

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120623\
 Data File : VY016616.D
 Acq On : 06 Dec 2023 15:20
 Operator : SY/MD
 Sample : 05599-07RE
 Misc : 4.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-04RE

Quant Time: Dec 07 00:34:18 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)

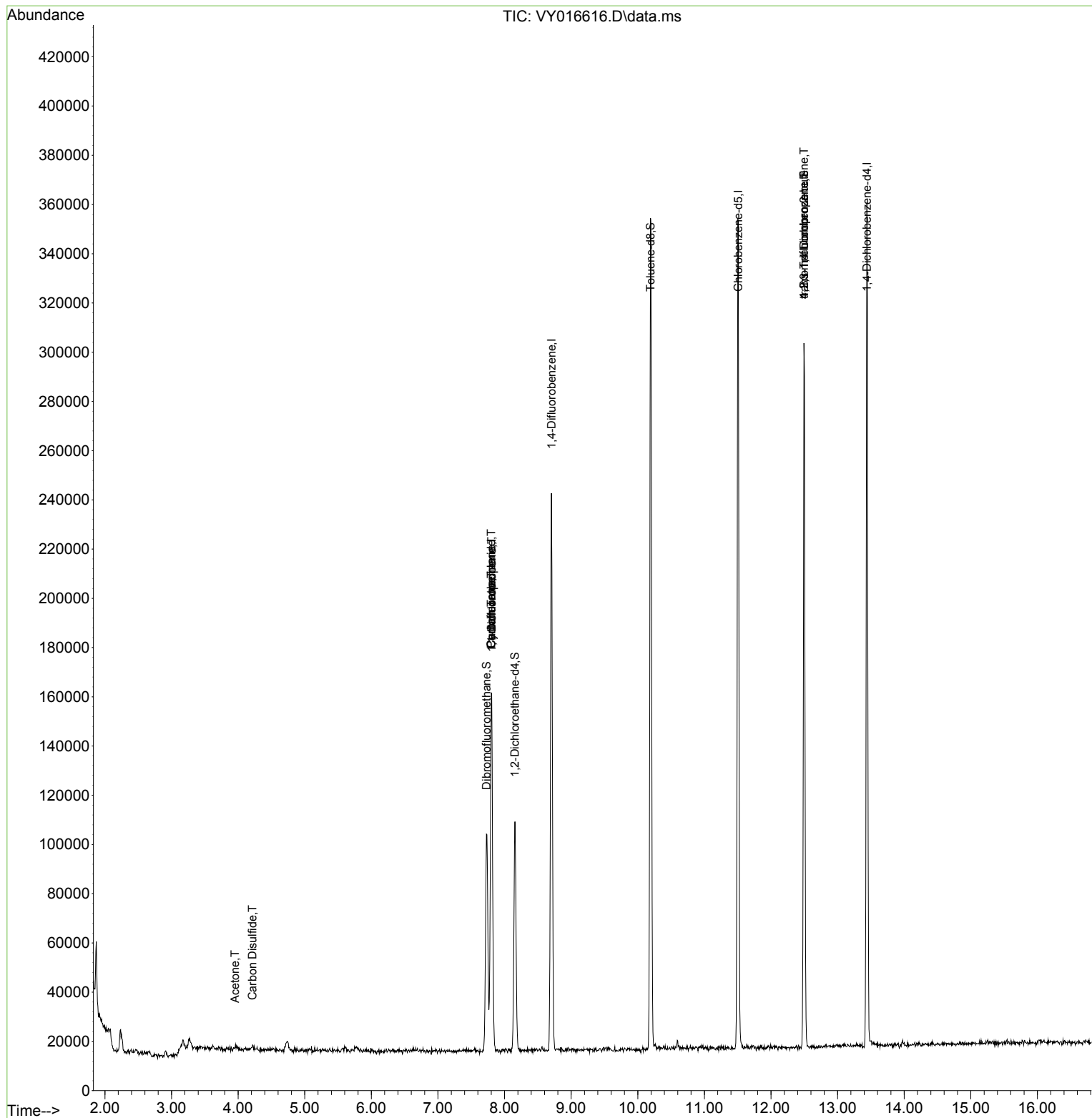
Internal Standards						
1) Pentafluorobenzene	7.801	168	119390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	195412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	194944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.441	152	93429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	77512	70.243	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.480%	
35) Dibromofluoromethane	7.728	113	63018	53.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.180%	
50) Toluene-d8	10.191	98	227756	51.201	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.400%	
62) 4-Bromofluorobenzene	12.496	95	81056	55.411	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.820%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	1989	7.965	ug/l	90
17) Carbon Disulfide	4.217	76	3383	1.137	ug/l #	95
20) Methylene Chloride	4.735	84	3078	Below Cal		93
31) Cyclohexane	7.801	56	2308	1.225	ug/l #	1
36) 1,1-Dichloropropene	7.807	75	7966	4.456	ug/l #	51
38) Carbon Tetrachloride	7.801	117	11427	5.522	ug/l #	15
76) 1,2,3-Trichloropropane	12.496	75	45397	53.790	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	45397	121.339	ug/l #	10
95) Naphthalene	15.257	128	856	Below Cal	#	78

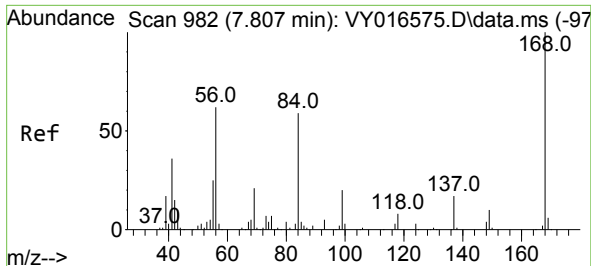
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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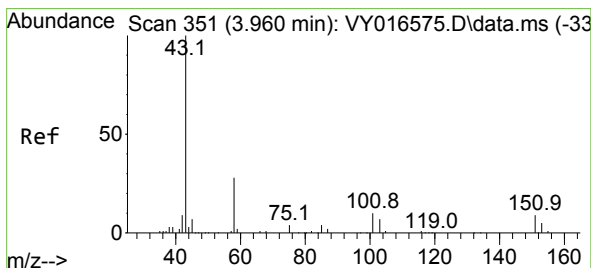
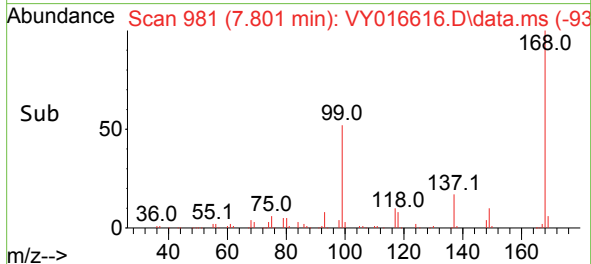
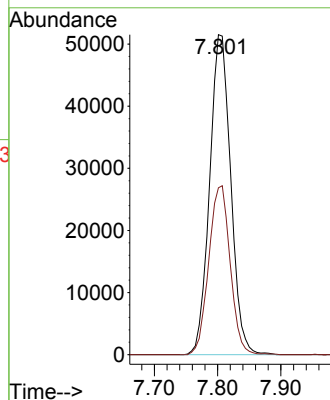
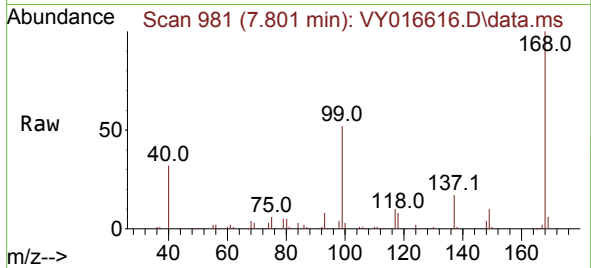




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016616.D
Acq: 06 Dec 2023 15:20

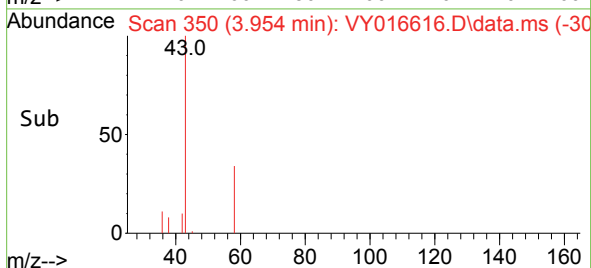
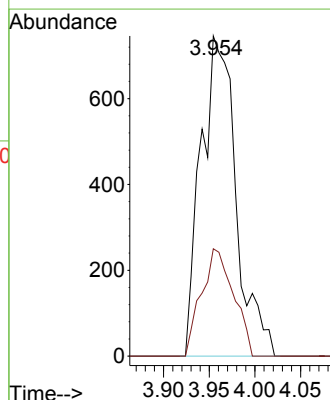
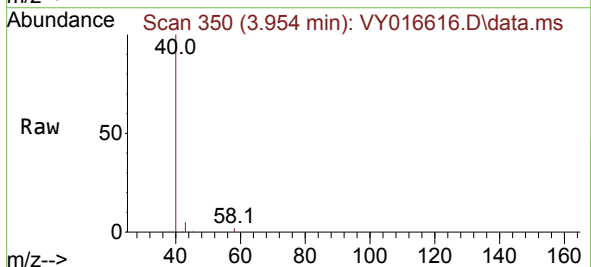
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-04RE

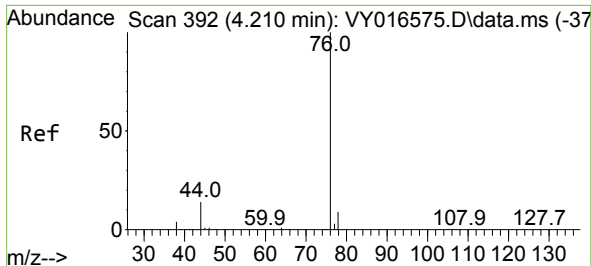
Tgt Ion:168 Resp: 119390
Ion Ratio Lower Upper
168 100
99 52.1 43.4 65.0



#16
Acetone
Concen: 7.965 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY016616.D
Acq: 06 Dec 2023 15:20

Tgt Ion: 43 Resp: 1989
Ion Ratio Lower Upper
43 100
58 33.5 22.7 34.1

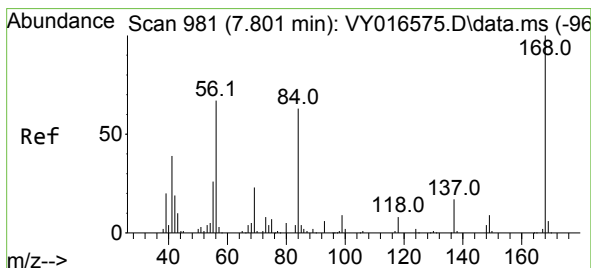
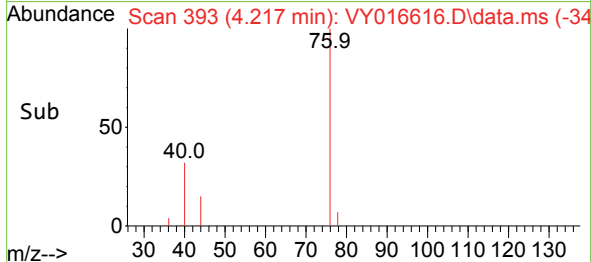
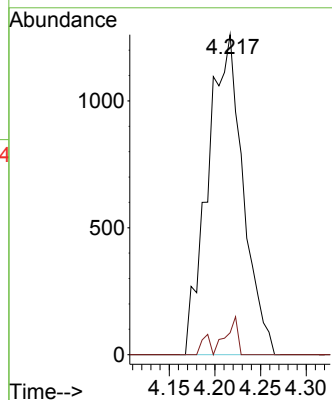
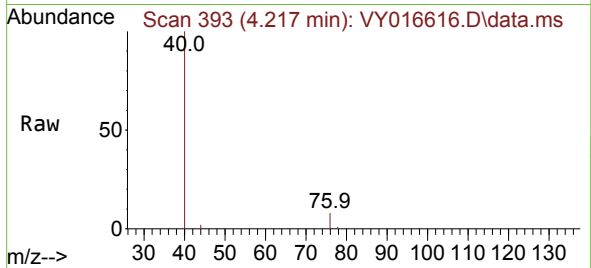




#17
Carbon Disulfide
Concen: 1.137 ug/l
RT: 4.217 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY016616.D
Acq: 06 Dec 2023 15:20

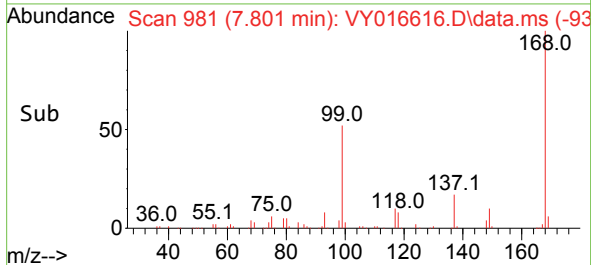
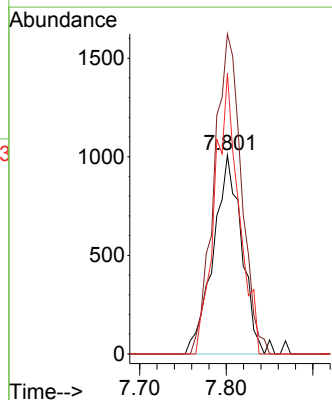
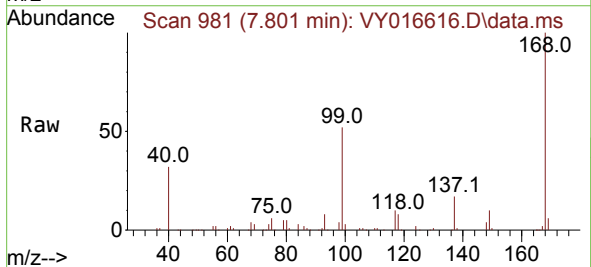
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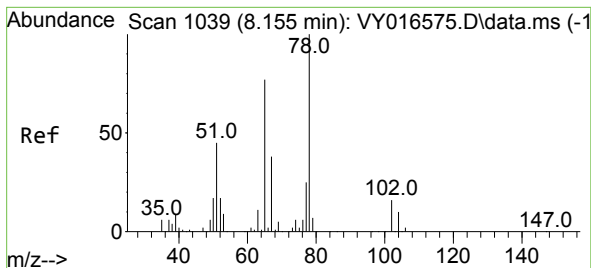
Tgt Ion: 76 Resp: 3383
Ion Ratio Lower Upper
76 100
78 6.8 7.0 10.4#



#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY016616.D
Acq: 06 Dec 2023 15:20

Tgt Ion: 56 Resp: 2308
Ion Ratio Lower Upper
56 100
69 161.0 27.8 41.6#
84 141.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 70.243 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY016616.D

Acq: 06 Dec 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

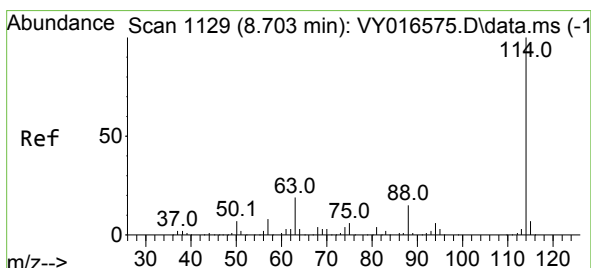
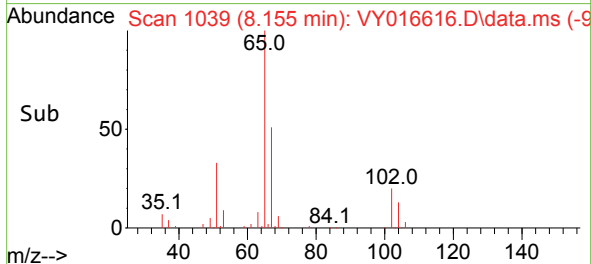
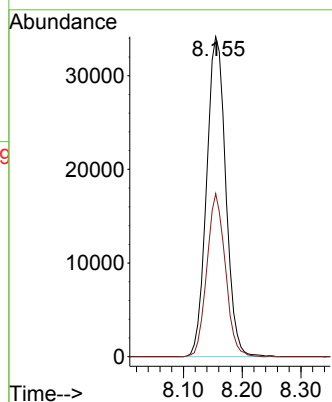
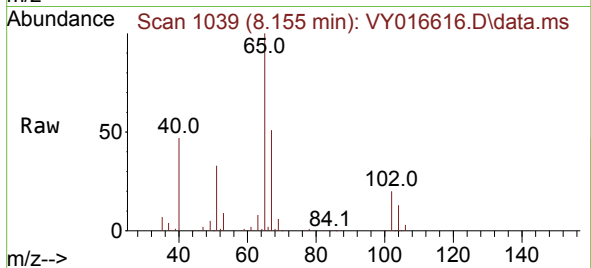
LKWD-BACKFILL-04RE

Tgt Ion: 65 Resp: 77512

Ion Ratio Lower Upper

65 100

67 49.0 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: VY016616.D

Acq: 06 Dec 2023 15:20

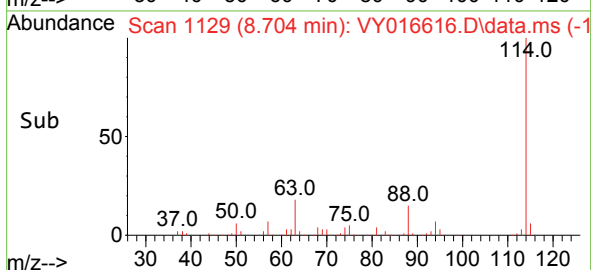
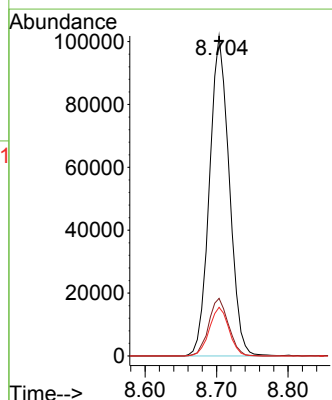
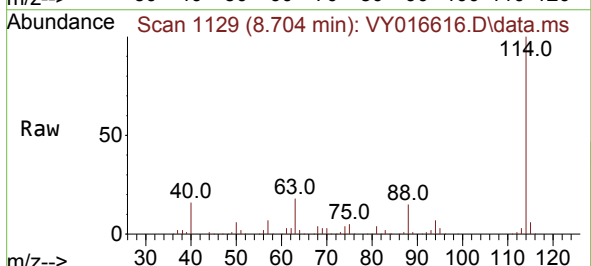
Tgt Ion: 114 Resp: 195412

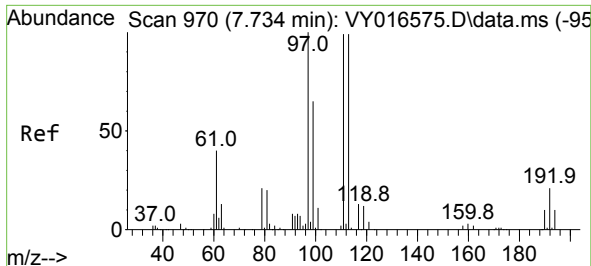
Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 15.2 0.0 30.6

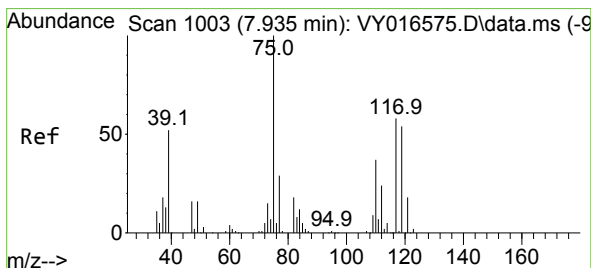
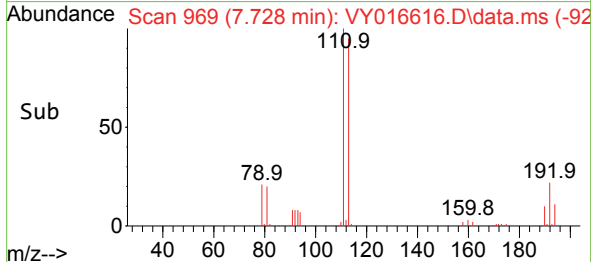
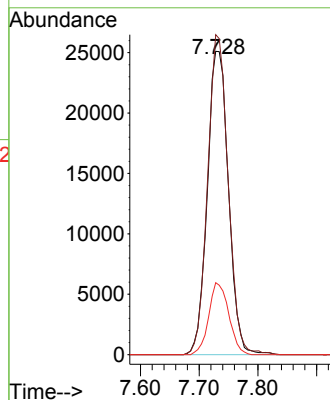
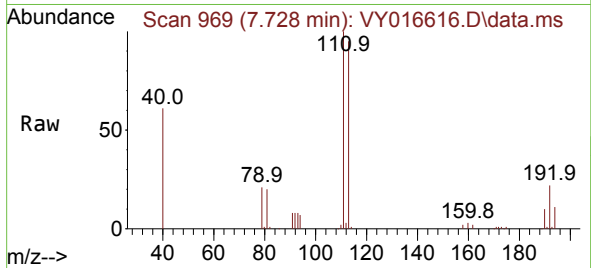




#35
Dibromofluoromethane
Concen: 53.587 ug/l
RT: 7.728 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY016616.D
Acq: 06 Dec 2023 15:20

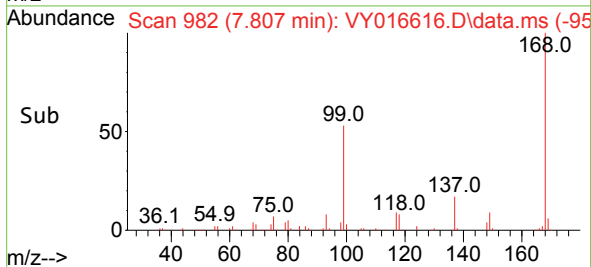
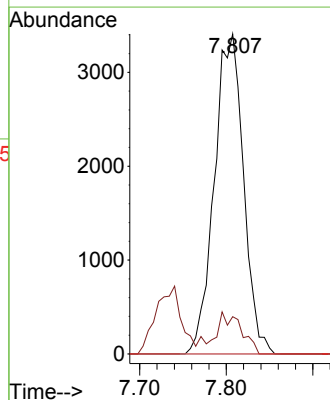
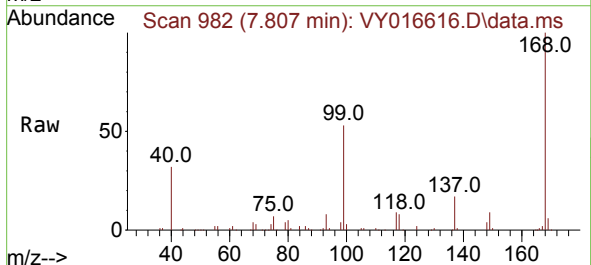
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-04RE

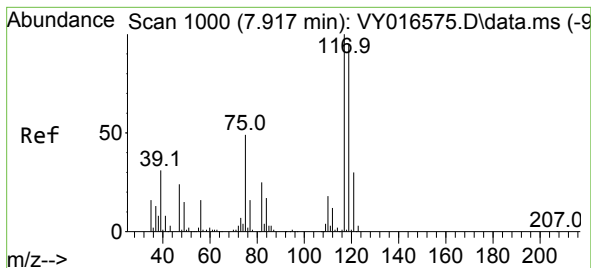
Tgt Ion:113 Resp: 63018
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 22.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.456 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY016616.D
Acq: 06 Dec 2023 15:20

Tgt Ion: 75 Resp: 7966
Ion Ratio Lower Upper
75 100
110 10.7 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.522 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY016616.D

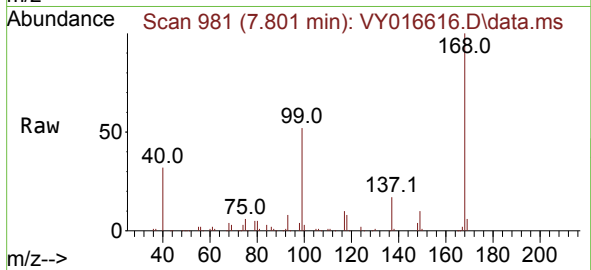
Acq: 06 Dec 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-04RE



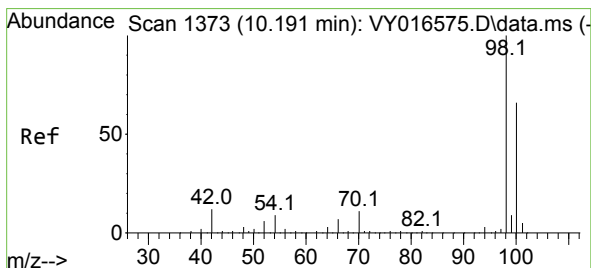
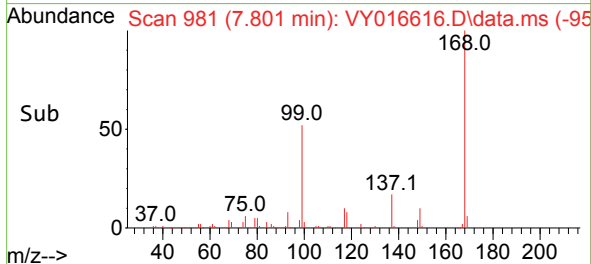
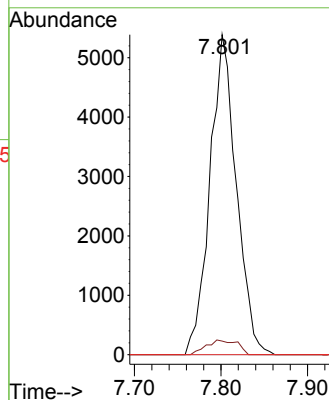
Tgt Ion:117 Resp: 11427

Ion Ratio Lower Upper

117 100

119 4.3 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 51.201 ug/l

RT: 10.191 min Scan# 1373

Delta R.T. 0.000 min

Lab File: VY016616.D

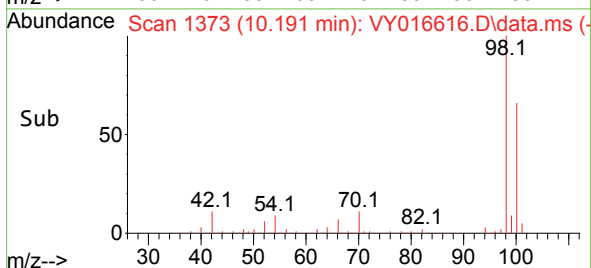
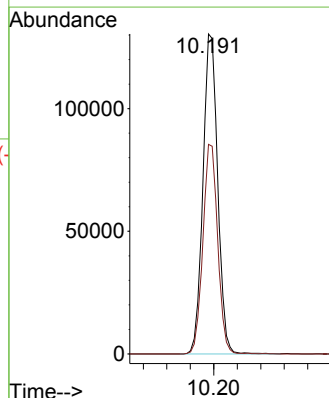
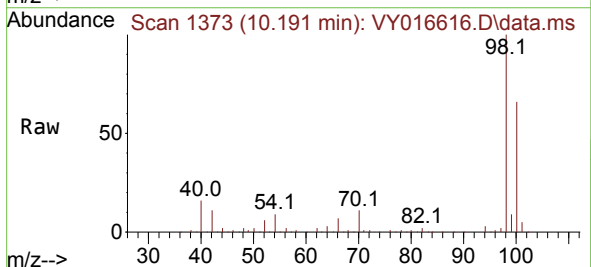
Acq: 06 Dec 2023 15:20

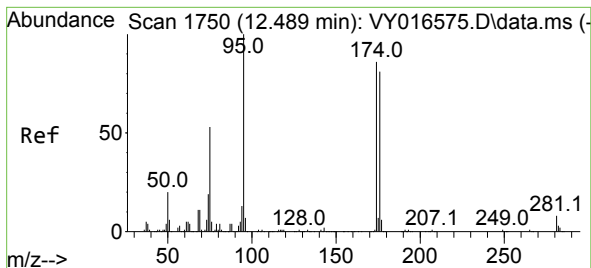
Tgt Ion: 98 Resp: 227756

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 55.411 ug/l

RT: 12.496 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016616.D

Acq: 06 Dec 2023 15:20

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-04RE

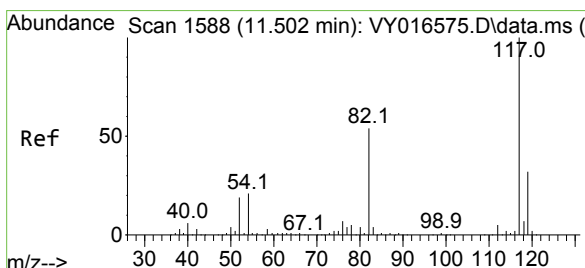
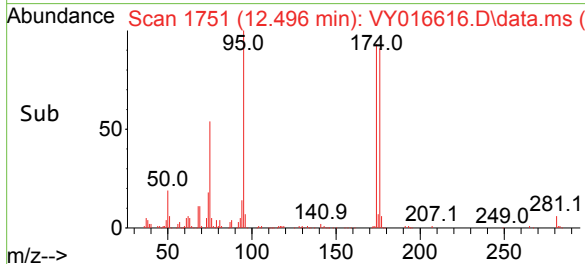
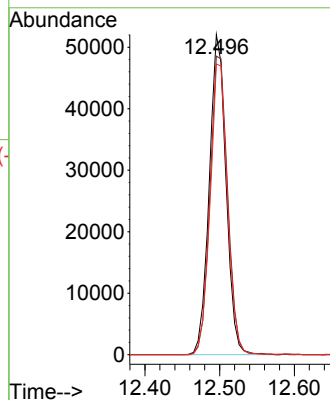
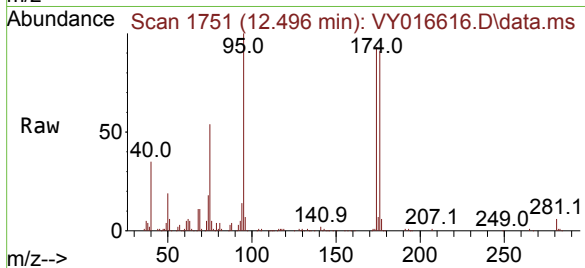
Tgt Ion: 95 Resp: 81056

Ion Ratio Lower Upper

95 100

174 98.2 0.0 178.2

176 93.8 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: VY016616.D

Acq: 06 Dec 2023 15:20

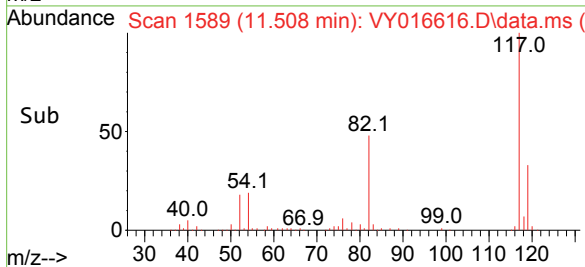
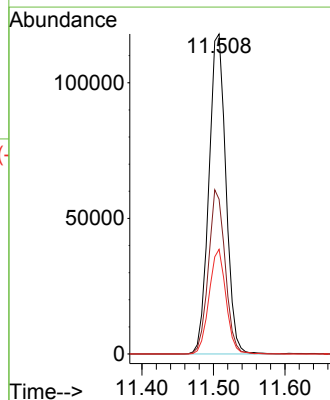
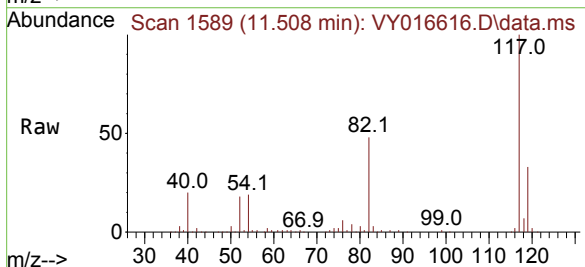
Tgt Ion: 117 Resp: 194944

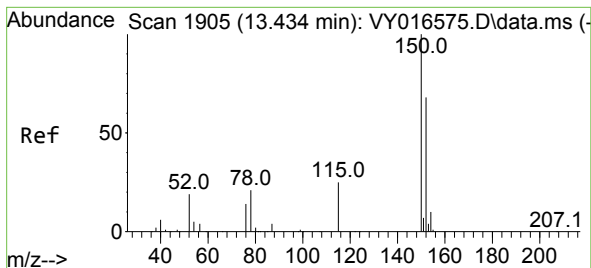
Ion Ratio Lower Upper

117 100

82 48.3 43.4 65.0

119 32.7 26.3 39.5

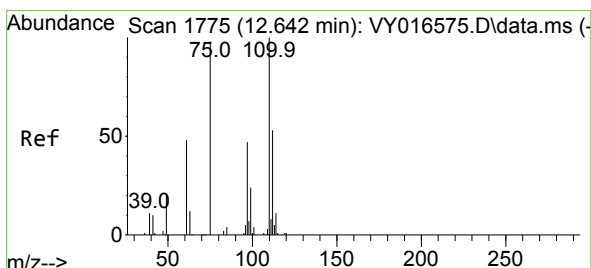
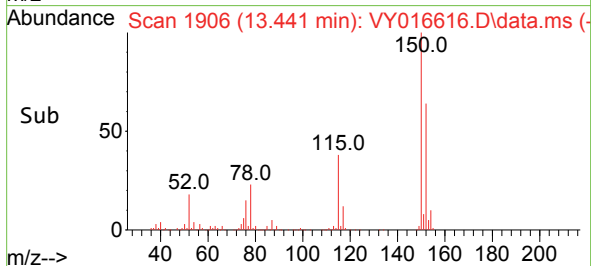
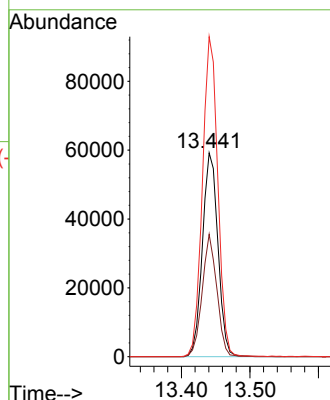
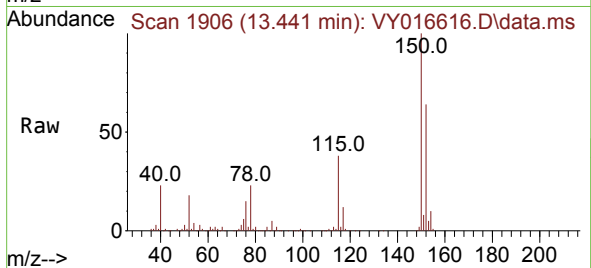




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.441 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY016616.D
 Acq: 06 Dec 2023 15:20

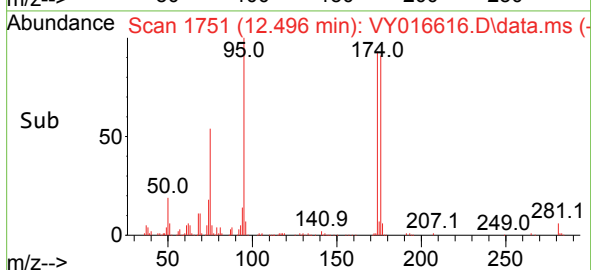
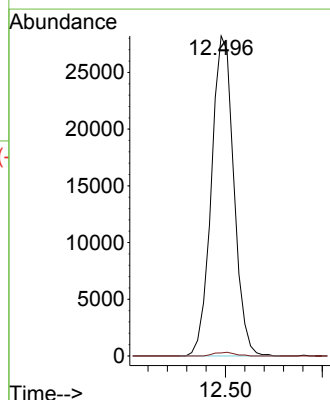
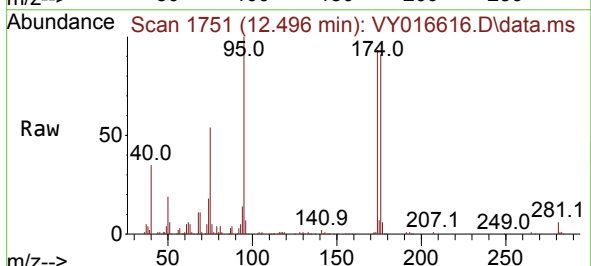
Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-04RE

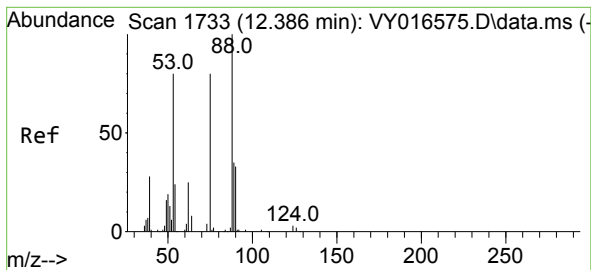
Tgt Ion:152 Resp: 93429
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.8 86.5
 150 155.6 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 53.790 ug/l
 RT: 12.496 min Scan# 1751
 Delta R.T. -0.146 min
 Lab File: VY016616.D
 Acq: 06 Dec 2023 15:20

Tgt Ion: 75 Resp: 45397
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.339 ug/l
 RT: 12.496 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016616.D
 Acq: 06 Dec 2023 15:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-04RE

Tgt Ion: 75 Resp: 45397
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

