

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120623\
 Data File : VY016619.D
 Acq On : 06 Dec 2023 16:31
 Operator : SY/MD
 Sample : 05599-13RE
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-07RE

Quant Time: Dec 07 00:35:24 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)

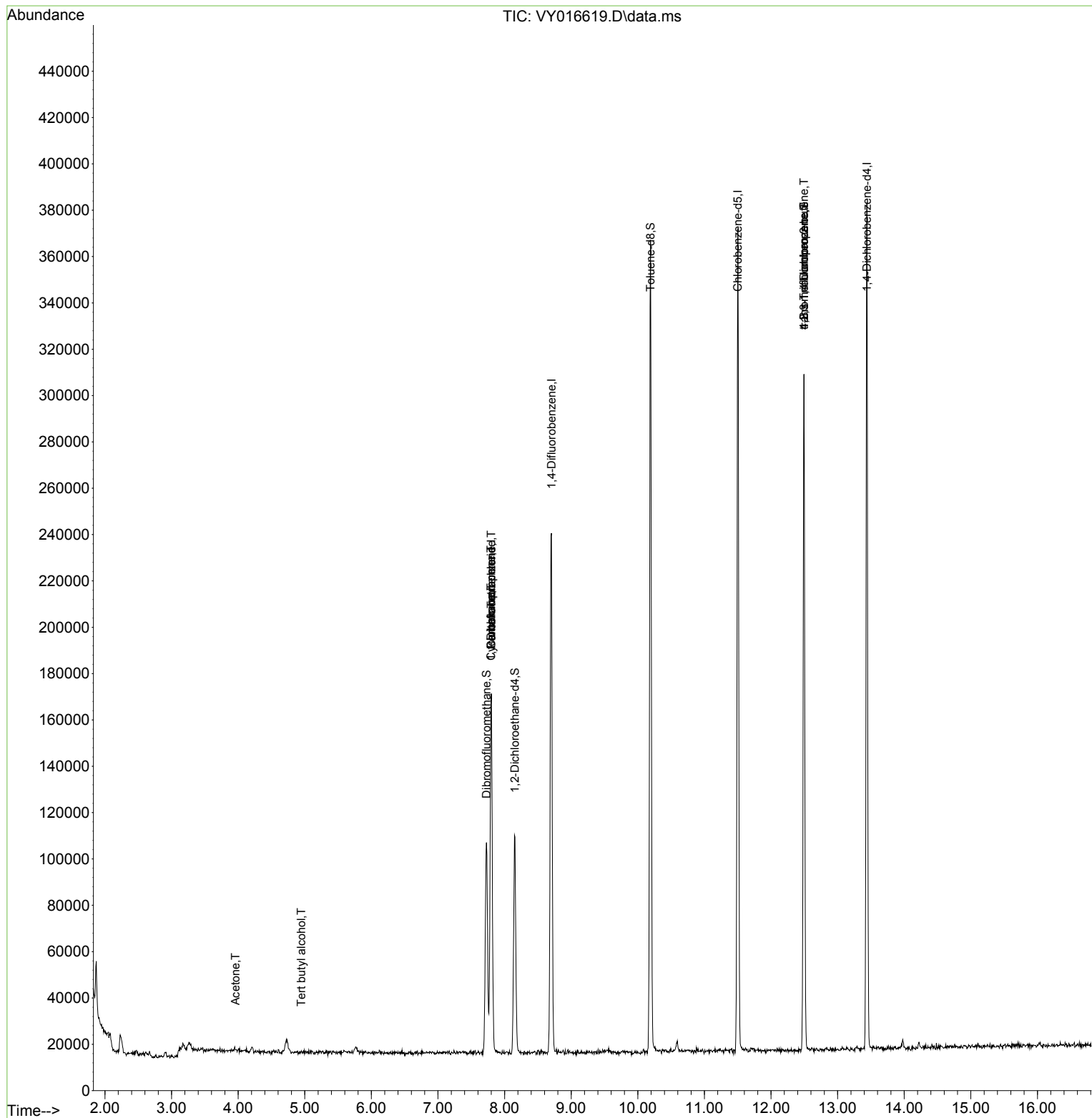
Internal Standards						
1) Pentafluorobenzene	7.801	168	124923	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	202318	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	198168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	98156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	79827	69.137	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.280%	
35) Dibromofluoromethane	7.728	113	63850	52.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.880%	
50) Toluene-d8	10.191	98	236088	51.263	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.520%	
62) 4-Bromofluorobenzene	12.495	95	84327	55.679	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.360%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	212	2.695	ug/l #	89
16) Acetone	3.960	43	2082	7.968	ug/l	94
31) Cyclohexane	7.795	56	2329	1.182	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8216	4.439	ug/l #	52
38) Carbon Tetrachloride	7.801	117	11976	5.589	ug/l #	17
76) 1,2,3-Trichloropropane	12.495	75	45257	51.041	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	45257	115.140	ug/l #	10
95) Naphthalene	15.251	128	544	Below Cal	#	73

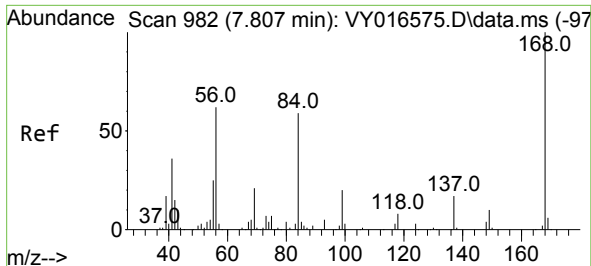
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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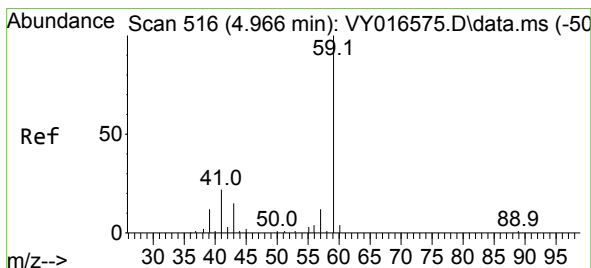
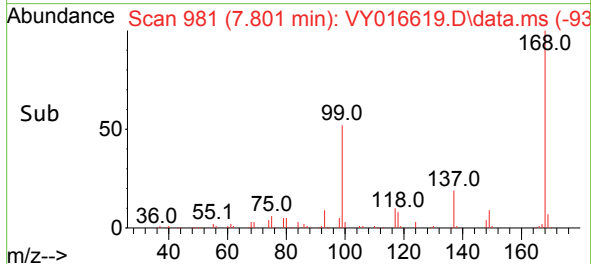
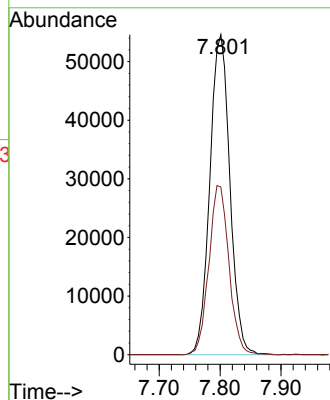
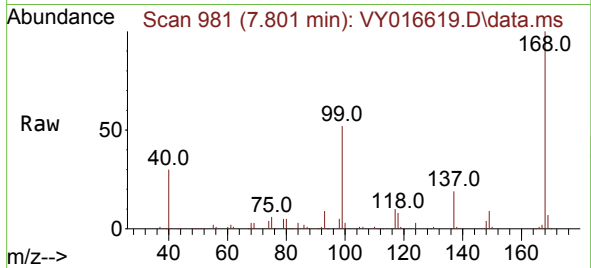




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016619.D
Acq: 06 Dec 2023 16:31

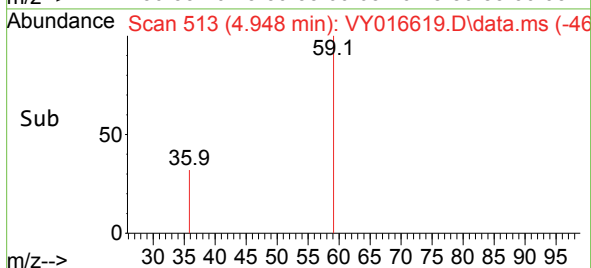
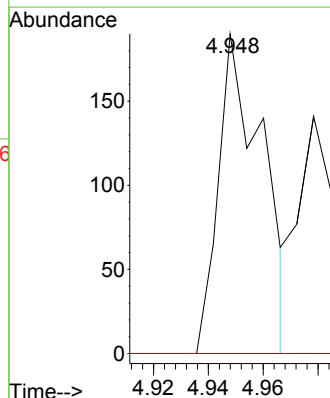
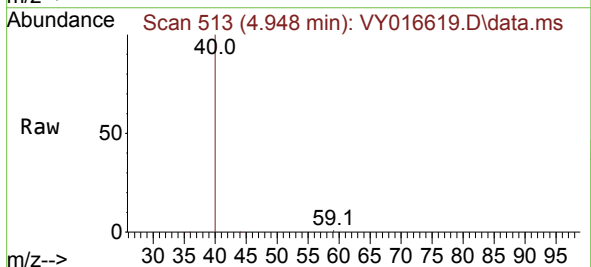
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-07RE

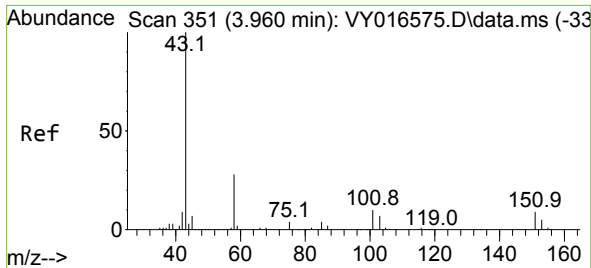
Tgt Ion:168 Resp: 124923
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.695 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY016619.D
Acq: 06 Dec 2023 16:31

Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

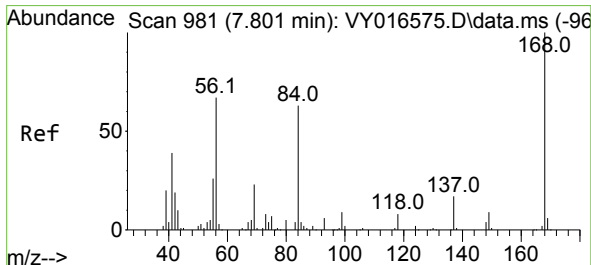
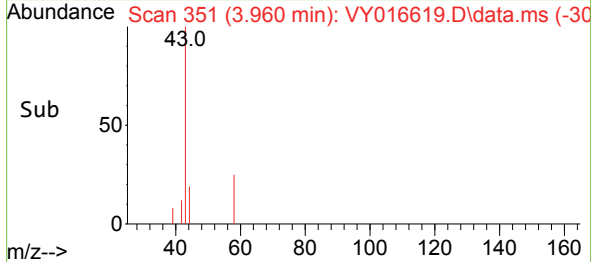
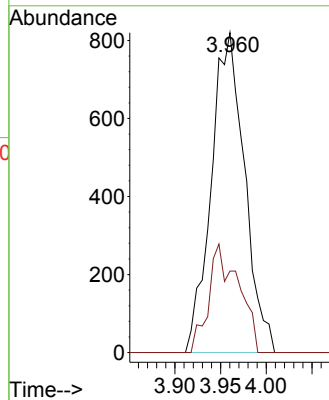
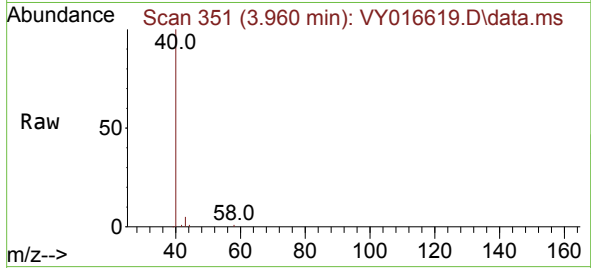




#16
Acetone
Concen: 7.968 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY016619.D
Acq: 06 Dec 2023 16:31

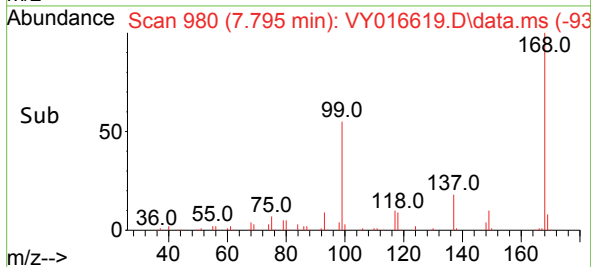
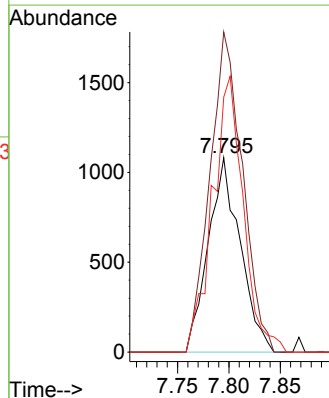
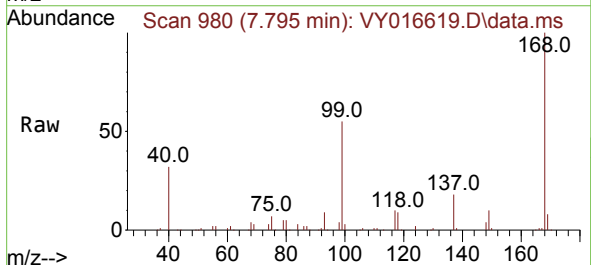
Instrument :
MSVOA_Y
ClientSampleId :
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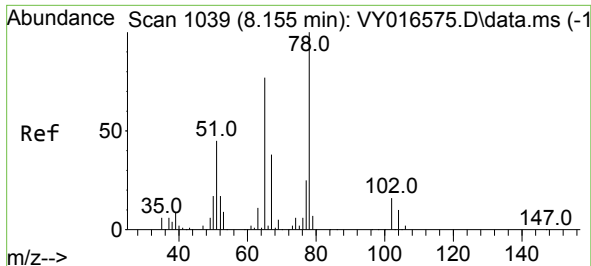
Tgt Ion: 43 Resp: 2082
Ion Ratio Lower Upper
43 100
58 25.5 22.7 34.1



#31
Cyclohexane
Concen: 1.182 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY016619.D
Acq: 06 Dec 2023 16:31

Tgt Ion: 56 Resp: 2329
Ion Ratio Lower Upper
56 100
69 164.7 27.8 41.6#
84 131.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 69.137 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016619.D

Acq: 06 Dec 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

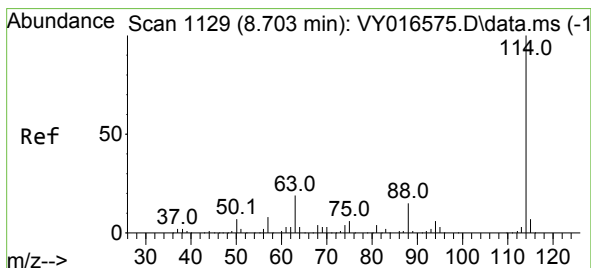
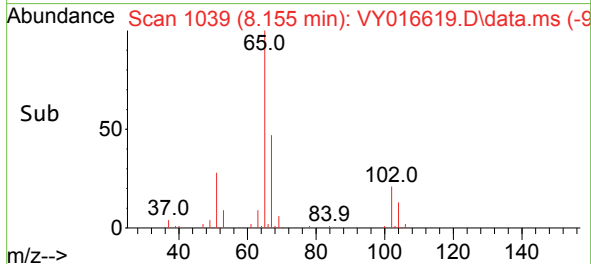
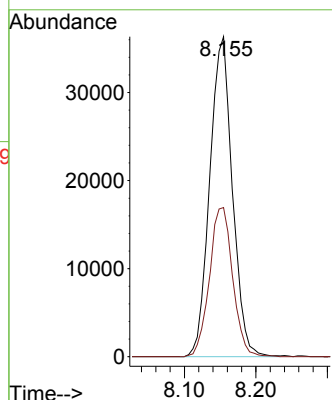
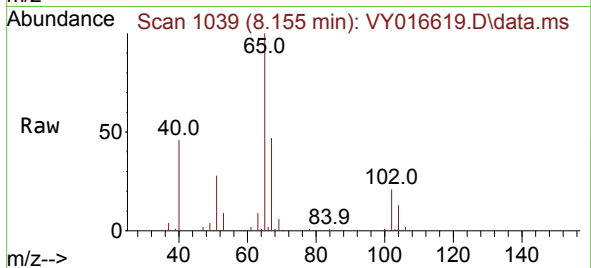
LKWD-BACKFILL-07RE

Tgt Ion: 65 Resp: 79827

Ion Ratio Lower Upper

65 100

67 47.9 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: VY016619.D

Acq: 06 Dec 2023 16:31

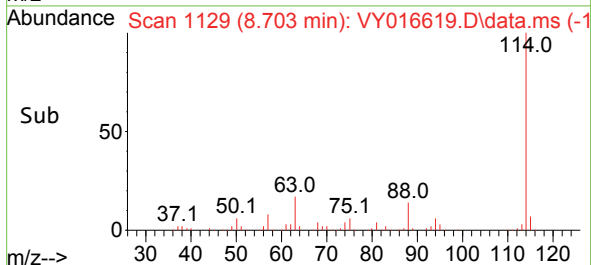
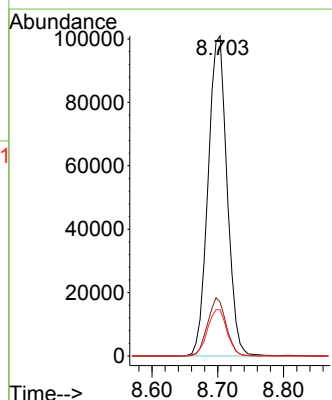
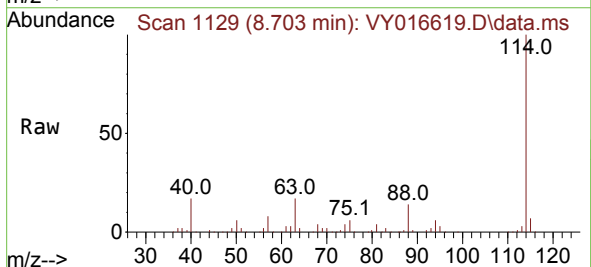
Tgt Ion: 114 Resp: 202318

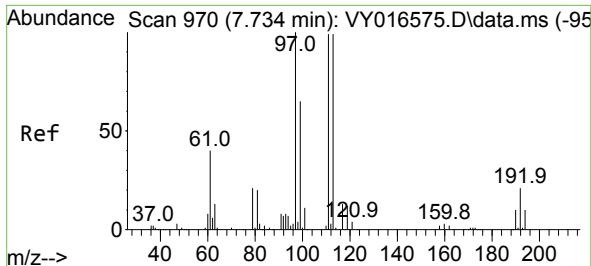
Ion Ratio Lower Upper

114 100

63 16.9 0.0 42.4

88 14.5 0.0 30.6

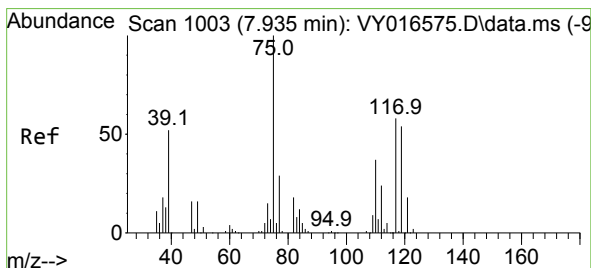
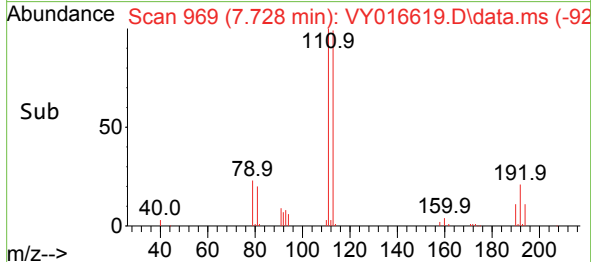
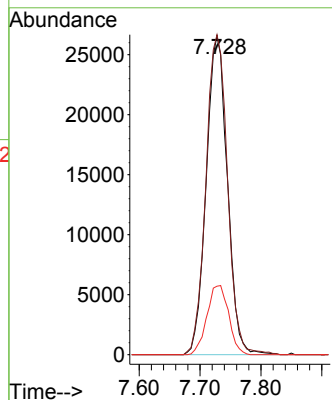
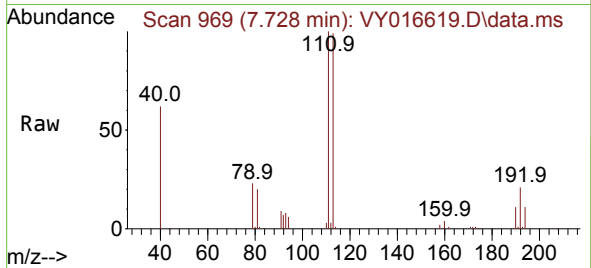




#35
Dibromofluoromethane
Concen: 52.441 ug/l
RT: 7.728 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY016619.D
Acq: 06 Dec 2023 16:31

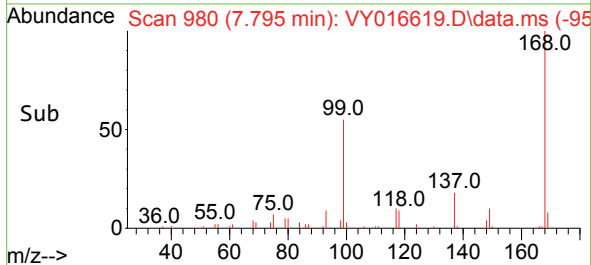
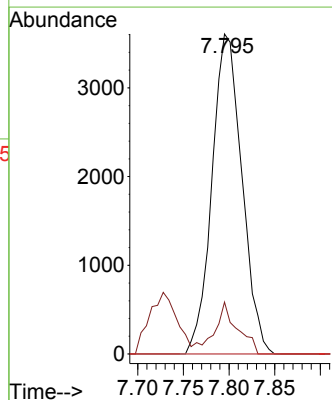
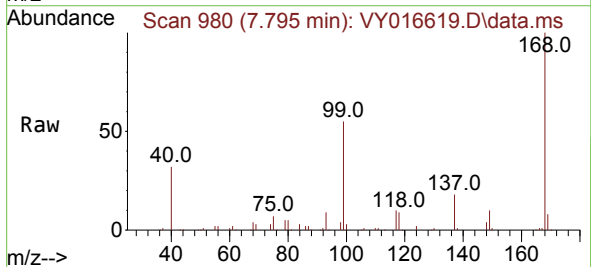
Instrument :
MSVOA_Y
ClientSampleId :
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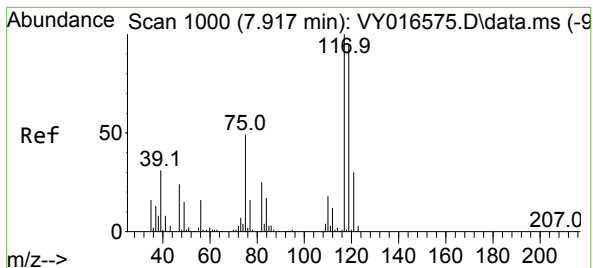
Tgt Ion:113 Resp: 63850
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 22.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.439 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.140 min
Lab File: VY016619.D
Acq: 06 Dec 2023 16:31

Tgt Ion: 75 Resp: 8216
Ion Ratio Lower Upper
75 100
110 11.5 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.589 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY016619.D

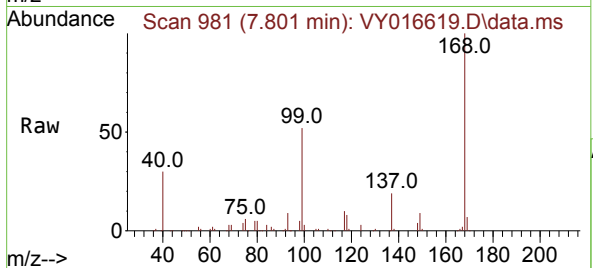
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Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-07RE



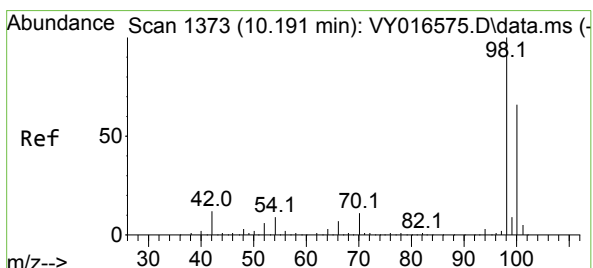
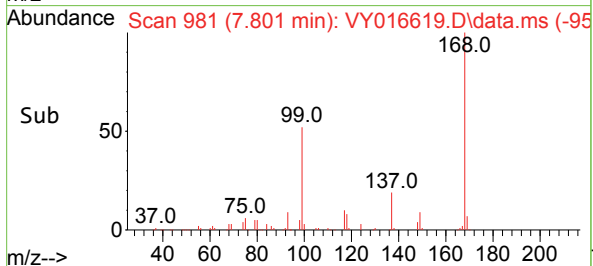
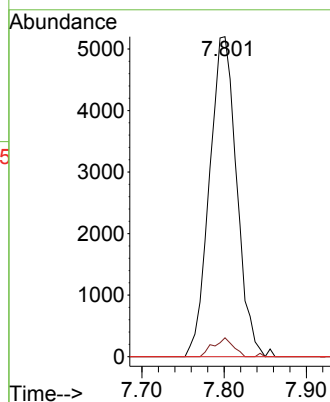
Tgt Ion:117 Resp: 11976

Ion Ratio Lower Upper

117 100

119 5.9 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 51.263 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. -0.000 min

Lab File: VY016619.D

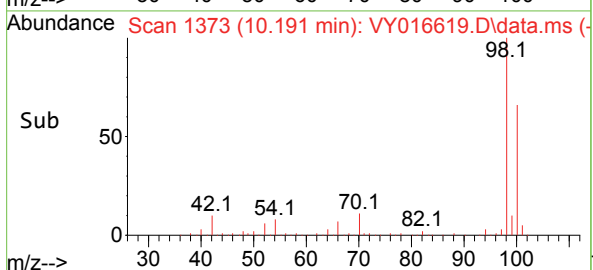
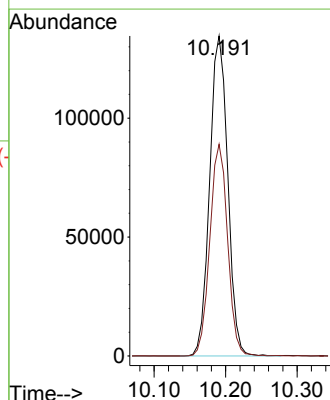
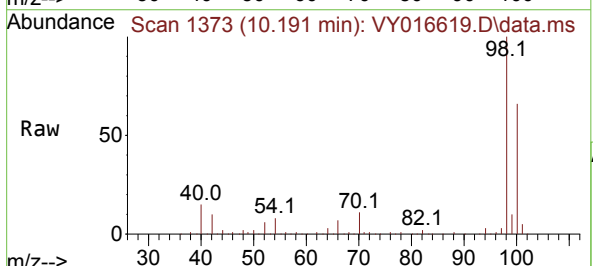
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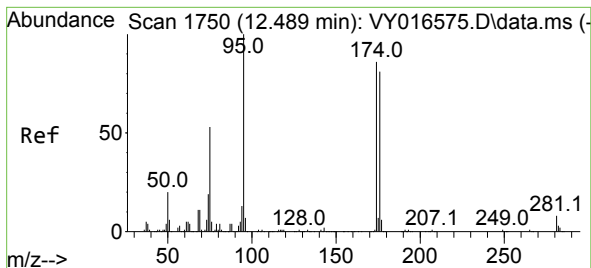
Tgt Ion: 98 Resp: 236088

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1

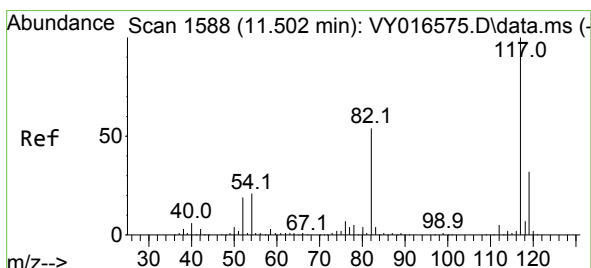
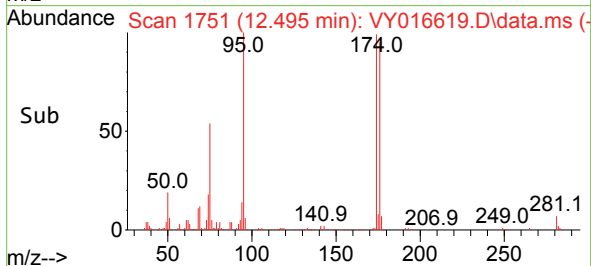
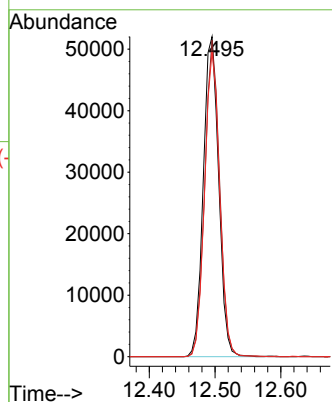
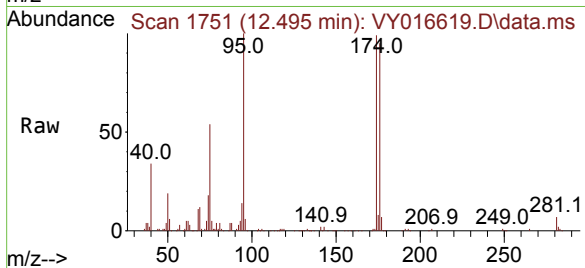




#62
4-Bromofluorobenzene
Concen: 55.679 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016619.D
Acq: 06 Dec 2023 16:31

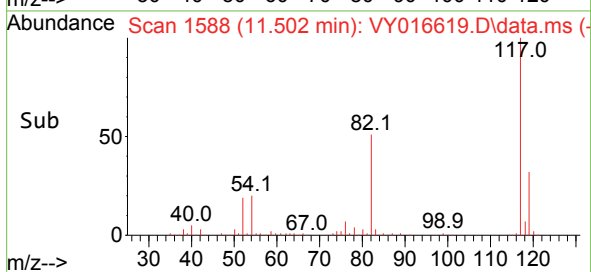
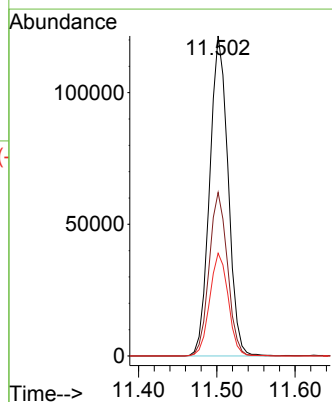
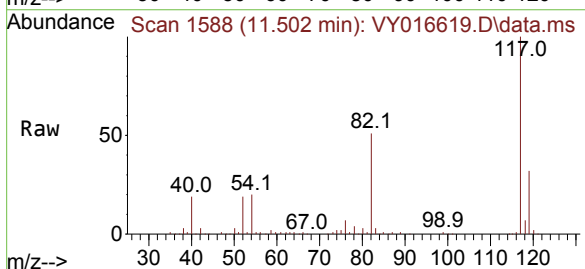
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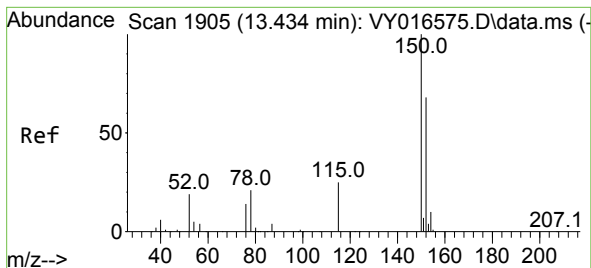
Tgt Ion: 95 Resp: 84327
Ion Ratio Lower Upper
95 100
174 95.8 0.0 178.2
176 93.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016619.D
Acq: 06 Dec 2023 16:31

Tgt Ion: 117 Resp: 198168
Ion Ratio Lower Upper
117 100
82 51.1 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# 1905

Delta R.T. 0.006 min

Lab File: VY016619.D

Acq: 06 Dec 2023 16:31

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-07RE

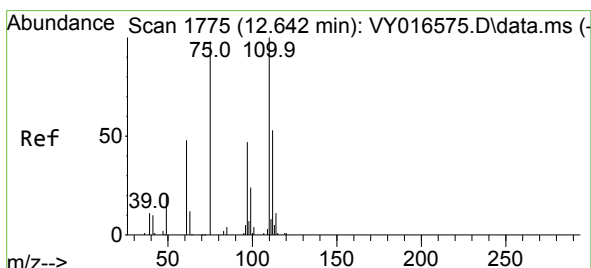
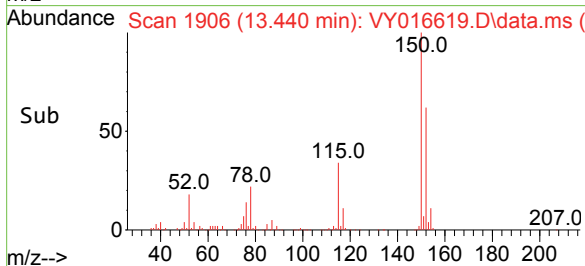
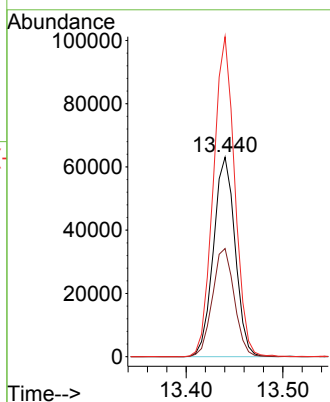
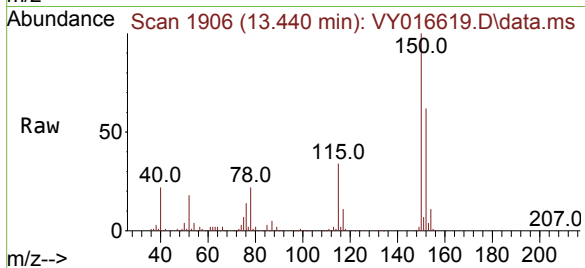
Tgt Ion:152 Resp: 98156

Ion Ratio Lower Upper

152 100

115 54.6 28.8 86.5

150 158.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 51.041 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016619.D

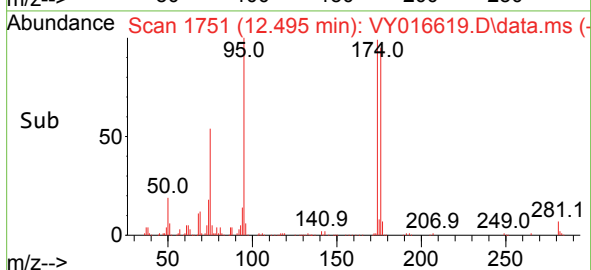
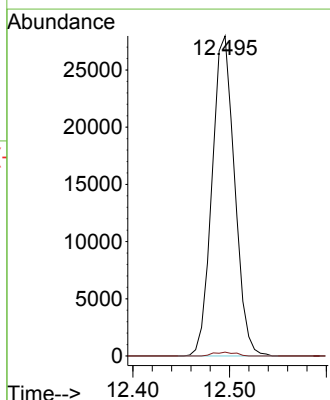
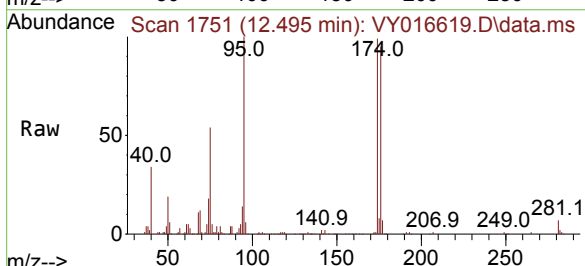
Acq: 06 Dec 2023 16:31

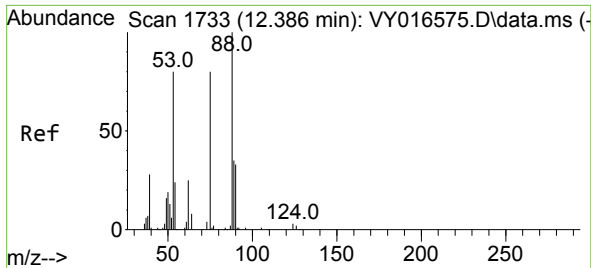
Tgt Ion: 75 Resp: 45257

Ion Ratio Lower Upper

75 100

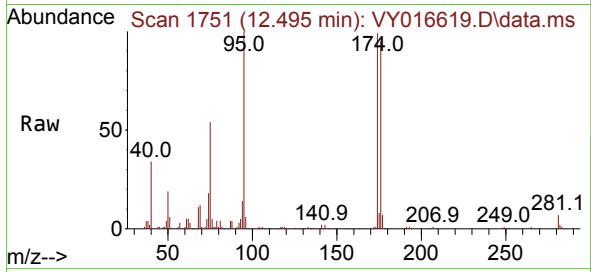
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.140 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016619.D
 Acq: 06 Dec 2023 16:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-07RE



Tgt Ion: 75 Resp: 45257
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

