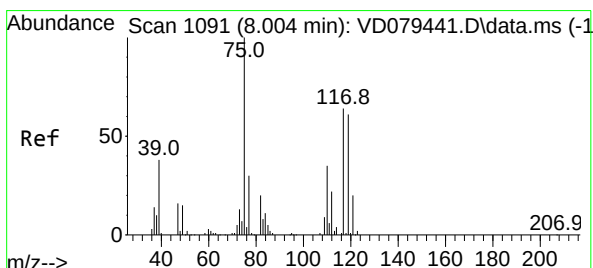
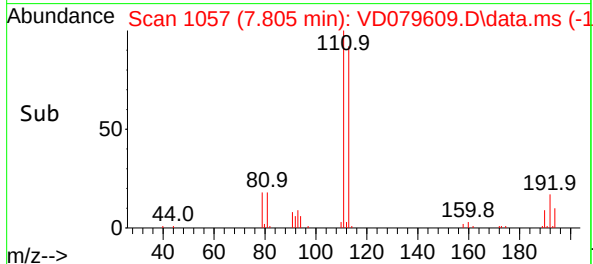
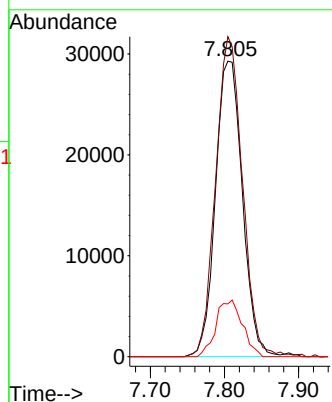
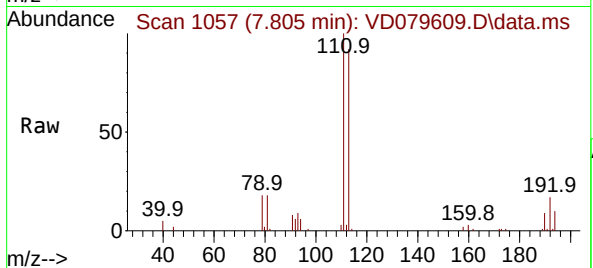
Tgt Ion:113 Resp: 73791

Ion Ratio Lower Upper

113 100

111 108.3 84.0 126.0

192 18.8 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.063 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.129 min

Lab File: VD079609.D

Acq: 06 Aug 2024 06:01

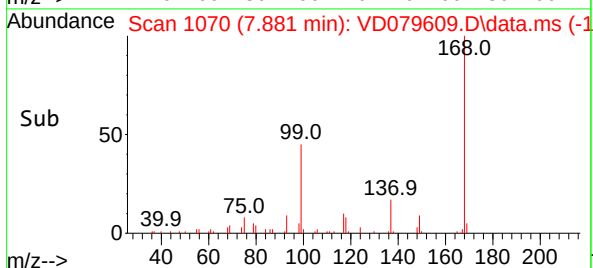
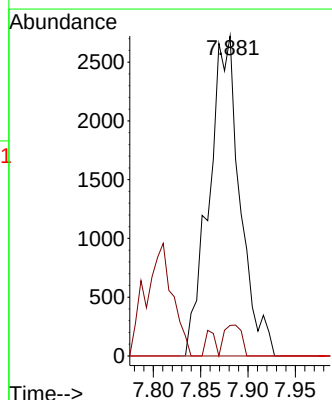
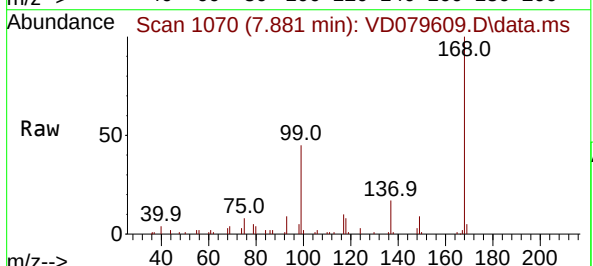
Tgt Ion: 75 Resp: 6220

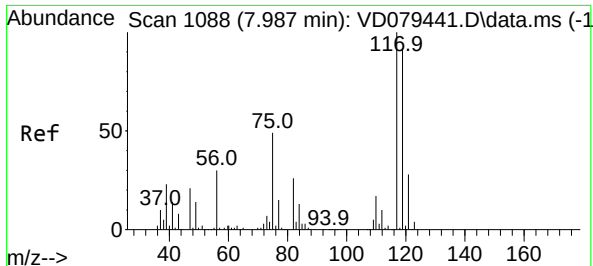
Ion Ratio Lower Upper

75 100

110 5.4 19.6 58.7#

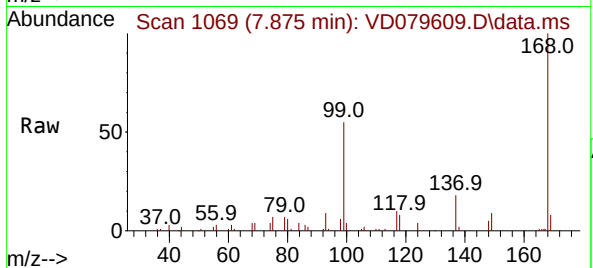
77 0.0 26.1 39.1#



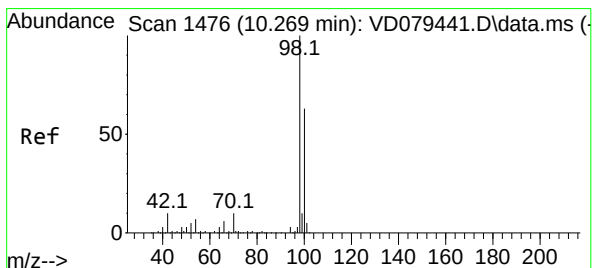
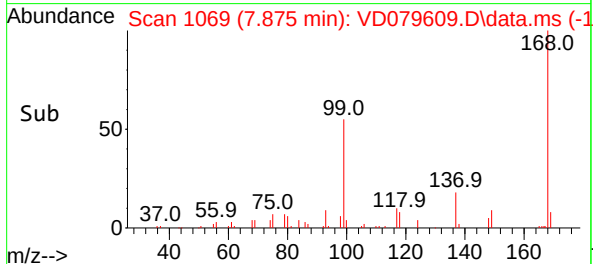
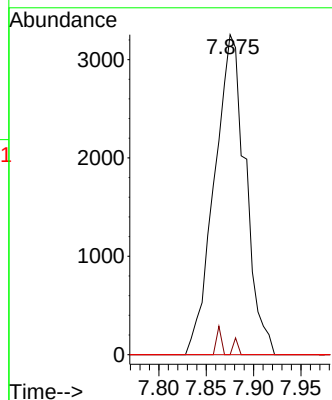


#38
Carbon Tetrachloride
Concen: 4.619 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

Instrument :
MSVOA_D
ClientSampleId :

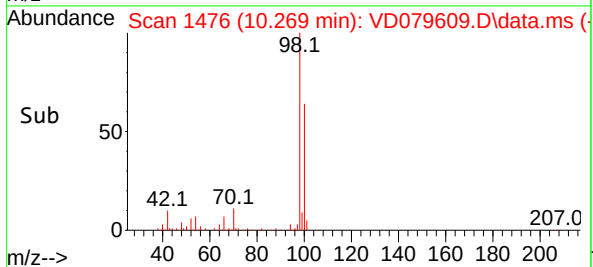
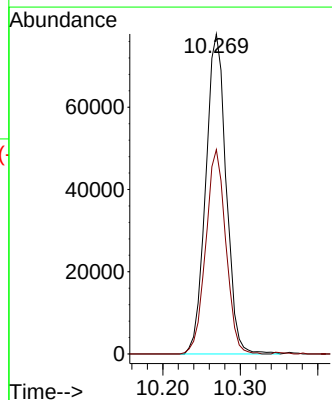
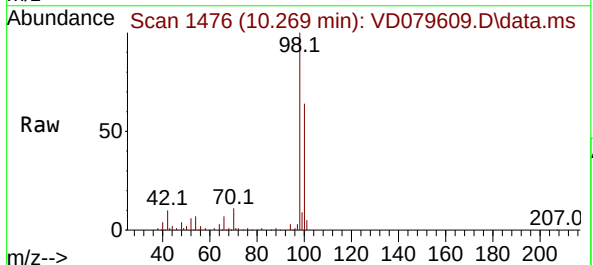


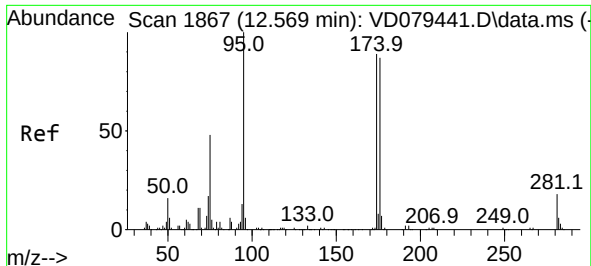
Tgt Ion:117 Resp: 7435
Ion Ratio Lower Upper
117 100
119 0.0 75.4 113.0#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 32.661 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

Tgt Ion: 98 Resp: 142275
Ion Ratio Lower Upper
98 100
100 62.8 51.6 77.4

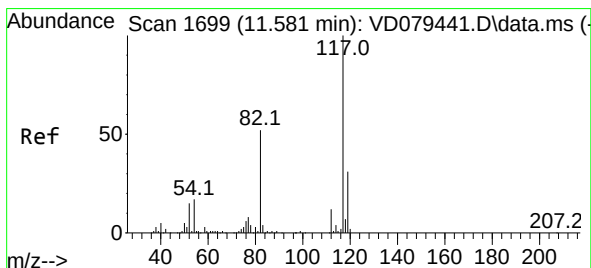
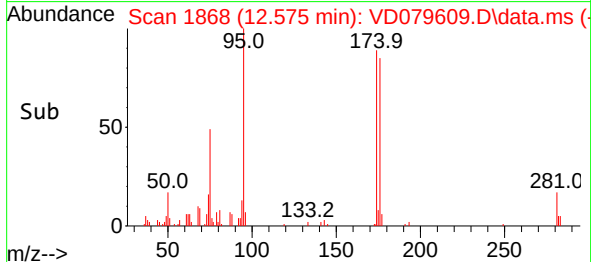
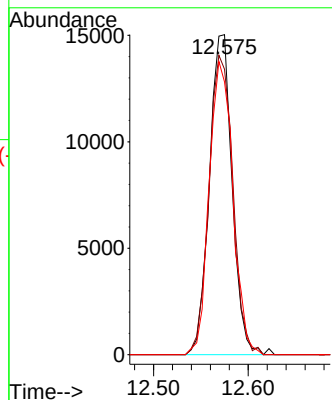
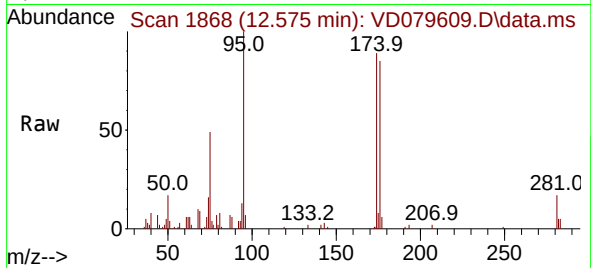




#62
4-Bromofluorobenzene
Concen: 19.890 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

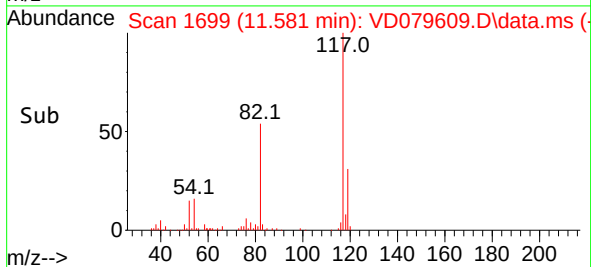
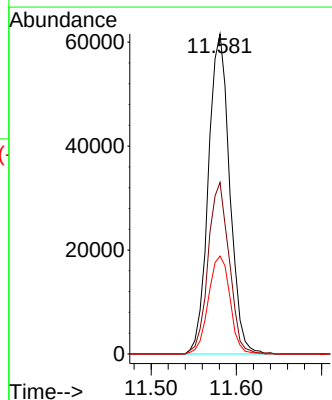
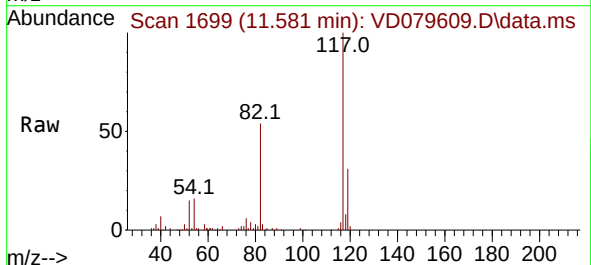
Instrument :
MSVOA_D
ClientSampleId :

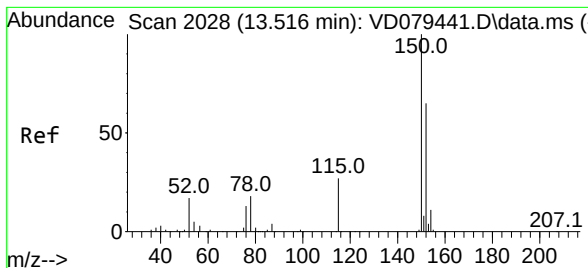
Tgt Ion: 95 Resp: 25073
Ion Ratio Lower Upper
95 100
174 98.3 0.0 195.4
176 95.0 0.0 192.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

Tgt Ion: 117 Resp: 106799
Ion Ratio Lower Upper
117 100
82 53.6 39.8 59.6
119 30.6 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.006 min

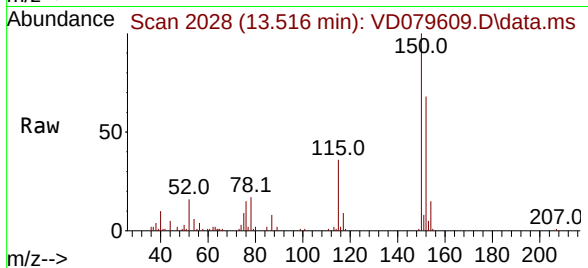
Lab File: VD079609.D

Acq: 06 Aug 2024 06:01

Instrument :

MSVOA_D

ClientSampleId :



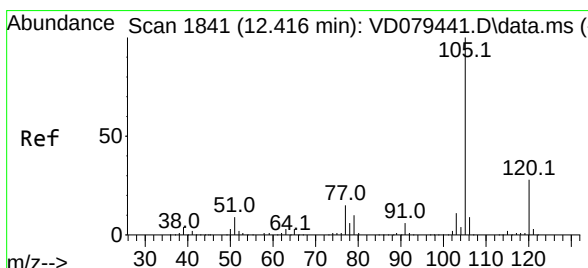
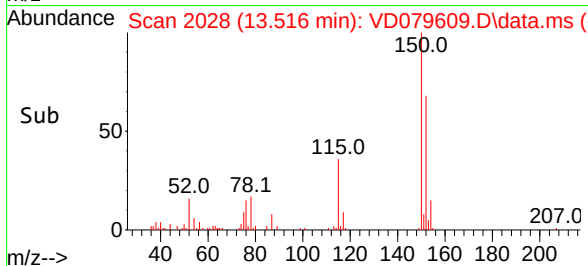
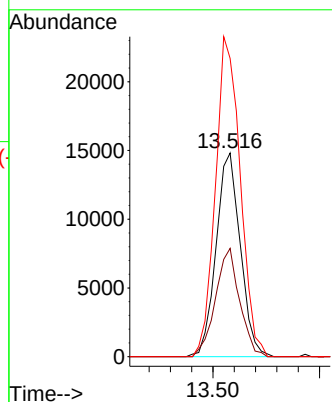
Tgt Ion:152 Resp: 23361

Ion Ratio Lower Upper

152 100

115 53.0 26.5 79.5

150 160.7 0.0 341.6



#73

Isopropylbenzene

Concen: 3.662 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VD079609.D

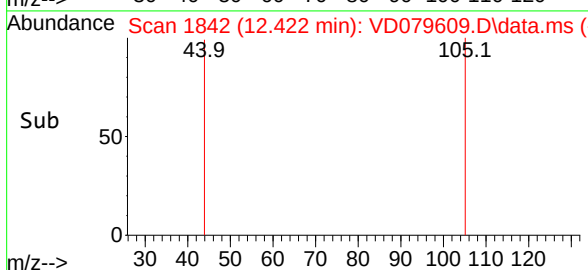
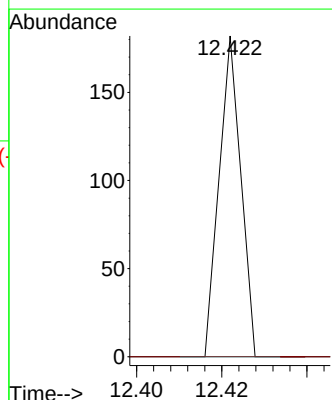
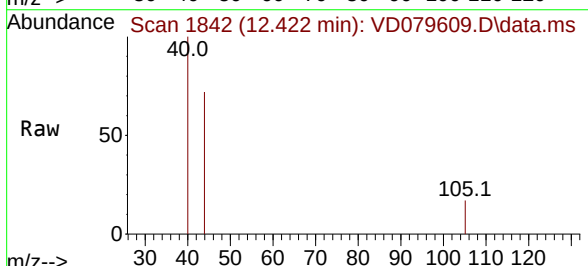
Acq: 06 Aug 2024 06:01

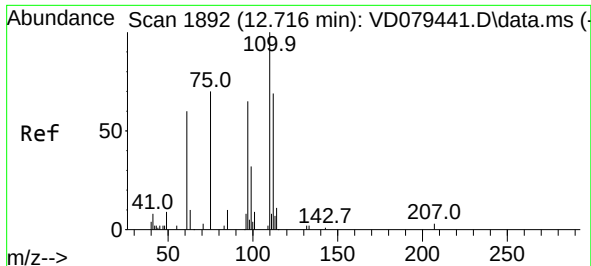
Tgt Ion:105 Resp: 64

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#

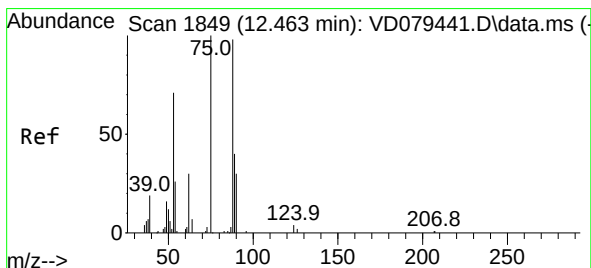
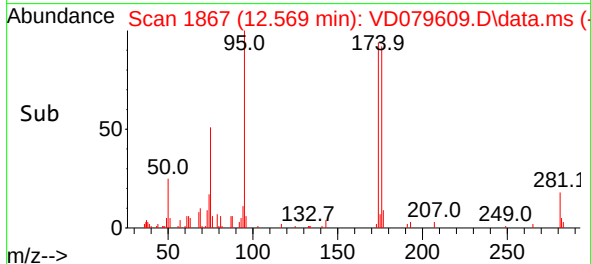
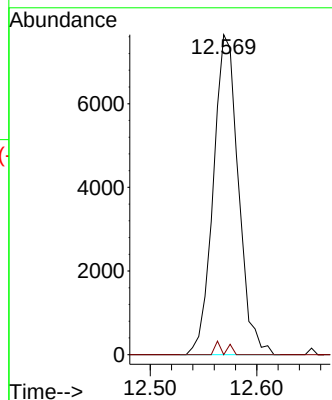
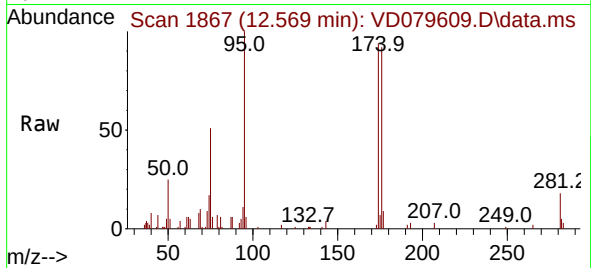




#76
1,2,3-Trichloropropane
Concen: 61.205 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.153 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

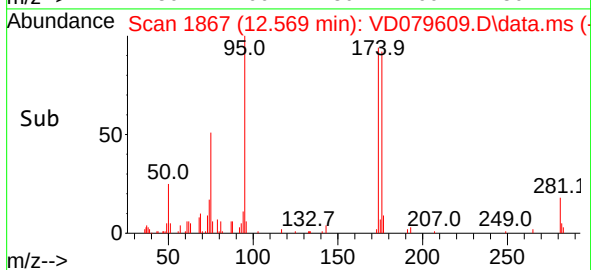
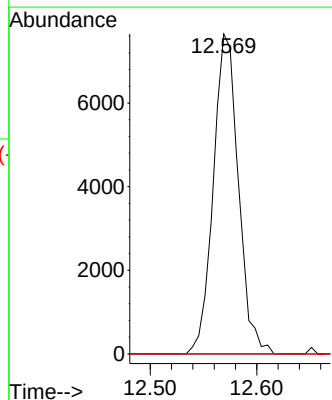
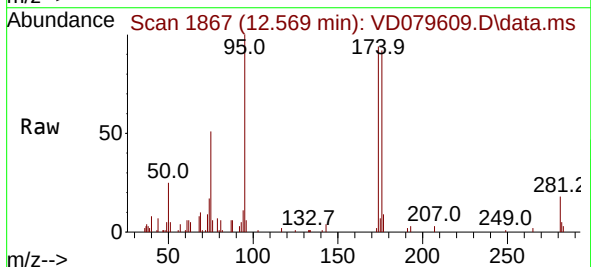
Instrument :
MSVOA_D
ClientSampleId :

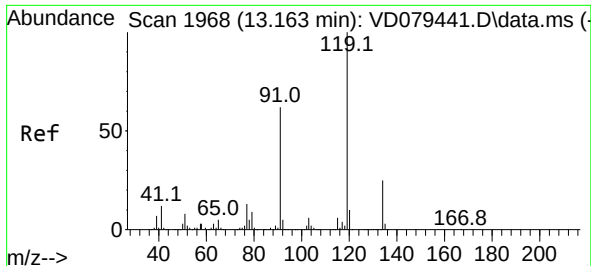
Tgt Ion: 75 Resp: 12498
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.735 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD079609.D
Acq: 06 Aug 2024 06:01

Tgt Ion: 75 Resp: 12498
Ion Ratio Lower Upper
75 100
53 0.0 61.4 92.2#
89 0.0 35.4 53.0#





#83

tert-Butylbenzene

Concen: 3.676 ug/l

RT: 13.163 min Scan# 1968

Delta R.T. 0.000 min

Lab File: VD079609.D

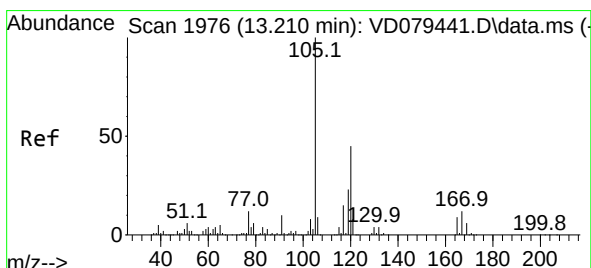
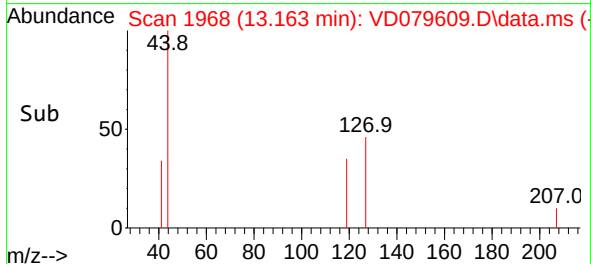
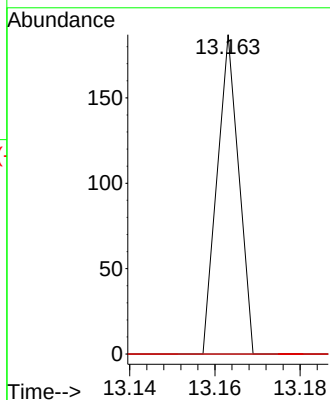
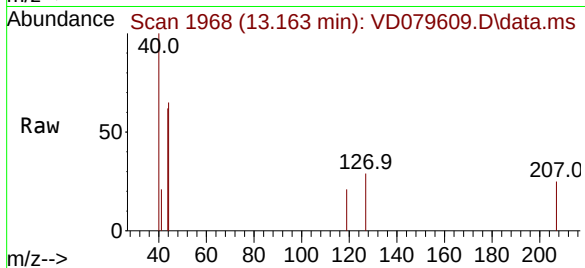
Acq: 06 Aug 2024 06:01

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	119	Resp:	66
Ion	Ratio	Lower	Upper
119	100		
91	0.0	28.2	84.7#
134	0.0	13.4	40.1#



#84

1,2,4-Trimethylbenzene

Concen: 3.712 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD079609.D

Acq: 06 Aug 2024 06:01

Tgt Ion:	105	Resp:	446
Ion	Ratio	Lower	Upper
105	100		
120	18.8	23.6	71.0#

