

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016603.D
 Acq On : 05 Dec 2023 17:53
 Operator : SY/MD
 Sample : 05599-13
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-07

Quant Time: Dec 06 02:27:49 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)

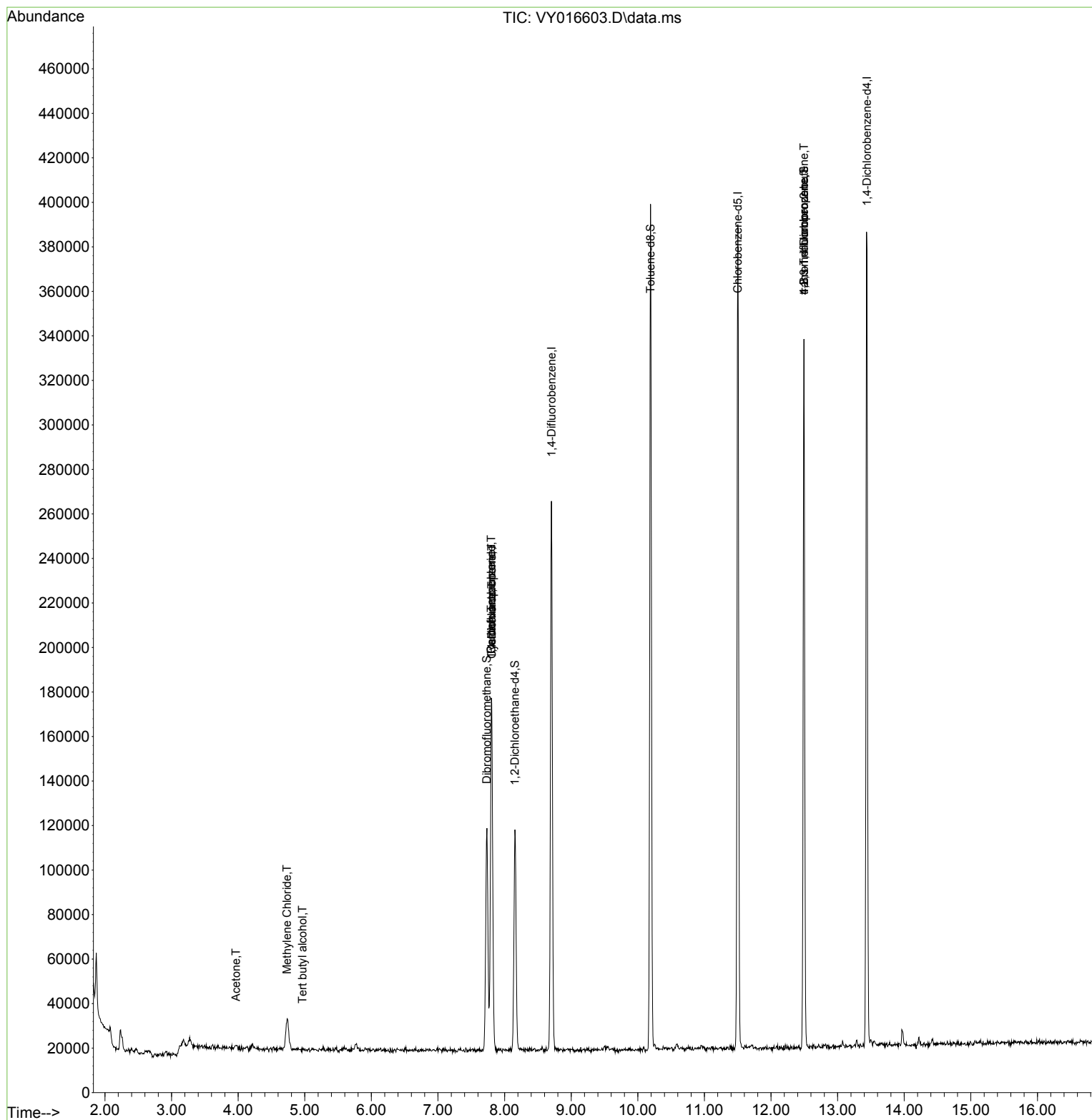
Internal Standards						
1) Pentafluorobenzene	7.801	168	131061	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	213624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	208288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	100344	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	84069	69.401	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	138.800%
35) Dibromofluoromethane	7.734	113	68897	53.592	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.180%
50) Toluene-d8	10.191	98	251678	51.755	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.520%
62) 4-Bromofluorobenzene	12.495	95	89218	55.791	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	202	2.447	ug/l #	89
16) Acetone	3.966	43	2059	7.511	ug/l #	74
20) Methylene Chloride	4.735	84	11106	6.242	ug/l #	86
31) Cyclohexane	7.807	56	2462	1.191	ug/l #	19
36) 1,1-Dichloropropene	7.807	75	8742	4.473	ug/l #	52
38) Carbon Tetrachloride	7.801	117	12592	5.566	ug/l #	15
76) 1,2,3-Trichloropropane	12.495	75	47879	52.821	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	47879	119.154	ug/l #	11
95) Naphthalene	15.257	128	798	Below Cal	#	79

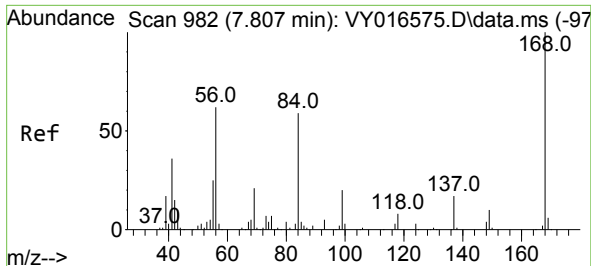
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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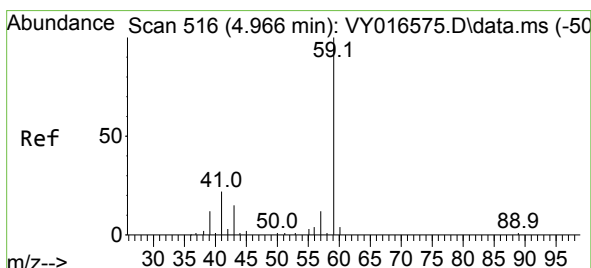
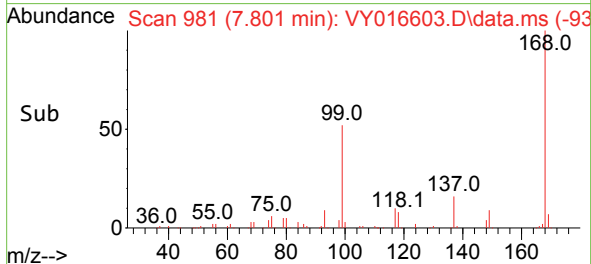
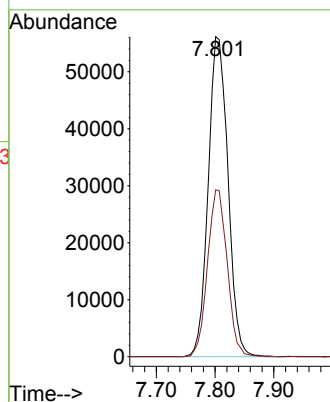
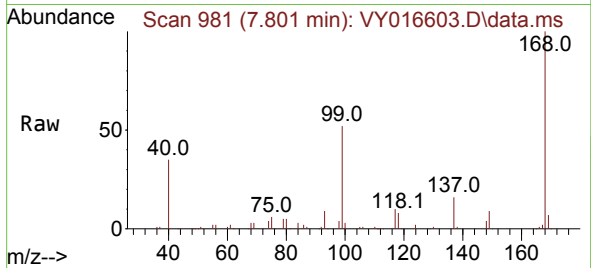




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

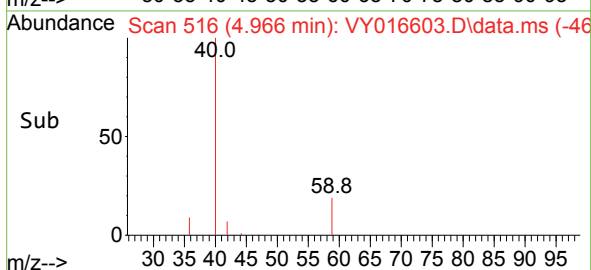
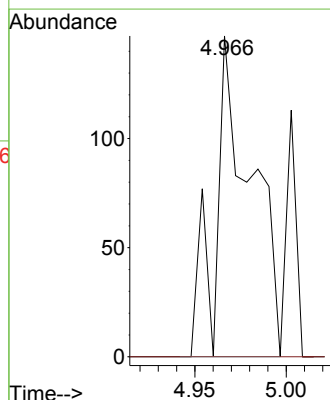
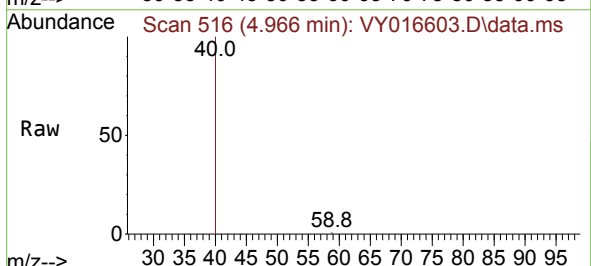
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-07

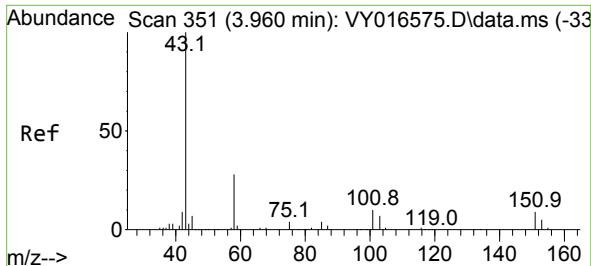
Tgt Ion:168 Resp: 131061
Ion Ratio Lower Upper
168 100
99 52.2 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.447 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.000 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

Tgt Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

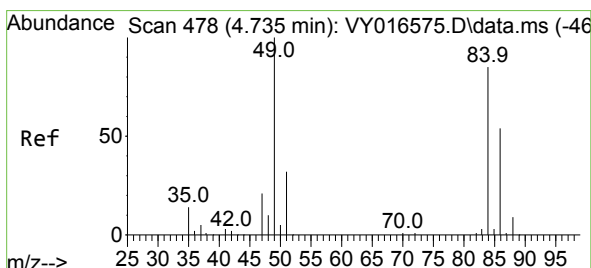
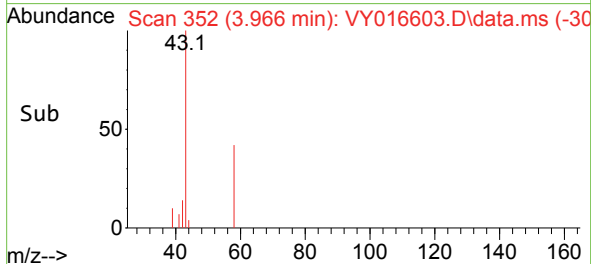
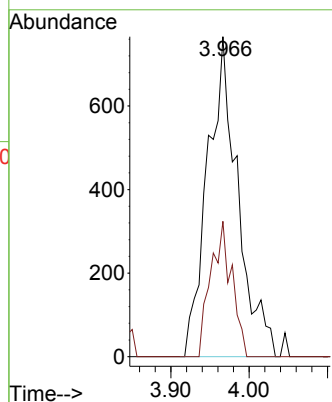
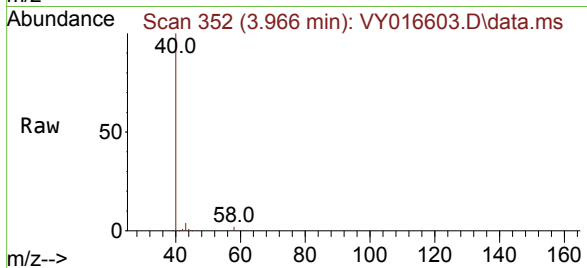




#16
Acetone
Concen: 7.511 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

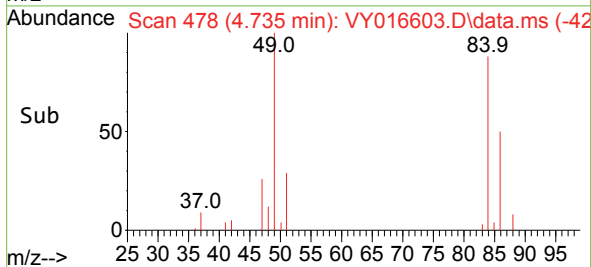
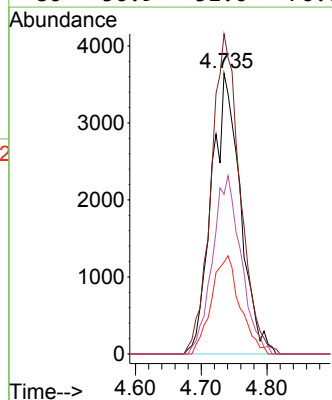
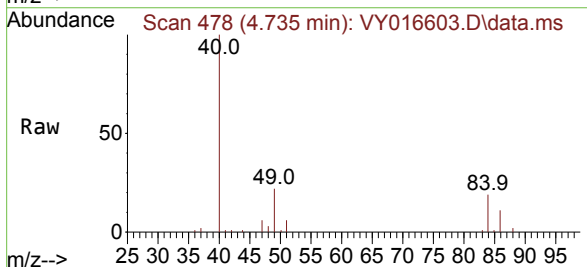
Instrument :
MSVOA_Y
ClientSampleId :
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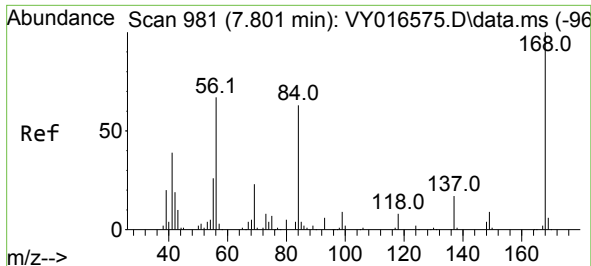
Tgt Ion: 43 Resp: 2059
Ion Ratio Lower Upper
43 100
58 42.3 22.7 34.1#



#20
Methylene Chloride
Concen: 6.242 ug/l
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

Tgt Ion: 84 Resp: 11106
Ion Ratio Lower Upper
84 100
49 114.0 106.9 160.3
51 32.6 33.2 49.8#
86 56.9 51.0 76.6

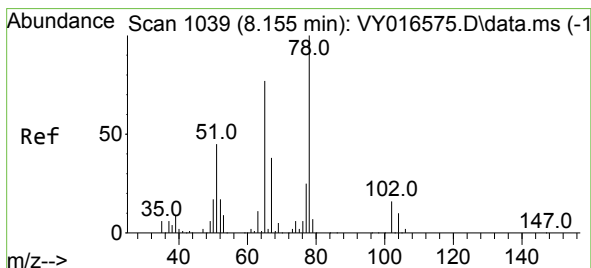
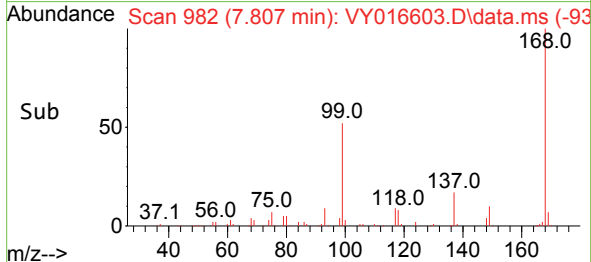
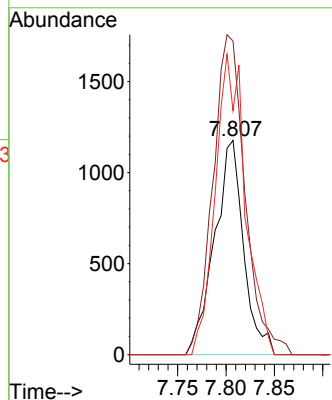
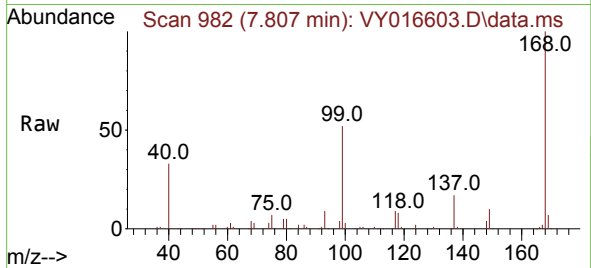




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

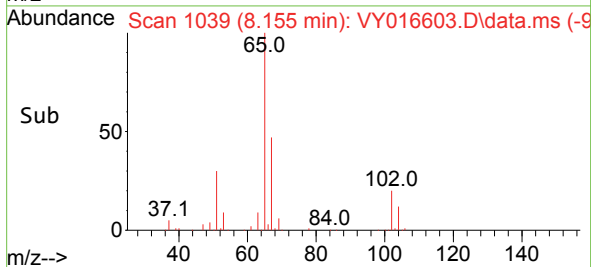
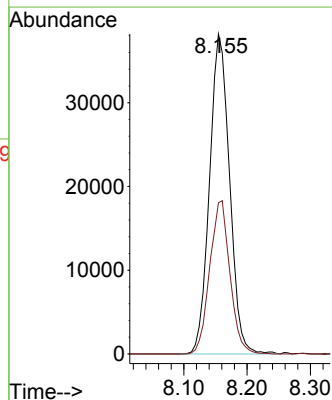
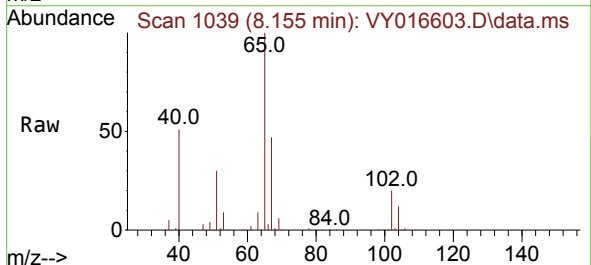
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-07

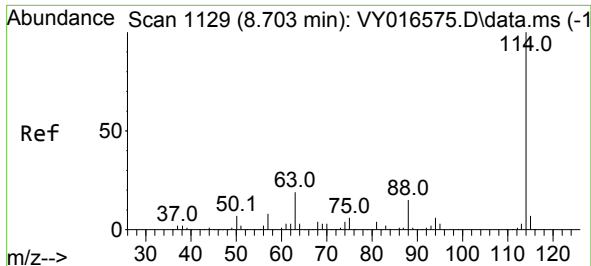
Tgt Ion: 56 Resp: 2462
Ion Ratio Lower Upper
56 100
69 146.4 27.8 41.6#
84 113.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 69.401 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

Tgt Ion: 65 Resp: 84069
Ion Ratio Lower Upper
65 100
67 48.3 0.0 101.8

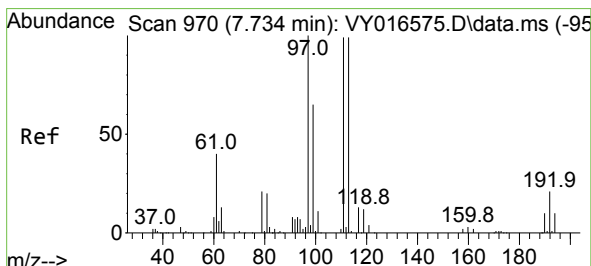
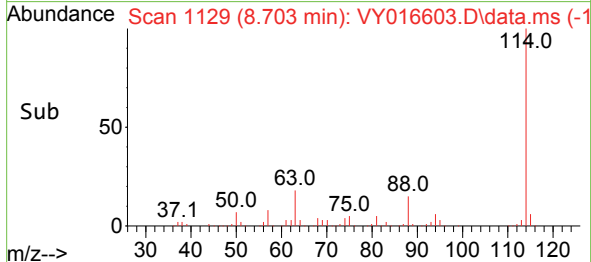
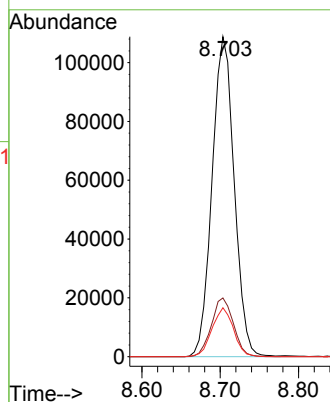
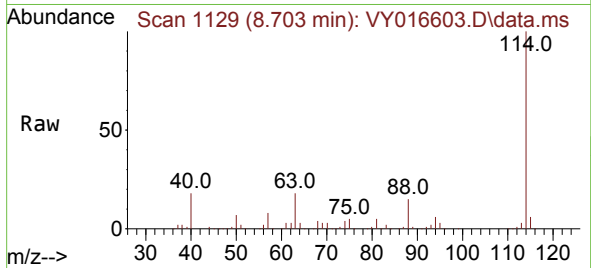




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

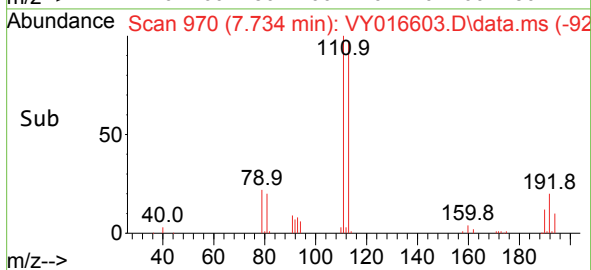
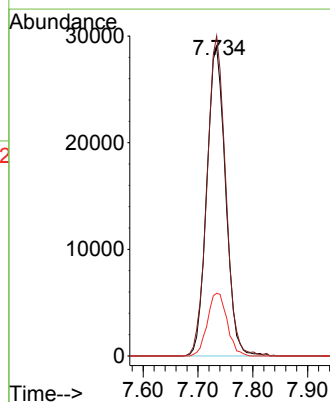
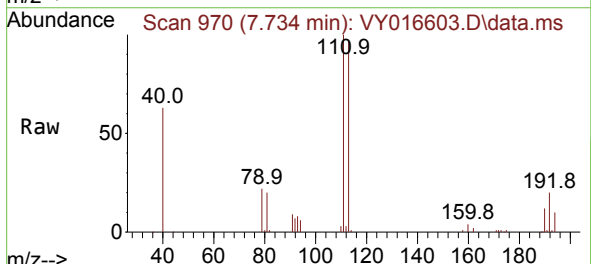
Instrument :
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ClientSampleId :
LKWD-BACKFILL-07

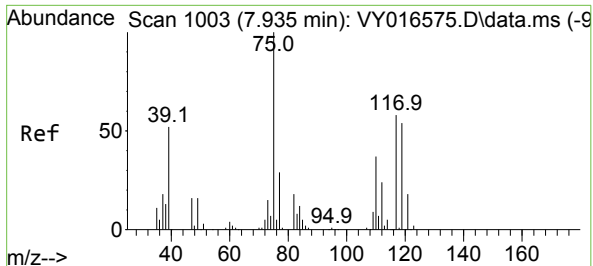
Tgt Ion:114 Resp: 213624
Ion Ratio Lower Upper
114 100
63 18.4 0.0 42.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.592 ug/l
RT: 7.734 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

Tgt Ion:113 Resp: 68897
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 21.3 16.9 25.3

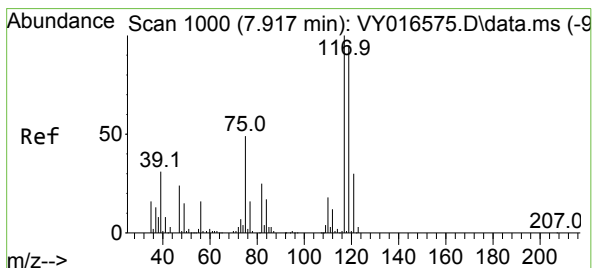
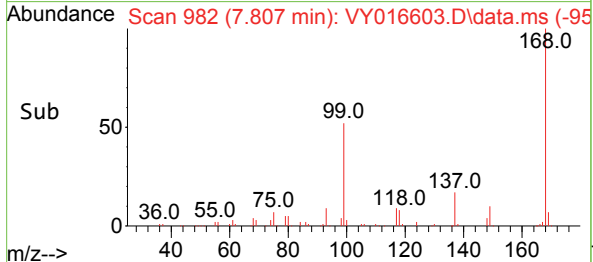
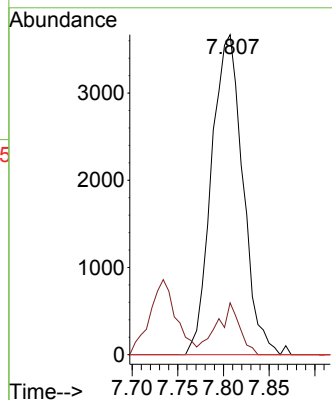
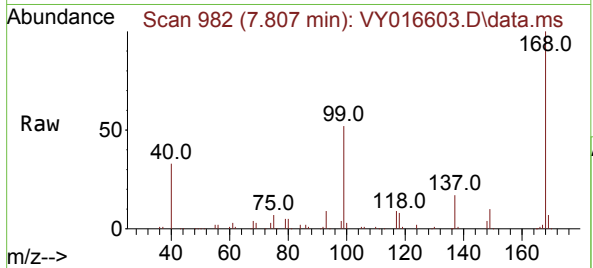




#36
 1,1-Dichloropropene
 Concen: 4.473 ug/l
 RT: 7.807 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY016603.D
 Acq: 05 Dec 2023 17:53

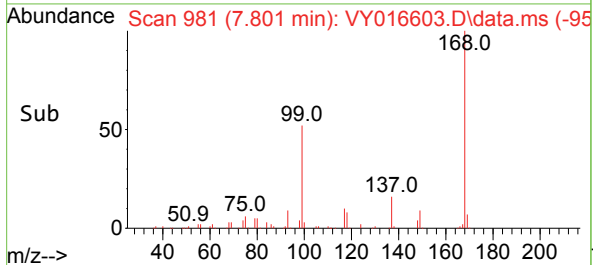
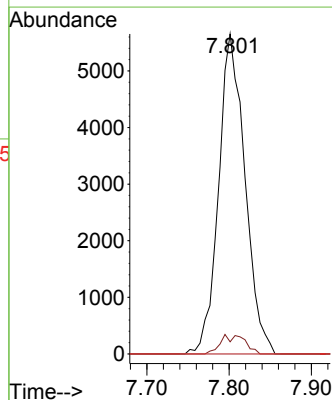
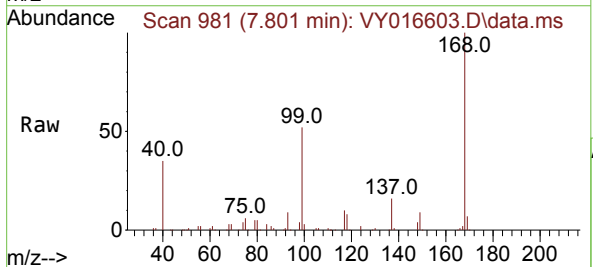
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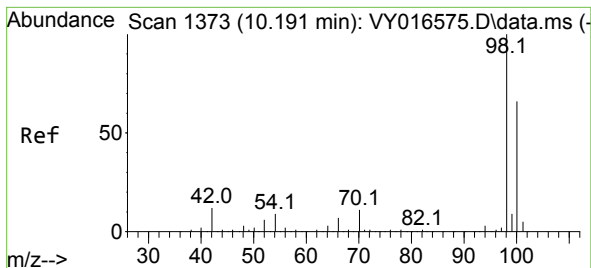
Tgt Ion: 75 Resp: 8742
 Ion Ratio Lower Upper
 75 100
 110 11.9 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.566 ug/l
 RT: 7.801 min Scan# 981
 Delta R.T. -0.116 min
 Lab File: VY016603.D
 Acq: 05 Dec 2023 17:53

Tgt Ion: 117 Resp: 12592
 Ion Ratio Lower Upper
 117 100
 119 3.8 76.4 114.6#
 121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 51.755 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016603.D

Acq: 05 Dec 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

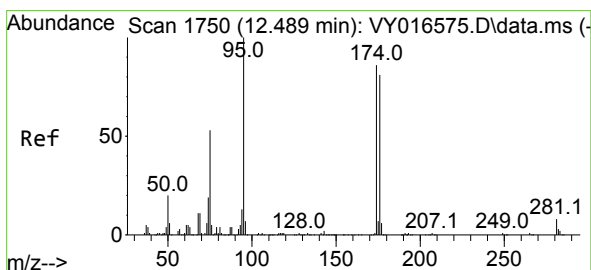
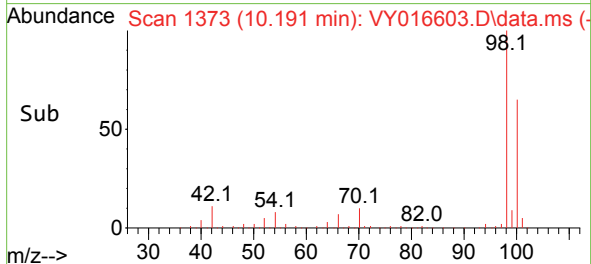
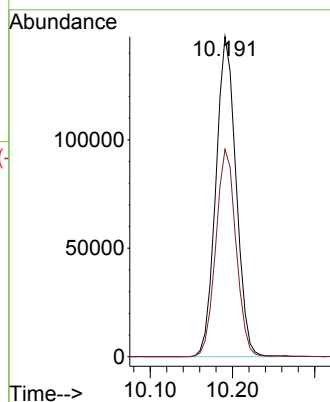
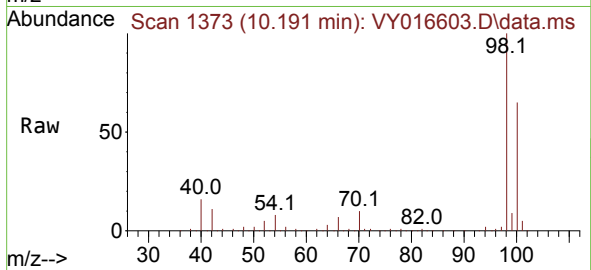
LKWD-BACKFILL-07

Tgt Ion: 98 Resp: 251678

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 55.791 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016603.D

Acq: 05 Dec 2023 17:53

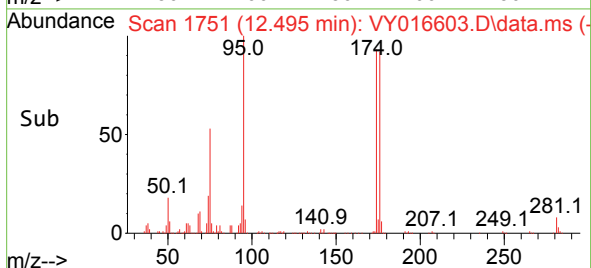
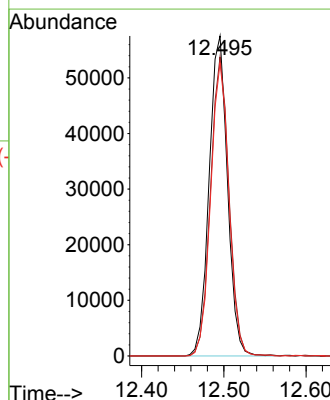
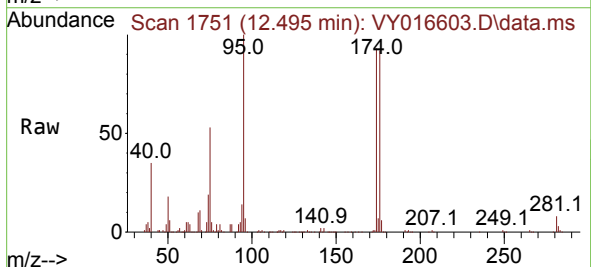
Tgt Ion: 95 Resp: 89218

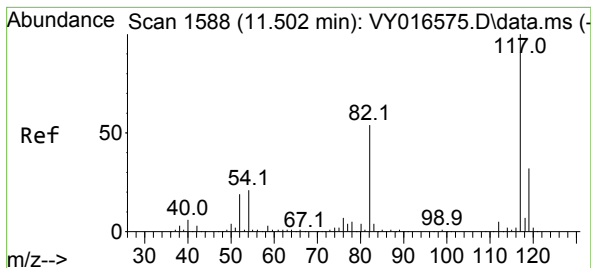
Ion Ratio Lower Upper

95 100

174 94.4 0.0 178.2

176 91.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016603.D

Acq: 05 Dec 2023 17:53

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LKWD-BACKFILL-07

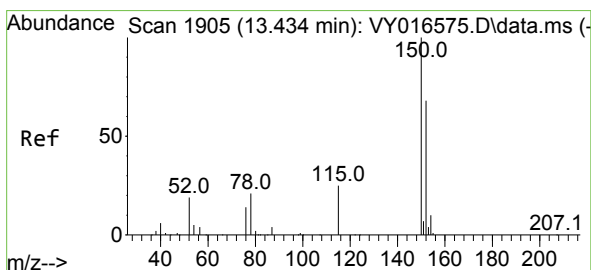
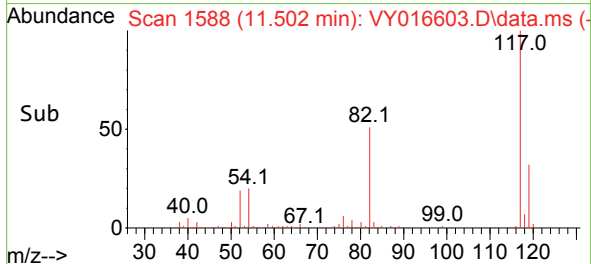
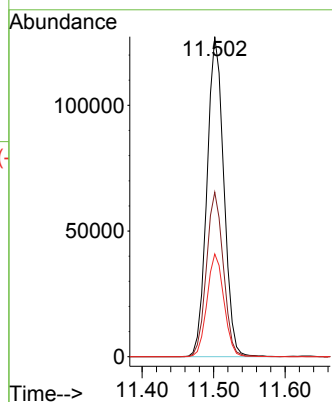
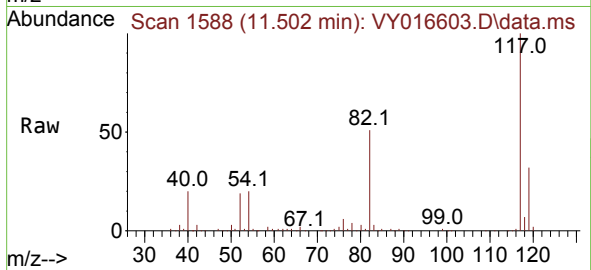
Tgt Ion:117 Resp: 208288

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 32.1 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY016603.D

Acq: 05 Dec 2023 17:53

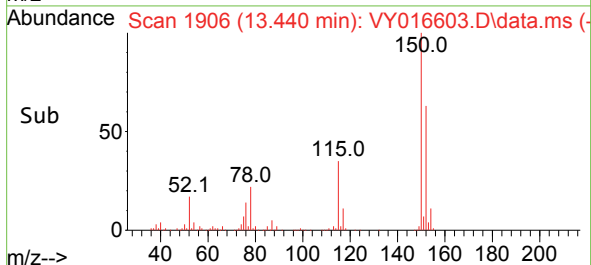
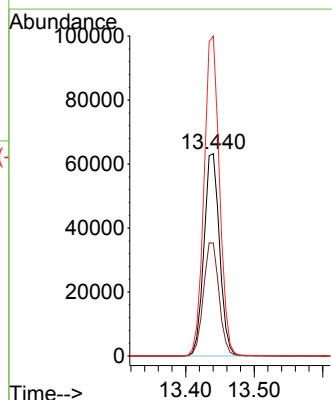
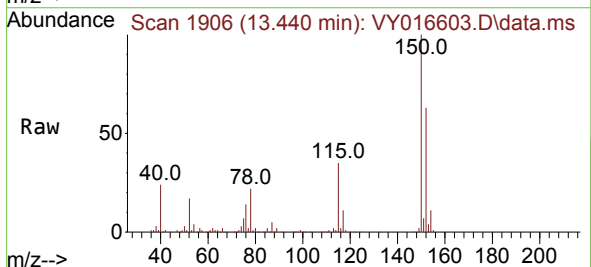
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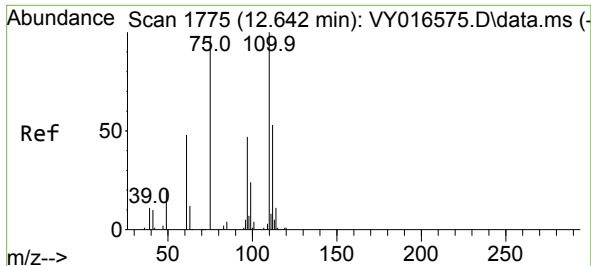
Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 156.9 0.0 348.8

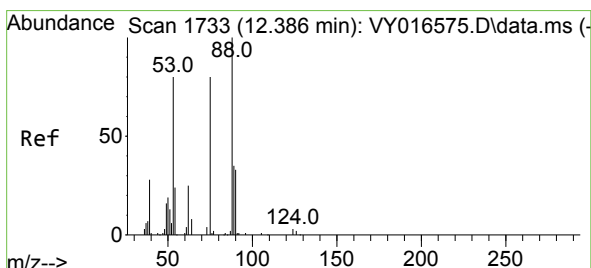
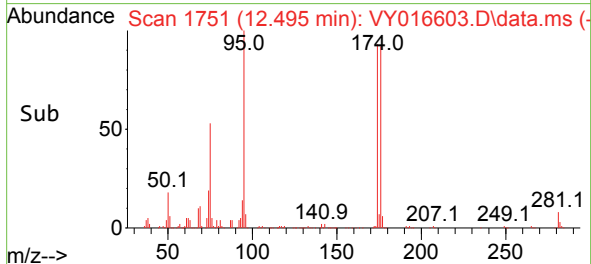
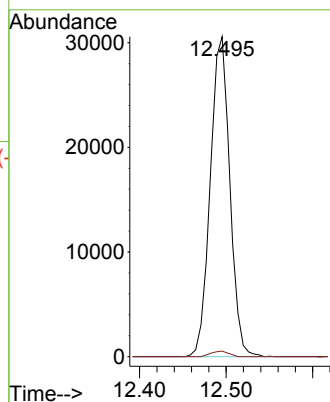
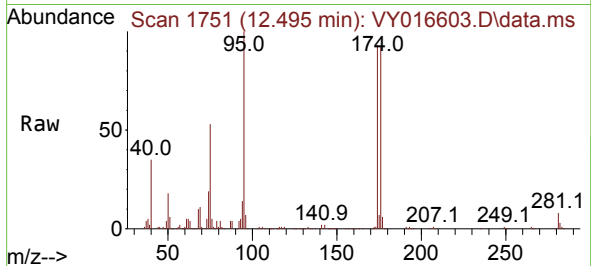




#76
1,2,3-Trichloropropane
Concen: 52.821 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-07

Tgt Ion: 75 Resp: 47879
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.154 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016603.D
Acq: 05 Dec 2023 17:53

Tgt Ion: 75 Resp: 47879
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#

