

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120623\
 Data File : VY016618.D
 Acq On : 06 Dec 2023 16:07
 Operator : SY/MD
 Sample : 05599-11RE
 Misc : 4.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-06RE

Quant Time: Dec 07 00:35:02 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)

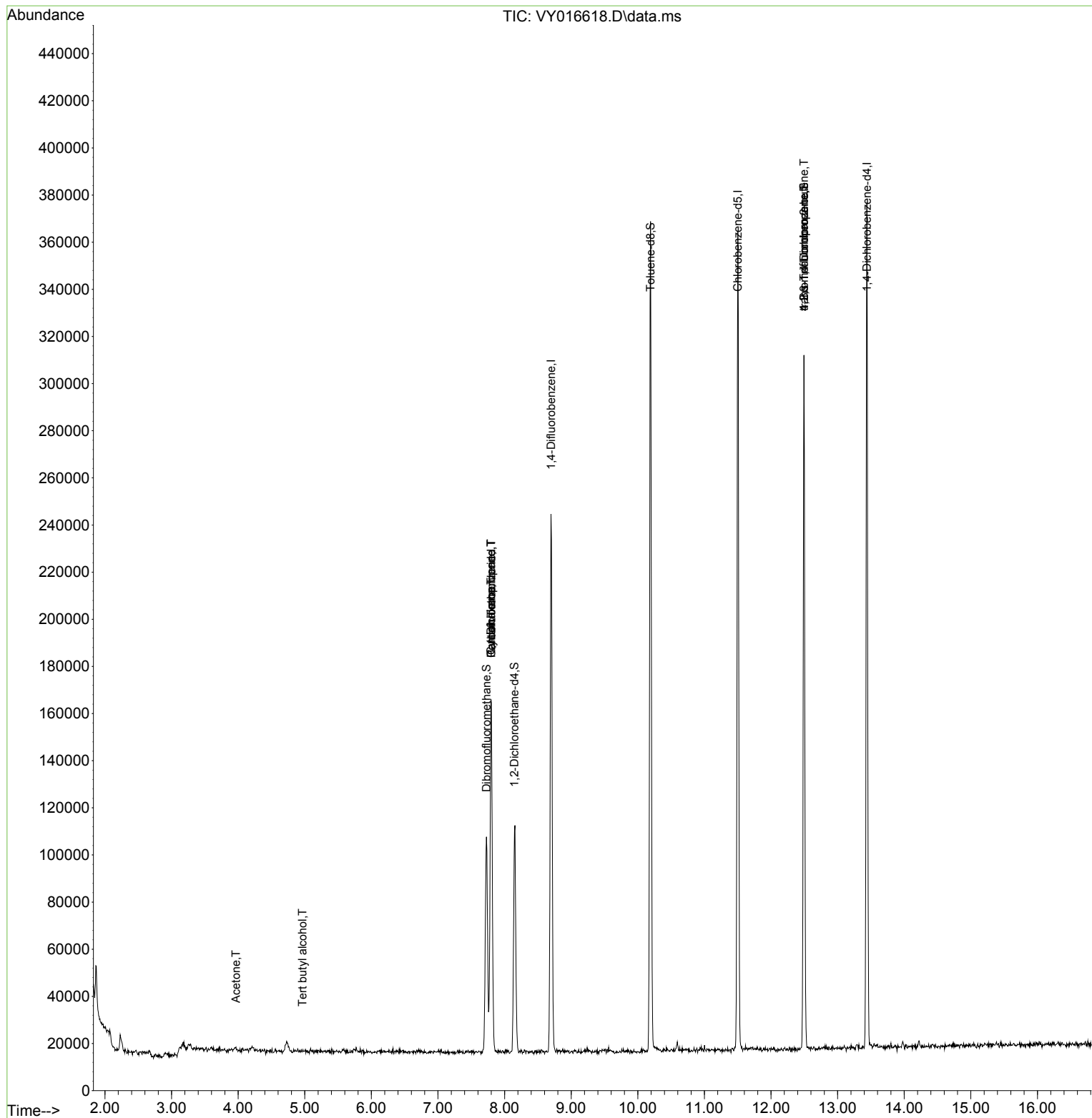
Internal Standards						
1) Pentafluorobenzene	7.801	168	123072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	200535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	195738	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	97423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79782	70.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.280%	
35) Dibromofluoromethane	7.728	113	63425	52.555	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.120%	
50) Toluene-d8	10.191	98	233712	51.198	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.400%	
62) 4-Bromofluorobenzene	12.495	95	83062	55.331	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.966	59	271	3.497	ug/l #	89
16) Acetone	3.966	43	2542	9.875	ug/l	91
20) Methylene Chloride	4.722	84	3095	Below Cal		83
31) Cyclohexane	7.795	56	2158	1.111	ug/l #	4
36) 1,1-Dichloropropene	7.795	75	7815	4.260	ug/l #	52
38) Carbon Tetrachloride	7.801	117	11579	5.452	ug/l #	15
76) 1,2,3-Trichloropropane	12.495	75	45505	51.707	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	45505	116.642	ug/l #	11
95) Naphthalene	15.245	128	684	Below Cal	#	69

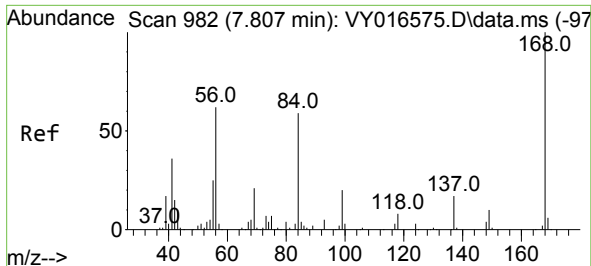
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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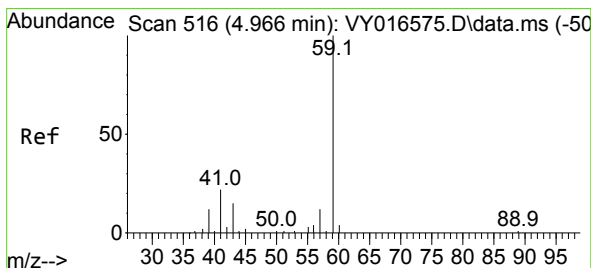
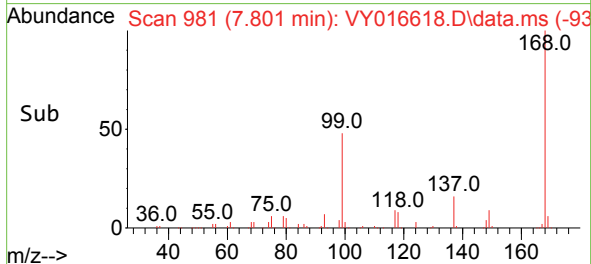
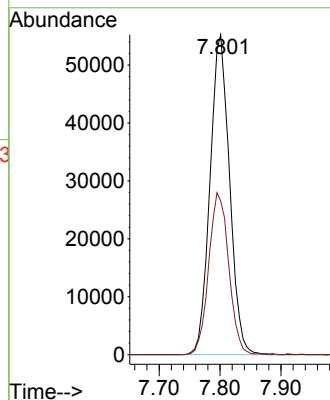
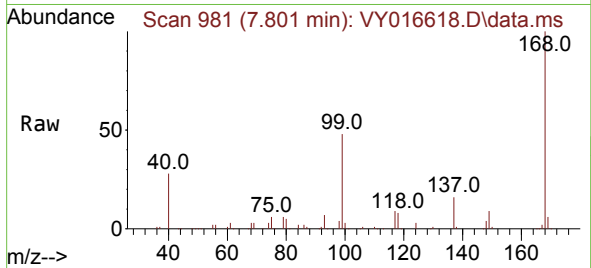




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY016618.D
Acq: 06 Dec 2023 16:07

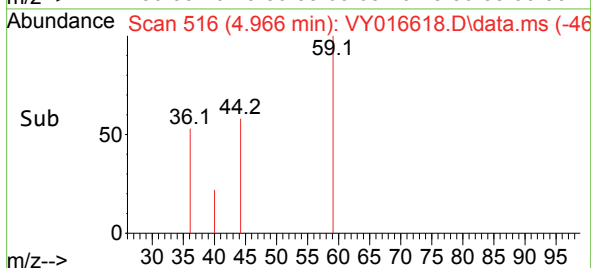
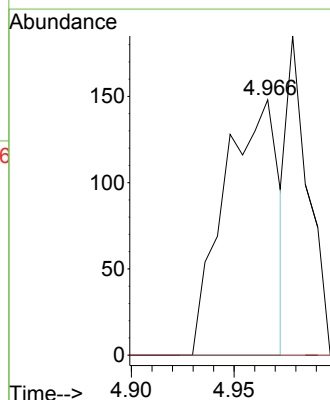
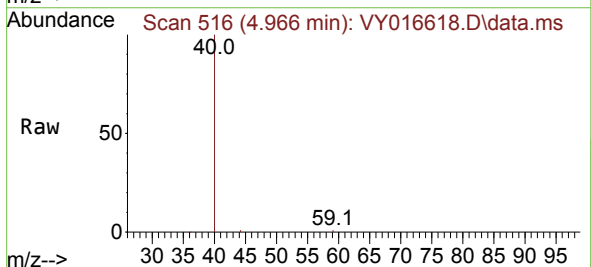
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-06RE

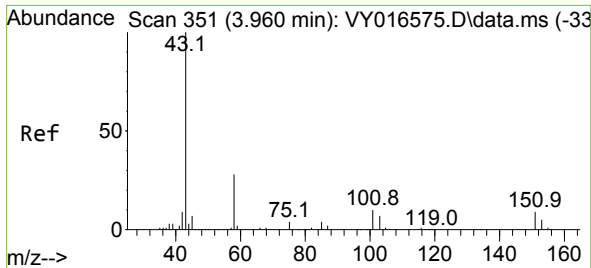
Tgt Ion:168 Resp: 123072
Ion Ratio Lower Upper
168 100
99 48.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.497 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.000 min
Lab File: VY016618.D
Acq: 06 Dec 2023 16:07

Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 9.875 ug/l

RT: 3.966 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY016618.D

Acq: 06 Dec 2023 16:07

Instrument :

MSVOA_Y

ClientSampleId :

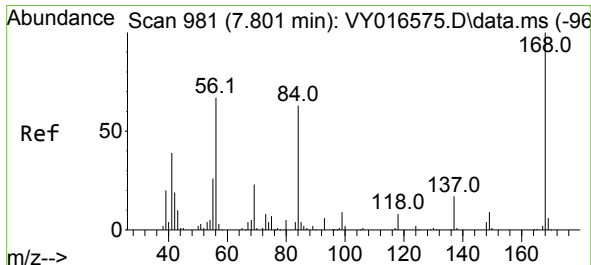
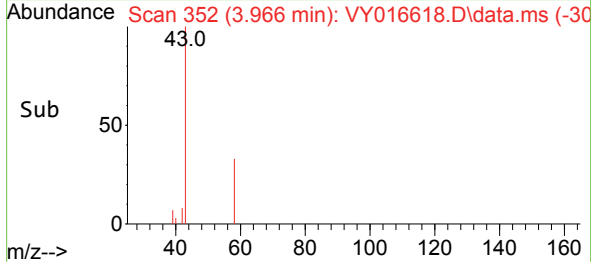
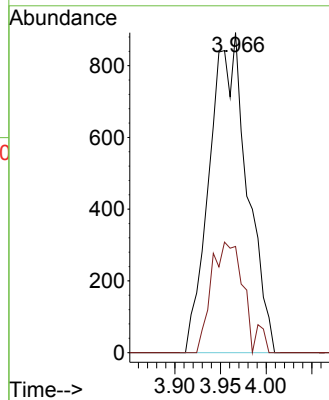
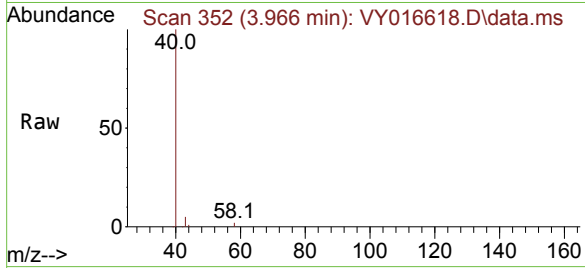
LKWD-BACKFILL-06RE

Tgt Ion: 43 Resp: 2542

Ion Ratio Lower Upper

43 100

58 33.2 22.7 34.1



#31

Cyclohexane

Concen: 1.111 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.006 min

Lab File: VY016618.D

Acq: 06 Dec 2023 16:07

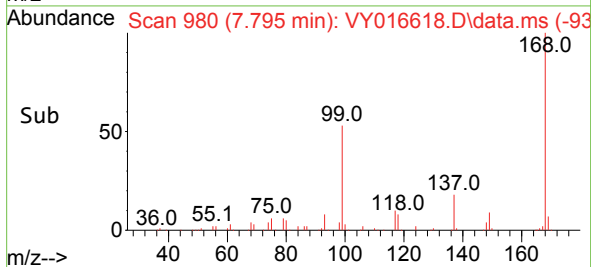
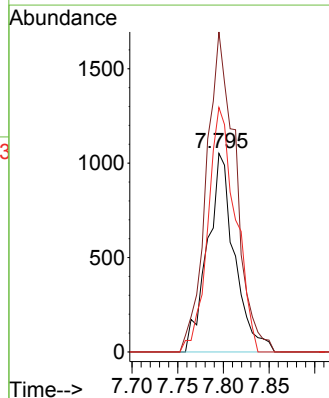
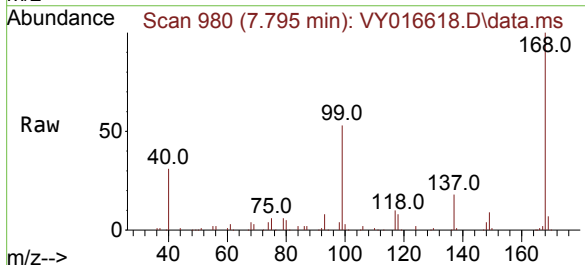
Tgt Ion: 56 Resp: 2158

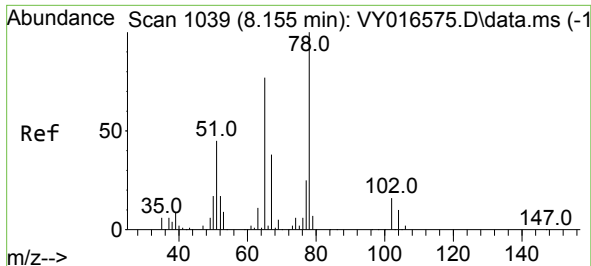
Ion Ratio Lower Upper

56 100

69 161.1 27.8 41.6#

84 123.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 70.137 ug/l

RT: 8.149 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY016618.D

Acq: 06 Dec 2023 16:07

Instrument :

MSVOA_Y

ClientSampleId :

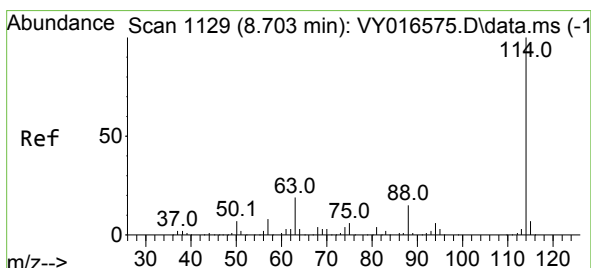
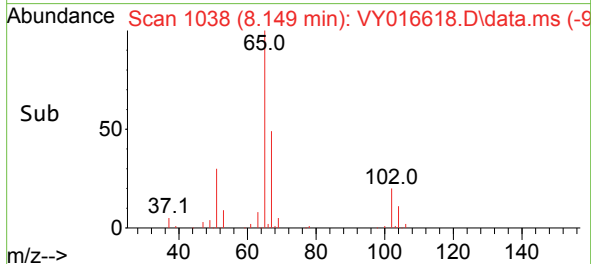
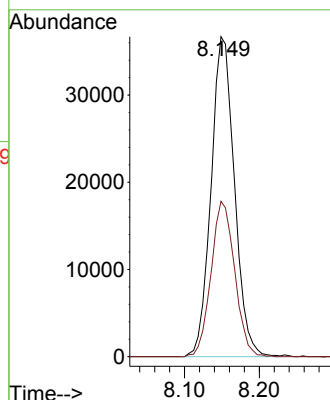
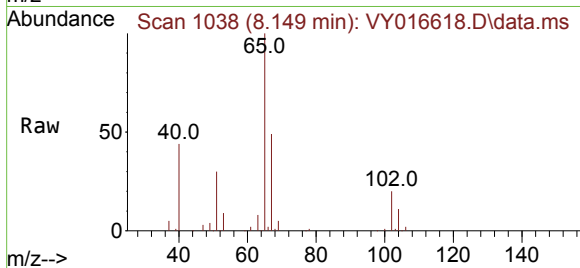
LKWD-BACKFILL-06RE

Tgt Ion: 65 Resp: 79782

Ion Ratio Lower Upper

65 100

67 49.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016618.D

Acq: 06 Dec 2023 16:07

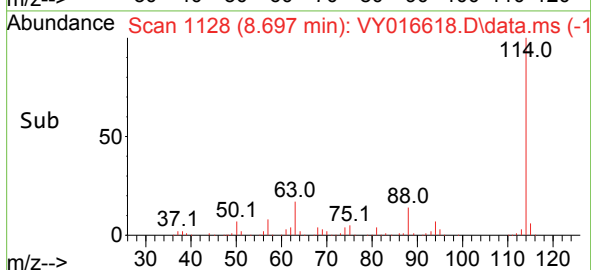
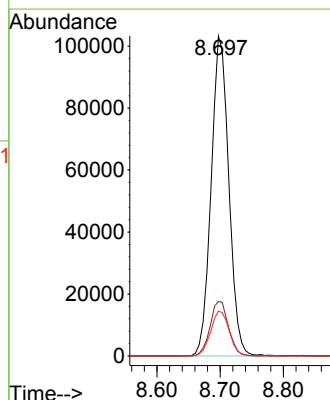
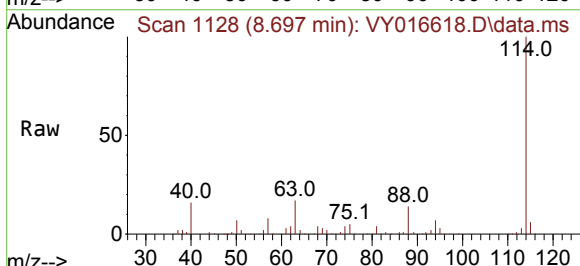
Tgt Ion:114 Resp: 200535

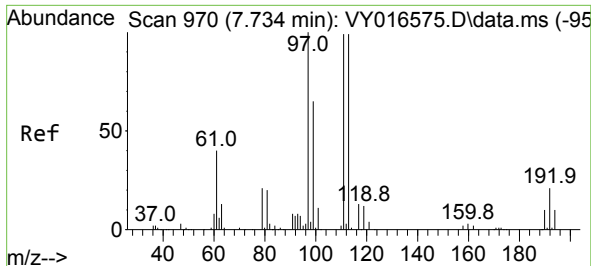
Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.4

88 14.0 0.0 30.6

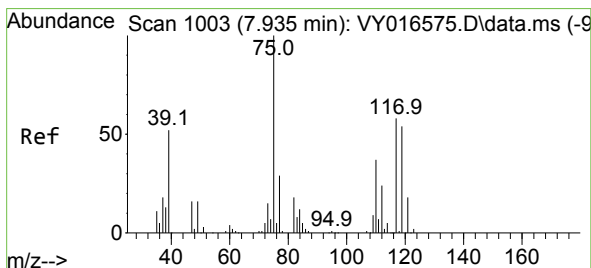
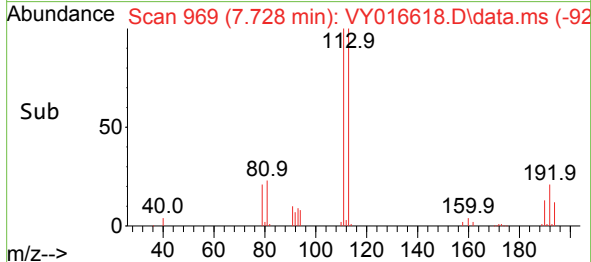
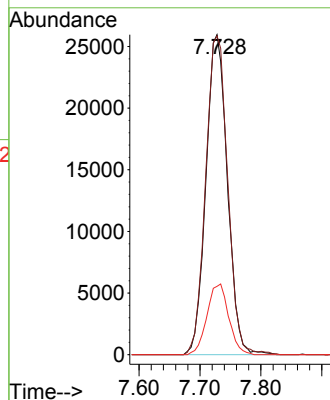
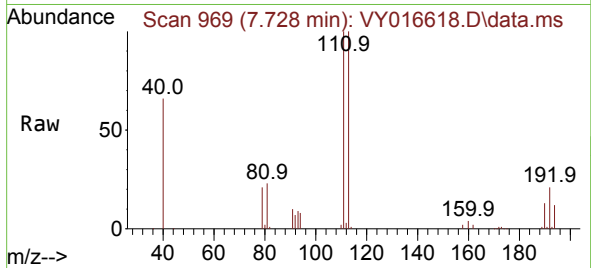




#35
Dibromofluoromethane
Concen: 52.555 ug/l
RT: 7.728 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY016618.D
Acq: 06 Dec 2023 16:07

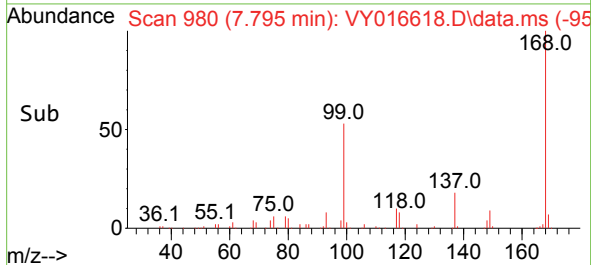
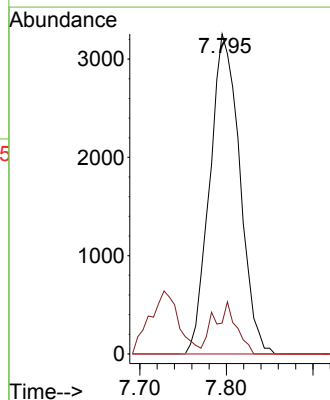
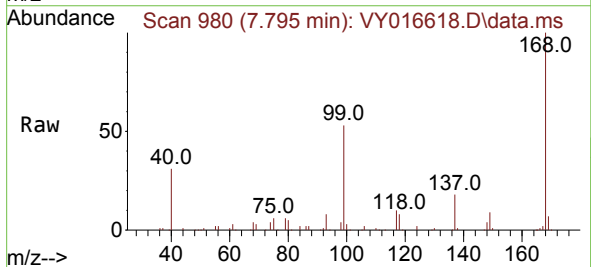
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-06RE

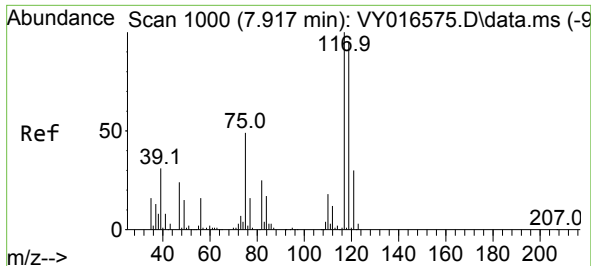
Tgt Ion:113 Resp: 63425
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 22.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.260 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.140 min
Lab File: VY016618.D
Acq: 06 Dec 2023 16:07

Tgt Ion: 75 Resp: 7815
Ion Ratio Lower Upper
75 100
110 12.0 17.8 53.5#
77 0.0 24.4 36.6#

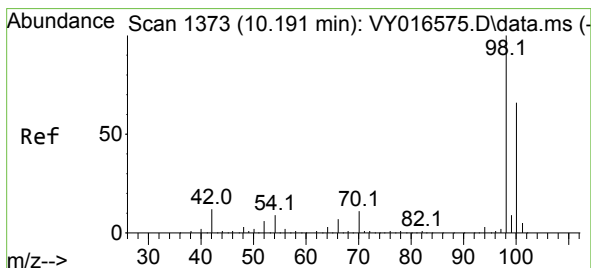
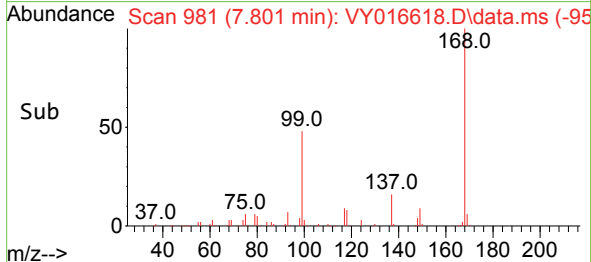
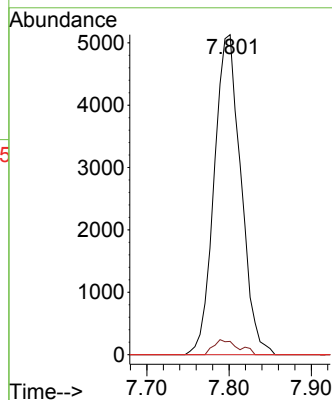
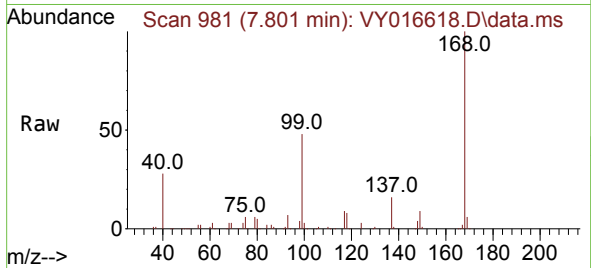




#38
Carbon Tetrachloride
Concen: 5.452 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016618.D
Acq: 06 Dec 2023 16:07

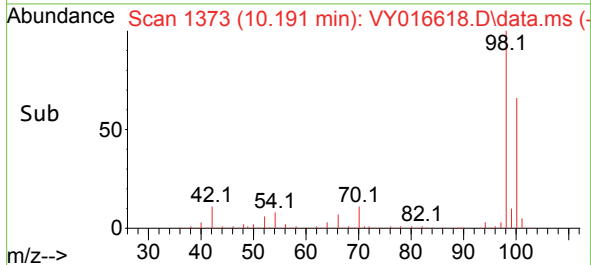
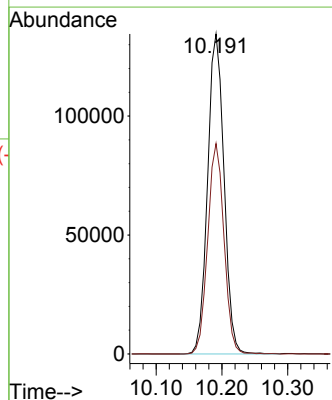
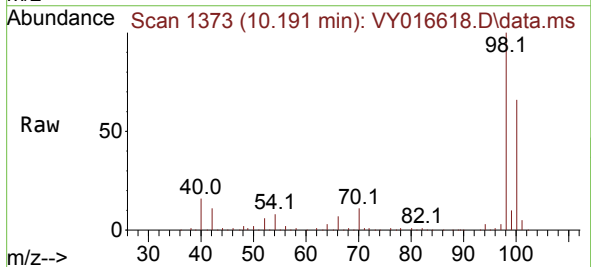
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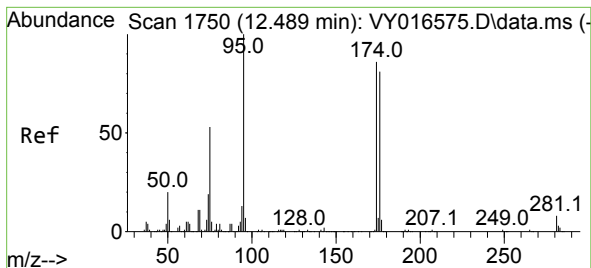
Tgt Ion:117 Resp: 11579
Ion Ratio Lower Upper
117 100
119 4.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.198 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. -0.000 min
Lab File: VY016618.D
Acq: 06 Dec 2023 16:07

Tgt Ion: 98 Resp: 233712
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 55.331 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016618.D

Acq: 06 Dec 2023 16:07

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-06RE

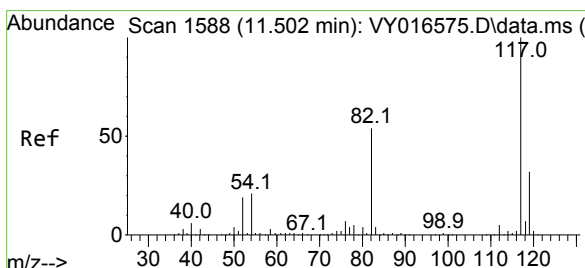
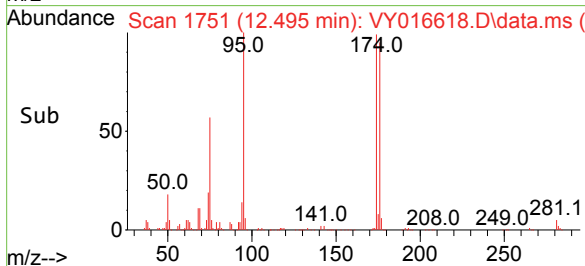
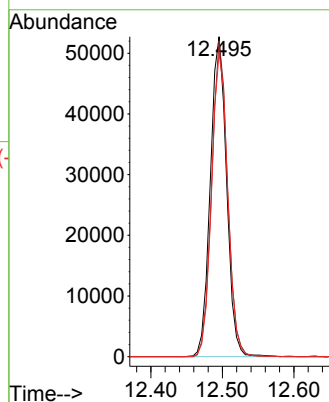
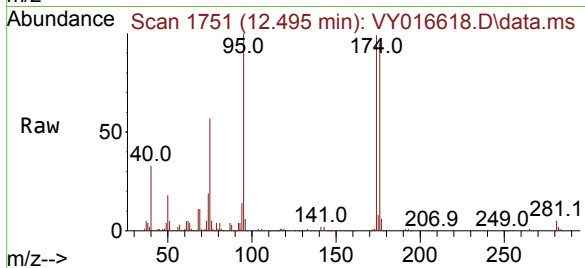
Tgt Ion: 95 Resp: 83062

Ion Ratio Lower Upper

95 100

174 96.6 0.0 178.2

176 94.6 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1588

Delta R.T. -0.000 min

Lab File: VY016618.D

Acq: 06 Dec 2023 16:07

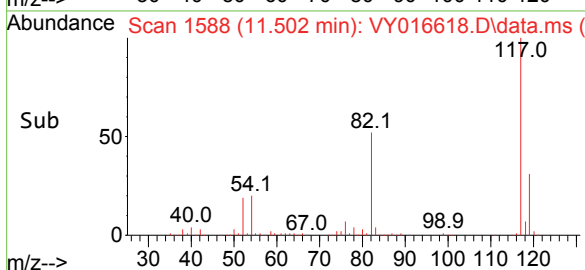
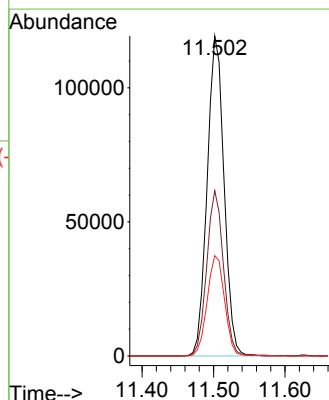
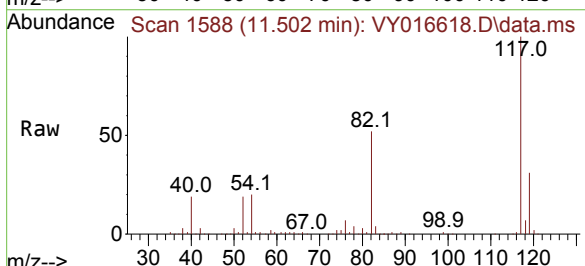
Tgt Ion: 117 Resp: 195738

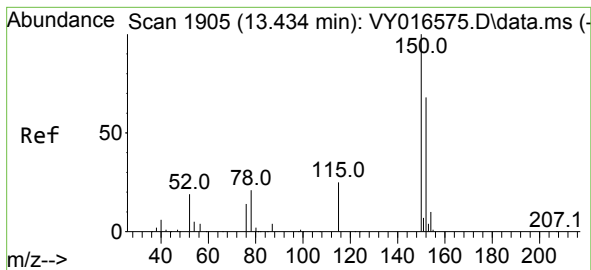
Ion Ratio Lower Upper

117 100

82 51.6 43.4 65.0

119 31.4 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: VY016618.D

Acq: 06 Dec 2023 16:07

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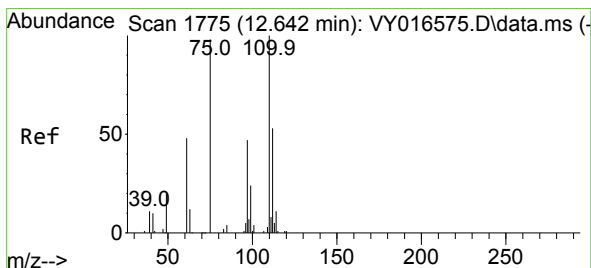
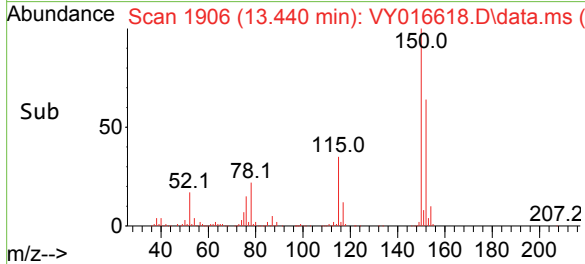
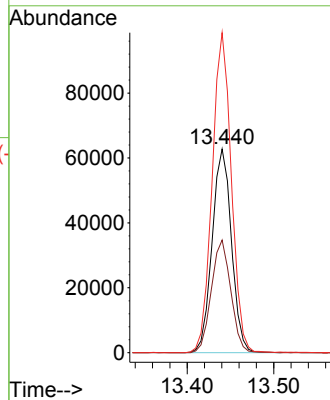
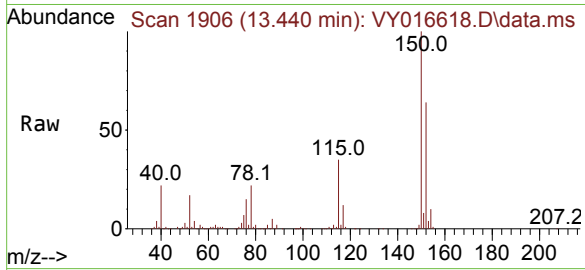
Tgt Ion:152 Resp: 97423

Ion Ratio Lower Upper

152 100

115 55.5 28.8 86.5

150 155.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 51.707 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016618.D

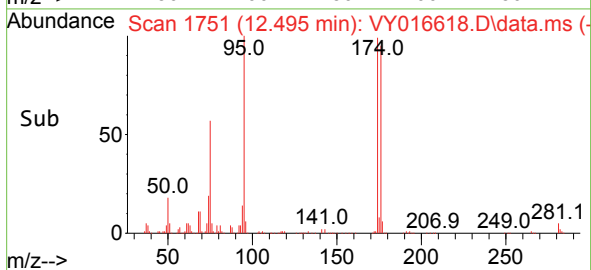
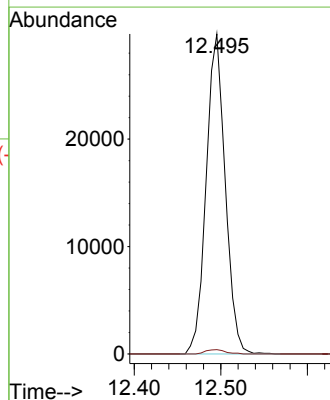
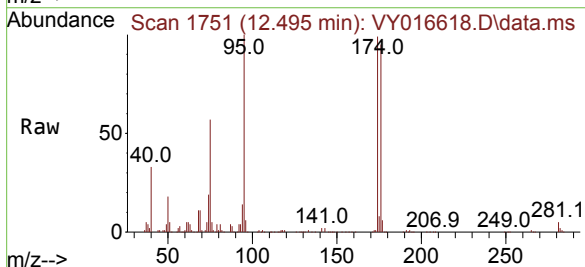
Acq: 06 Dec 2023 16:07

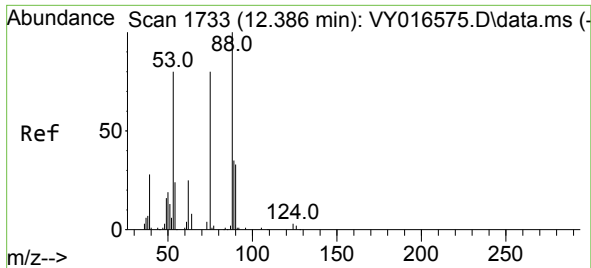
Tgt Ion: 75 Resp: 45505

Ion Ratio Lower Upper

75 100

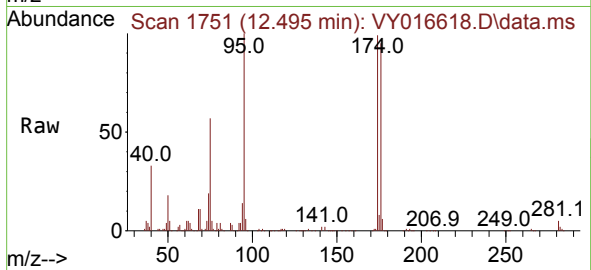
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 116.642 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016618.D
 Acq: 06 Dec 2023 16:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-06RE



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.2	37.4	56.0#

