

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120623\
 Data File : VY016617.D
 Acq On : 06 Dec 2023 15:44
 Operator : SY/MD
 Sample : 05599-09RE
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-05RE

Quant Time: Dec 07 00:34:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

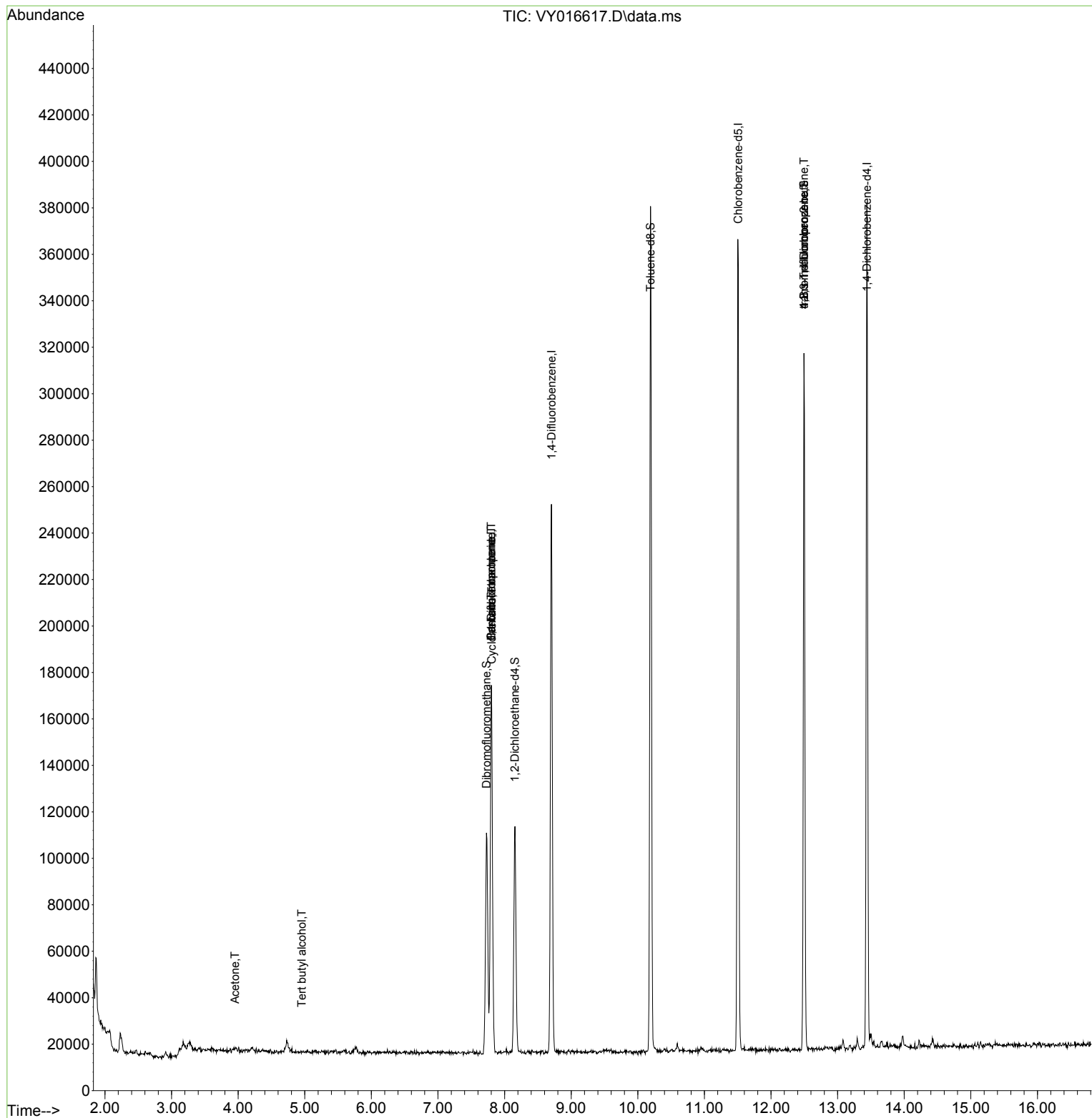
Internal Standards						
1) Pentafluorobenzene	7.801	168	126660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	206876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	203874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	96313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	82230	70.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.480%	
35) Dibromofluoromethane	7.728	113	65792	52.846	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.700%	
50) Toluene-d8	10.191	98	240197	51.006	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	12.495	95	85860	55.442	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.880%	
Target Compounds						
11) Tert butyl alcohol	4.954	59	176	2.207	ug/l #	89
16) Acetone	3.954	43	1919	7.244	ug/l	96
20) Methylene Chloride	4.729	84	3185	Below Cal	#	80
31) Cyclohexane	7.807	56	2334	1.168	ug/l #	24
36) 1,1-Dichloropropene	7.801	75	8243	4.356	ug/l #	51
38) Carbon Tetrachloride	7.801	117	12371	5.647	ug/l #	16
76) 1,2,3-Trichloropropane	12.495	75	47256	54.316	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	47256	122.526	ug/l #	10
95) Naphthalene	15.257	128	651	Below Cal	#	94
96) 1,2,3-Trichlorobenzene	15.446	180	26	Below Cal	#	22

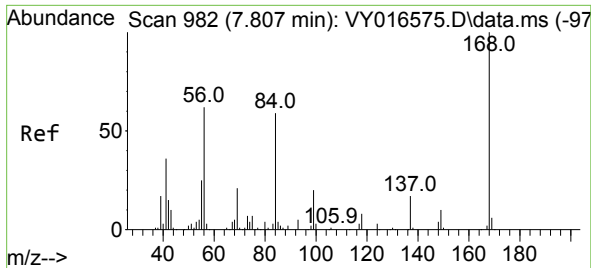
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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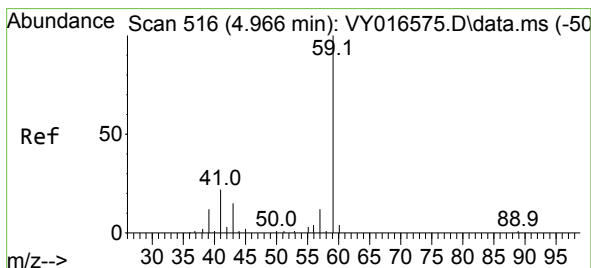
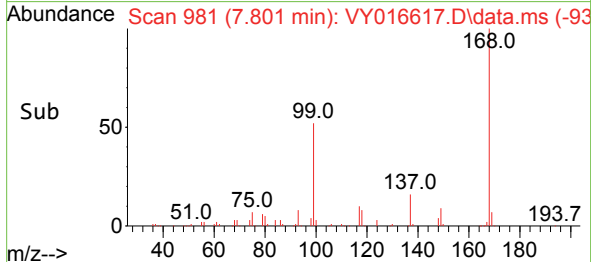
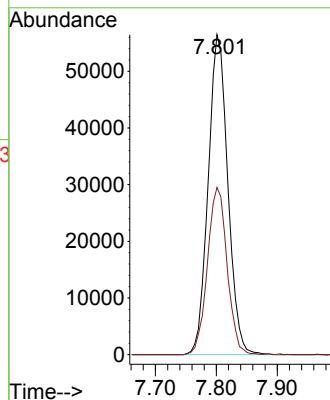
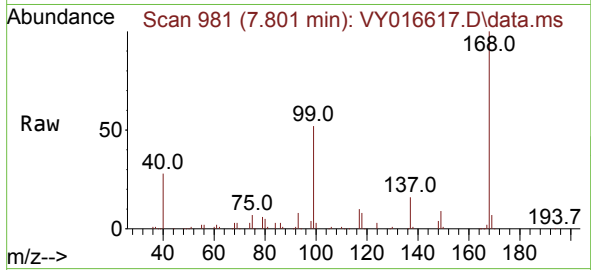




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016617.D
Acq: 06 Dec 2023 15:44

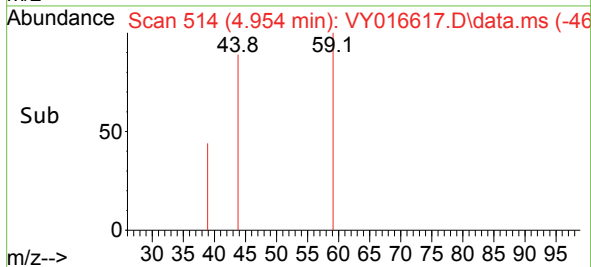
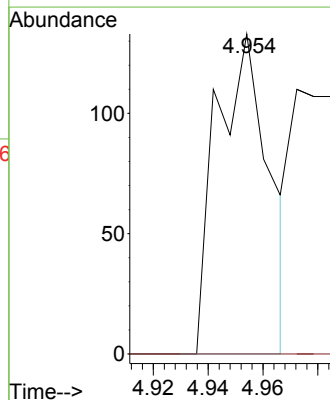
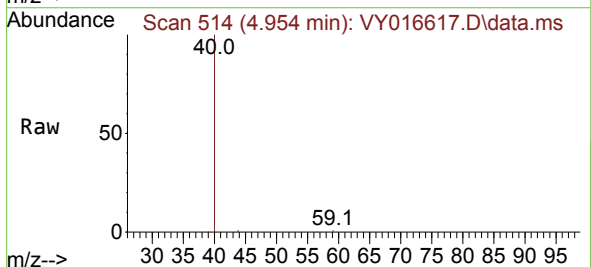
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-05RE

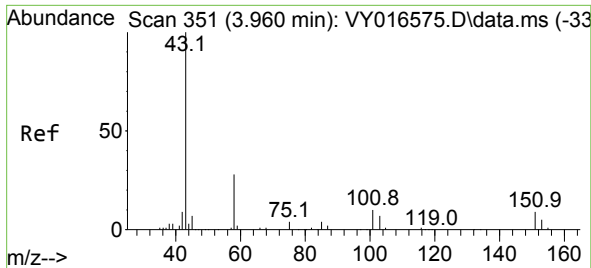
Tgt Ion:168 Resp: 126660
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.207 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY016617.D
Acq: 06 Dec 2023 15:44

Tgt Ion: 59 Resp: 176
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

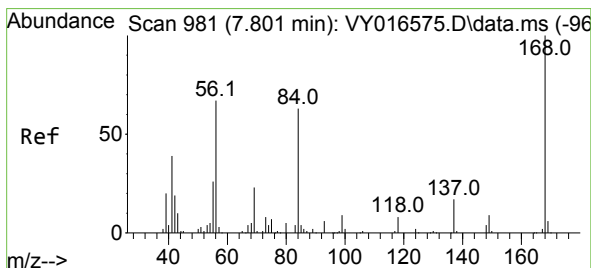
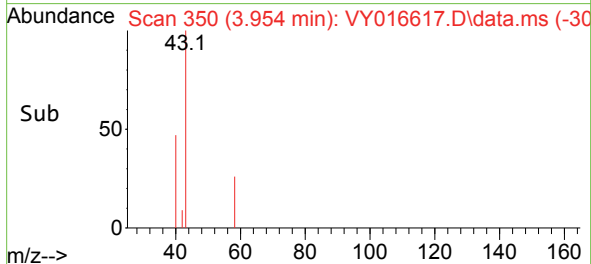
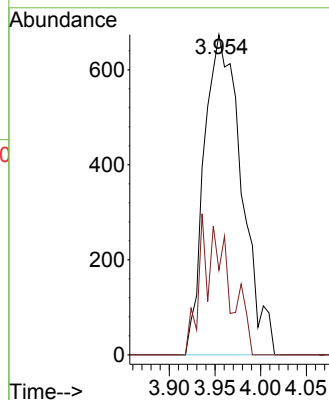
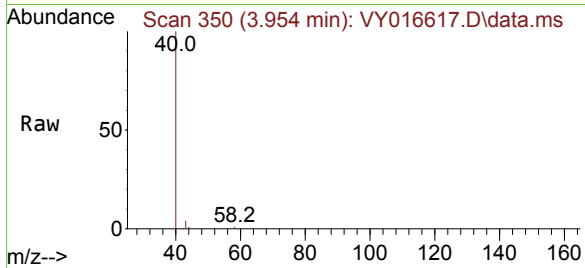




#16
Acetone
Concen: 7.244 ug/l
RT: 3.954 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY016617.D
Acq: 06 Dec 2023 15:44

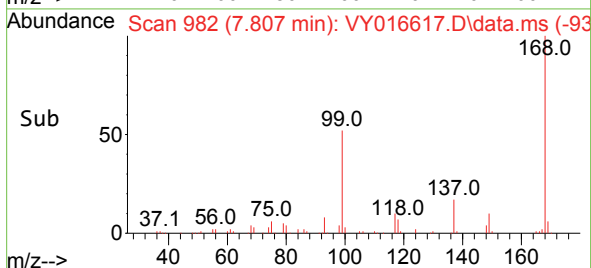
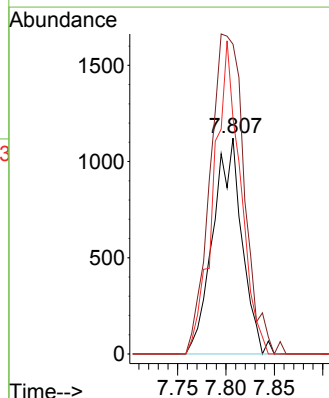
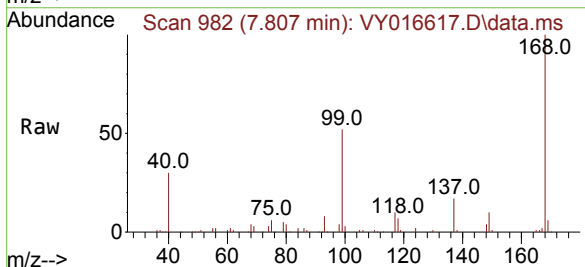
Instrument :
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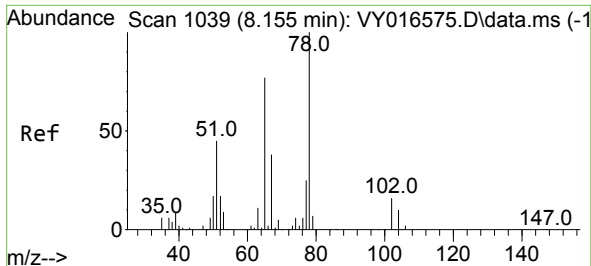
Tgt Ion: 43 Resp: 1919
Ion Ratio Lower Upper
43 100
58 26.4 22.7 34.1



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY016617.D
Acq: 06 Dec 2023 15:44

Tgt Ion: 56 Resp: 2334
Ion Ratio Lower Upper
56 100
69 143.5 27.8 41.6#
84 109.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 70.241 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016617.D

Acq: 06 Dec 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

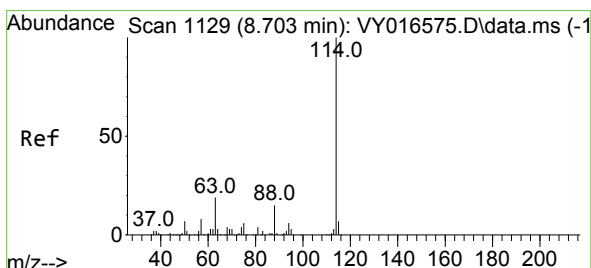
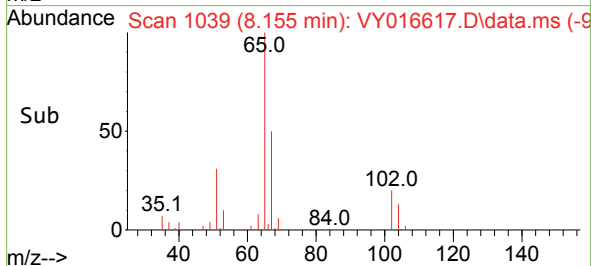
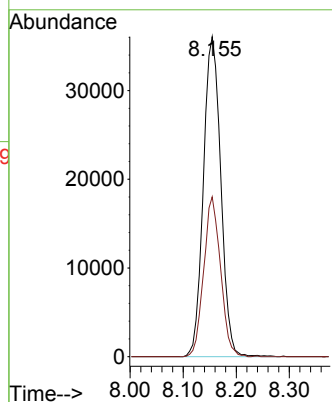
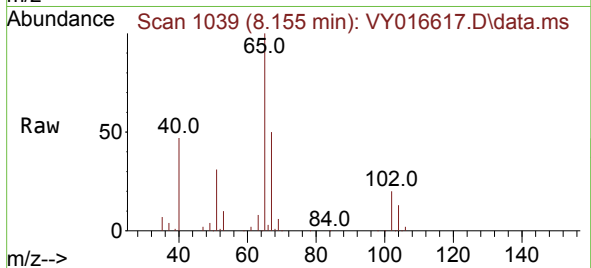
LKWD-BACKFILL-05RE

Tgt Ion: 65 Resp: 82230

Ion Ratio Lower Upper

65 100

67 48.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016617.D

Acq: 06 Dec 2023 15:44

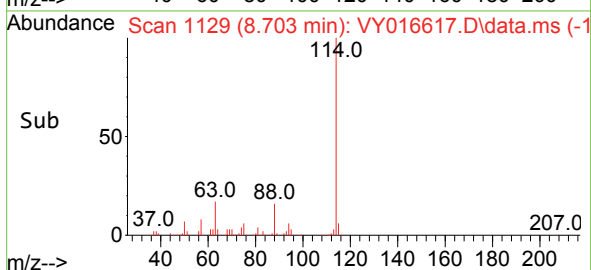
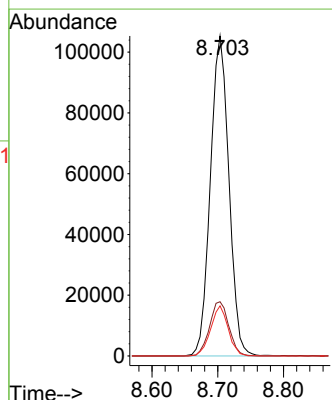
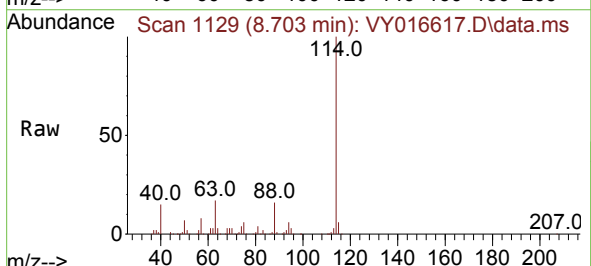
Tgt Ion: 114 Resp: 206876

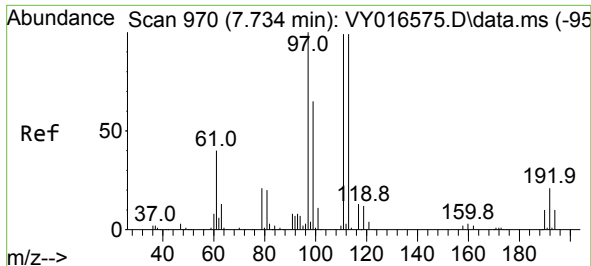
Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 15.7 0.0 30.6

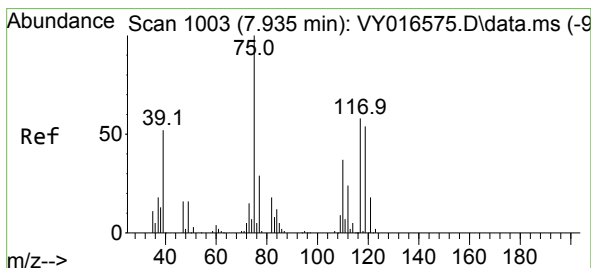
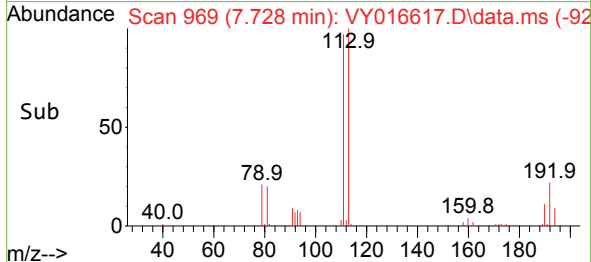
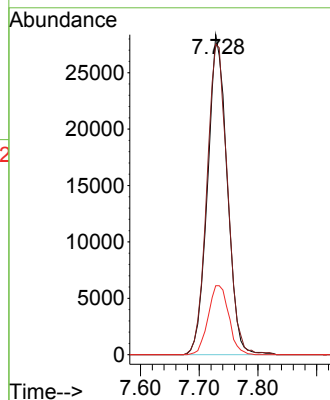
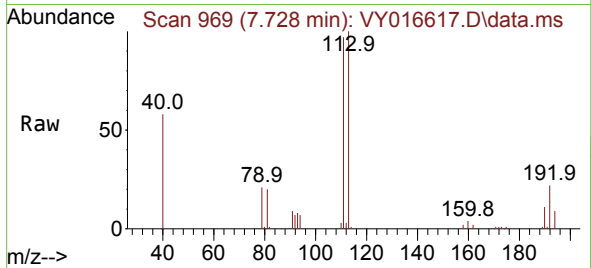




#35
Dibromofluoromethane
Concen: 52.846 ug/l
RT: 7.728 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY016617.D
Acq: 06 Dec 2023 15:44

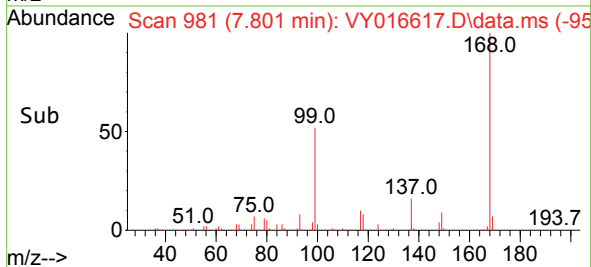
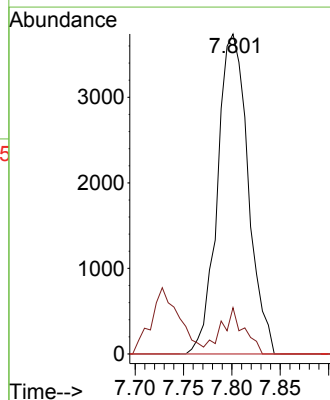
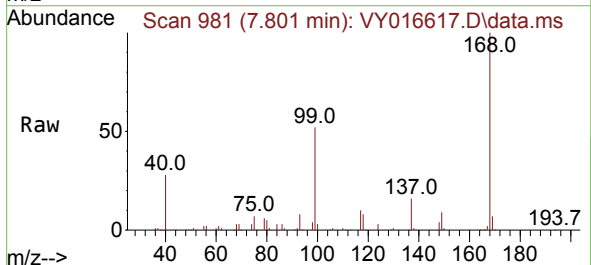
Instrument :
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ClientSampleId :
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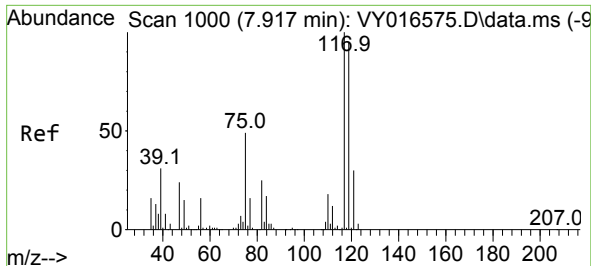
Tgt Ion:113 Resp: 65792
Ion Ratio Lower Upper
113 100
111 101.3 81.3 121.9
192 22.7 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.356 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY016617.D
Acq: 06 Dec 2023 15:44

Tgt Ion: 75 Resp: 8243
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.5#
77 0.0 24.4 36.6#

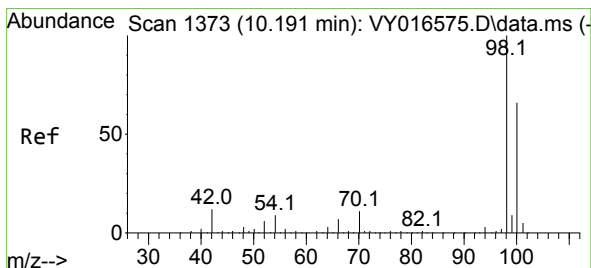
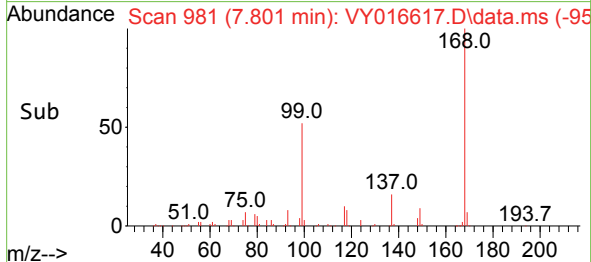
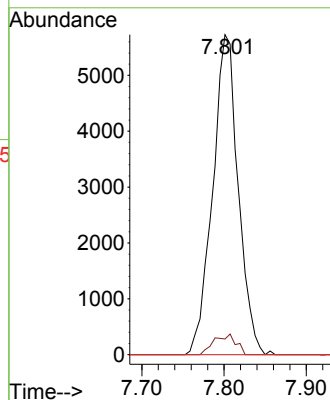
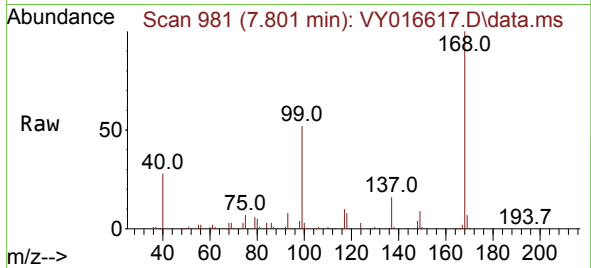




#38
Carbon Tetrachloride
Concen: 5.647 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016617.D
Acq: 06 Dec 2023 15:44

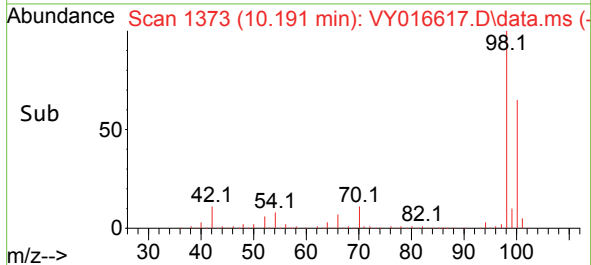
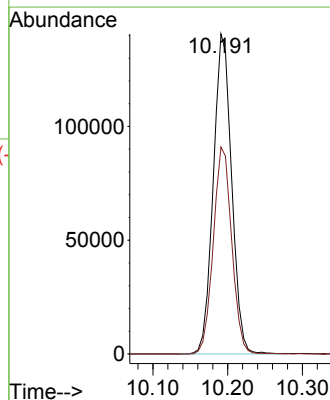
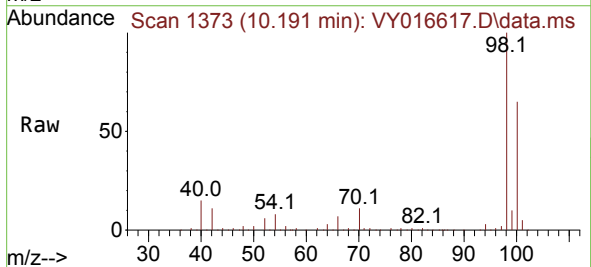
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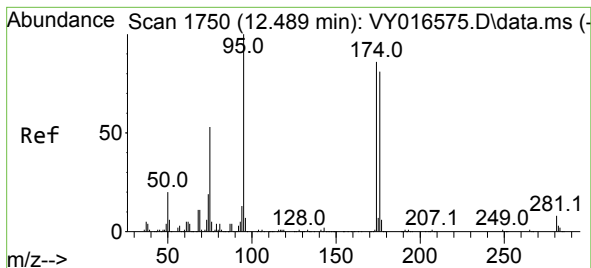
Tgt Ion:117 Resp: 12371
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.006 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016617.D
Acq: 06 Dec 2023 15:44

Tgt Ion: 98 Resp: 240197
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 55.442 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016617.D

Acq: 06 Dec 2023 15:44

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-05RE

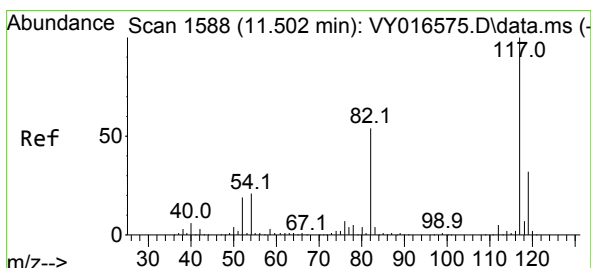
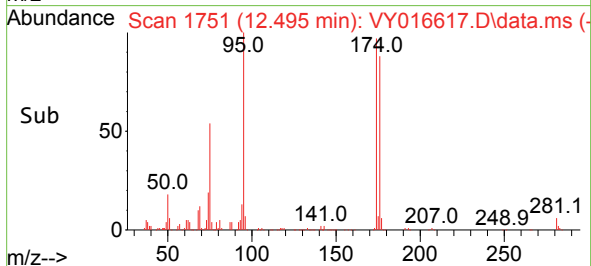
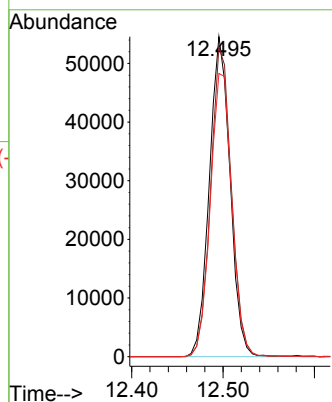
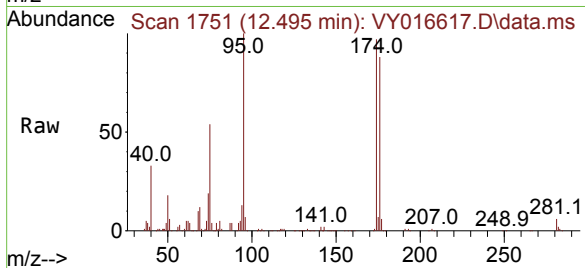
Tgt Ion: 95 Resp: 85860

Ion Ratio Lower Upper

95 100

174 97.1 0.0 178.2

176 92.5 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 1589

Delta R.T. 0.006 min

Lab File: VY016617.D

Acq: 06 Dec 2023 15:44

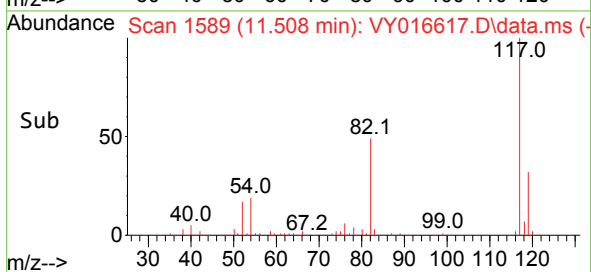
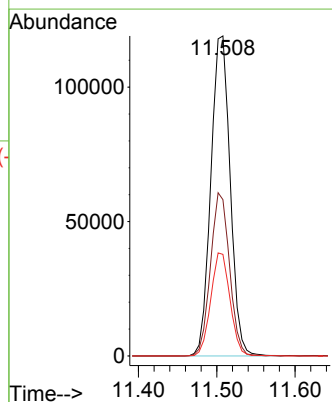
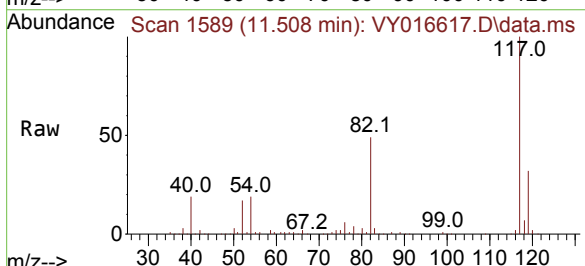
Tgt Ion: 117 Resp: 203874

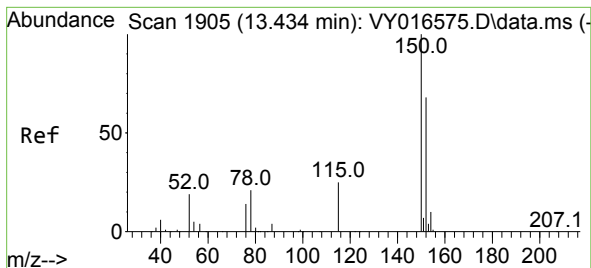
Ion Ratio Lower Upper

117 100

82 48.8 43.4 65.0

119 31.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016617.D

Acq: 06 Dec 2023 15:44

Instrument :

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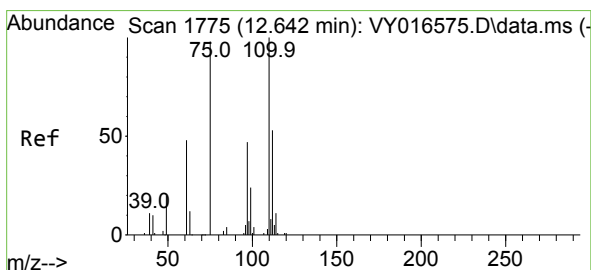
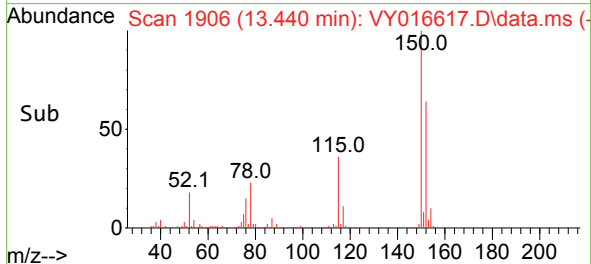
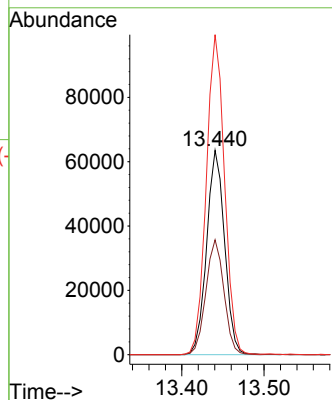
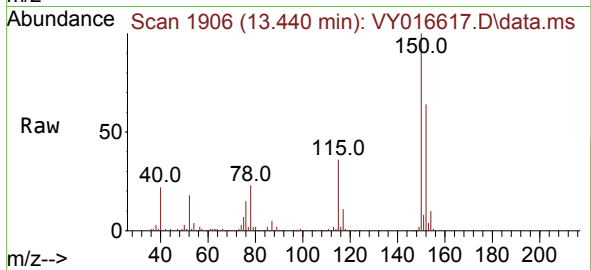
Tgt Ion:152 Resp: 96313

Ion Ratio Lower Upper

152 100

115 56.7 28.8 86.5

150 159.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 54.316 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016617.D

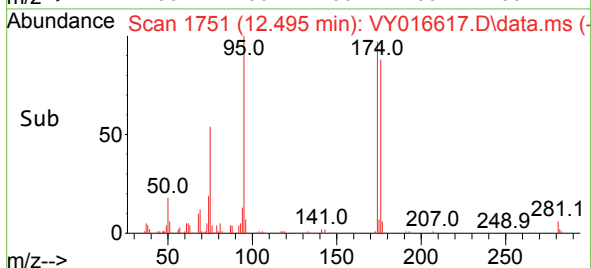
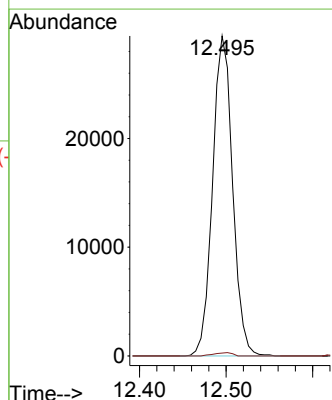
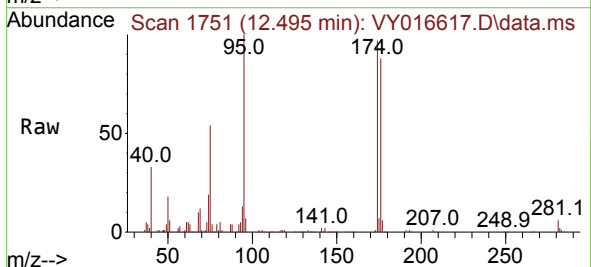
Acq: 06 Dec 2023 15:44

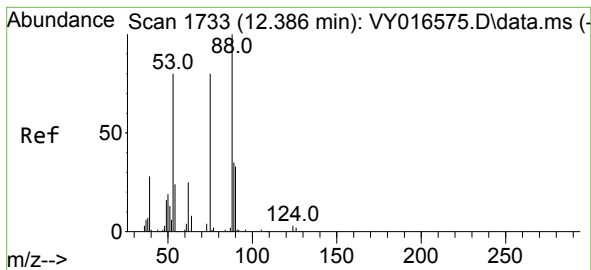
Tgt Ion: 75 Resp: 47256

Ion Ratio Lower Upper

75 100

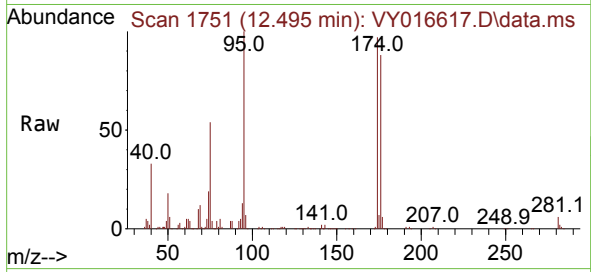
77 0.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.526 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016617.D
 Acq: 06 Dec 2023 15:44

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-05RE



Tgt Ion: 75 Resp: 47256
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

