

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041123\
 Data File : VD075629.D
 Acq On : 11 Apr 2023 19:38
 Operator : KP/SY
 Sample : 02260-12
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1D

Quant Time: Apr 12 02:59:33 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)

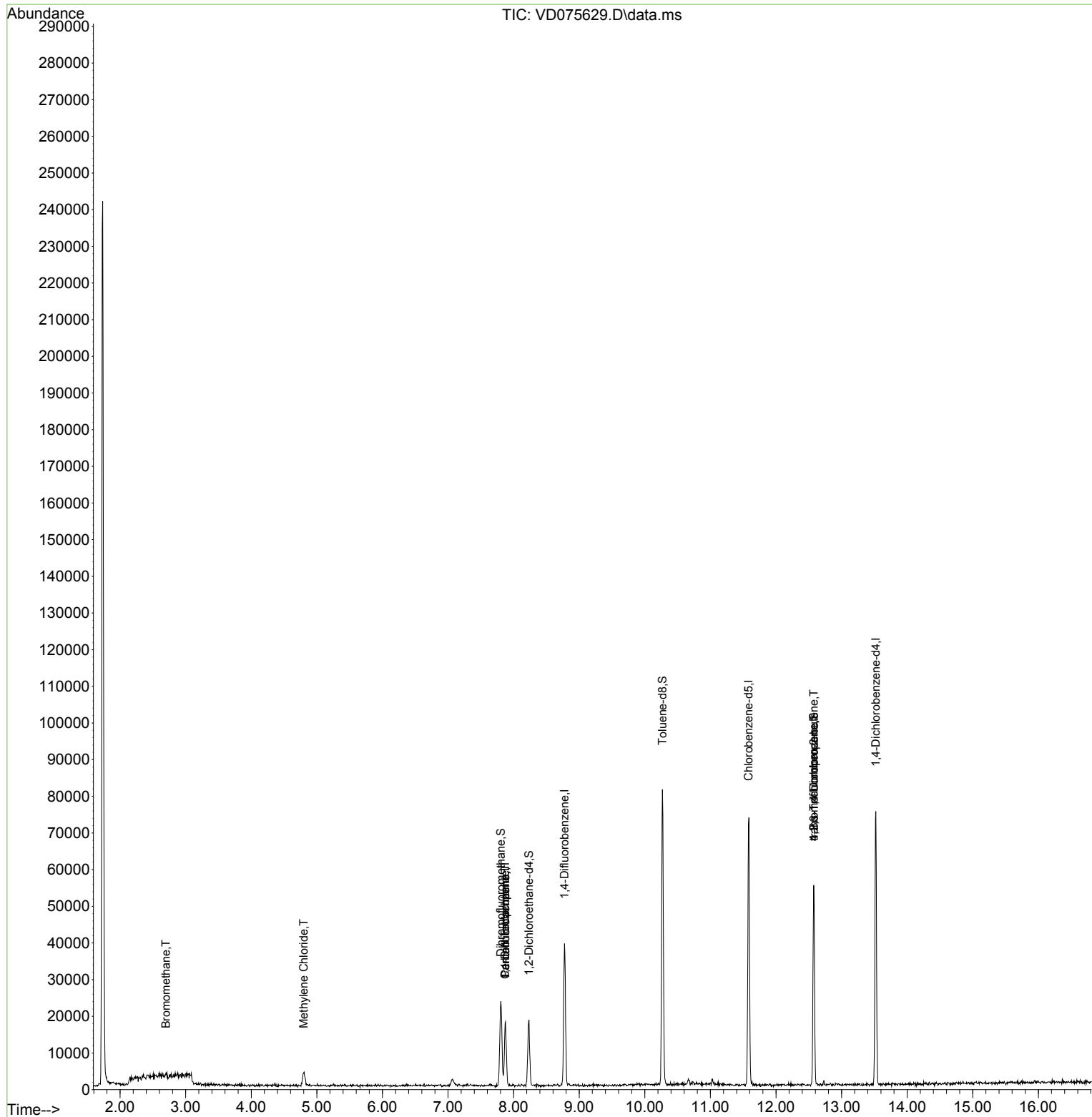
Internal Standards						
1) Pentafluorobenzene	7.875	168	14678	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	37604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	47673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	22099	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	13556	112.581	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 225.160%#	
35) Dibromofluoromethane	7.805	113	17193	78.015	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 156.020%#	
50) Toluene-d8	10.269	98	62758	72.602	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 145.200%#	
62) 4-Bromofluorobenzene	12.575	95	18033	67.761	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 135.520%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.146	50	195	Below Cal	#	40
5) Bromomethane	2.699	94	563	2.801	ug/l #	56
20) Methylene Chloride	4.799	84	3561	12.115	ug/l #	74
36) 1,1-Dichloropropene	7.869	75	1149	4.082	ug/l #	42
38) Carbon Tetrachloride	7.869	117	1336	4.950	ug/l #	13
76) 1,2,3-Trichloropropane	12.575	75	8950	51.749	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	8950	118.602	ug/l #	5

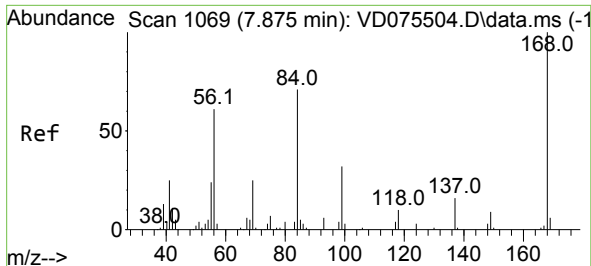
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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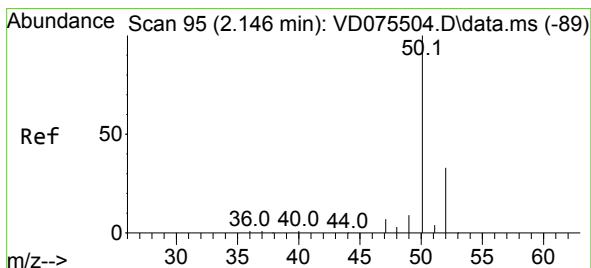
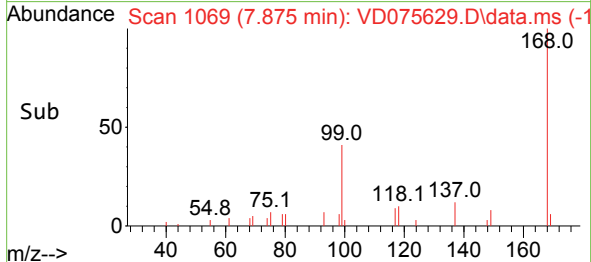
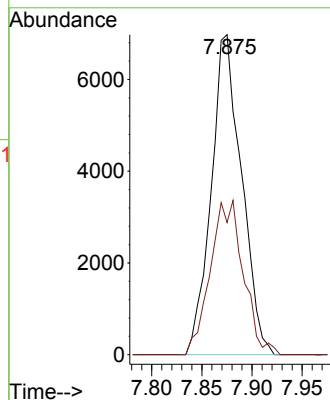
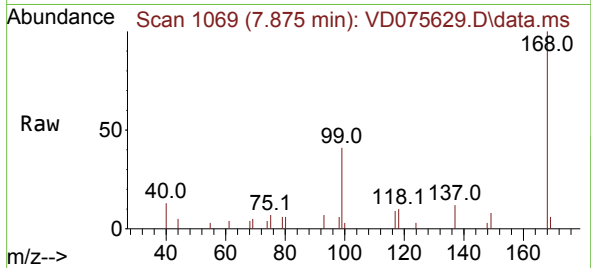




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075629.D
Acq: 11 Apr 2023 19:38

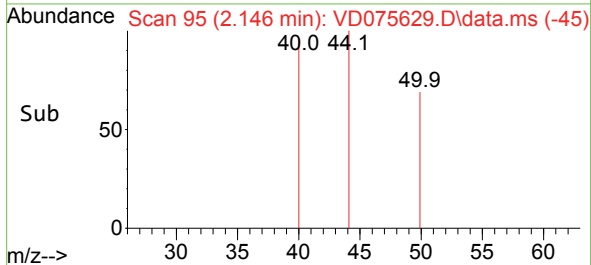
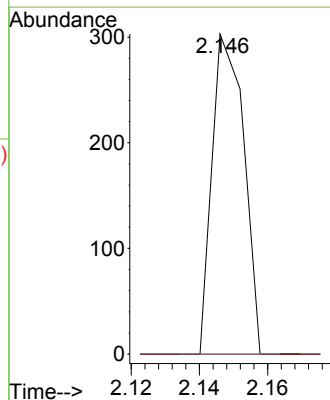
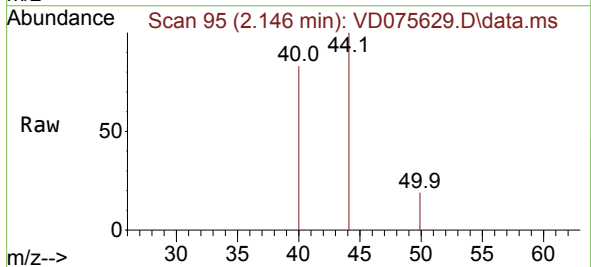
Instrument :
MSVOA_D
ClientSampleId :
SP-1D

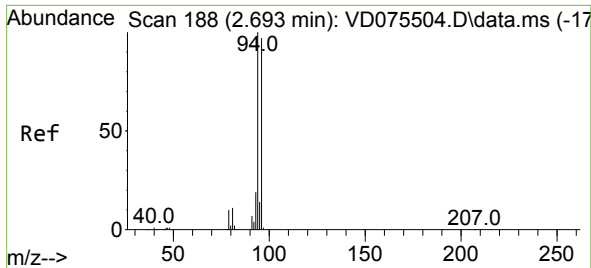
Tgt Ion:168 Resp: 14678
Ion Ratio Lower Upper
168 100
99 41.3 43.8 65.6#



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.006 min
Lab File: VD075629.D
Acq: 11 Apr 2023 19:38

Tgt Ion: 50 Resp: 195
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.8#

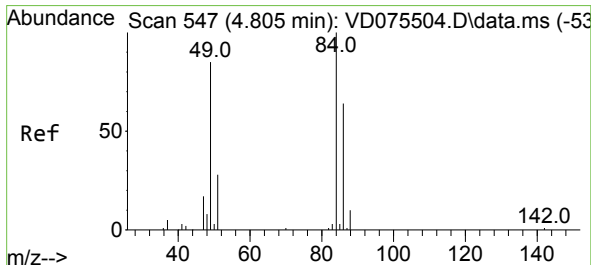
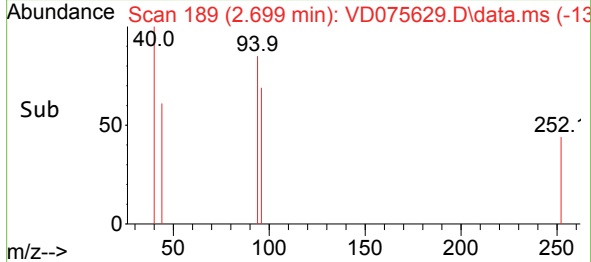
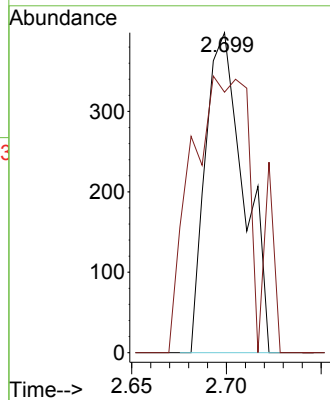
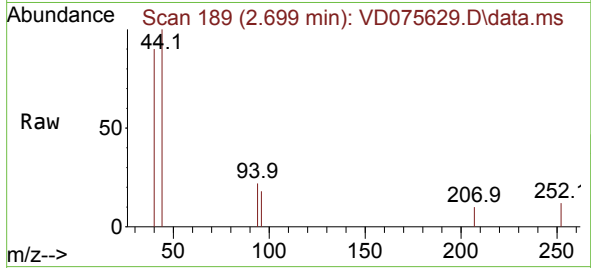




#5
Bromomethane
Concen: 2.801 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD075629.D
Acq: 11 Apr 2023 19:38

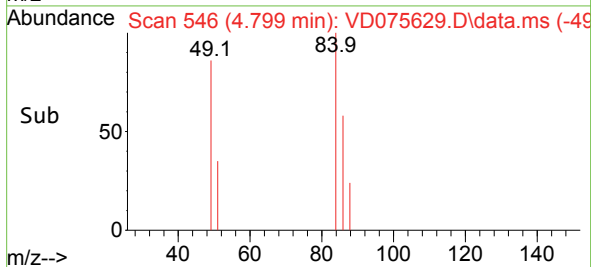
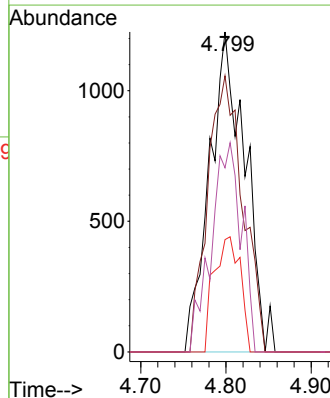
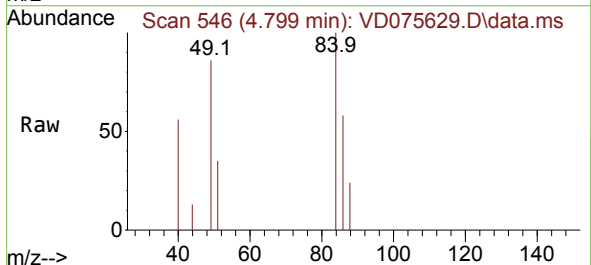
Instrument :
MSVOA_D
ClientSampleId :
SP-1D

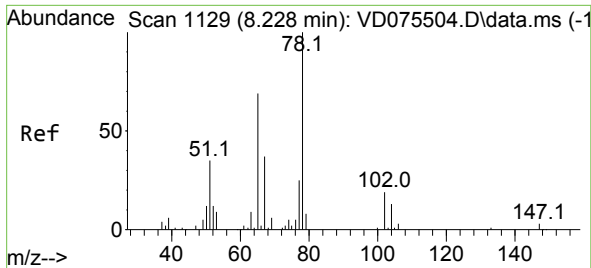
Tgt Ion: 94 Resp: 563
Ion Ratio Lower Upper
94 100
96 140.0 77.5 116.3#



#20
Methylene Chloride
Concen: 12.115 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.006 min
Lab File: VD075629.D
Acq: 11 Apr 2023 19:38

Tgt Ion: 84 Resp: 3561
Ion Ratio Lower Upper
84 100
49 86.3 106.4 159.6#
51 35.1 32.4 48.6
86 57.6 50.9 76.3

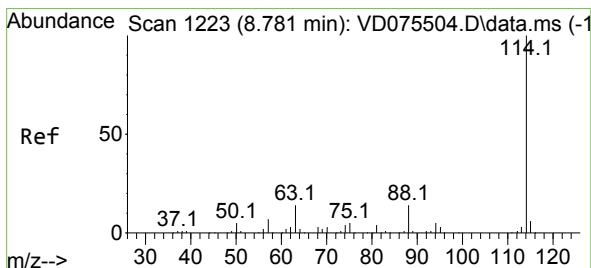
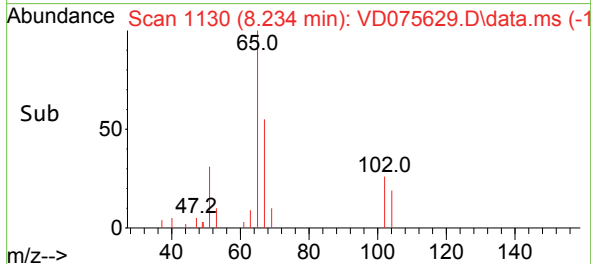
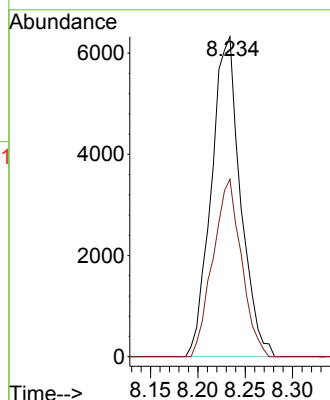
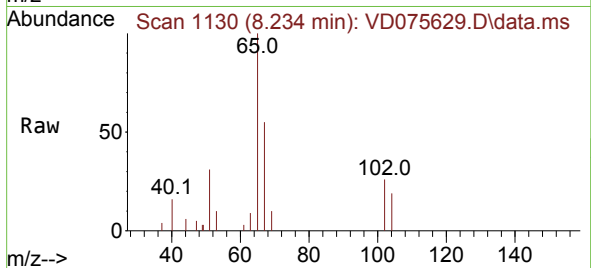




#33
 1,2-Dichloroethane-d4
 Concen: 112.581 ug/l
 RT: 8.234 min Scan# 1129
 Delta R.T. 0.006 min
 Lab File: VD075629.D
 Acq: 11 Apr 2023 19:38

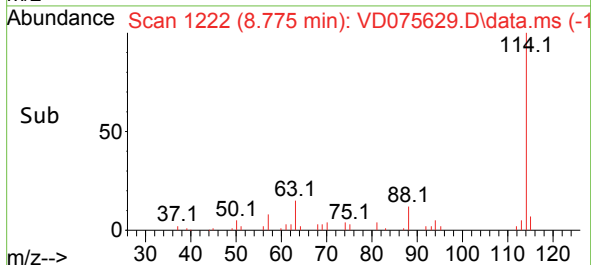
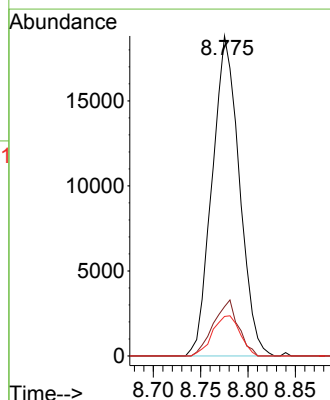
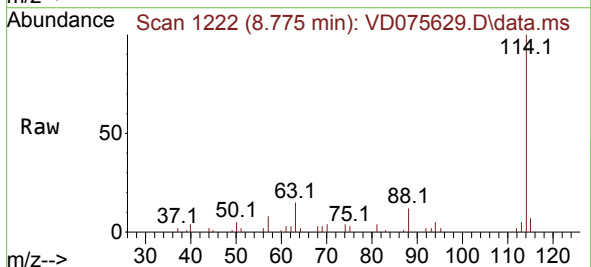
Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1D

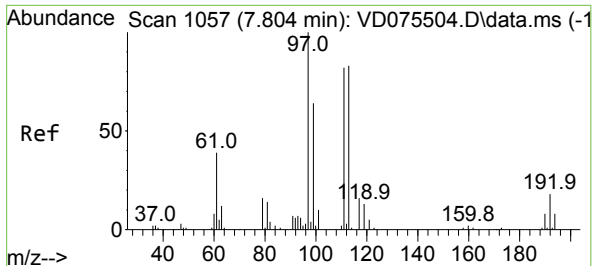
Tgt Ion: 65 Resp: 13556
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.006 min
 Lab File: VD075629.D
 Acq: 11 Apr 2023 19:38

Tgt Ion: 114 Resp: 37604
 Ion Ratio Lower Upper
 114 100
 63 15.4 0.0 41.6
 88 12.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 78.015 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD075629.D

Acq: 11 Apr 2023 19:38

Instrument :

MSVOA_D

ClientSampleId :

SP-1D

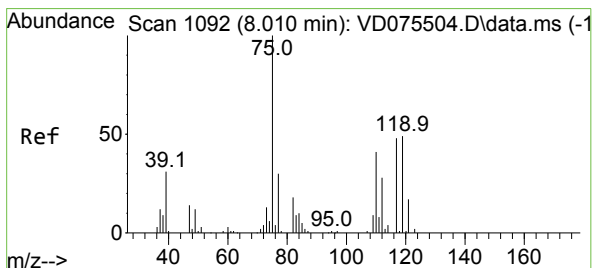
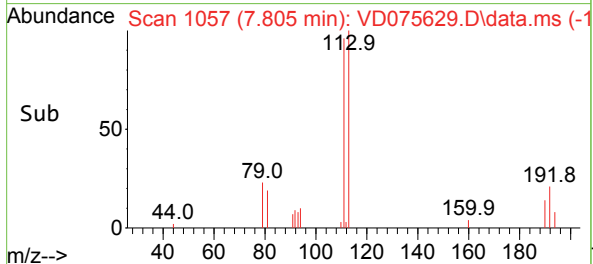
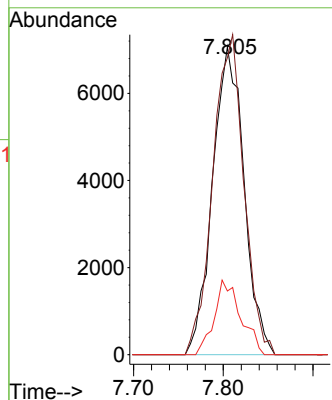
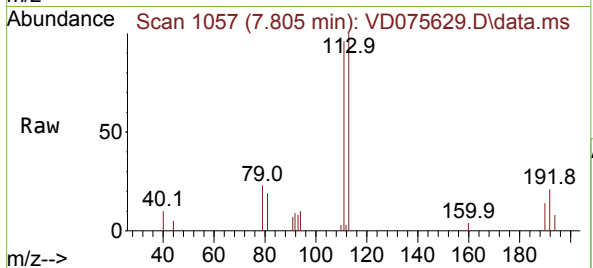
Tgt Ion:113 Resp: 17193

Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 20.5 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.082 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VD075629.D

Acq: 11 Apr 2023 19:38

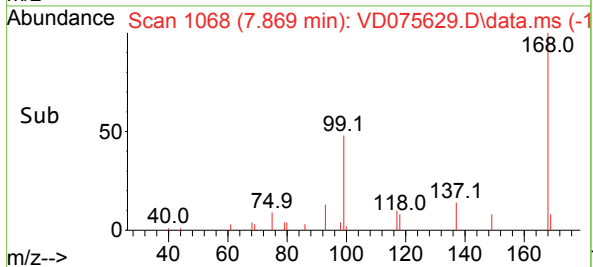
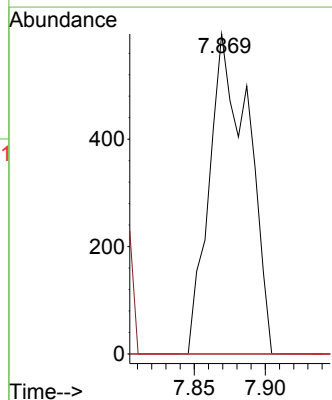
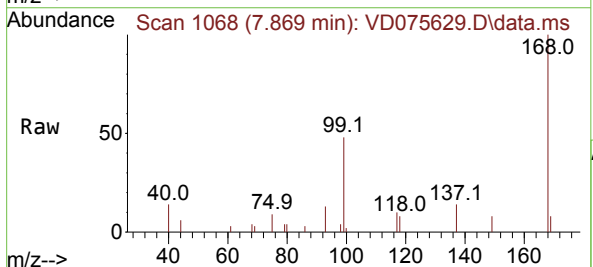
Tgt Ion: 75 Resp: 1149

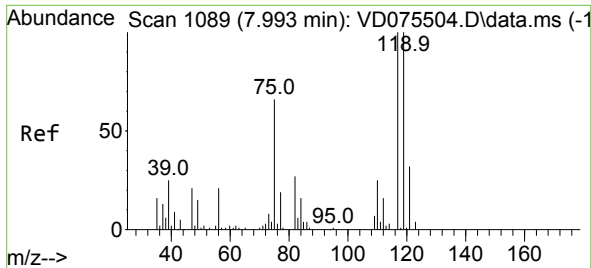
Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.6 36.8#

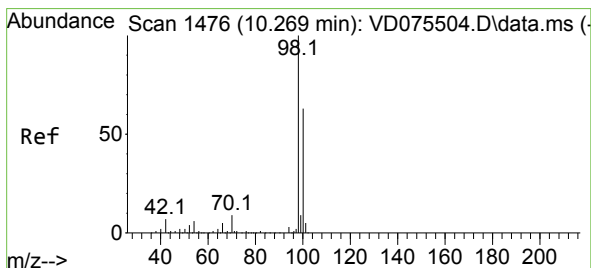
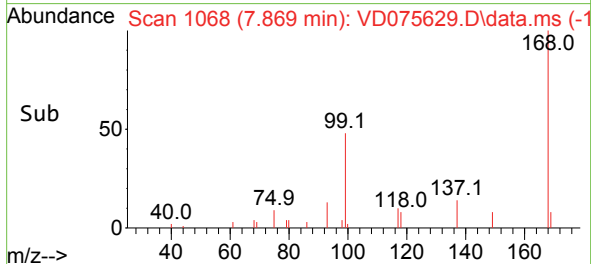
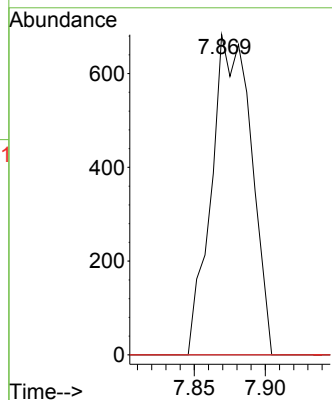
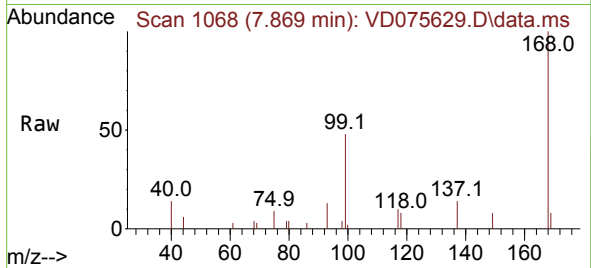




#38
Carbon Tetrachloride
Concen: 4.950 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.124 min
Lab File: VD075629.D
Acq: 11 Apr 2023 19:38

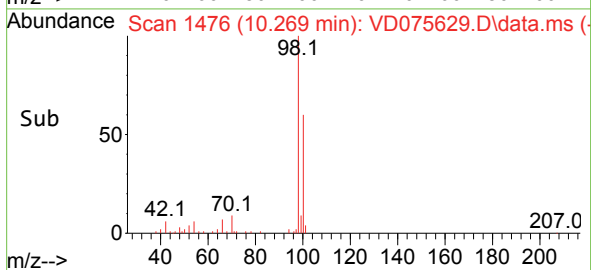
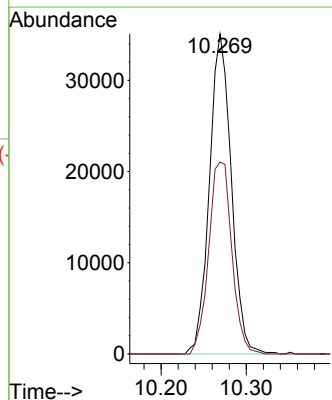
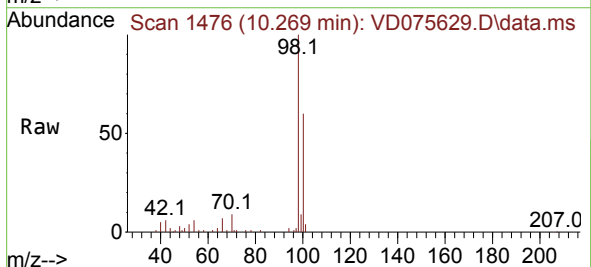
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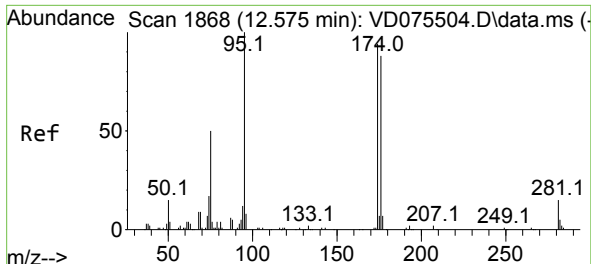
Tgt Ion:117 Resp: 1336
Ion Ratio Lower Upper
117 100
119 0.0 74.7 112.1#
121 0.0 25.9 38.9#



#50
Toluene-d8
Concen: 72.602 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075629.D
Acq: 11 Apr 2023 19:38

Tgt Ion: 98 Resp: 62758
Ion Ratio Lower Upper
98 100
100 63.4 52.1 78.1

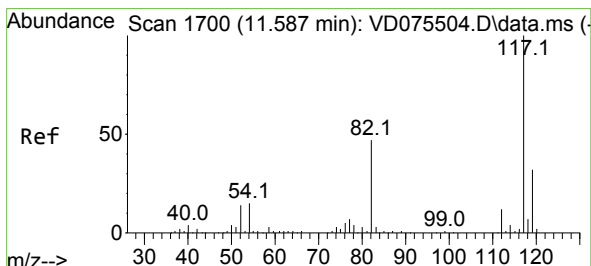
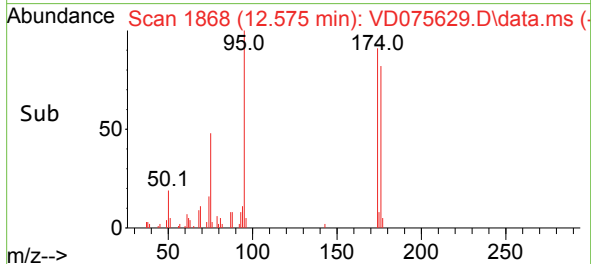
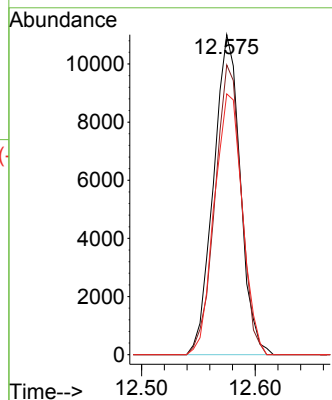
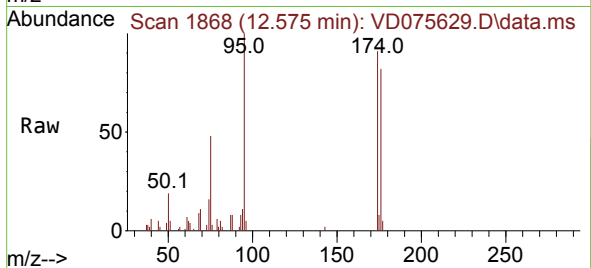




#62
4-Bromofluorobenzene
Concen: 67.761 ug/l
RT: 12.575 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075629.D
Acq: 11 Apr 2023 19:38

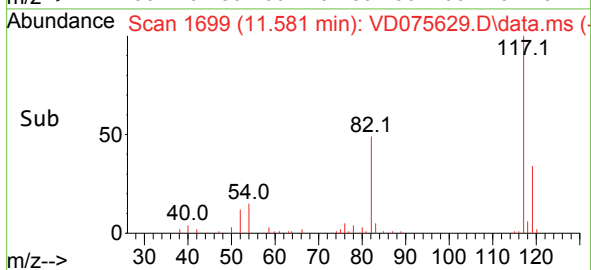
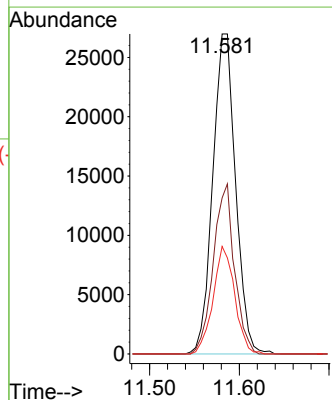
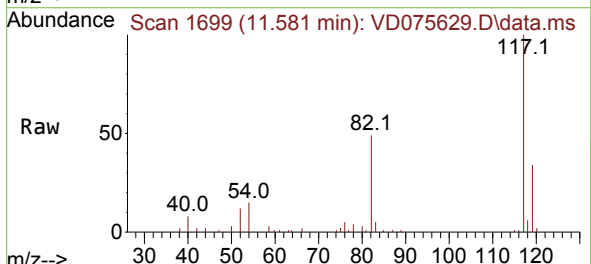
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MSVOA_D
ClientSampleId :
SP-1D

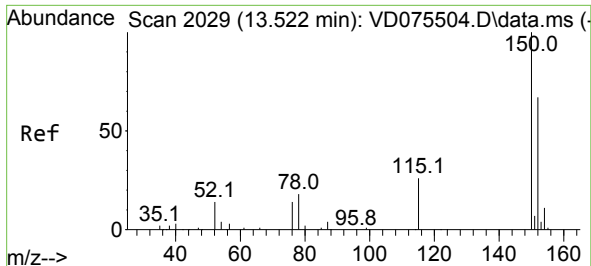
Tgt Ion: 95 Resp: 18033
Ion Ratio Lower Upper
95 100
174 88.7 0.0 164.0
176 85.3 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD075629.D
Acq: 11 Apr 2023 19:38

Tgt Ion: 117 Resp: 47673
Ion Ratio Lower Upper
117 100
82 48.8 44.0 66.0
119 33.6 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: VD075629.D

Acq: 11 Apr 2023 19:38

Instrument :

MSVOA_D

ClientSampleId :

SP-1D

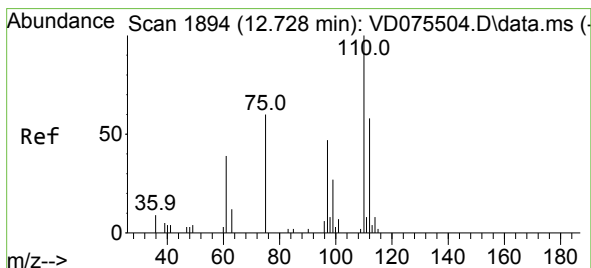
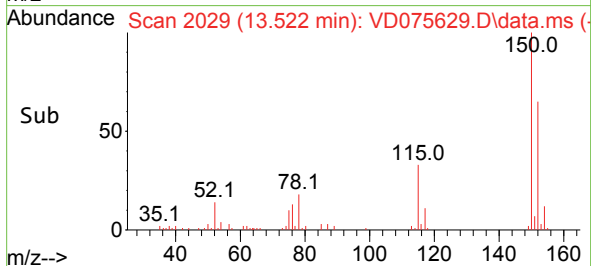
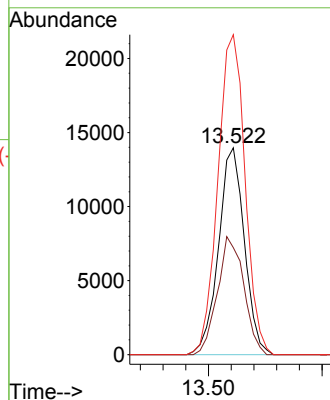
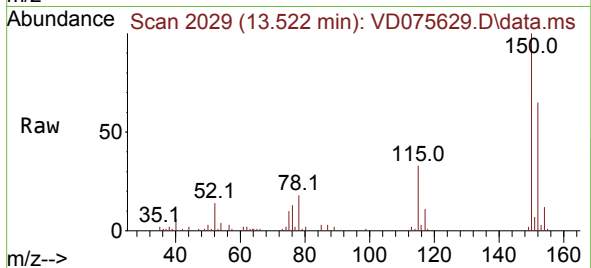
Tgt Ion:152 Resp: 22099

Ion Ratio Lower Upper

152 100

115 58.0 30.1 90.3

150 162.4 0.0 364.8



#76

1,2,3-Trichloropropane

Concen: 51.749 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.153 min

Lab File: VD075629.D

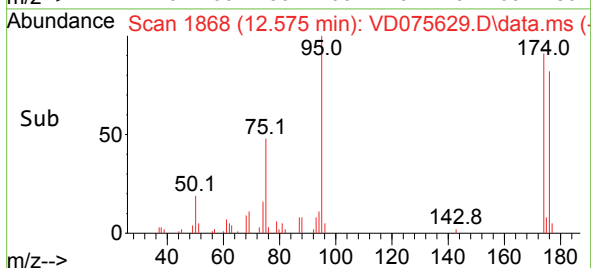
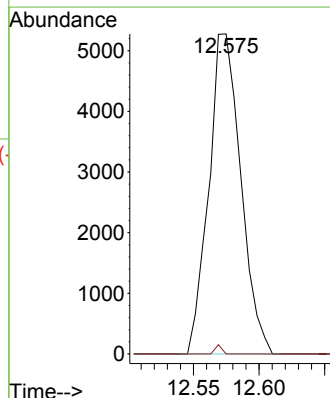
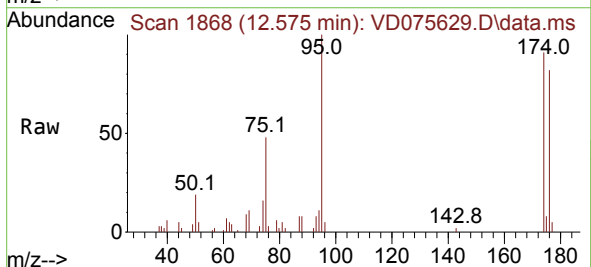
Acq: 11 Apr 2023 19:38

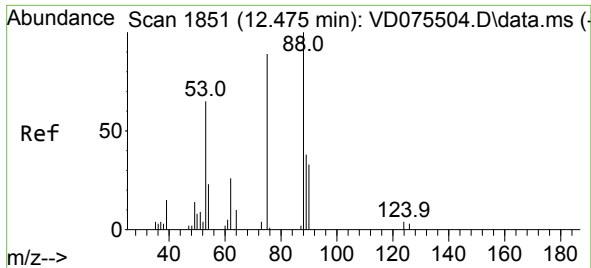
Tgt Ion: 75 Resp: 8950

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.602 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD075629.D
 Acq: 11 Apr 2023 19:38

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1D

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

