

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013327.D
 Acq On : 14 Apr 2023 18:28
 Operator : KP/MD
 Sample : 02324-02
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT-3419

Quant Time: Apr 17 02:15:58 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

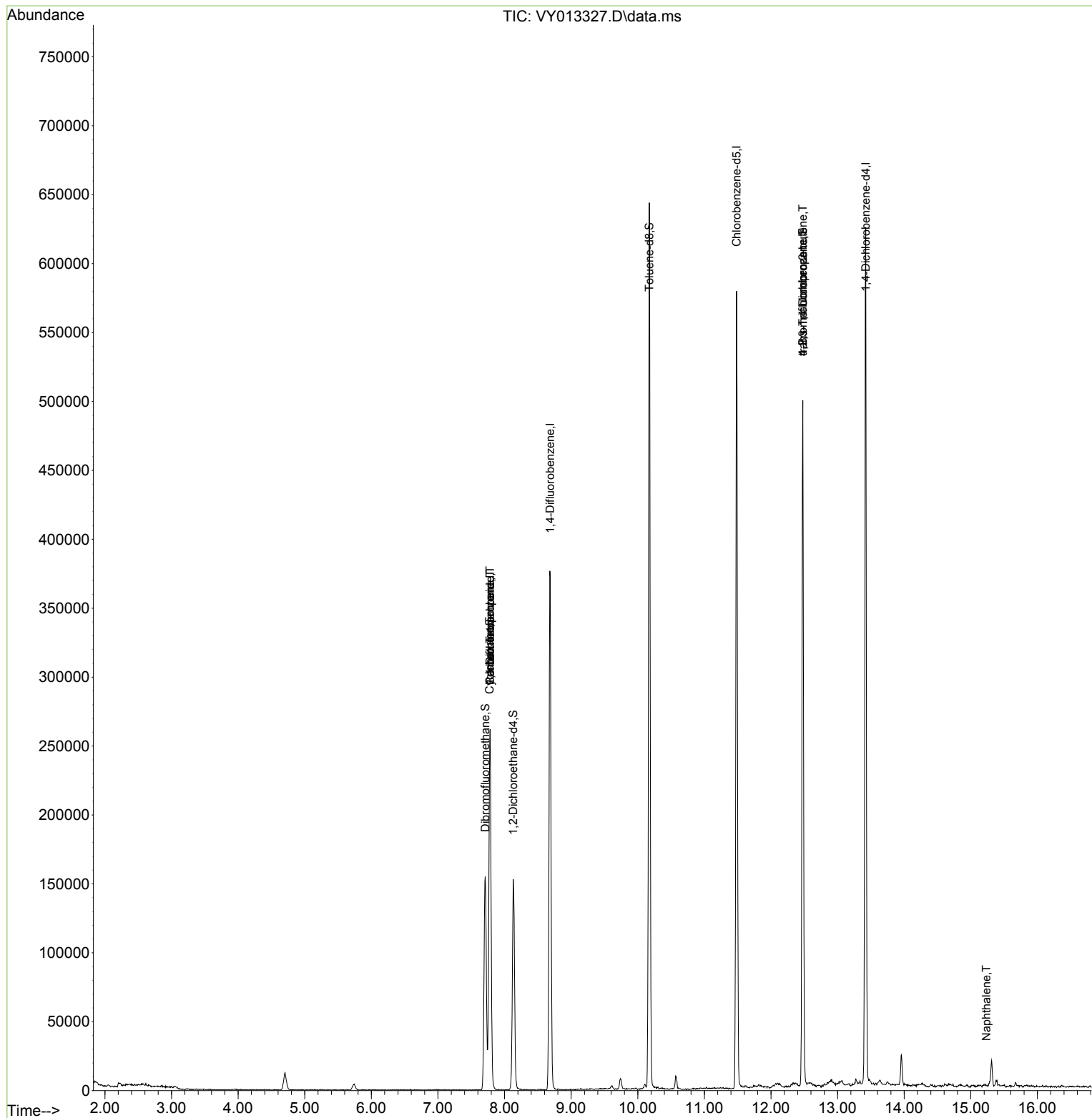
Internal Standards						
1) Pentafluorobenzene	7.783	168	211225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	330462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	317930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	153046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	128648	50.680	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.360%	
35) Dibromofluoromethane	7.710	113	112338	52.509	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.020%	
50) Toluene-d8	10.173	98	415486	52.176	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.360%	
62) 4-Bromofluorobenzene	12.477	95	138075	53.366	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.740%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.924	59	27	Below Cal	#	74
20) Methylene Chloride	4.704	84	9124	Below Cal	#	79
31) Cyclohexane	7.777	56	4218	1.099	ug/l #	2
36) 1,1-Dichloropropene	7.783	75	14144	4.364	ug/l #	51
38) Carbon Tetrachloride	7.783	117	20294	5.663	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	72871	38.211	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	72871	79.307	ug/l #	13
95) Naphthalene	15.233	128	841	3.322	ug/l #	73

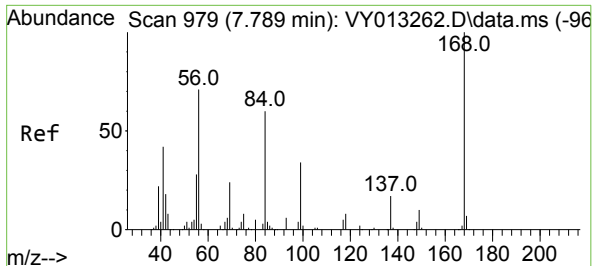
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration

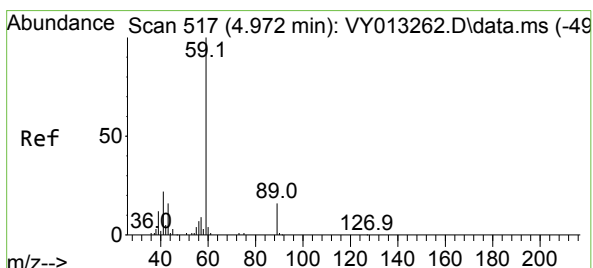
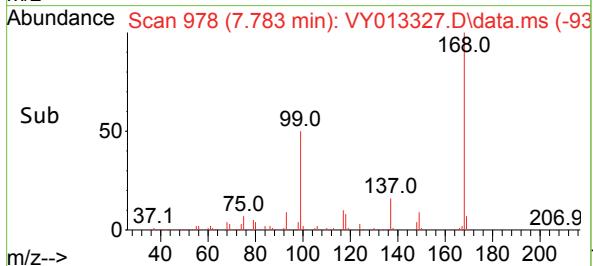
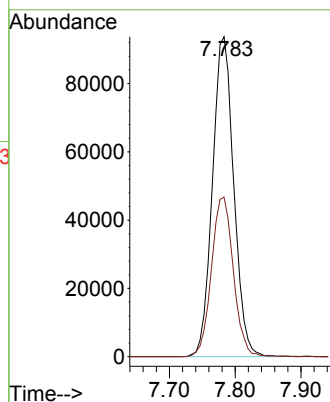
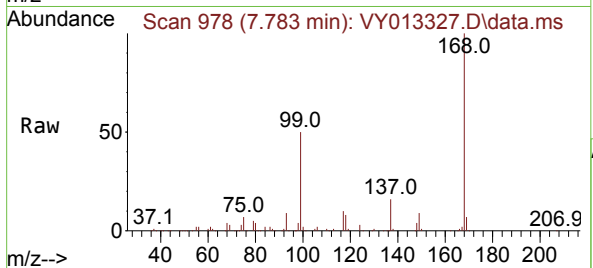




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

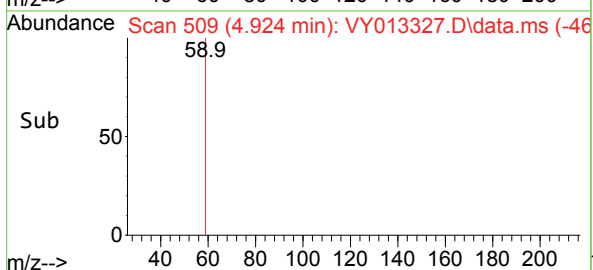
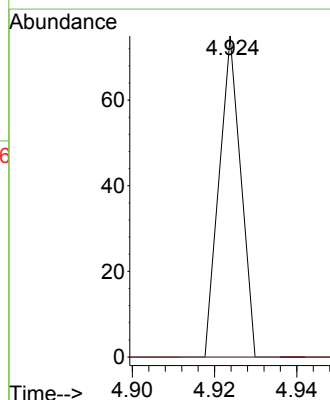
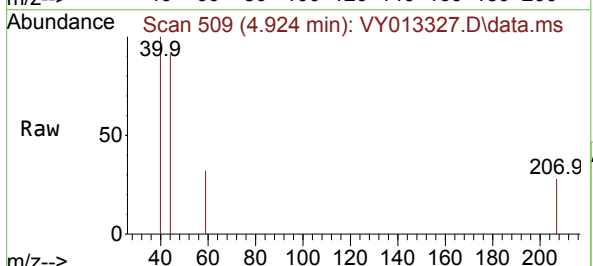
Instrument :
MSVOA_Y
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RT-3419

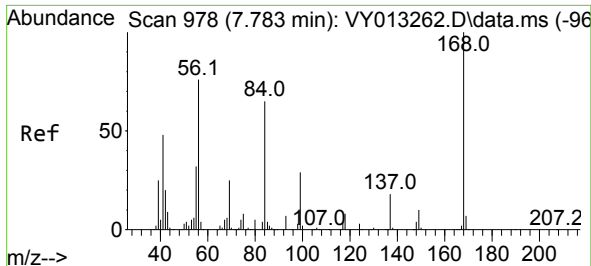
Tgt Ion:168 Resp: 211225
Ion Ratio Lower Upper
168 100
99 49.9 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.048 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

Tgt Ion: 59 Resp: 27
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

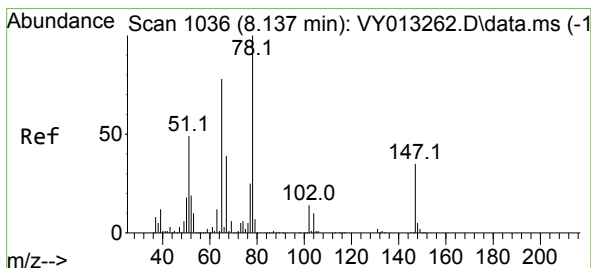
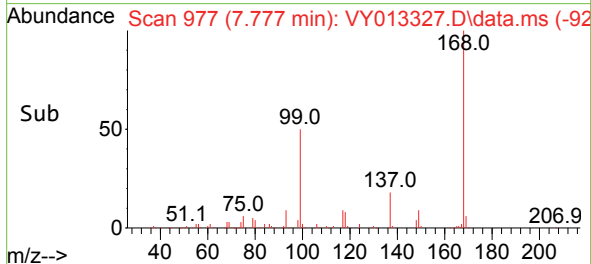
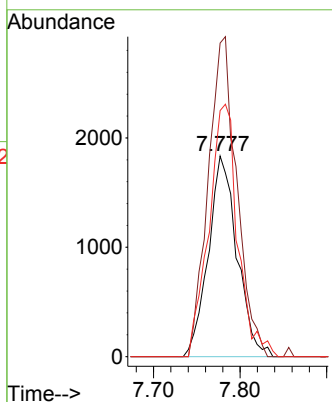
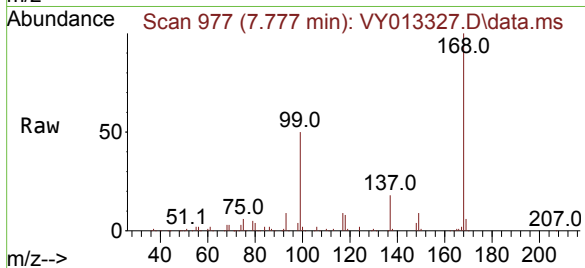




#31
Cyclohexane
Concen: 1.099 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

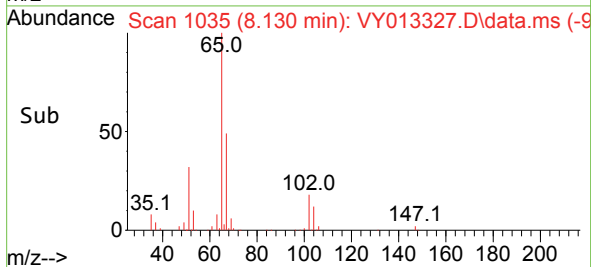
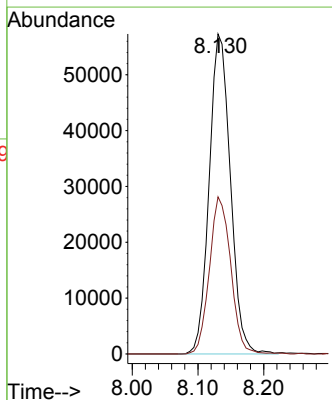
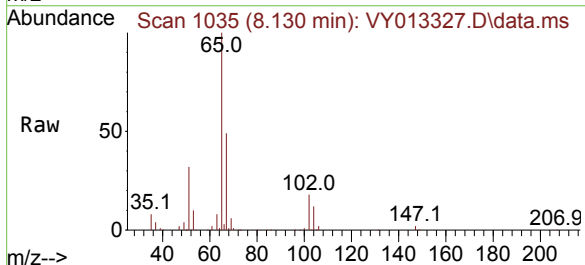
Instrument :
MSVOA_Y
ClientSampleId :
RT-3419

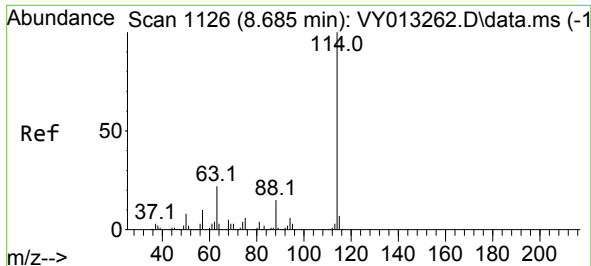
Tgt Ion: 56 Resp: 4218
Ion Ratio Lower Upper
56 100
69 156.4 25.7 38.5#
84 122.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 50.680 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

Tgt Ion: 65 Resp: 128648
Ion Ratio Lower Upper
65 100
67 49.4 0.0 104.0

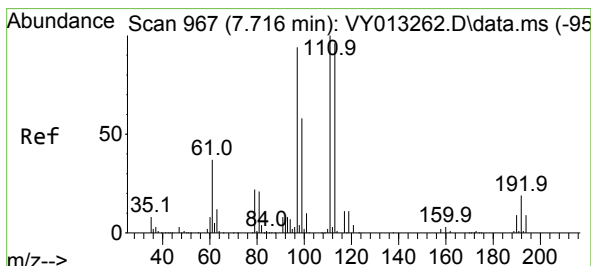
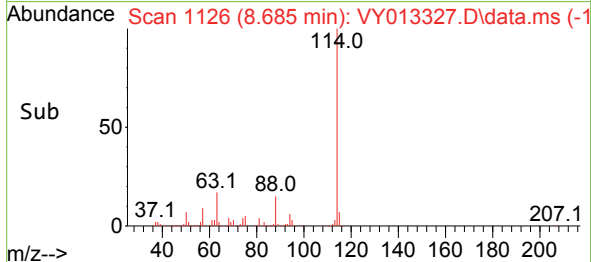
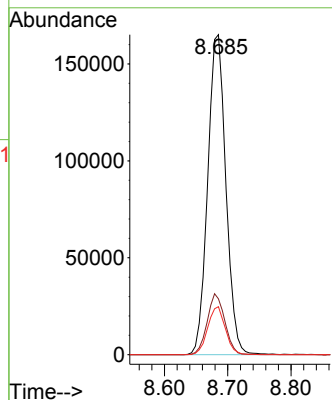
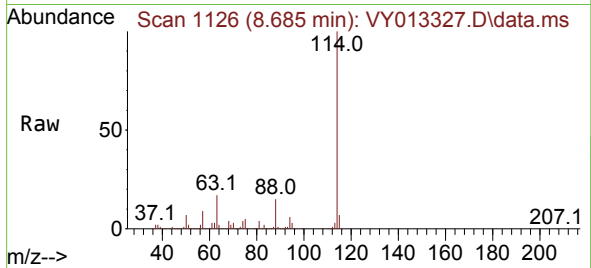




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

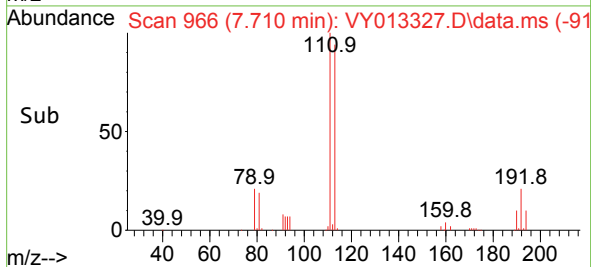
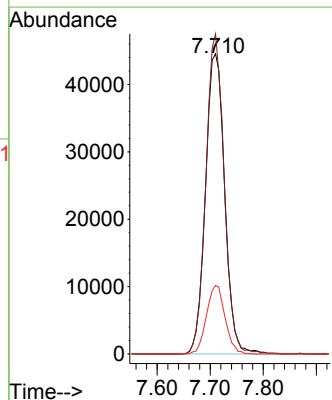
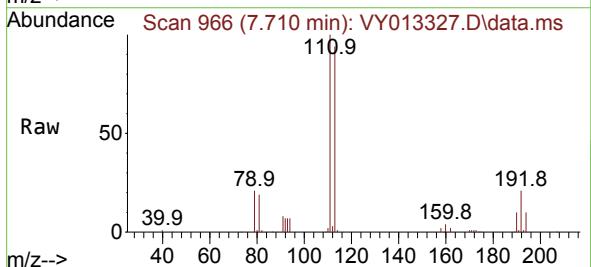
Instrument :
MSVOA_Y
ClientSampleId :
RT-3419

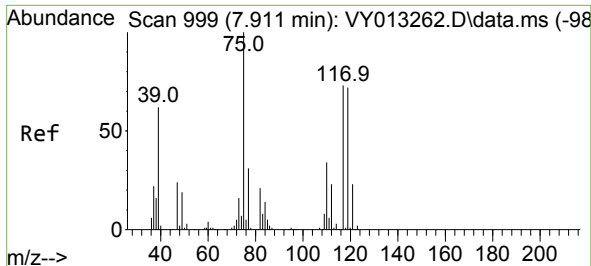
Tgt Ion:114 Resp: 330462
Ion Ratio Lower Upper
114 100
63 17.5 0.0 37.4
88 15.0 0.0 28.6



#35
Dibromofluoromethane
Concen: 52.509 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

Tgt Ion:113 Resp: 112338
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 22.0 16.8 25.2

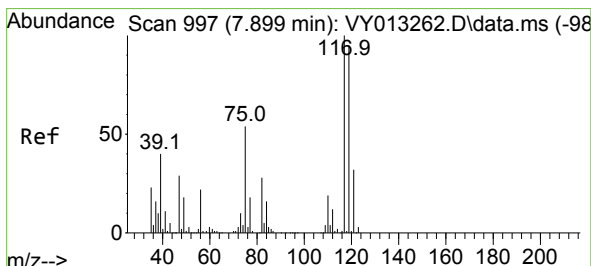
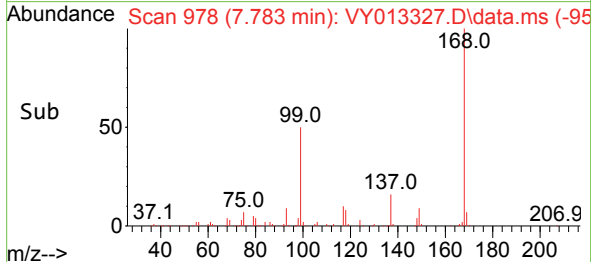
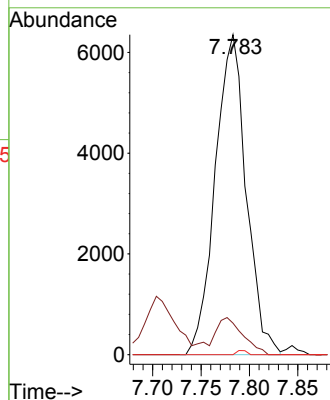
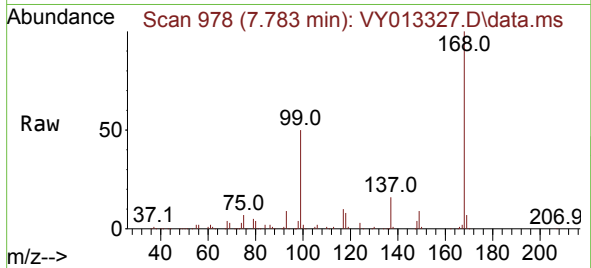




#36
1,1-Dichloropropene
Concen: 4.364 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

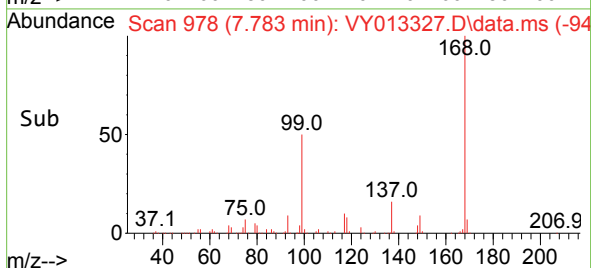
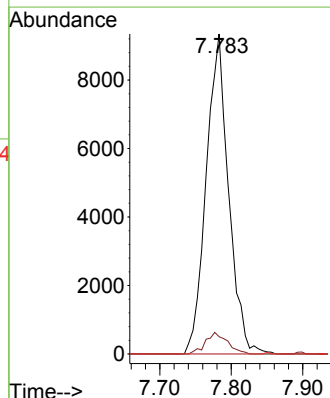
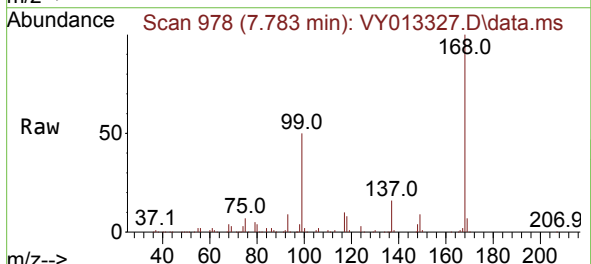
Instrument :
MSVOA_Y
ClientSampleId :
RT-3419

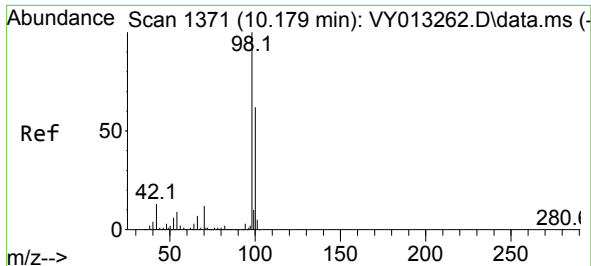
Tgt Ion: 75 Resp: 14144
Ion Ratio Lower Upper
75 100
110 10.9 17.8 53.3#
77 0.4 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.663 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

Tgt Ion:117 Resp: 20294
Ion Ratio Lower Upper
117 100
119 5.4 77.2 115.8#
121 0.0 24.7 37.1#

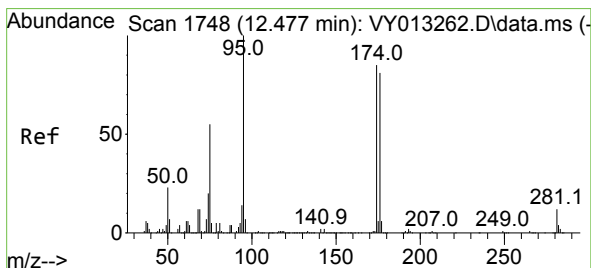
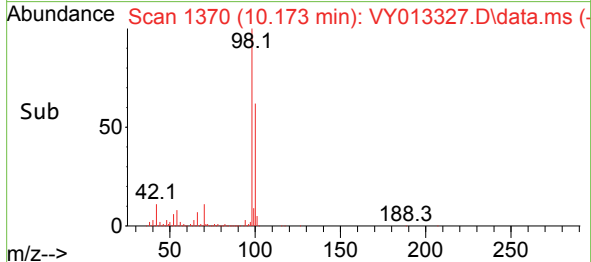
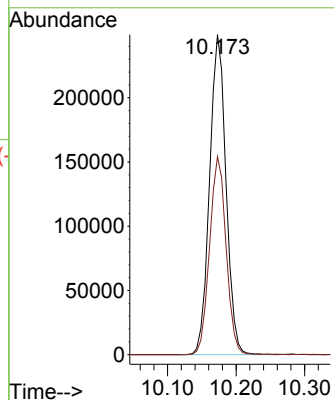
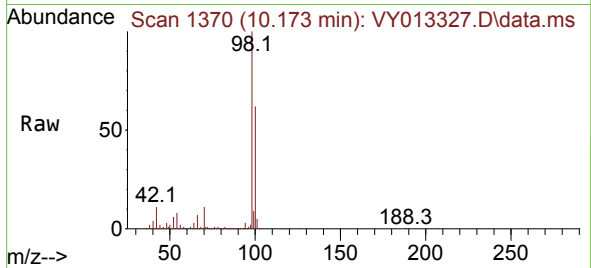




#50
Toluene-d8
Concen: 52.176 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

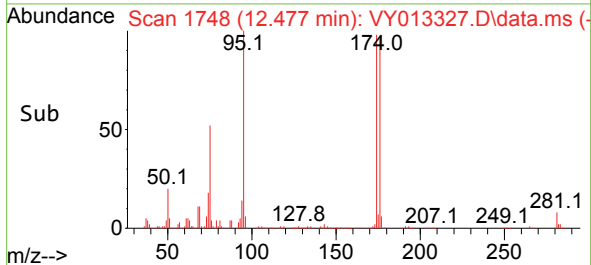
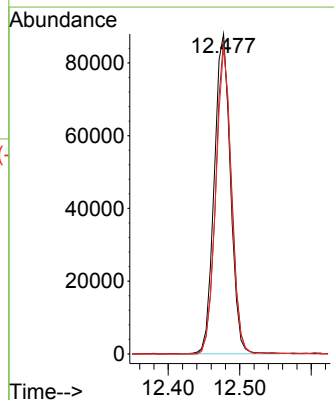
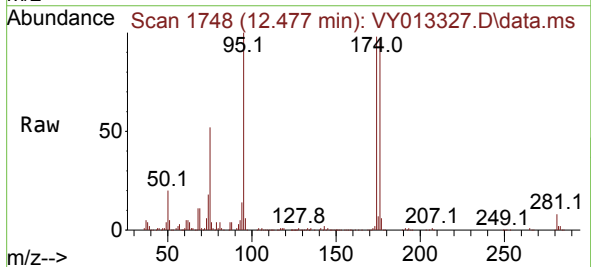
Instrument :
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ClientSampleId :
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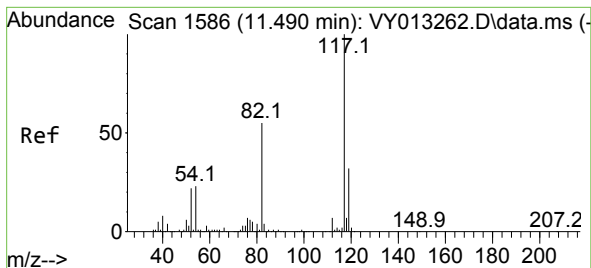
Tgt Ion: 98 Resp: 415486
Ion Ratio Lower Upper
98 100
100 62.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 53.366 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

Tgt Ion: 95 Resp: 138075
Ion Ratio Lower Upper
95 100
174 94.3 0.0 176.6
176 91.6 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.484 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013327.D

Acq: 14 Apr 2023 18:28

Instrument :

MSVOA_Y

ClientSampleId :

RT-3419

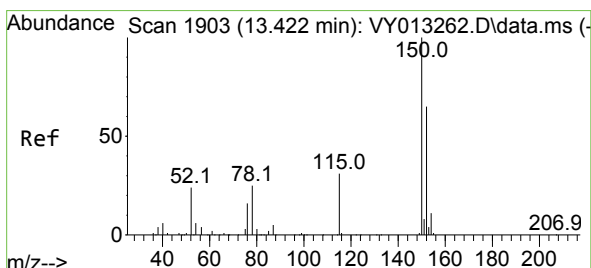
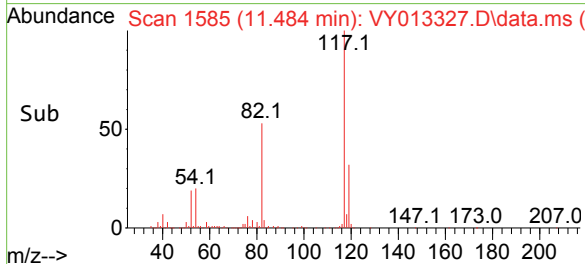
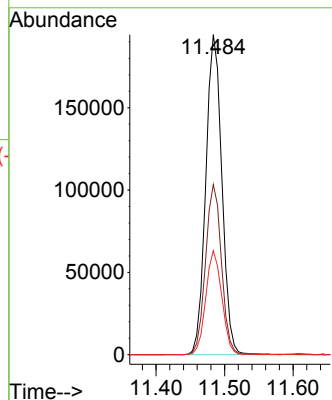
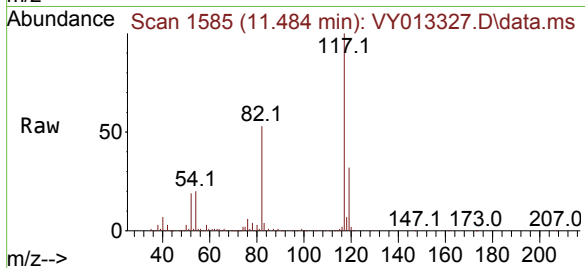
Tgt Ion:117 Resp: 317930

Ion Ratio Lower Upper

117 100

82 53.2 45.4 68.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013327.D

Acq: 14 Apr 2023 18:28

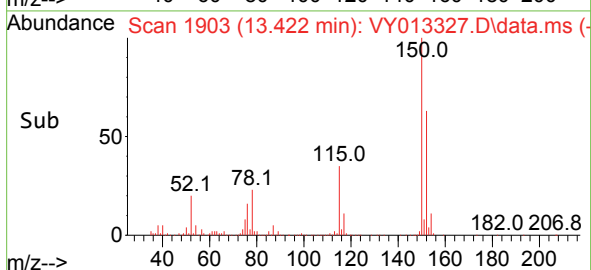
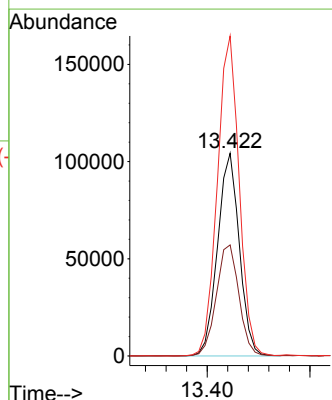
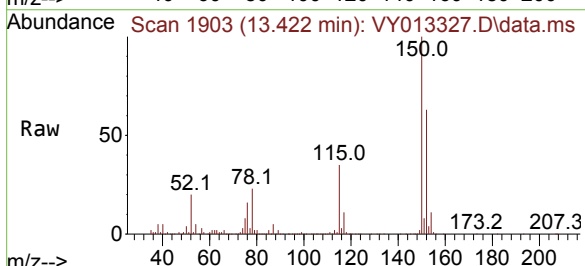
Tgt Ion:152 Resp: 153046

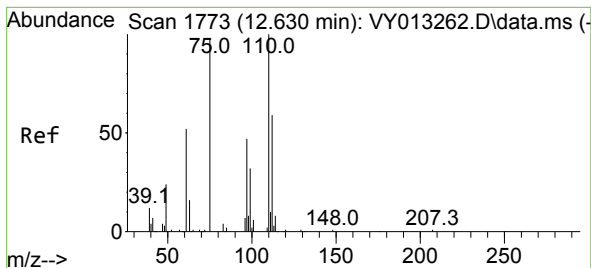
Ion Ratio Lower Upper

152 100

115 56.9 27.1 81.3

150 158.4 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 38.211 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013327.D

Acq: 14 Apr 2023 18:28

Instrument :

MSVOA_Y

ClientSampleId :

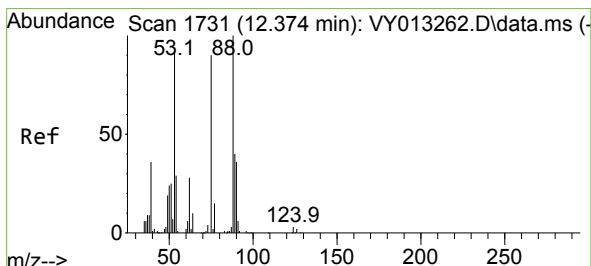
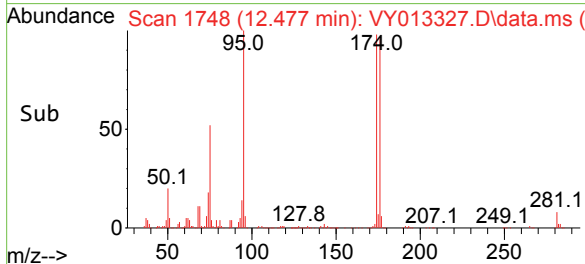
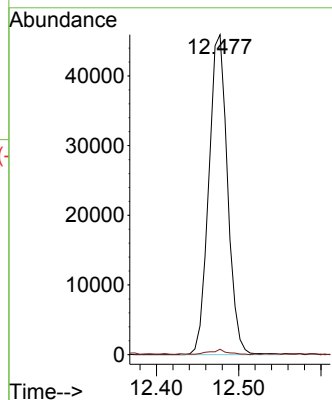
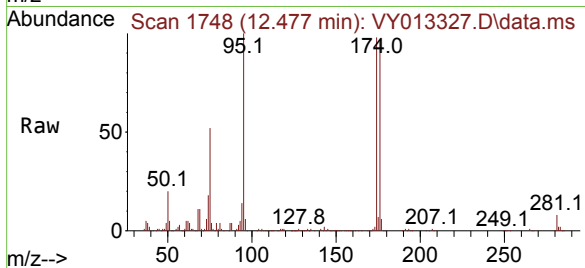
RT-3419

Tgt Ion: 75 Resp: 72871

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 79.307 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.104 min

Lab File: VY013327.D

Acq: 14 Apr 2023 18:28

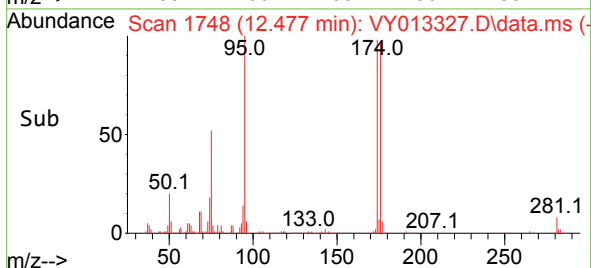
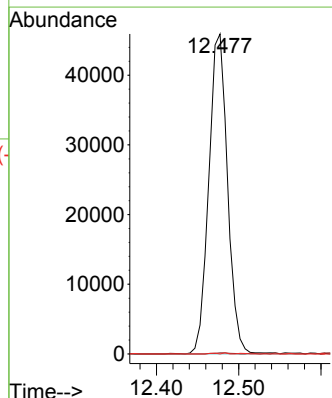
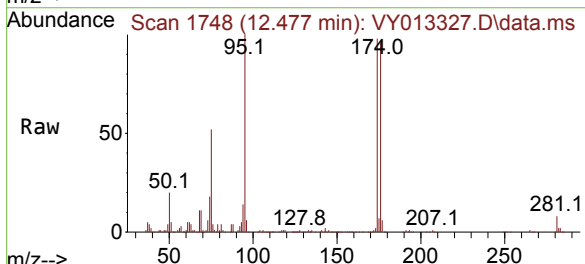
Tgt Ion: 75 Resp: 72871

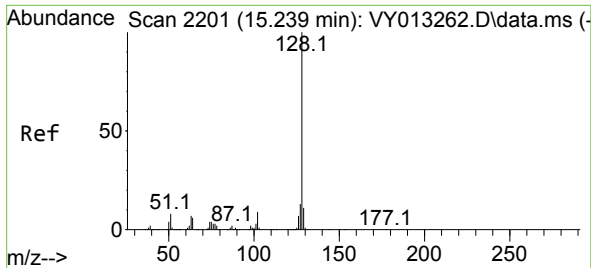
Ion Ratio Lower Upper

75 100

53 0.3 73.4 110.0#

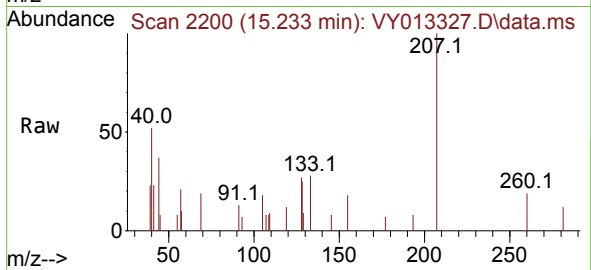
89 0.1 36.6 55.0#





#95
Naphthalene
Concen: 3.322 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013327.D
Acq: 14 Apr 2023 18:28

Instrument :
MSVOA_Y
ClientSampleId :
RT-3419



Tgt Ion:128 Resp: 841
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 3.0 8.6 13.0#

