

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD053123\
 Data File : VD076297.D
 Acq On : 31 May 2023 21:25
 Operator : KP/SY
 Sample : 02963-08
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB07

Quant Time: Jun 01 01:44:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

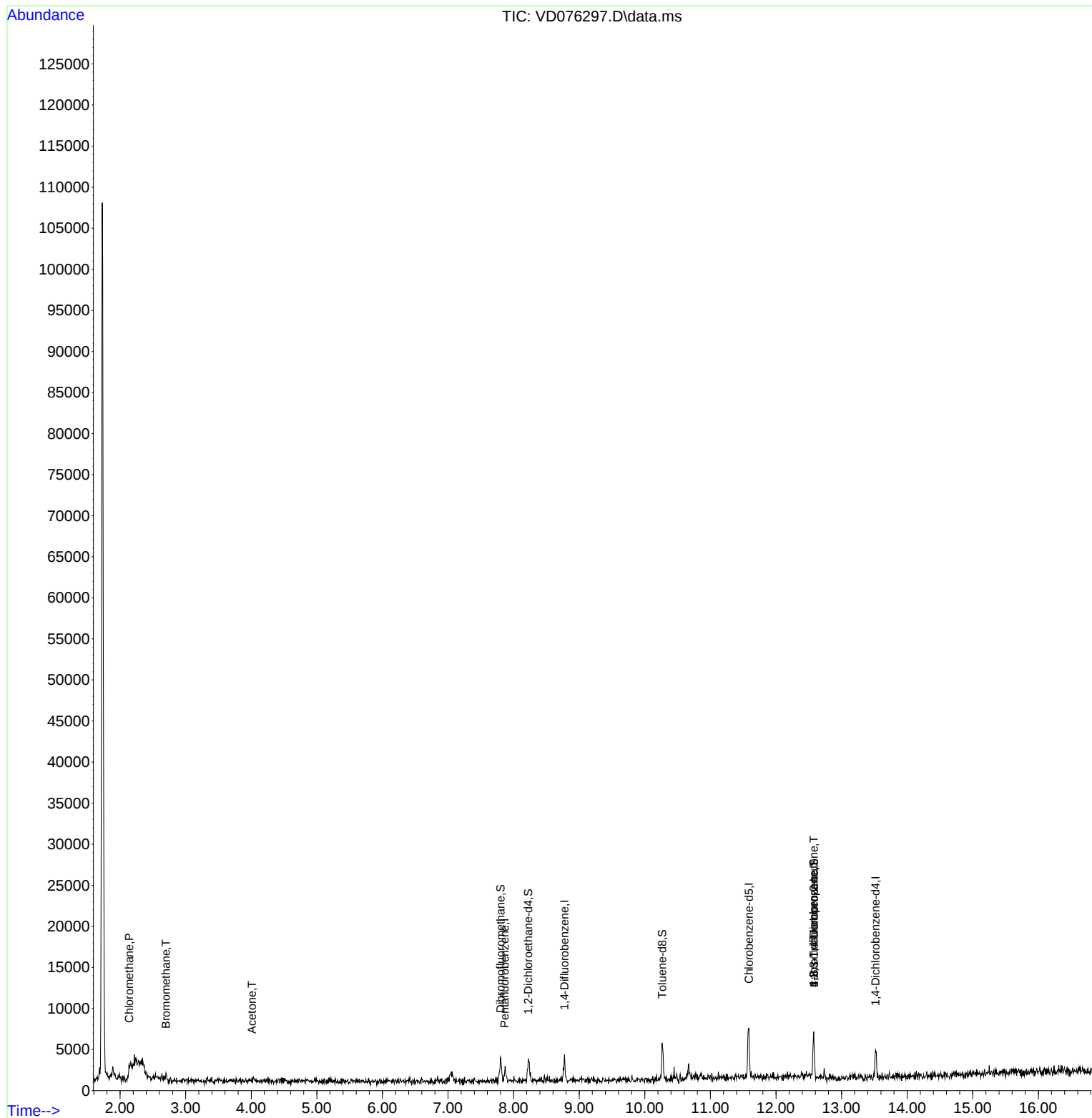
Internal Standards						
1) Pentafluorobenzene	7.863	168	1970	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.775	114	3729	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	4925	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	1196	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	2449	128.627	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 257.260%#	
35) Dibromofluoromethane	7.799	113	2244	87.059	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 174.120%#	
50) Toluene-d8	10.263	98	3635	36.176	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 72.360%	
62) 4-Bromofluorobenzene	12.575	95	1701	60.942	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 121.880%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.140	50	363	8.780	ug/l #	63
5) Bromomethane	2.699	94	418	16.203	ug/l	99
16) Acetone	4.011	43	230	60.716	ug/l #	44
20) Methylene Chloride	4.787	84	112	Below Cal	#	4
76) 1,2,3-Trichloropropane	12.575	75	894	85.419	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	894	179.196	ug/l #	5

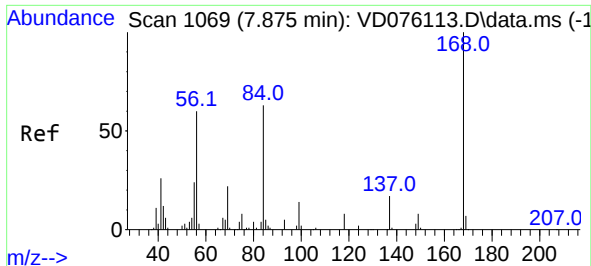
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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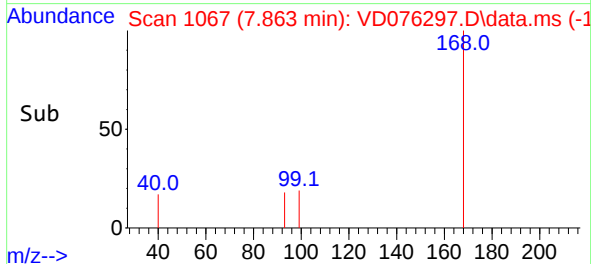
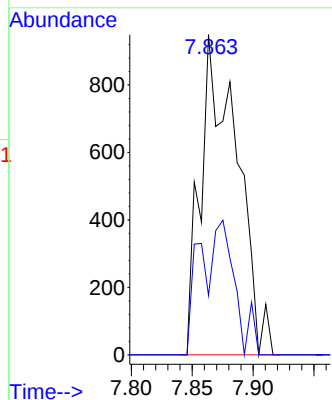
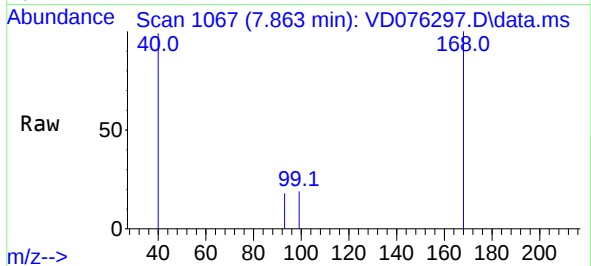




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.863 min Scan# 10
Delta R.T. -0.012 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

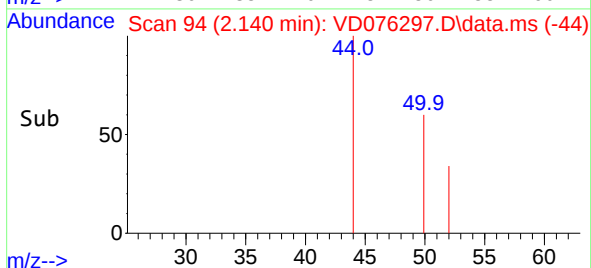
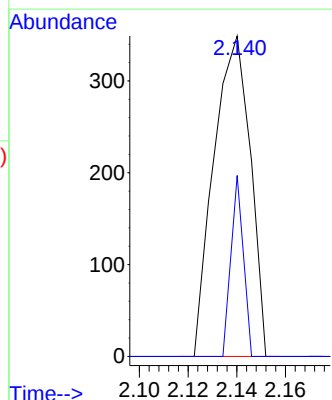
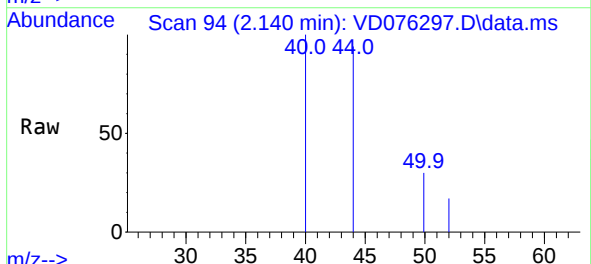
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MSVOA_D
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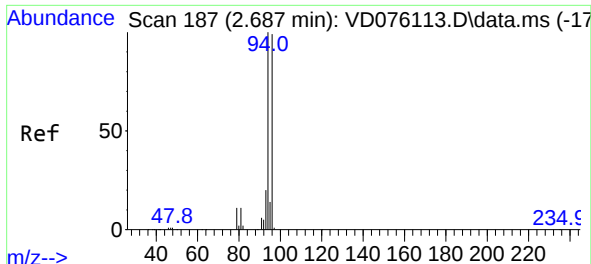
Tgt Ion:168 Resp: 1970
Ion Ratio Lower Upper
168 100
99 18.5 43.8 65.6#



#3
Chloromethane
Concen: 8.780 ug/l
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

Tgt Ion: 50 Resp: 363
Ion Ratio Lower Upper
50 100
52 56.4 27.8 41.8#

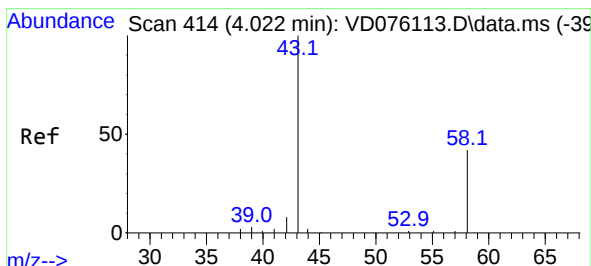
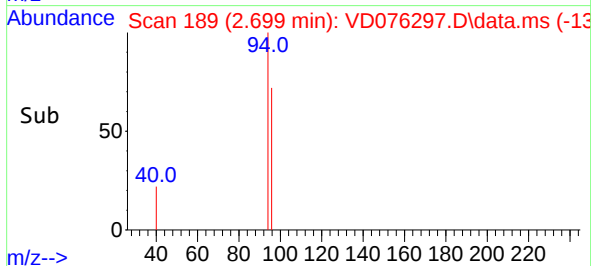
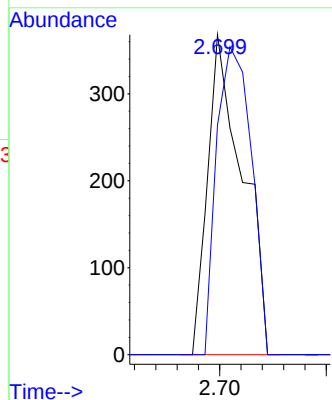
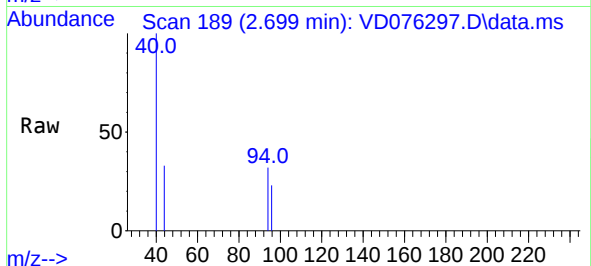




#5
Bromomethane
Concen: 16.203 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

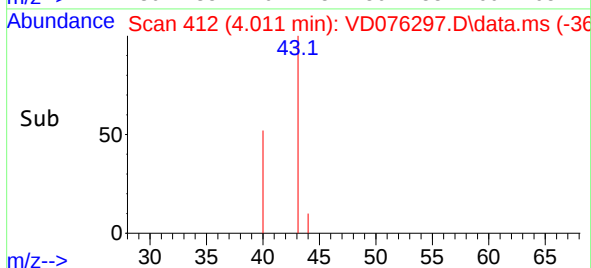
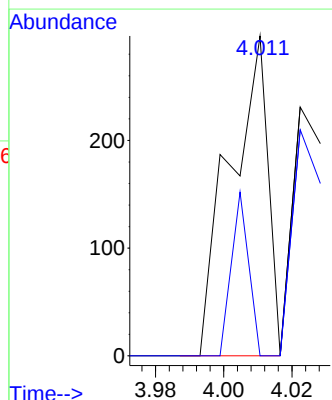
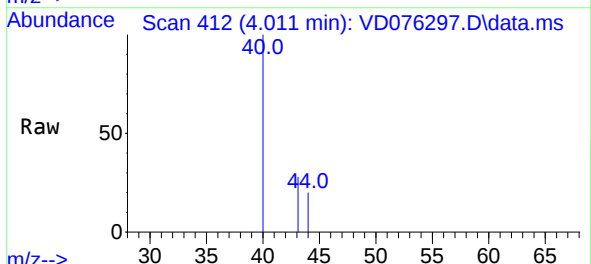
Instrument :
MSVOA_D
ClientSampleId :
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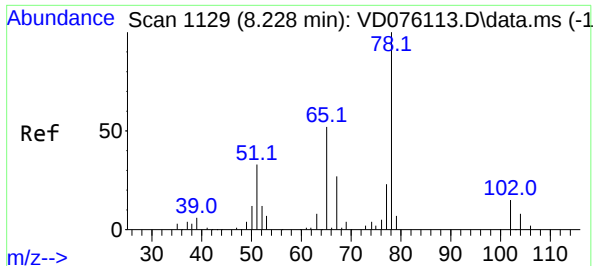
Tgt Ion: 94 Resp: 418
Ion Ratio Lower Upper
94 100
96 95.9 77.5 116.3



#16
Acetone
Concen: 60.716 ug/l
RT: 4.011 min Scan# 412
Delta R.T. -0.011 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

Tgt Ion: 43 Resp: 230
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

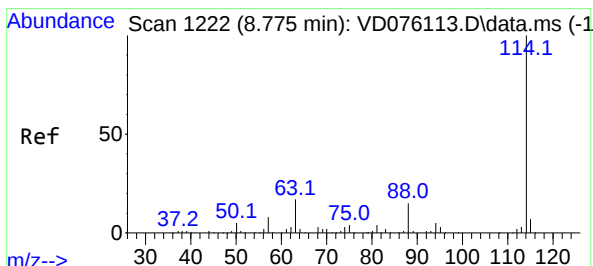
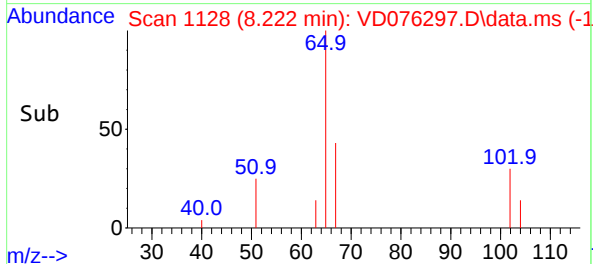
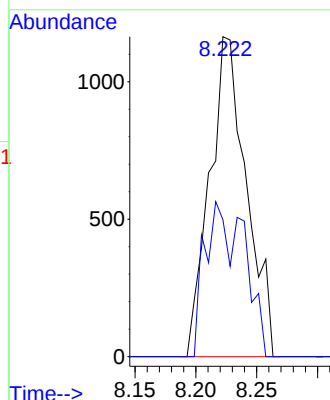
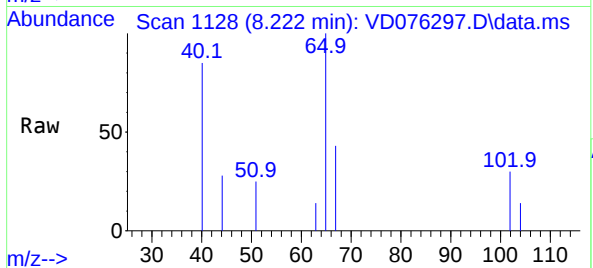




#33
1,2-Dichloroethane-d4
Concen: 128.627 ug/l
RT: 8.222 min Scan# 1129
Delta R.T. -0.012 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

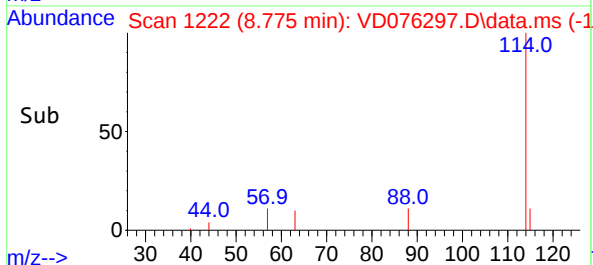
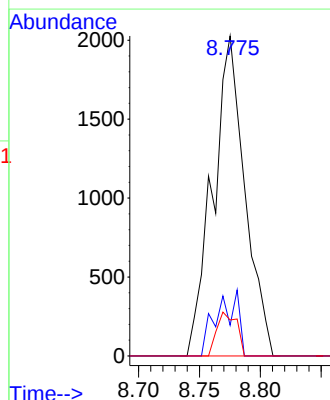
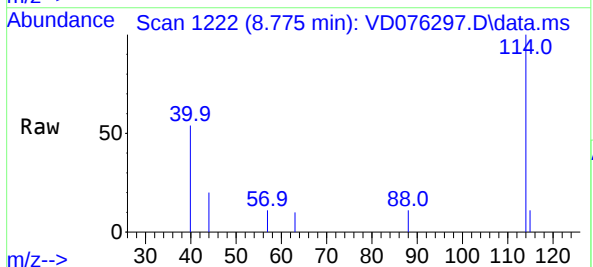
Instrument :
MSVOA_D
ClientSampleId :
SB07

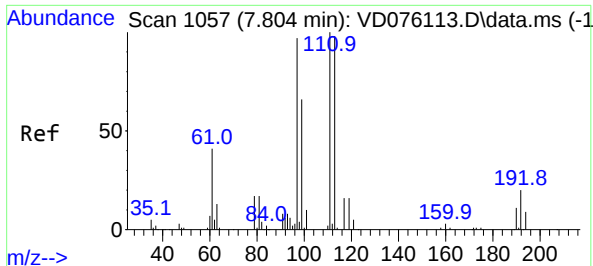
Tgt Ion: 65 Resp: 2449
Ion Ratio Lower Upper
65 100
67 31.4 0.0 102.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

Tgt Ion: 114 Resp: 3729
Ion Ratio Lower Upper
114 100
63 9.6 0.0 41.6
88 11.2 0.0 30.6

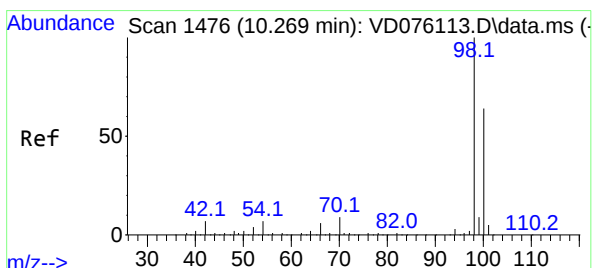
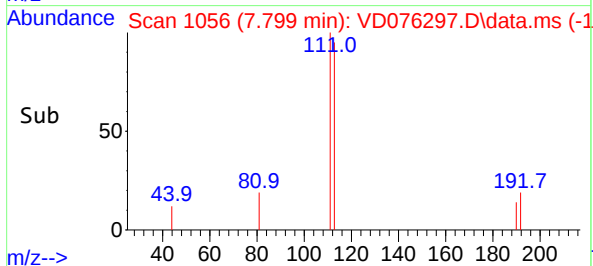
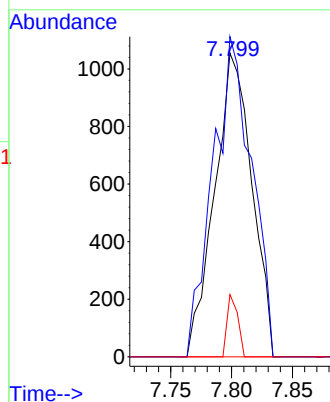
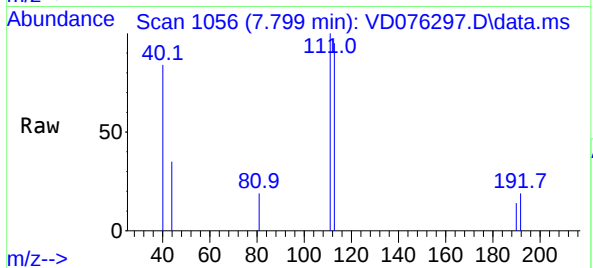




#35
Dibromofluoromethane
Concen: 87.059 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

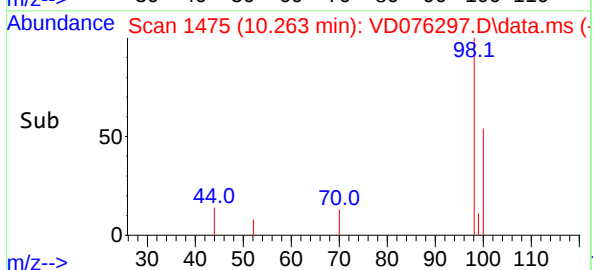
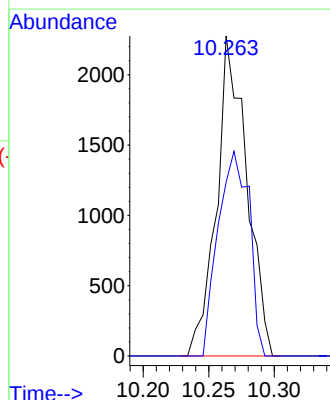
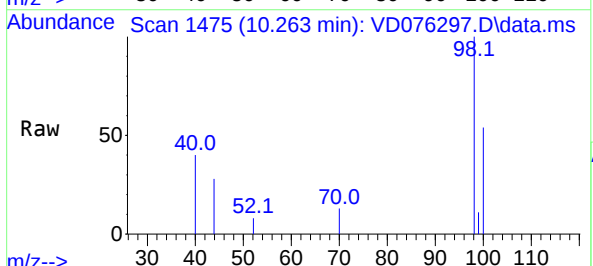
Instrument :
MSVOA_D
ClientSampleId :
SB07

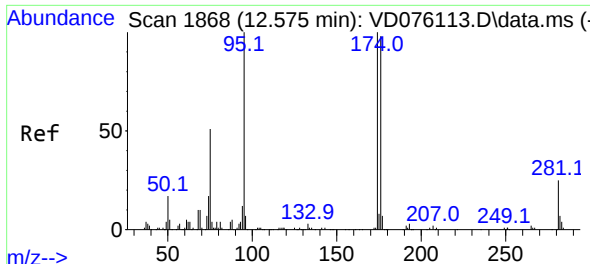
Tgt Ion:113	Resp:	2244
Ion	Ratio	Lower Upper
113	100	
111	109.5	81.4 122.0
192	5.8	15.2 22.8#



#50
Toluene-d8
Concen: 36.176 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

Tgt Ion: 98	Resp:	3635
Ion	Ratio	Lower Upper
98	100	
100	66.0	52.1 78.1

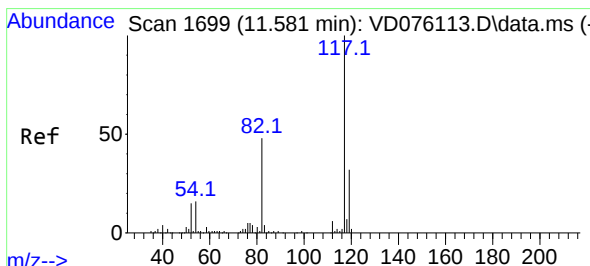
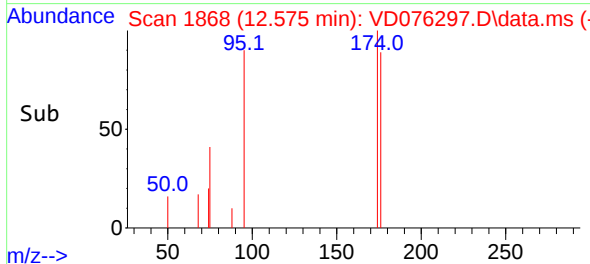
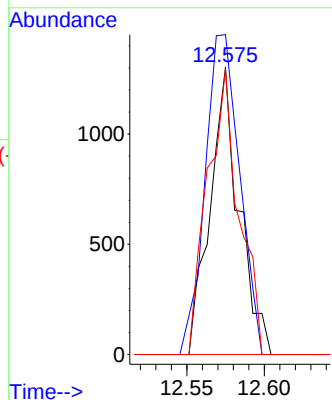
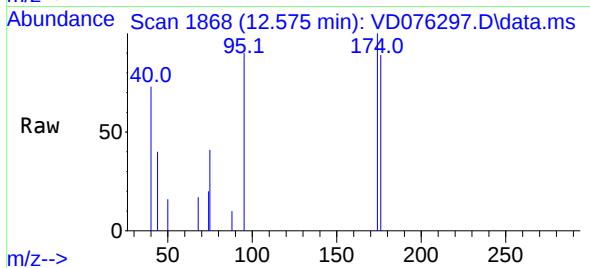




#62
4-Bromofluorobenzene
Concen: 60.942 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

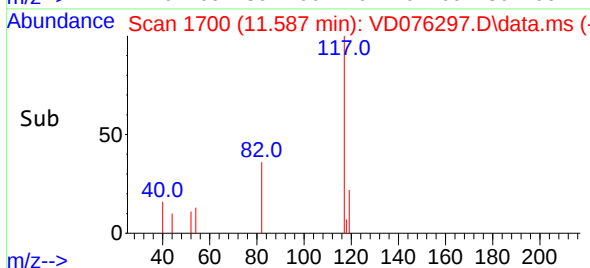
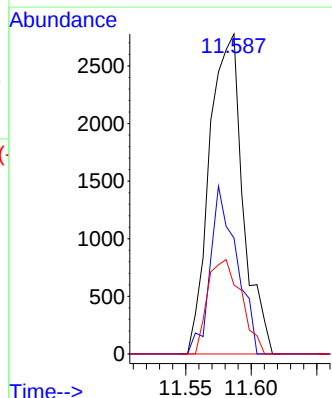
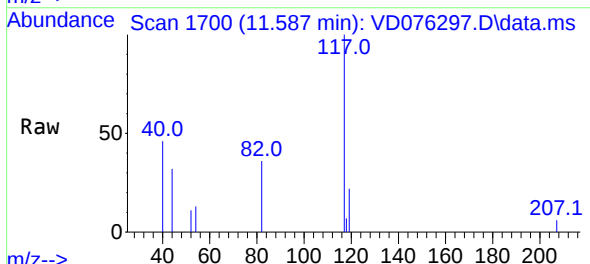
Instrument :
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ClientSampleId :
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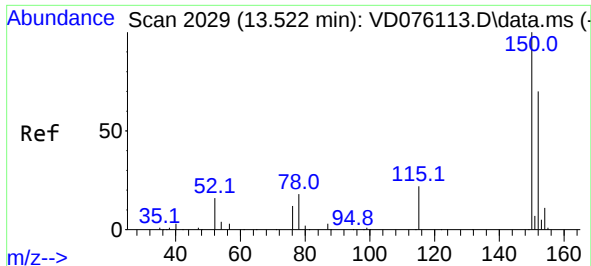
Tgt Ion: 95	Resp: 1701
Ion Ratio	Lower Upper
95 100	
174 132.6	0.0 164.0
176 107.4	0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD076297.D
Acq: 31 May 2023 21:25

Tgt Ion:117	Resp:	4925	
Ion	Ratio	Lower	Upper
117	100		
82	36.3	44.0	66.0#
119	21.6	25.1	37.7#

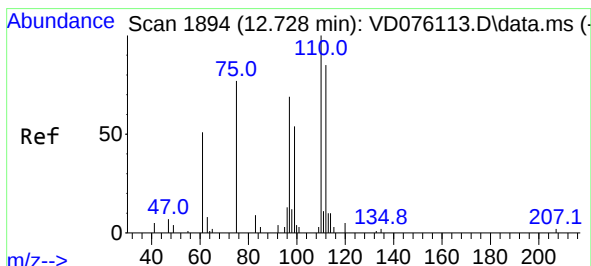
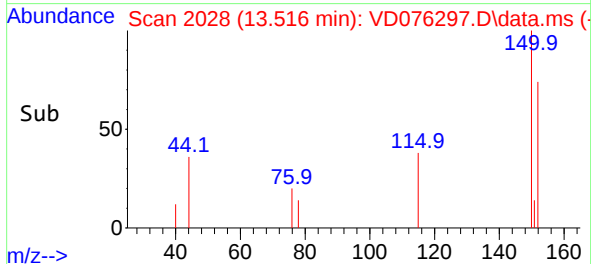
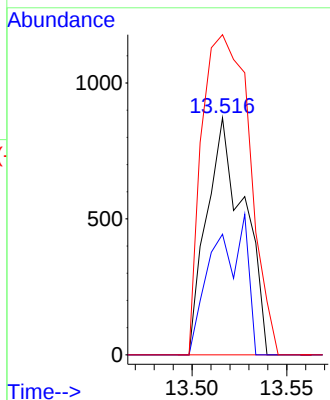
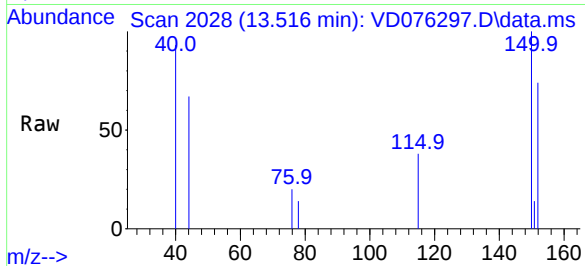




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.516 min Scan# 2029
 Delta R.T. -0.006 min
 Lab File: VD076297.D
 Acq: 31 May 2023 21:25

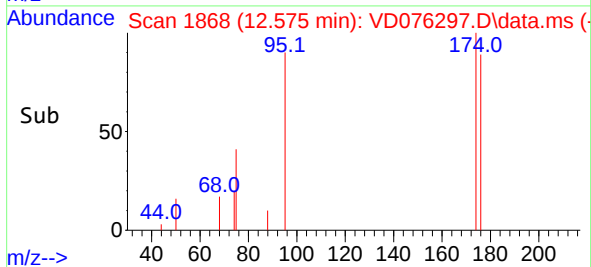
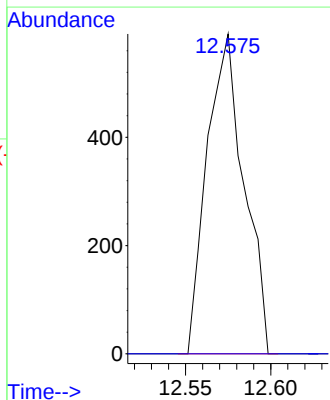
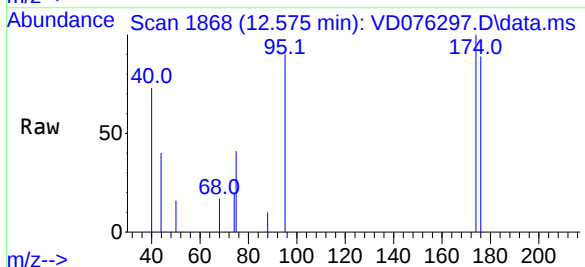
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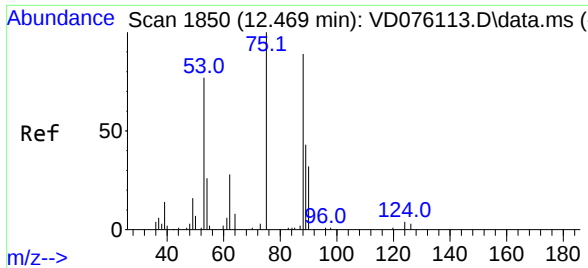
Tgt Ion:152 Resp: 1196
 Ion Ratio Lower Upper
 152 100
 115 53.6 30.1 90.3
 150 173.0 0.0 364.8



#76
 1,2,3-Trichloropropane
 Concen: 85.419 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.153 min
 Lab File: VD076297.D
 Acq: 31 May 2023 21:25

Tgt Ion: 75 Resp: 894
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 179.196 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD076297.D
 Acq: 31 May 2023 21:25

Instrument :
 MSVOA_D
 ClientSampleId :
 SB07

Tgt Ion: 75 Resp: 894
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 40.2 60.4#

