

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120623\
 Data File : VY016613.D
 Acq On : 06 Dec 2023 14:10
 Operator : SY/MD
 Sample : 05599-01RE
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-01RE

Quant Time: Dec 07 00:33:13 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)

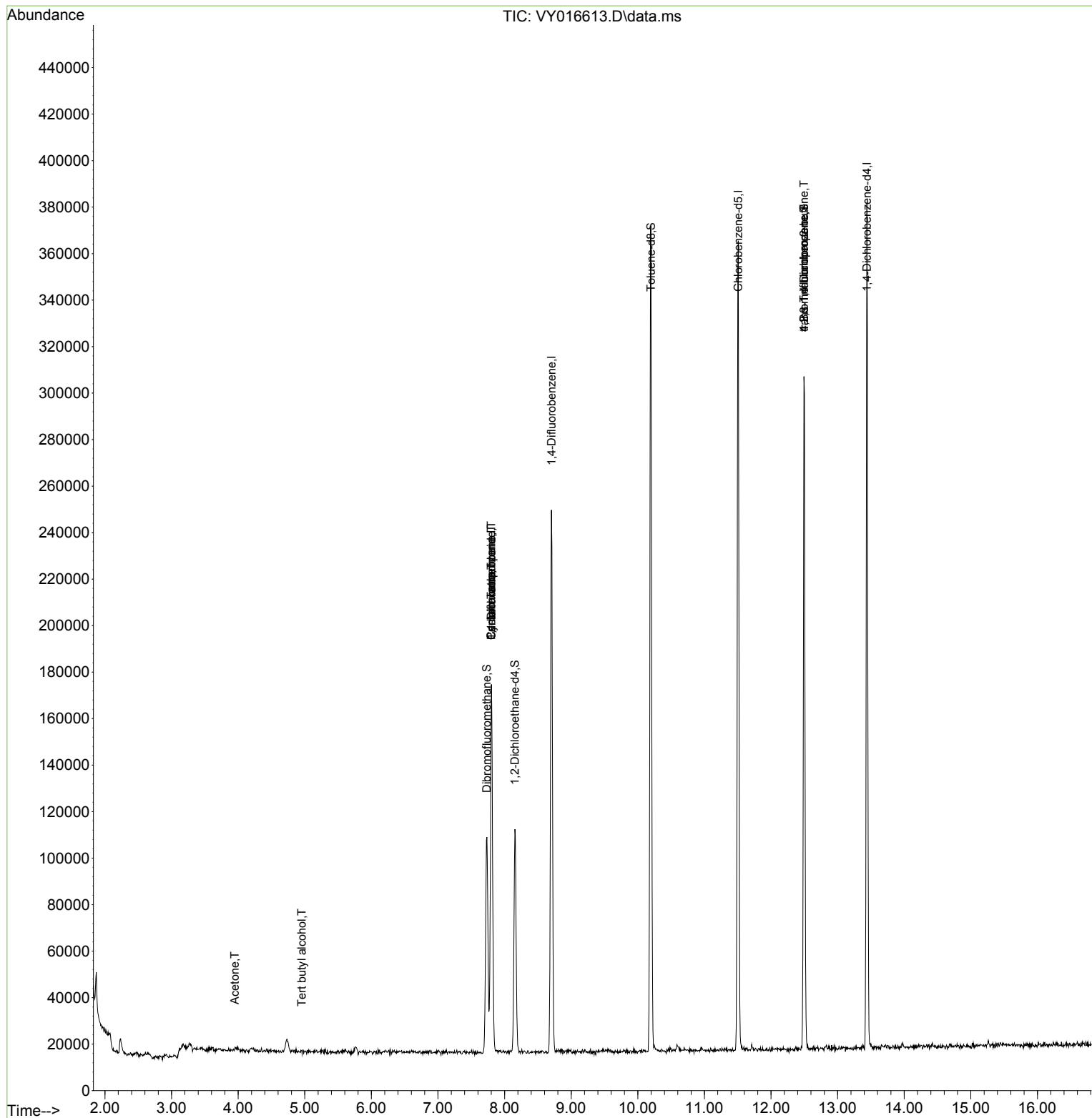
Internal Standards						
1) Pentafluorobenzene	7.801	168	126813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	207588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	202754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	94577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	81132	69.220	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 138.440%	
35) Dibromofluoromethane	7.734	113	65384	52.338	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.680%	
50) Toluene-d8	10.197	98	240754	50.949	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.900%	
62) 4-Bromofluorobenzene	12.495	95	85458	54.993	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.980%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	259	3.243	ug/l #	89
16) Acetone	3.948	43	839	3.163	ug/l #	83
20) Methylene Chloride	4.741	84	3778	Below Cal	#	83
31) Cyclohexane	7.801	56	2417	1.208	ug/l #	40
36) 1,1-Dichloropropene	7.801	75	8375	4.410	ug/l #	53
38) Carbon Tetrachloride	7.801	117	12454	5.665	ug/l #	17
76) 1,2,3-Trichloropropane	12.495	75	46020	53.866	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	46020	121.511	ug/l #	10
95) Naphthalene	15.251	128	1101	Below Cal	#	78
96) 1,2,3-Trichlorobenzene	15.440	180	214	Below Cal		66

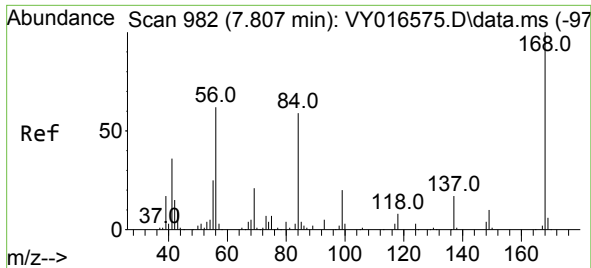
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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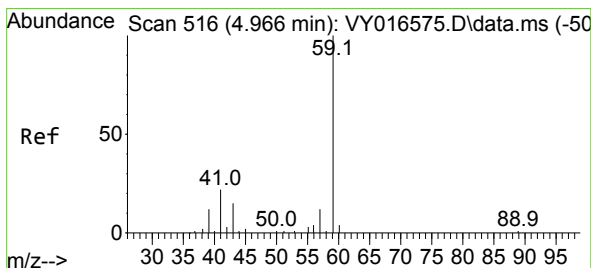
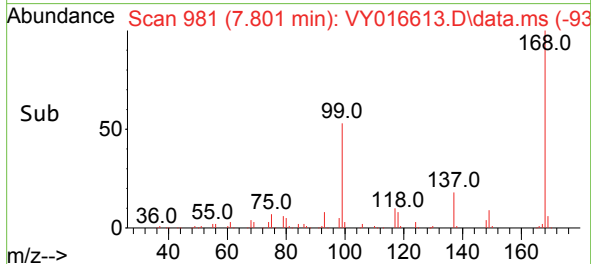
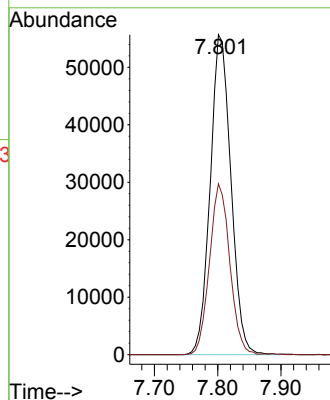
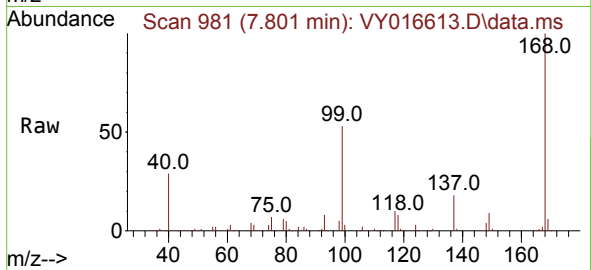




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016613.D
Acq: 06 Dec 2023 14:10

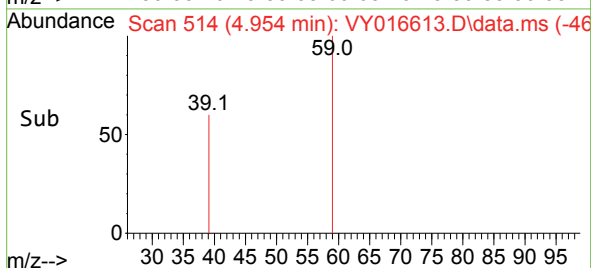
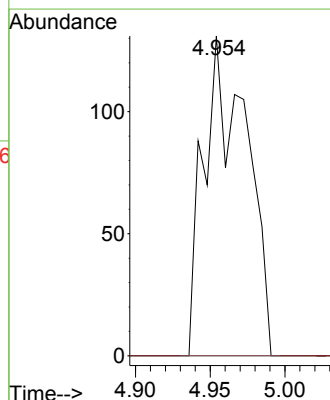
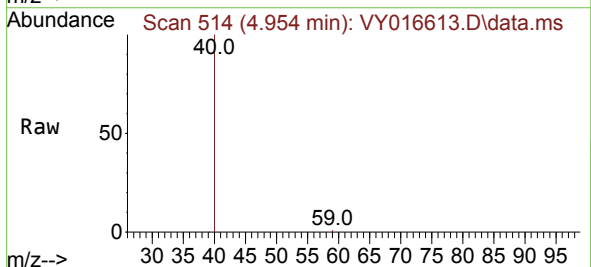
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-01RE

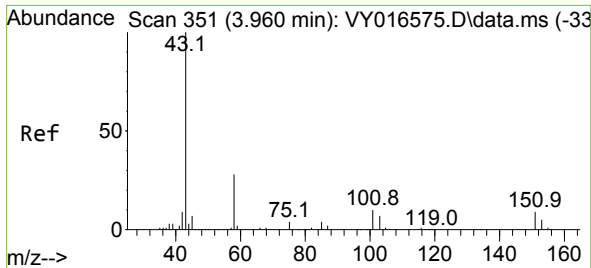
Tgt Ion:168 Resp: 126813
Ion Ratio Lower Upper
168 100
99 53.4 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.243 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY016613.D
Acq: 06 Dec 2023 14:10

Tgt Ion: 59 Resp: 259
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#16

Acetone

Concen: 3.163 ug/l

RT: 3.948 min Scan# 34

Delta R.T. -0.012 min

Lab File: VY016613.D

Acq: 06 Dec 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

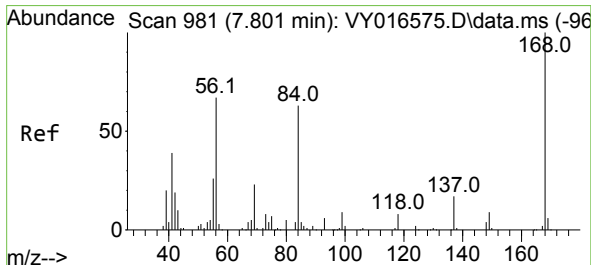
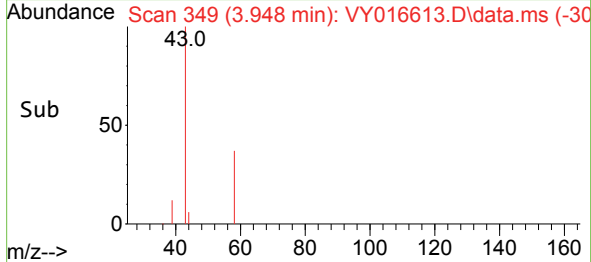
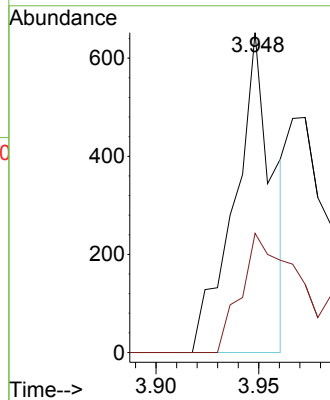
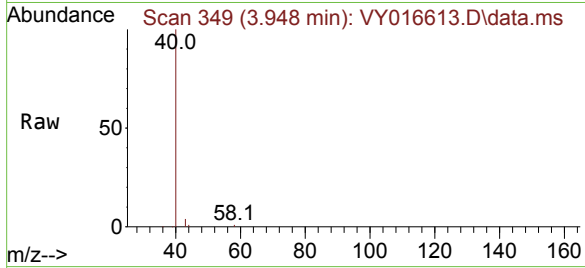
LKWD-BACKFILL-01RE

Tgt Ion: 43 Resp: 839

Ion Ratio Lower Upper

43 100

58 37.3 22.7 34.1#



#31

Cyclohexane

Concen: 1.208 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.000 min

Lab File: VY016613.D

Acq: 06 Dec 2023 14:10

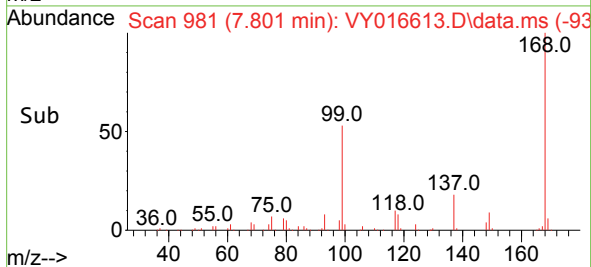
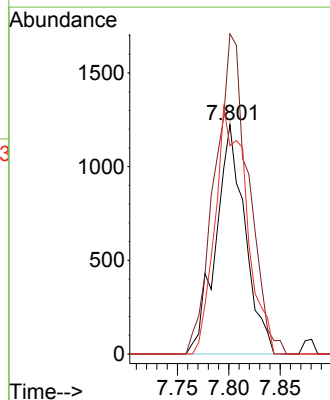
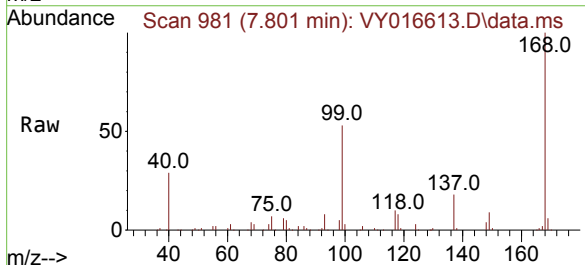
Tgt Ion: 56 Resp: 2417

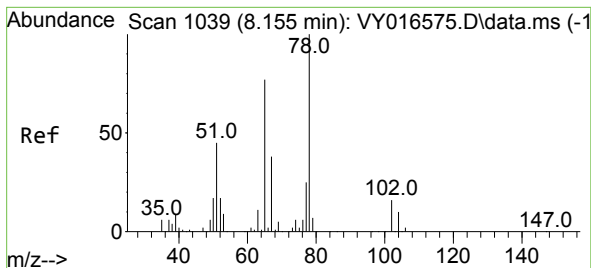
Ion Ratio Lower Upper

56 100

69 139.5 27.8 41.6#

84 90.8 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 69.220 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016613.D

Acq: 06 Dec 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

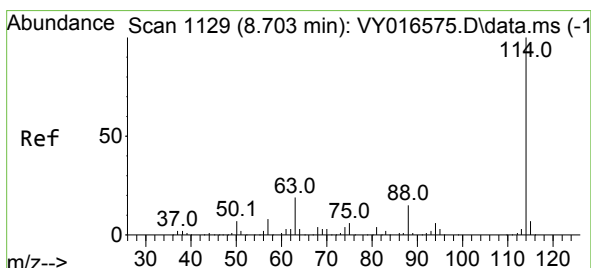
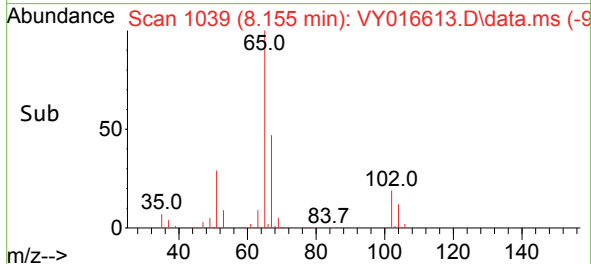
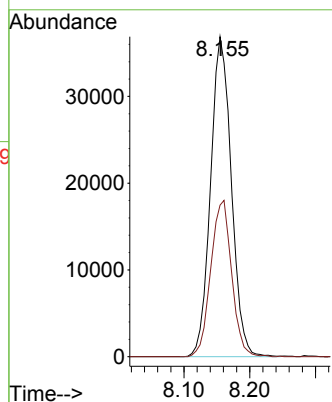
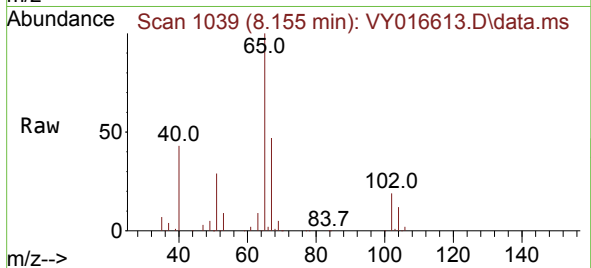
LKWD-BACKFILL-01RE

Tgt Ion: 65 Resp: 81132

Ion Ratio Lower Upper

65 100

67 49.1 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: VY016613.D

Acq: 06 Dec 2023 14:10

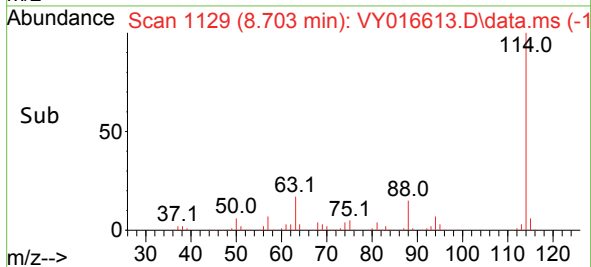
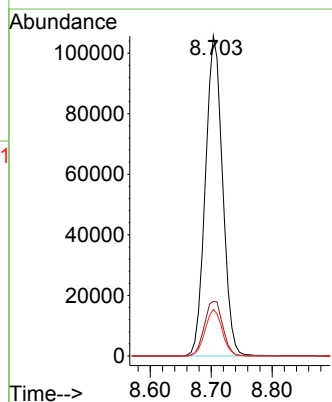
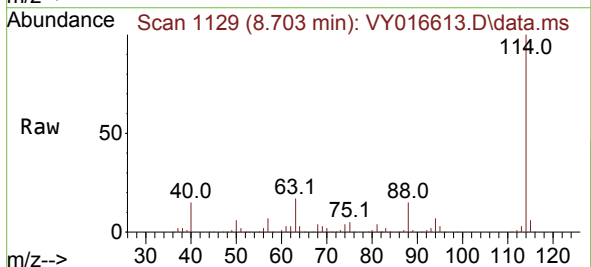
Tgt Ion: 114 Resp: 207588

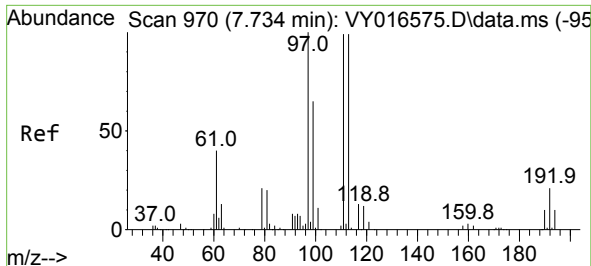
Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

88 14.6 0.0 30.6

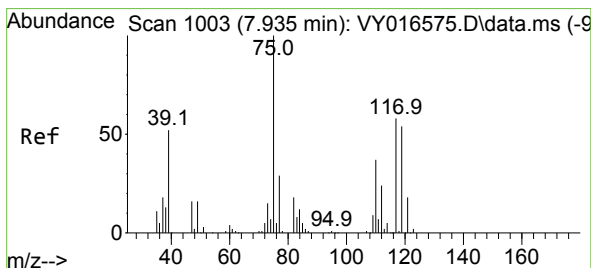
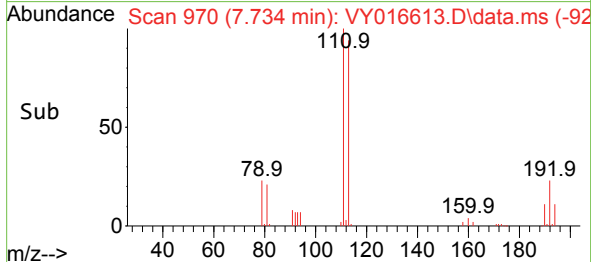
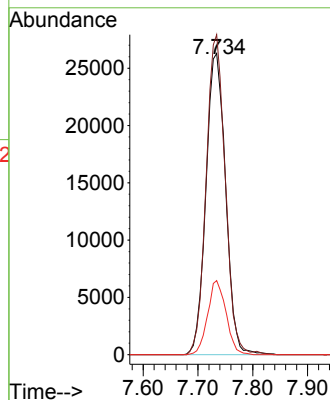
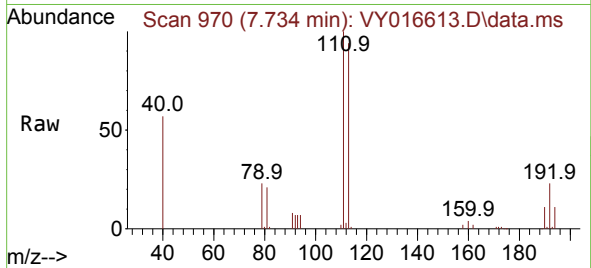




#35
Dibromofluoromethane
Concen: 52.338 ug/l
RT: 7.734 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY016613.D
Acq: 06 Dec 2023 14:10

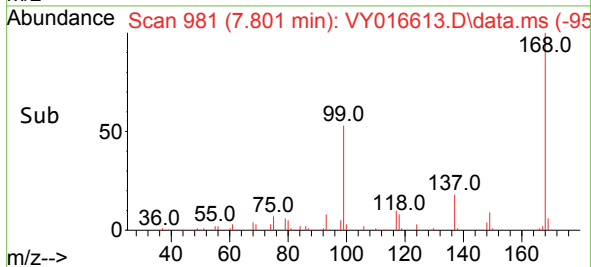
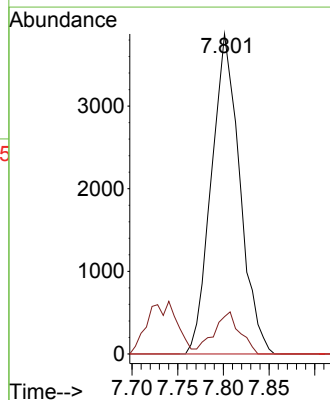
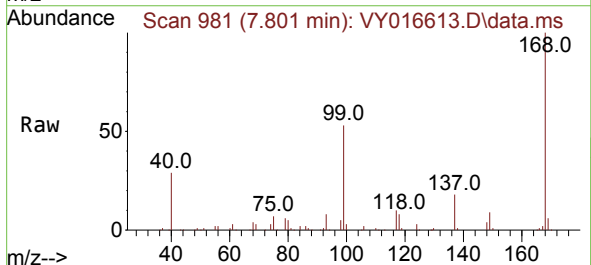
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-01RE

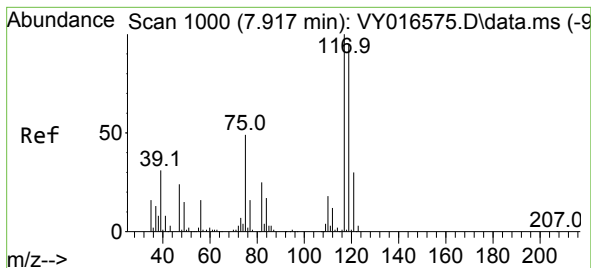
Tgt Ion:113 Resp: 65384
Ion Ratio Lower Upper
113 100
111 102.9 81.3 121.9
192 23.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.410 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY016613.D
Acq: 06 Dec 2023 14:10

Tgt Ion: 75 Resp: 8375
Ion Ratio Lower Upper
75 100
110 12.2 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.665 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY016613.D

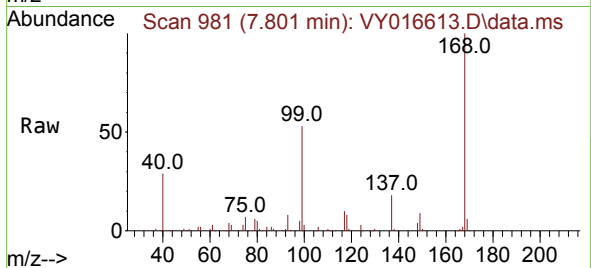
Acq: 06 Dec 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-01RE



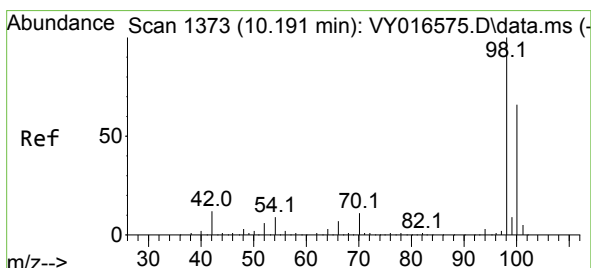
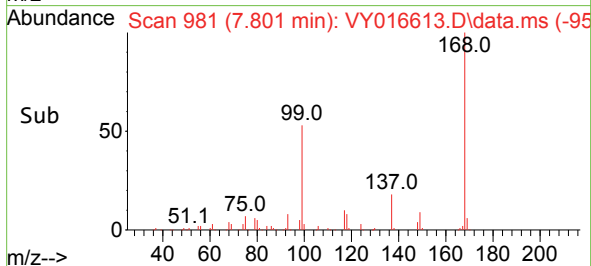
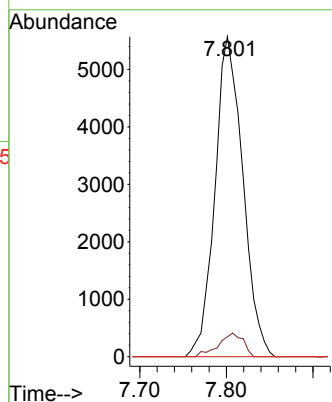
Tgt Ion:117 Resp: 12454

Ion Ratio Lower Upper

117 100

119 6.2 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 50.949 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY016613.D

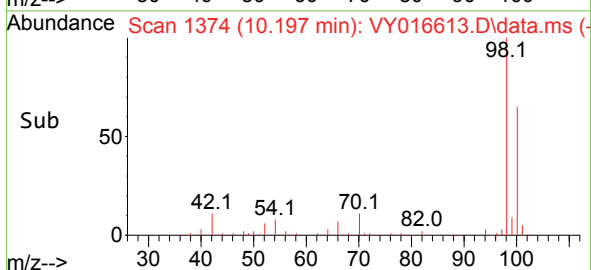
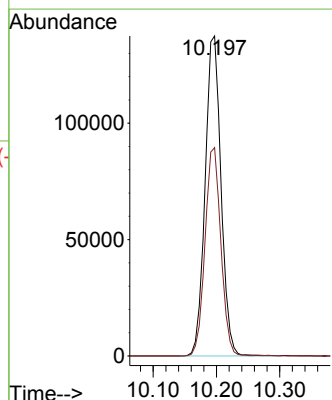
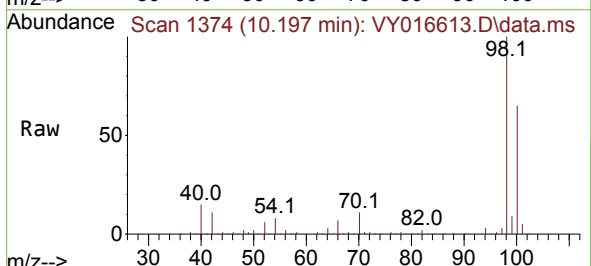
Acq: 06 Dec 2023 14:10

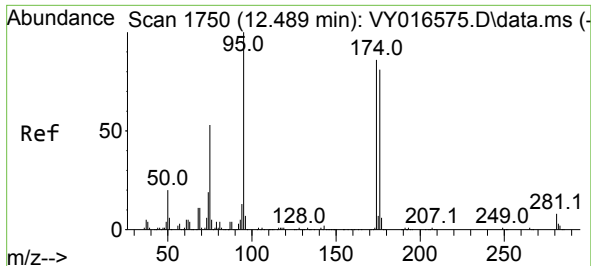
Tgt Ion: 98 Resp: 240754

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1

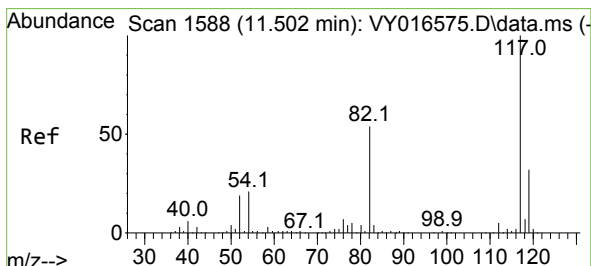
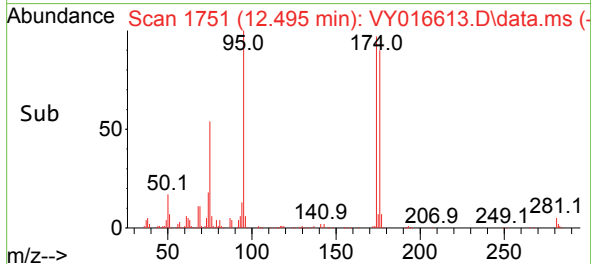
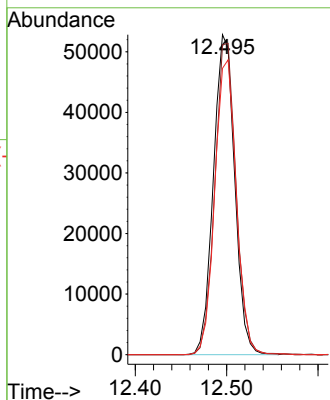
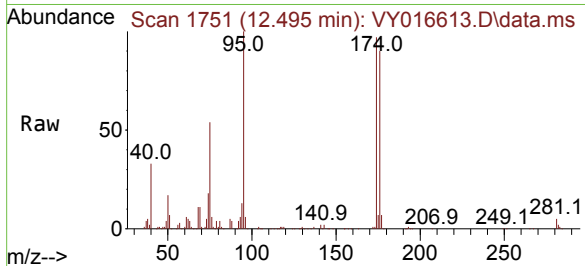




#62
4-Bromofluorobenzene
Concen: 54.993 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016613.D
Acq: 06 Dec 2023 14:10

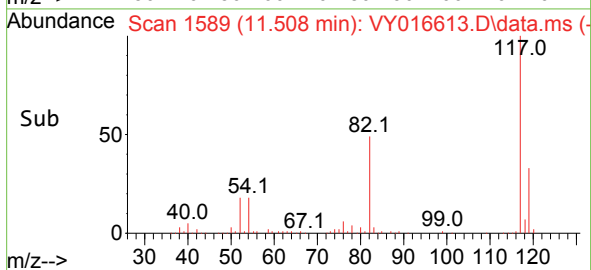
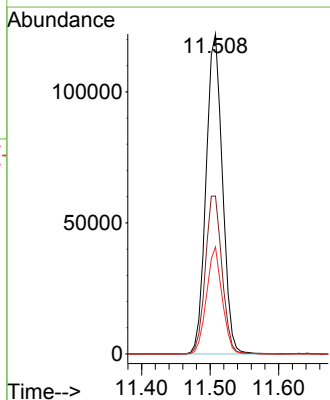
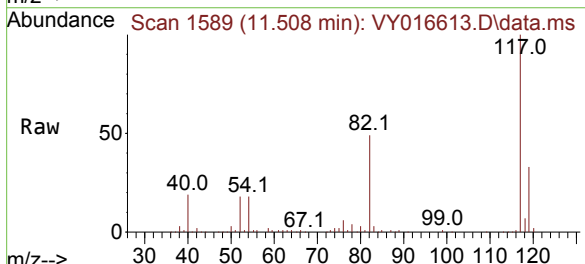
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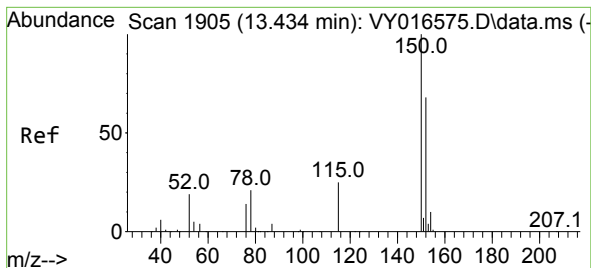
Tgt Ion: 95 Resp: 85458
Ion Ratio Lower Upper
95 100
174 97.3 0.0 178.2
176 93.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 1589
Delta R.T. 0.006 min
Lab File: VY016613.D
Acq: 06 Dec 2023 14:10

Tgt Ion: 117 Resp: 202754
Ion Ratio Lower Upper
117 100
82 49.4 43.4 65.0
119 33.5 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: VY016613.D

Acq: 06 Dec 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-01RE

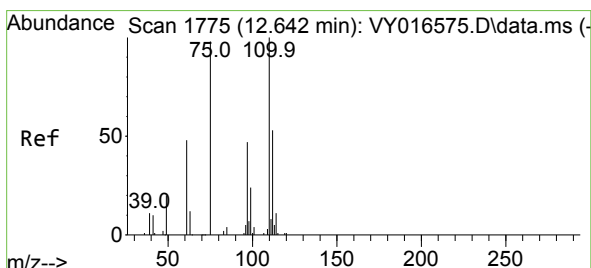
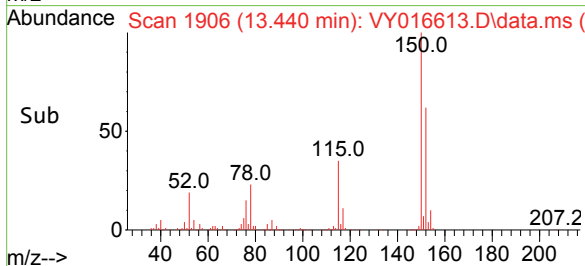
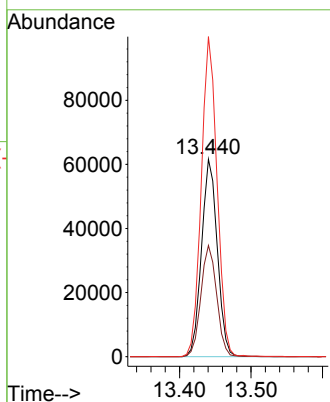
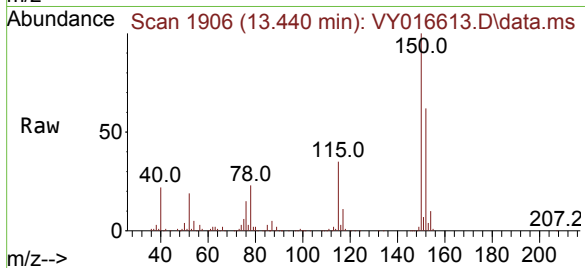
Tgt Ion:152 Resp: 94577

Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 161.8 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 53.866 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016613.D

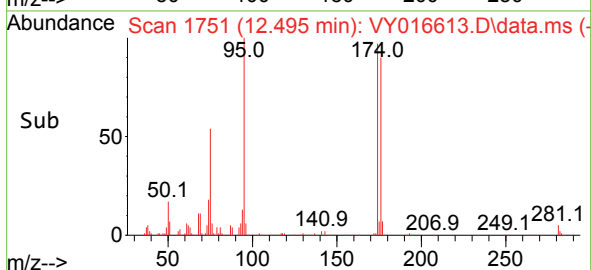
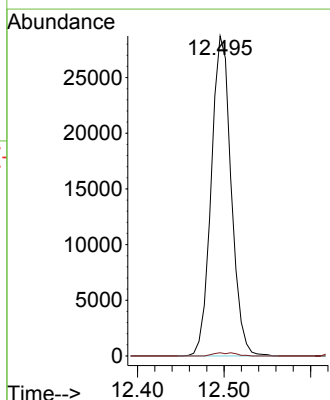
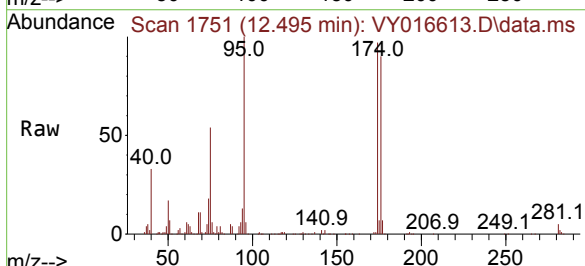
Acq: 06 Dec 2023 14:10

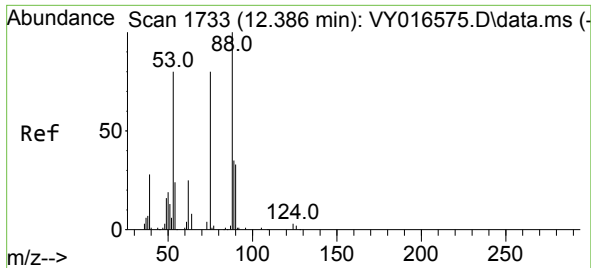
Tgt Ion: 75 Resp: 46020

Ion Ratio Lower Upper

75 100

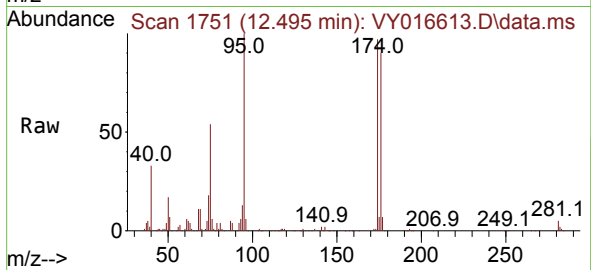
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.511 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016613.D
 Acq: 06 Dec 2023 14:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-01RE



Tgt Ion: 75 Resp: 46020
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

