

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041123\
 Data File : VD075627.D
 Acq On : 11 Apr 2023 18:38
 Operator : KP/SY
 Sample : 02260-06
 Misc : 4.99G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1B

Quant Time: Apr 12 02:58:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 11 18:54:55 2023
 Response via : Initial Calibration

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

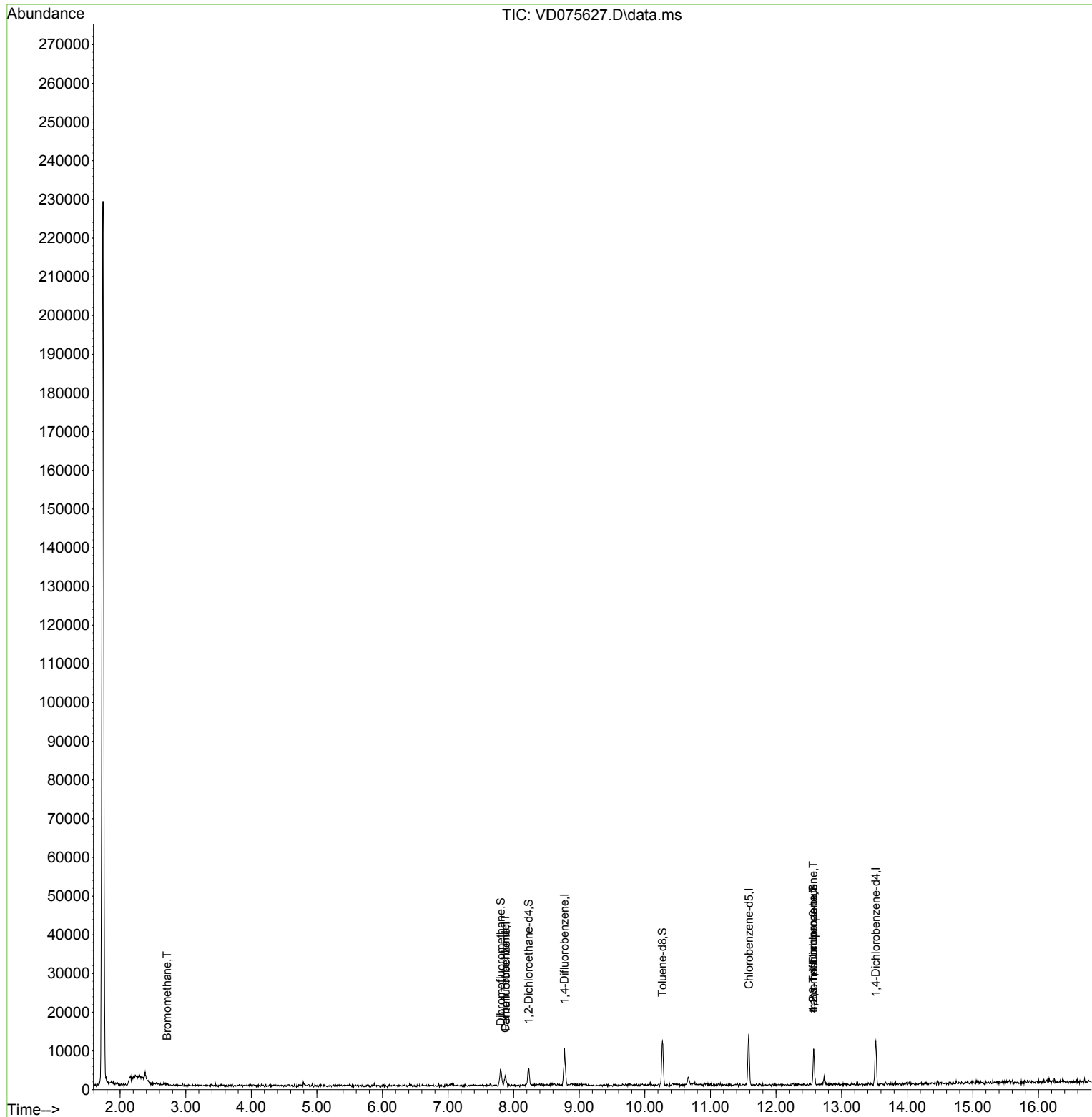
Internal Standards						
1) Pentafluorobenzene	7.881	168	3140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	9522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	8971	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	3674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	3405	132.187	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 264.380%#	
35) Dibromofluoromethane	7.805	113	3294	59.028	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.060%	
50) Toluene-d8	10.269	98	9275	42.374	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 84.740%	
62) 4-Bromofluorobenzene	12.569	95	3133	45.961	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.920%	
Target Compounds						
						Qvalue
3) Chloromethane	2.140	50	201	Below Cal	#	40
5) Bromomethane	2.717	94	215	4.999	ug/l	92
20) Methylene Chloride	4.822	84	81	Below Cal	#	4
38) Carbon Tetrachloride	7.875	117	124	1.814	ug/l	# 13
76) 1,2,3-Trichloropropane	12.569	75	1529	53.177	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.569	75	1529	121.874	ug/l	# 5

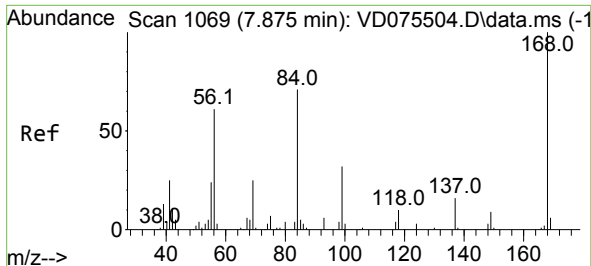
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
ClientSampleId :
SP-1B

Quant Time: Apr 12 02:58:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
Quant Title : SW846 8260
QLast Update : Tue Apr 11 18:54:55 2023
Response via : Initial Calibration

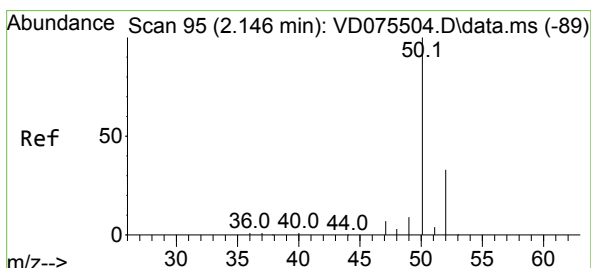
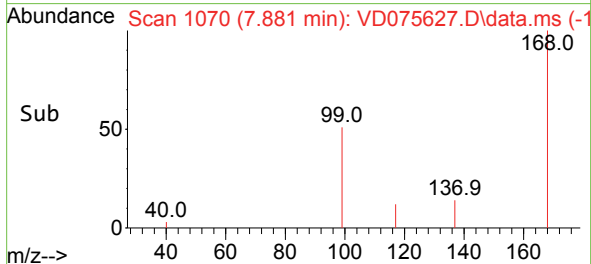
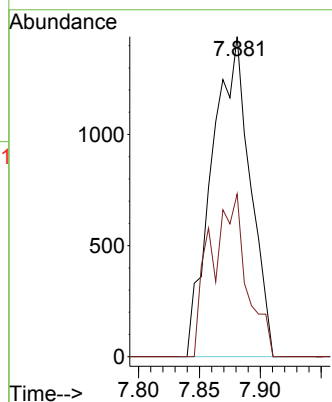
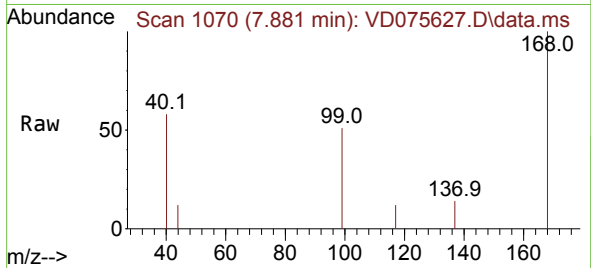




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

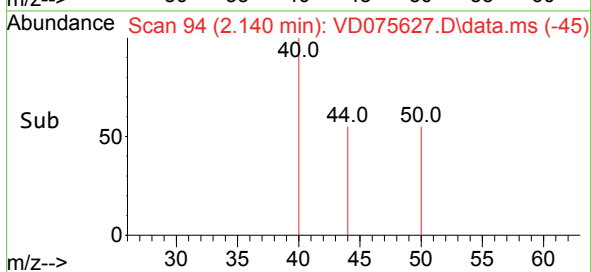
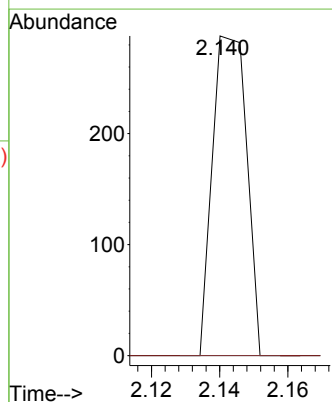
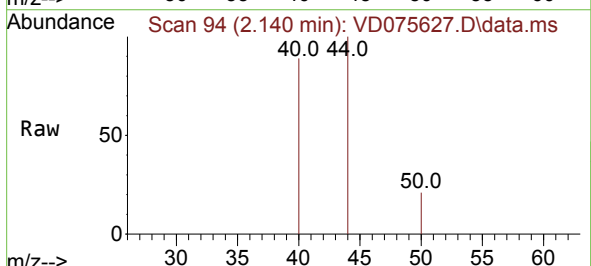
Instrument :
MSVOA_D
ClientSampleId :
SP-1B

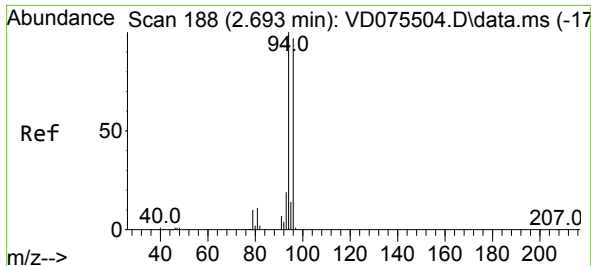
Tgt Ion:168 Resp: 3140
Ion Ratio Lower Upper
168 100
99 50.8 43.8 65.6



#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.012 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

Tgt Ion: 50 Resp: 201
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

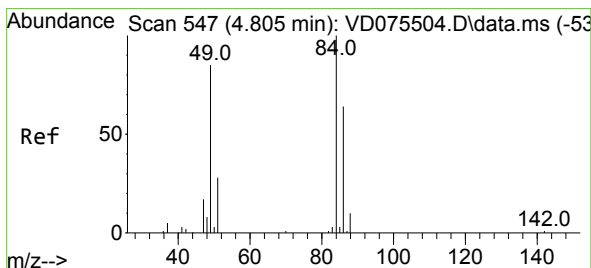
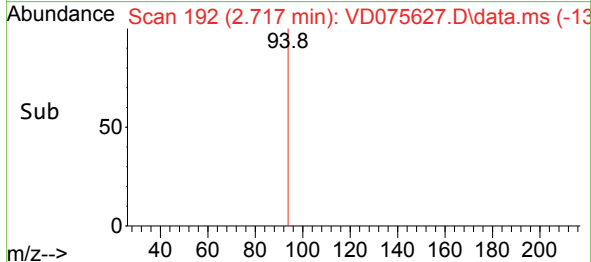
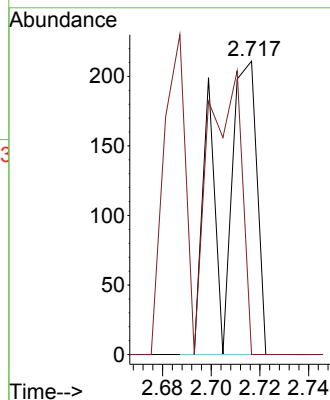
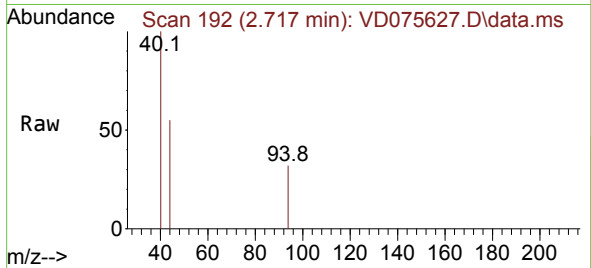




#5
Bromomethane
Concen: 4.999 ug/l
RT: 2.717 min Scan# 11
Delta R.T. 0.024 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

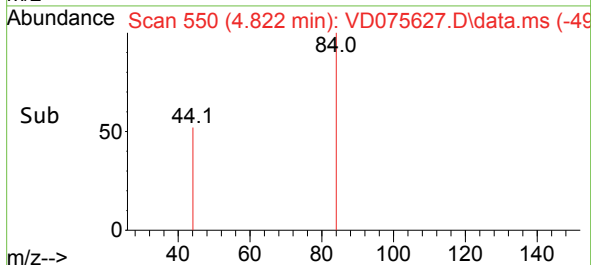
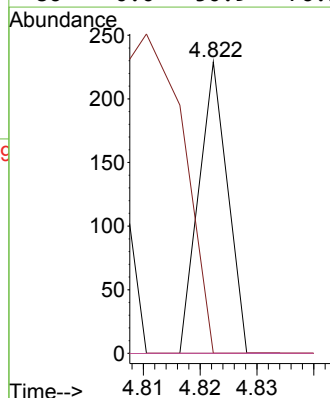
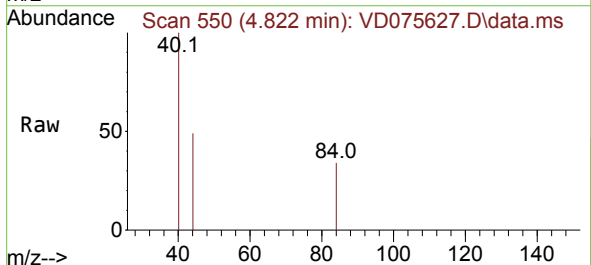
Instrument :
MSVOA_D
ClientSampleId :
SP-1B

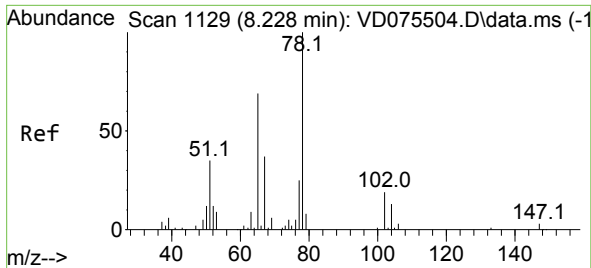
Tgt Ion: 94 Resp: 215
Ion Ratio Lower Upper
94 100
96 88.8 77.5 116.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.822 min Scan# 550
Delta R.T. 0.017 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

Tgt Ion: 84 Resp: 81
Ion Ratio Lower Upper
84 100
49 0.0 106.4 159.6#
51 0.0 32.4 48.6#
86 0.0 50.9 76.3#

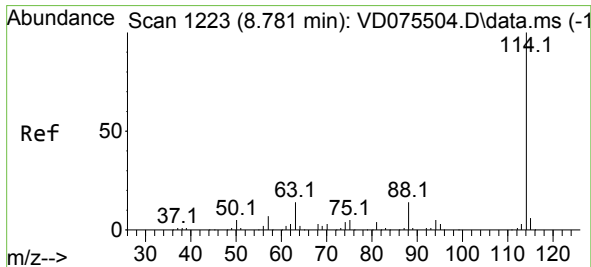
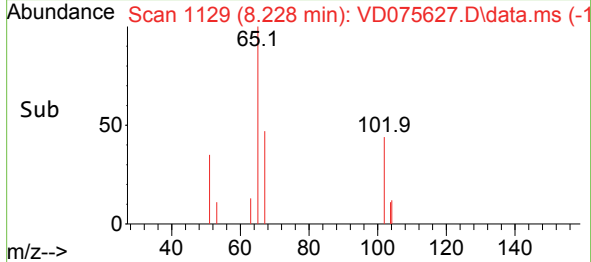
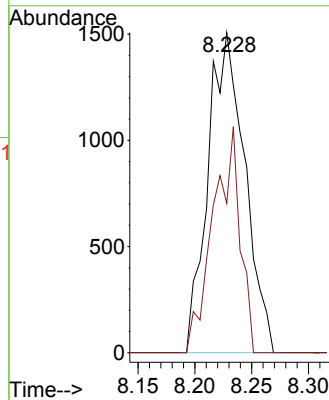
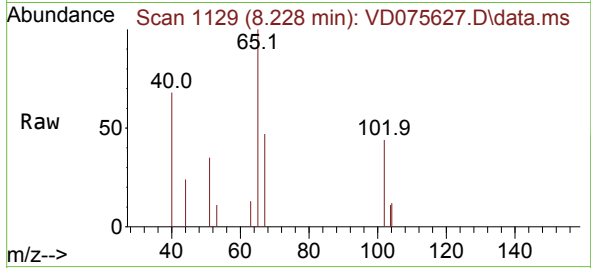




#33
 1,2-Dichloroethane-d4
 Concen: 132.187 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VD075627.D
 Acq: 11 Apr 2023 18:38

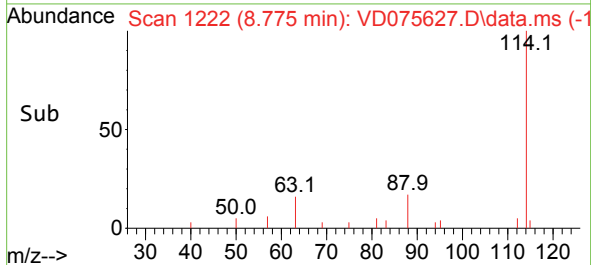
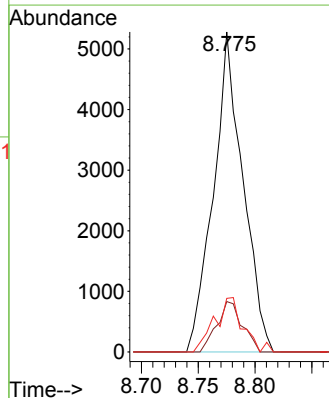
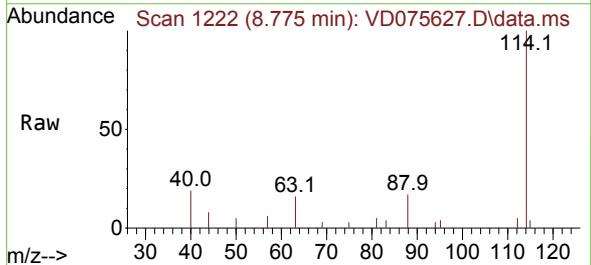
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1B

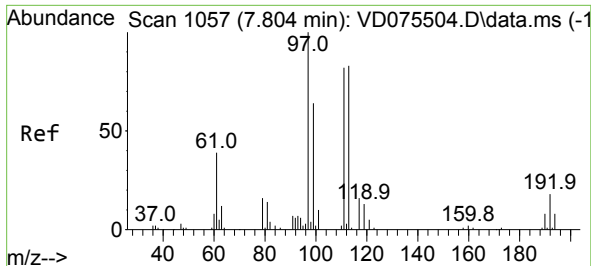
Tgt Ion: 65 Resp: 3405
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.006 min
 Lab File: VD075627.D
 Acq: 11 Apr 2023 18:38

Tgt Ion: 114 Resp: 9522
 Ion Ratio Lower Upper
 114 100
 63 15.8 0.0 41.6
 88 16.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 59.028 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075627.D

Acq: 11 Apr 2023 18:38

Instrument :

MSVOA_D

ClientSampleId :

SP-1B

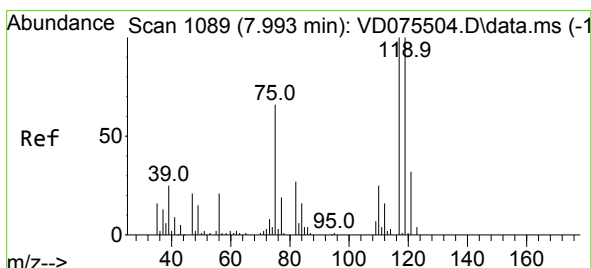
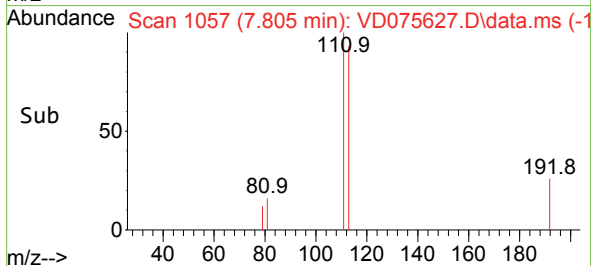
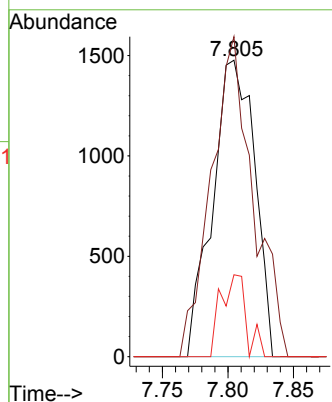
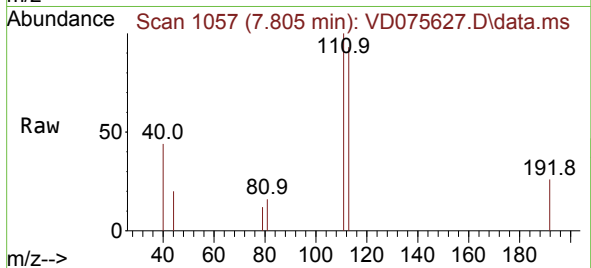
Tgt Ion:113 Resp: 3294

Ion Ratio Lower Upper

113 100

111 107.3 81.4 122.0

192 16.7 15.2 22.8



#38

Carbon Tetrachloride

Concen: 1.814 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.118 min

Lab File: VD075627.D

Acq: 11 Apr 2023 18:38

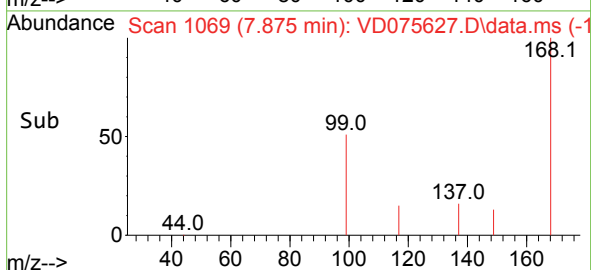
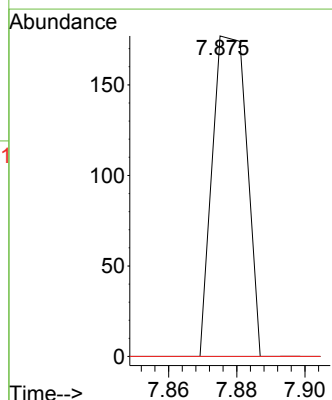
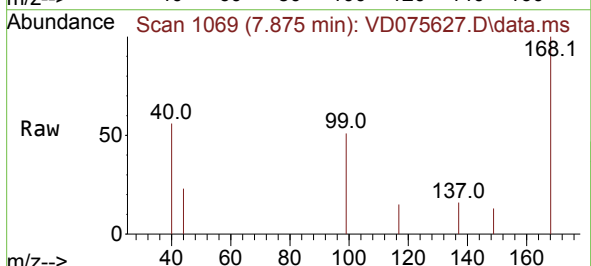
Tgt Ion:117 Resp: 124

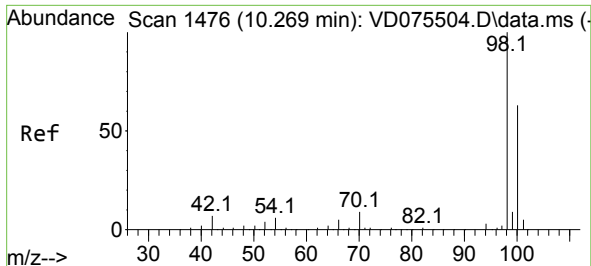
Ion Ratio Lower Upper

117 100

119 0.0 74.7 112.1#

121 0.0 25.9 38.9#

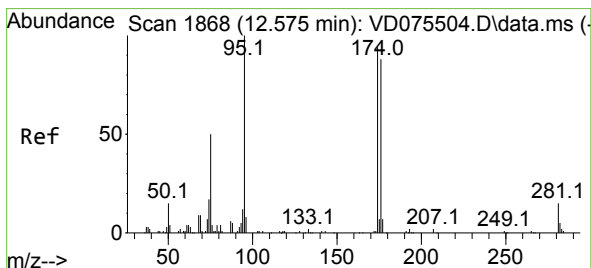
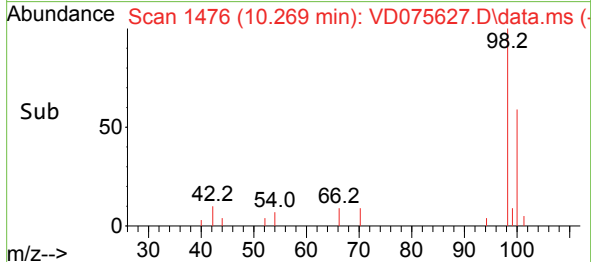
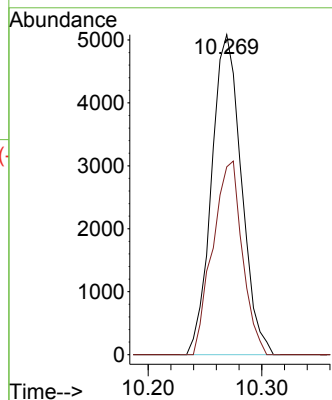
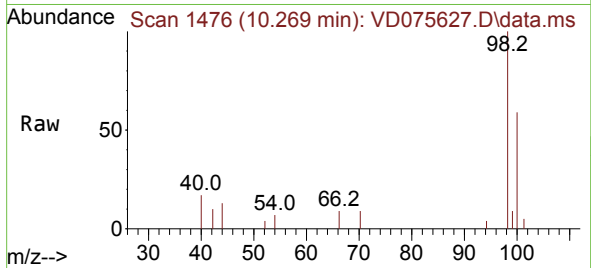




#50
Toluene-d8
Concen: 42.374 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

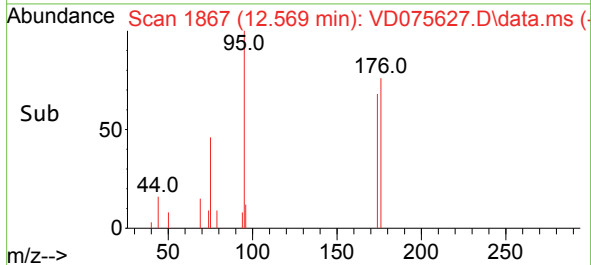
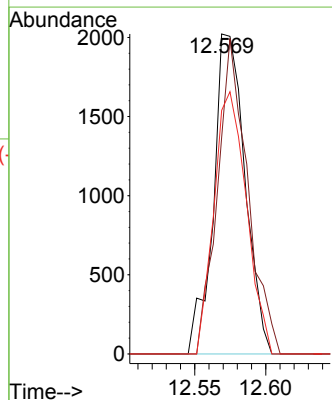
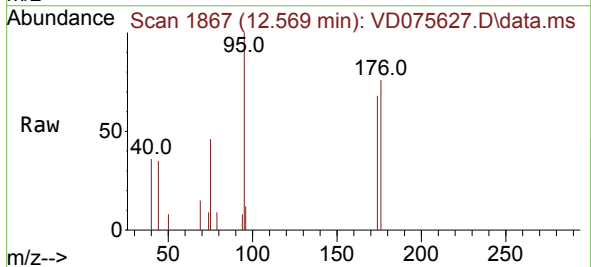
Instrument :
MSVOA_D
ClientSampleId :
SP-1B

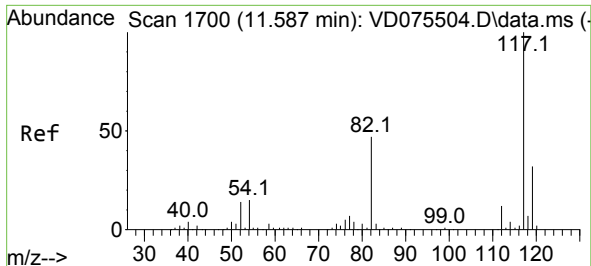
Tgt Ion: 98 Resp: 9275
Ion Ratio Lower Upper
98 100
100 60.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 45.961 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

Tgt Ion: 95 Resp: 3133
Ion Ratio Lower Upper
95 100
174 93.9 0.0 164.0
176 84.2 0.0 156.8

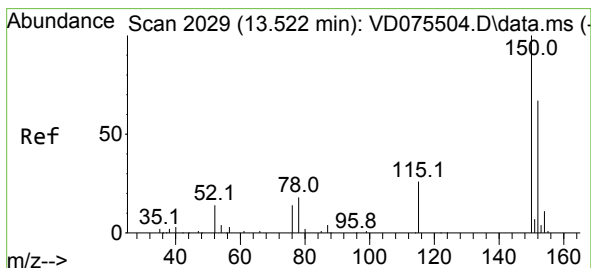
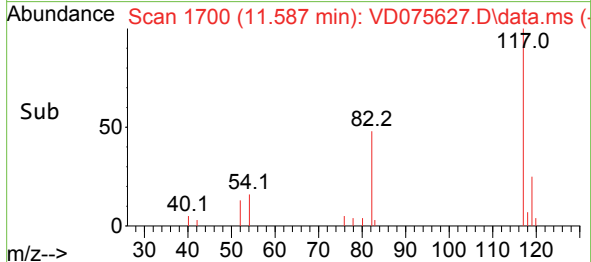
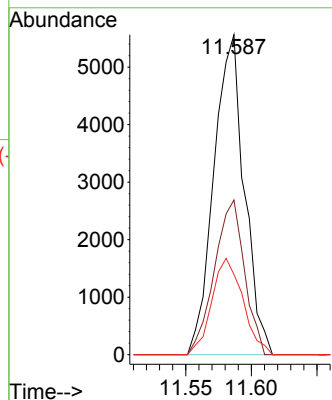
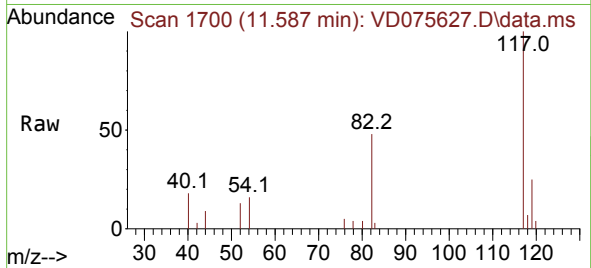




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

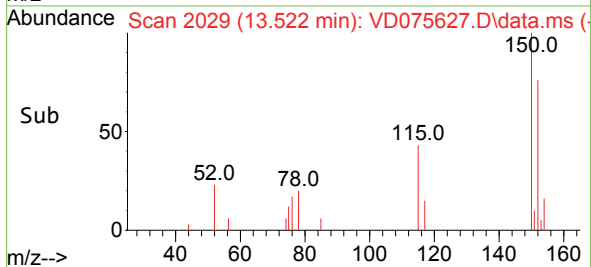
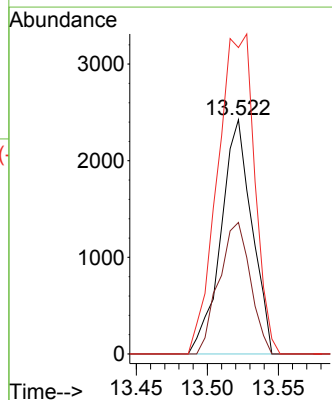
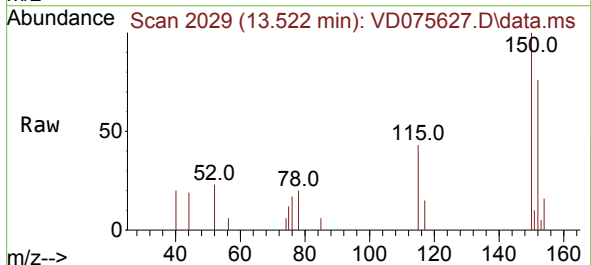
Instrument :
MSVOA_D
ClientSampleId :
SP-1B

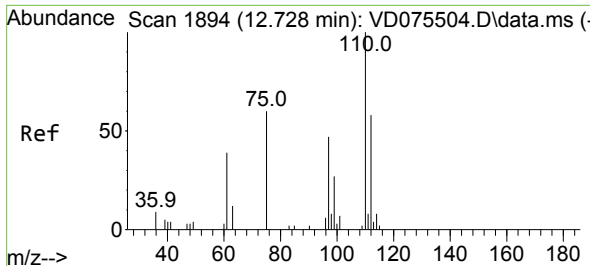
Tgt Ion:117 Resp: 8971
Ion Ratio Lower Upper
117 100
82 48.3 44.0 66.0
119 25.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

Tgt Ion:152 Resp: 3674
Ion Ratio Lower Upper
152 100
115 56.9 30.1 90.3
150 164.1 0.0 364.8

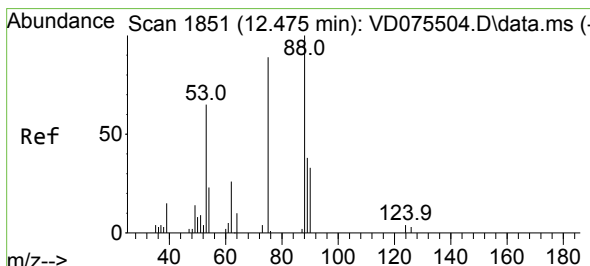
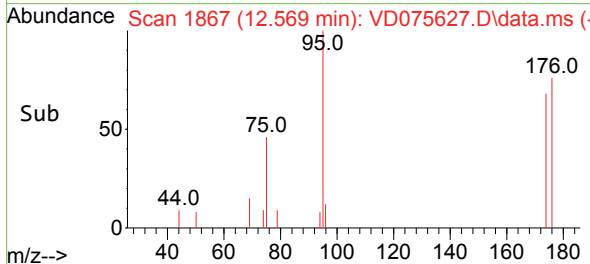
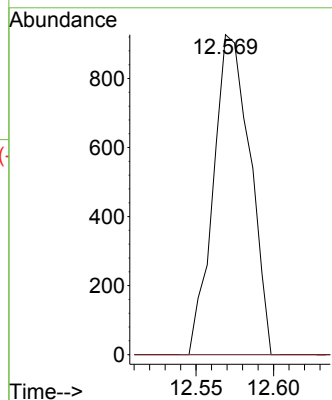
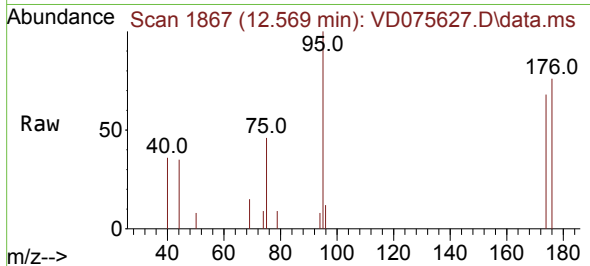




#76
1,2,3-Trichloropropane
Concen: 53.177 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.159 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

Instrument :
MSVOA_D
ClientSampleId :
SP-1B

Tgt Ion: 75 Resp: 1529
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 121.874 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.100 min
Lab File: VD075627.D
Acq: 11 Apr 2023 18:38

Tgt Ion: 75 Resp: 1529
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 40.2 60.4#

