

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120623\
 Data File : VY016615.D
 Acq On : 06 Dec 2023 14:57
 Operator : SY/MD
 Sample : 05599-05RE
 Misc : 4.71g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-03RE

Quant Time: Dec 07 00:33:54 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)

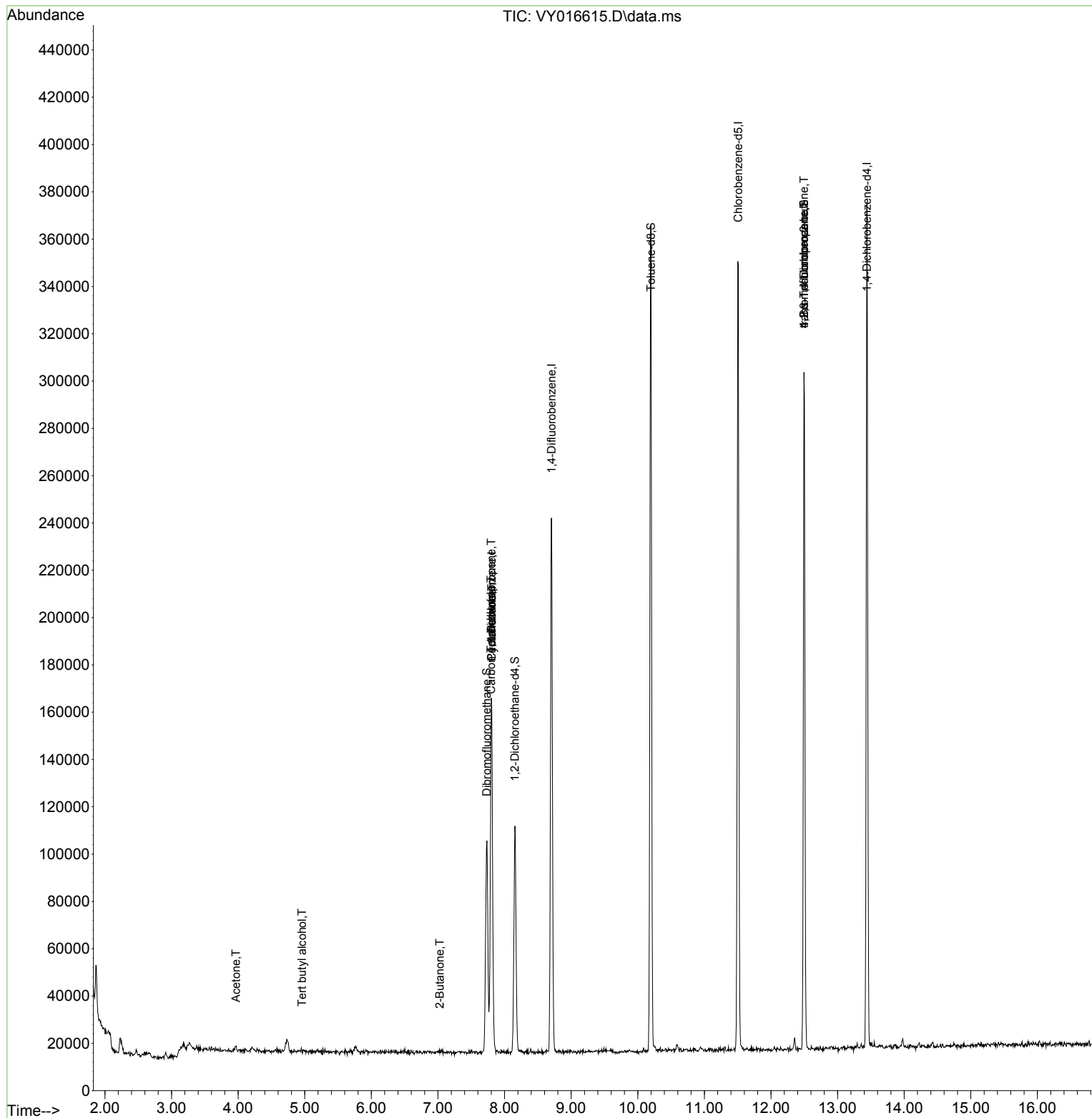
Internal Standards						
1) Pentafluorobenzene	7.807	168	123721	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	201408	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	196022	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	95597	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	79138	69.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.420%	
35) Dibromofluoromethane	7.734	113	63241	52.176	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.360%	
50) Toluene-d8	10.197	98	231134	50.414	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.820%	
62) 4-Bromofluorobenzene	12.496	95	83798	55.580	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.160%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	230	2.952	ug/l #	89
16) Acetone	3.967	43	2567	9.920	ug/l #	85
25) 2-Butanone	7.027	43	507	1.425	ug/l #	49
31) Cyclohexane	7.807	56	2376	1.217	ug/l #	28
36) 1,1-Dichloropropene	7.801	75	8420	4.570	ug/l #	52
38) Carbon Tetrachloride	7.795	117	11807	5.535	ug/l #	17
76) 1,2,3-Trichloropropane	12.496	75	45942	53.201	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	45942	120.011	ug/l #	10
95) Naphthalene	15.251	128	1073	Below Cal	#	71
96) 1,2,3-Trichlorobenzene	15.440	180	154	Below Cal	#	76

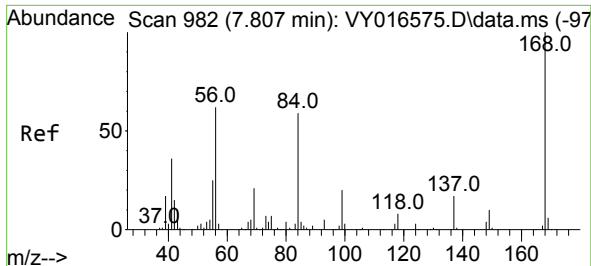
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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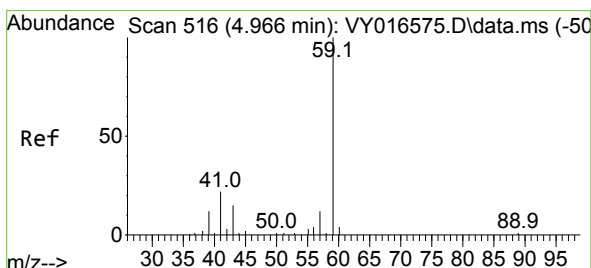
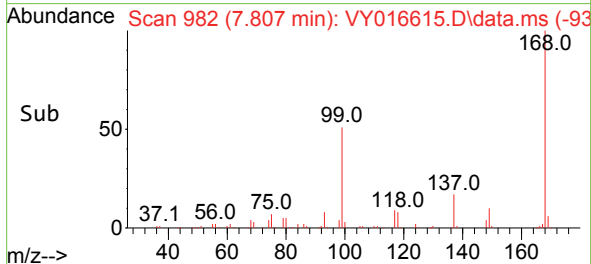
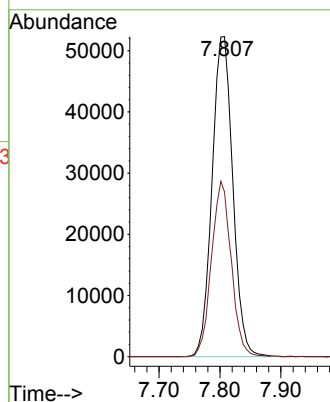
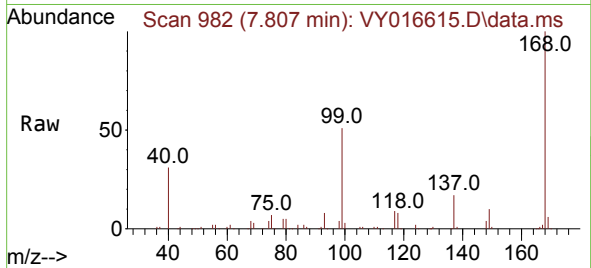




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016615.D
Acq: 06 Dec 2023 14:57

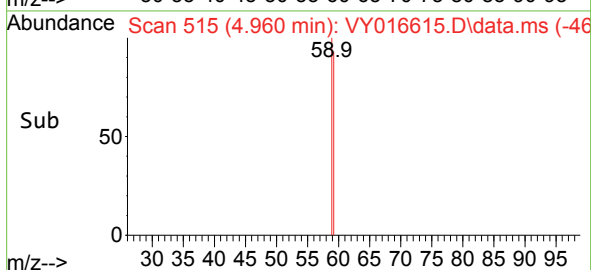
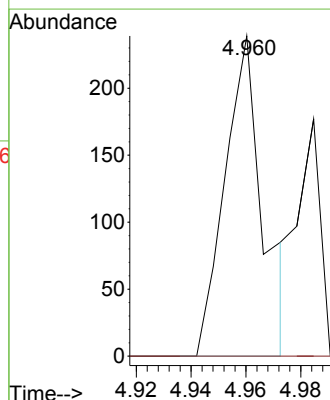
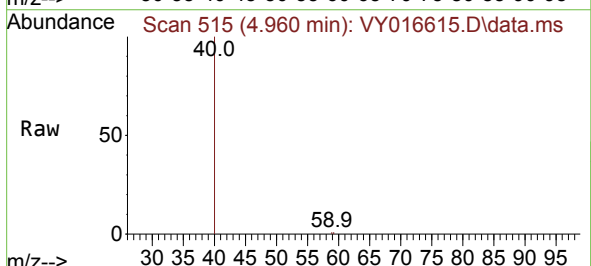
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-03RE

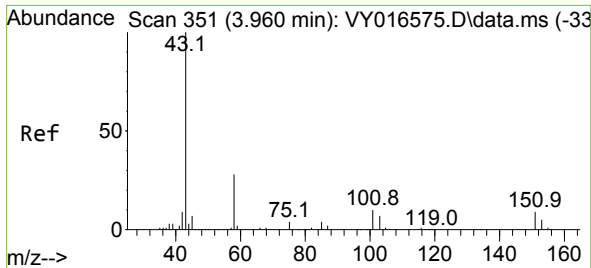
Tgt Ion:168 Resp: 123721
Ion Ratio Lower Upper
168 100
99 51.5 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.952 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016615.D
Acq: 06 Dec 2023 14:57

Tgt Ion: 59 Resp: 230
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 9.920 ug/l

RT: 3.967 min Scan# 31

Delta R.T. 0.007 min

Lab File: VY016615.D

Acq: 06 Dec 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

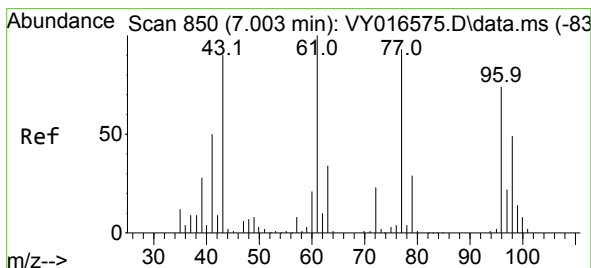
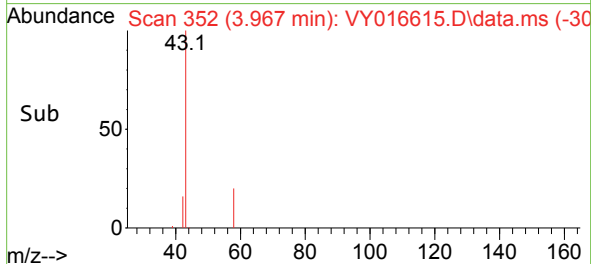
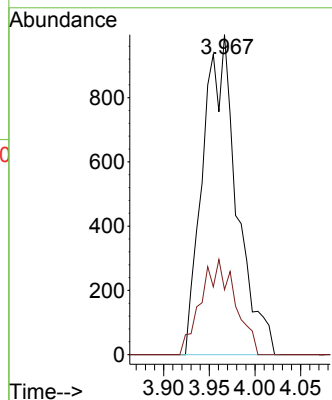
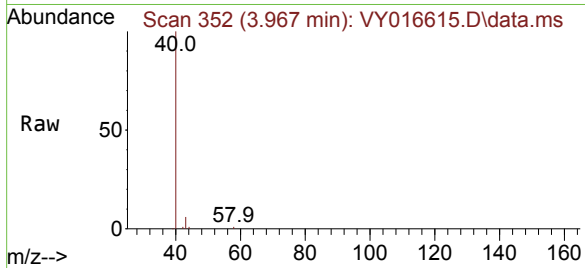
LKWD-BACKFILL-03RE

Tgt Ion: 43 Resp: 2567

Ion Ratio Lower Upper

43 100

58 20.3 22.7 34.1#



#25

2-Butanone

Concen: 1.425 ug/l

RT: 7.027 min Scan# 854

Delta R.T. 0.024 min

Lab File: VY016615.D

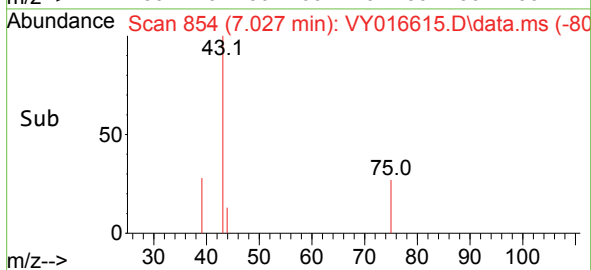
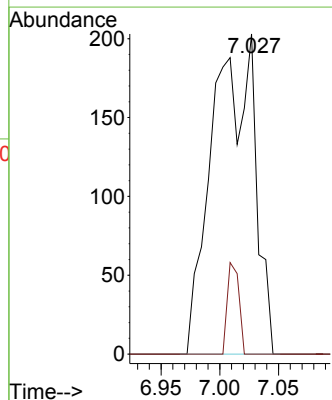
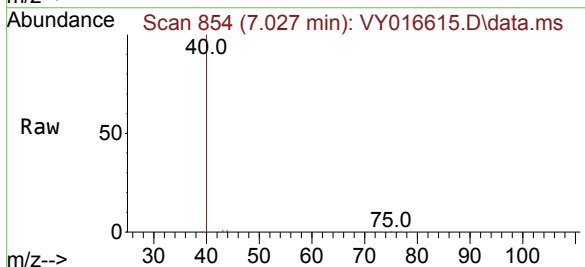
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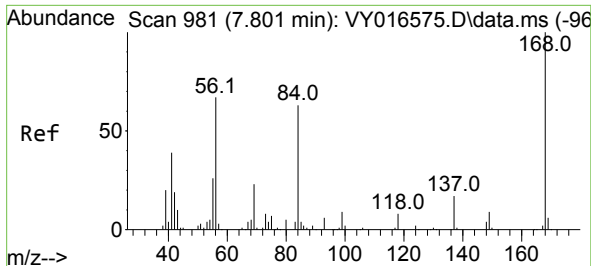
Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#

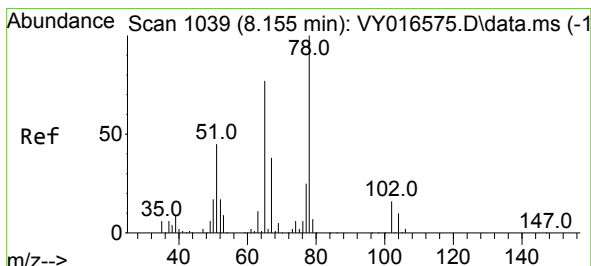
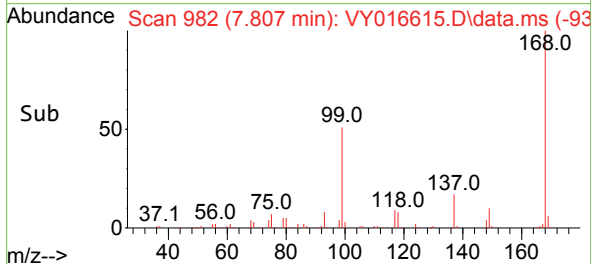
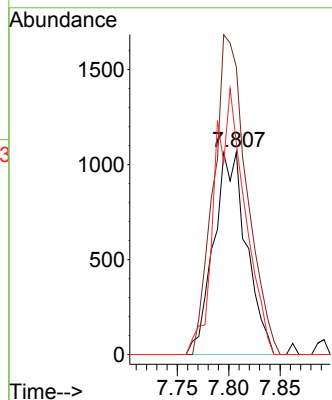
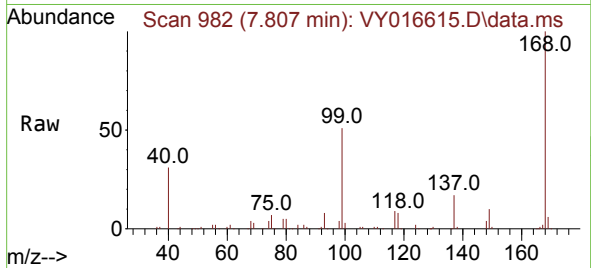




#31
Cyclohexane
Concen: 1.217 ug/l
RT: 7.807 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY016615.D
Acq: 06 Dec 2023 14:57

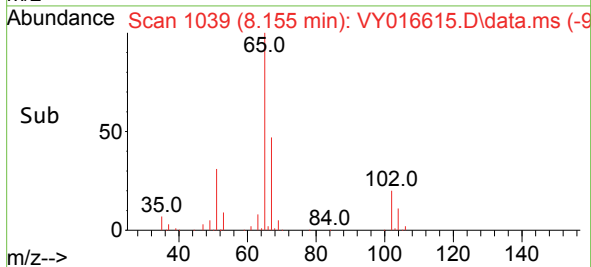
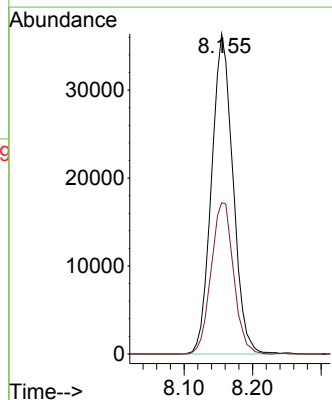
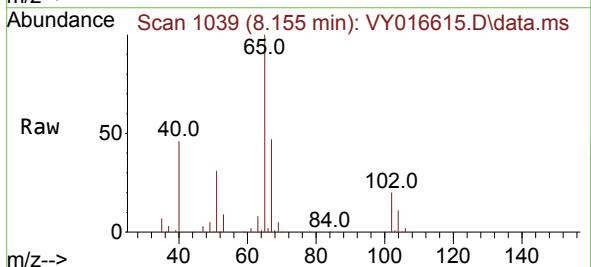
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-03RE

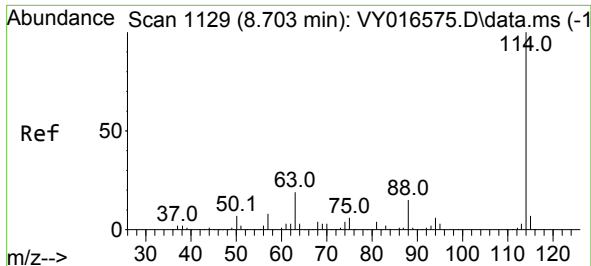
Tgt Ion: 56 Resp: 2376
Ion Ratio Lower Upper
56 100
69 142.2 27.8 41.6#
84 104.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 69.206 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY016615.D
Acq: 06 Dec 2023 14:57

Tgt Ion: 65 Resp: 79138
Ion Ratio Lower Upper
65 100
67 49.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY016615.D

Acq: 06 Dec 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-03RE

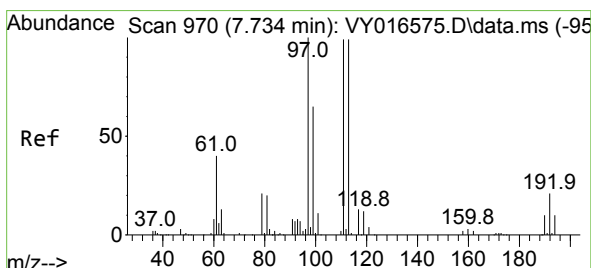
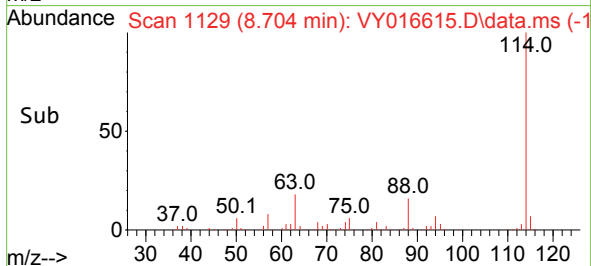
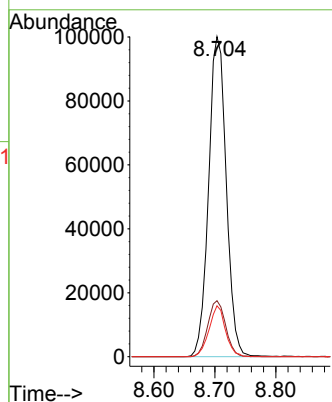
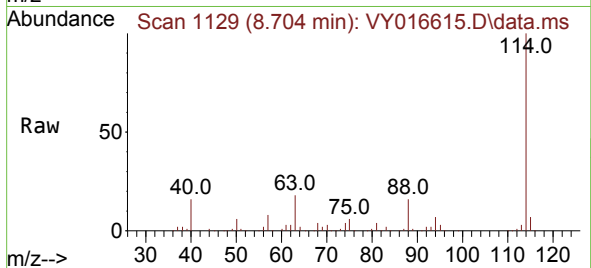
Tgt Ion:114 Resp: 201408

Ion Ratio Lower Upper

114 100

63 17.5 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.176 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY016615.D

Acq: 06 Dec 2023 14:57

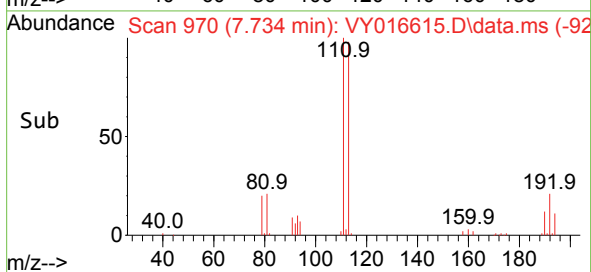
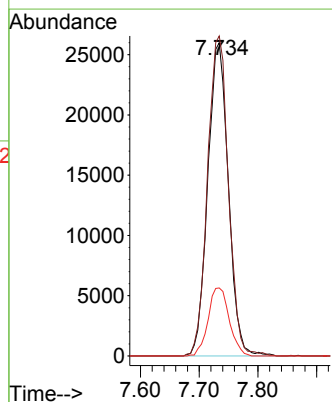
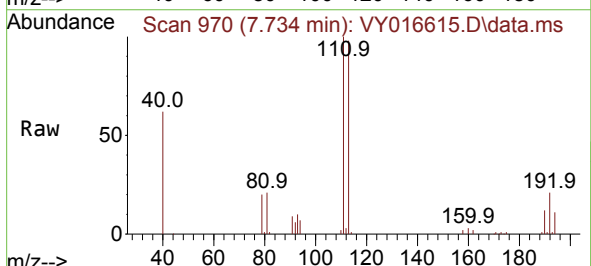
Tgt Ion:113 Resp: 63241

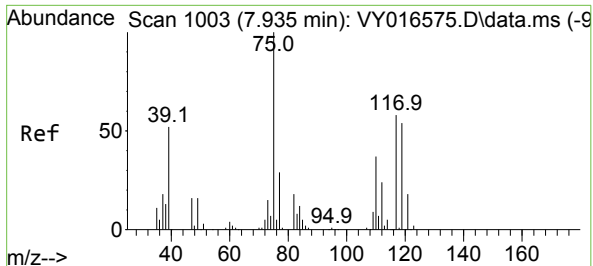
Ion Ratio Lower Upper

113 100

111 103.5 81.3 121.9

192 22.3 16.9 25.3

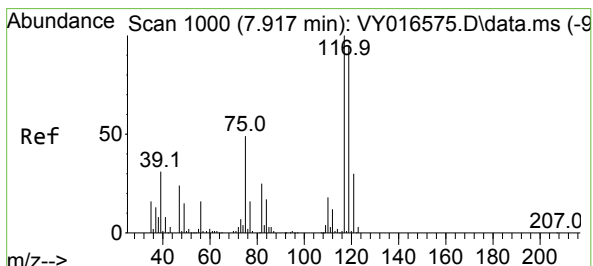
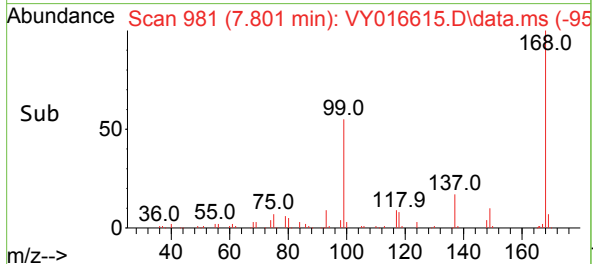
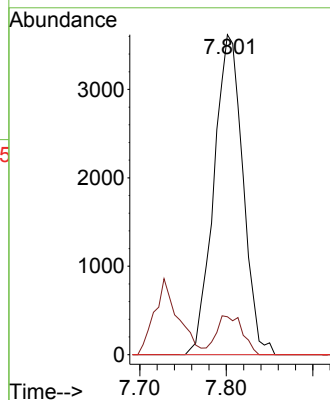
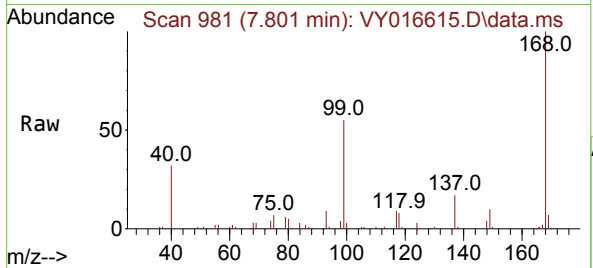




#36
 1,1-Dichloropropene
 Concen: 4.570 ug/l
 RT: 7.801 min Scan# 91
 Delta R.T. -0.134 min
 Lab File: VY016615.D
 Acq: 06 Dec 2023 14:57

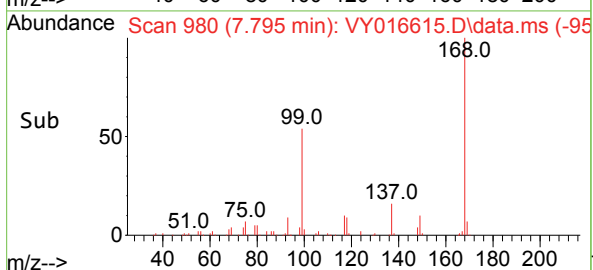
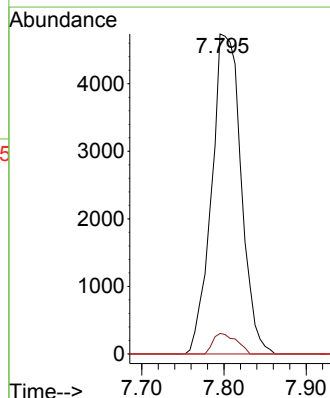
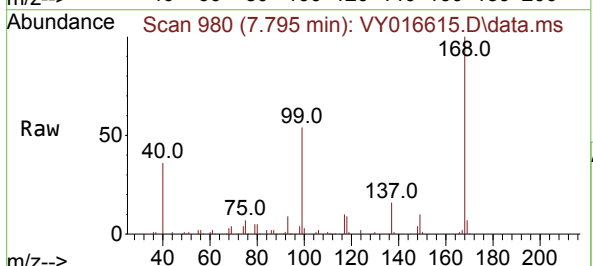
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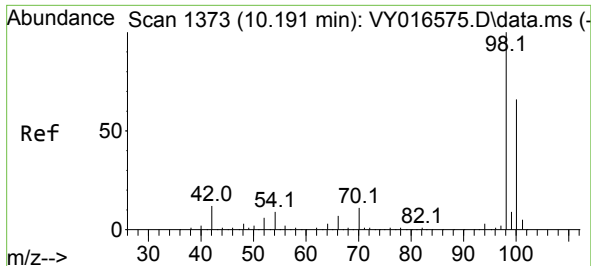
Tgt Ion: 75 Resp: 8420
 Ion Ratio Lower Upper
 75 100
 110 11.2 17.8 53.5#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.535 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.122 min
 Lab File: VY016615.D
 Acq: 06 Dec 2023 14:57

Tgt Ion: 117 Resp: 11807
 Ion Ratio Lower Upper
 117 100
 119 6.4 76.4 114.6#
 121 0.0 25.8 38.6#

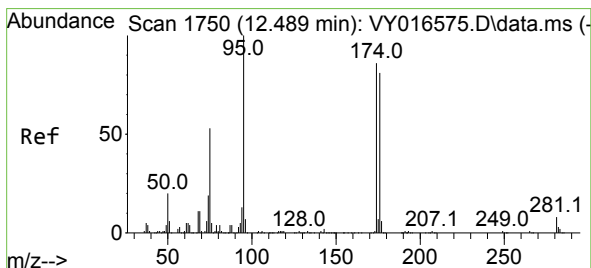
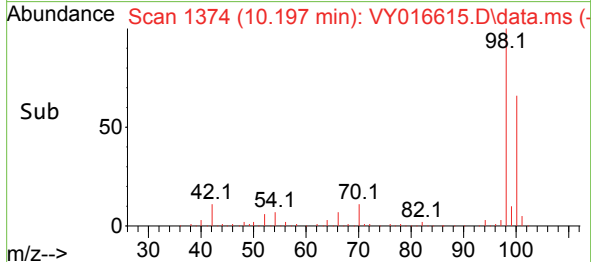
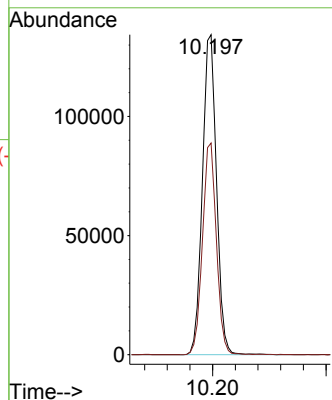
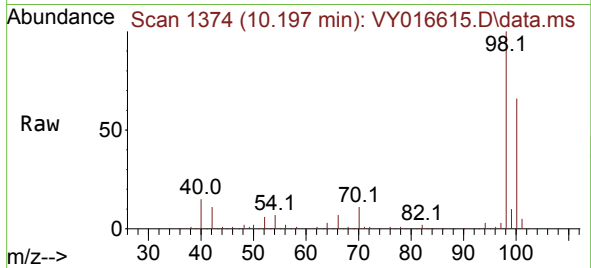




#50
Toluene-d8
Concen: 50.414 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016615.D
Acq: 06 Dec 2023 14:57

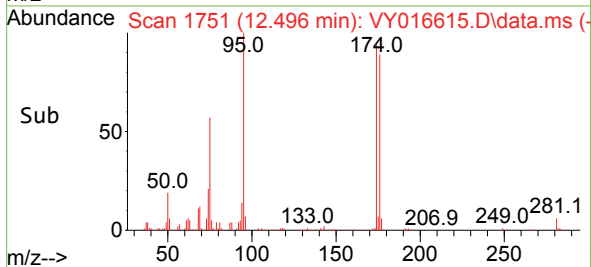
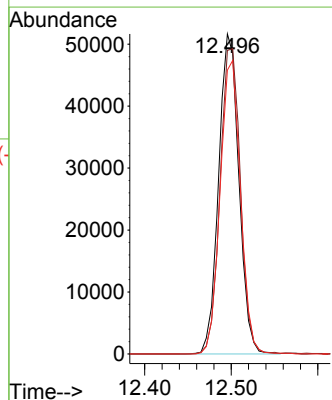
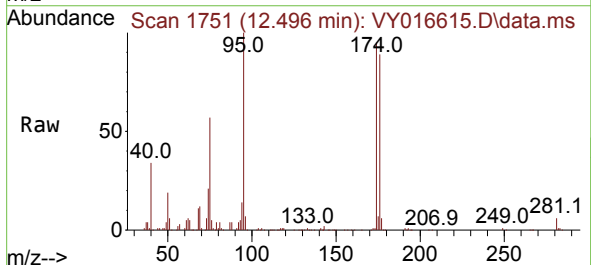
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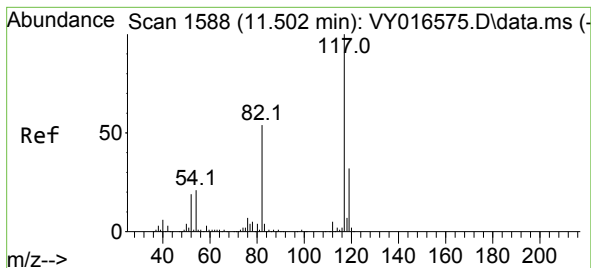
Tgt Ion: 98 Resp: 231134
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 55.580 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016615.D
Acq: 06 Dec 2023 14:57

Tgt Ion: 95 Resp: 83798
Ion Ratio Lower Upper
95 100
174 96.3 0.0 178.2
176 92.3 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY016615.D

Acq: 06 Dec 2023 14:57

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-03RE

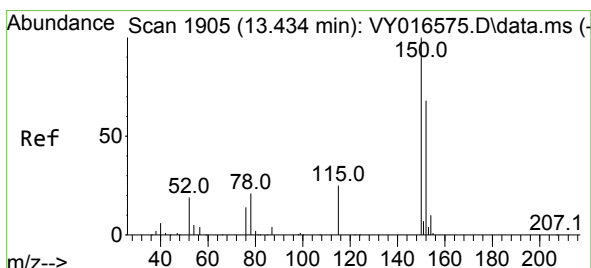
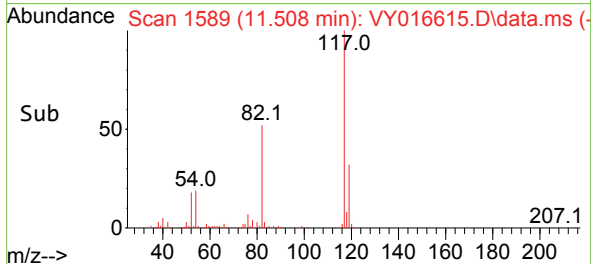
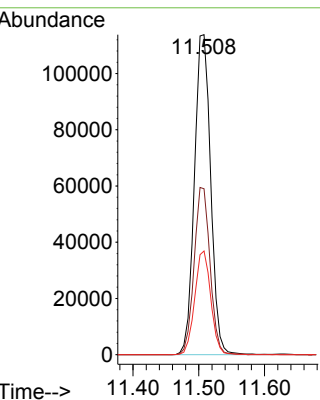
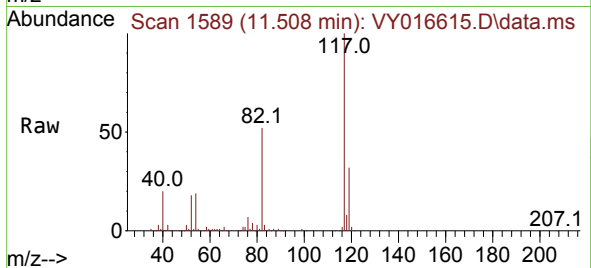
Tgt Ion:117 Resp: 196022

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 32.4 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: VY016615.D

Acq: 06 Dec 2023 14:57

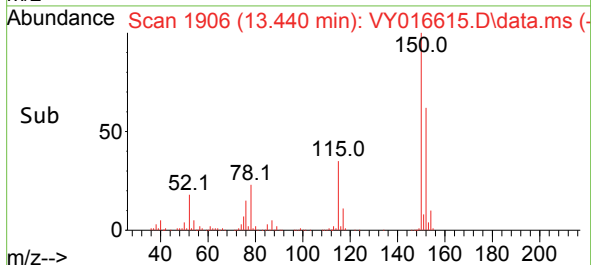
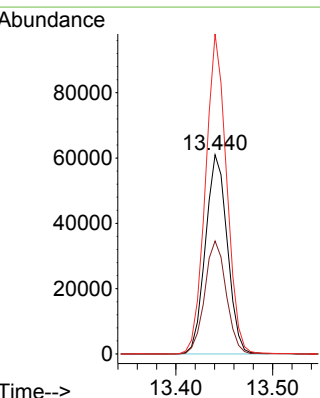
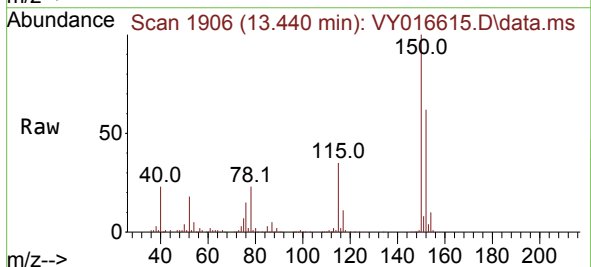
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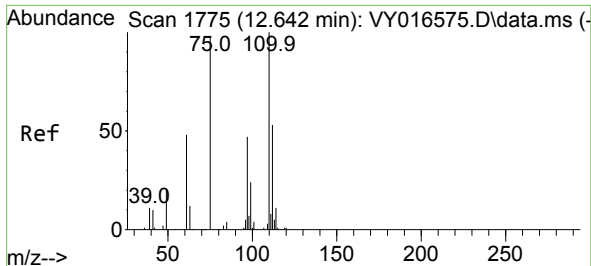
Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.5

150 155.3 0.0 348.8

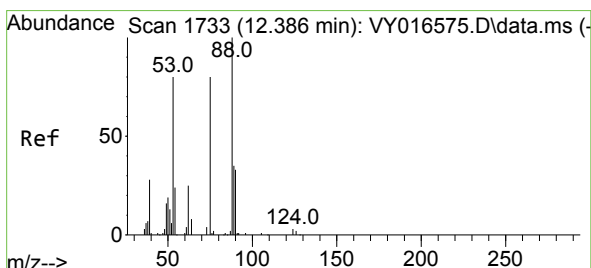
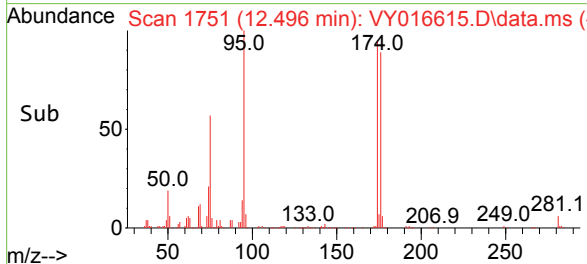
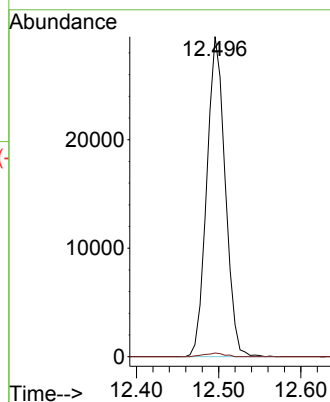
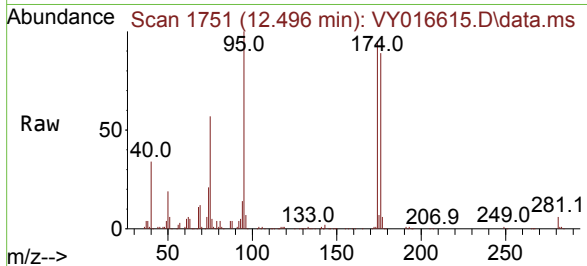




#76
1,2,3-Trichloropropane
Concen: 53.201 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. -0.146 min
Lab File: VY016615.D
Acq: 06 Dec 2023 14:57

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-03RE

Tgt Ion: 75 Resp: 45942
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.011 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.110 min
Lab File: VY016615.D
Acq: 06 Dec 2023 14:57

Tgt Ion: 75 Resp: 45942
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

