

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013316.D
 Acq On : 14 Apr 2023 14:10
 Operator : KP/MD
 Sample : 02224-09
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-05

Quant Time: Apr 17 02:11:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

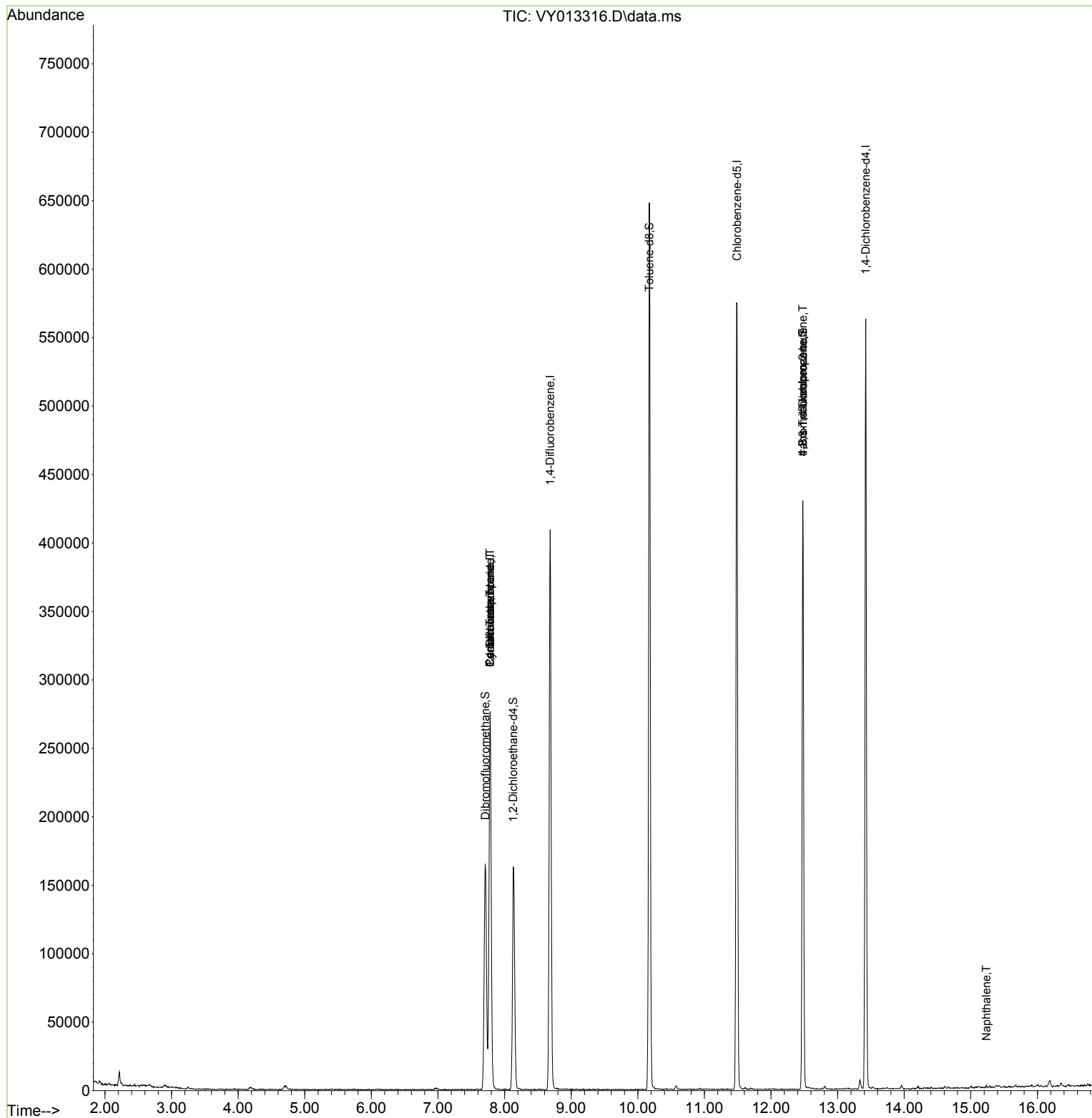
Internal Standards						
1) Pentafluorobenzene	7.783	168	212795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	347280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	313473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140937	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	128285	50.164	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.320%	
35) Dibromofluoromethane	7.709	113	118023	52.495	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.000%	
50) Toluene-d8	10.172	98	415103	49.603	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.200%	
62) 4-Bromofluorobenzene	12.477	95	125804	46.268	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.984	59	50	Below Cal	#	74
20) Methylene Chloride	4.704	84	1133	Below Cal	#	82
31) Cyclohexane	7.783	56	4753	1.229	ug/l #	16
36) 1,1-Dichloropropene	7.783	75	15884	4.664	ug/l #	50
38) Carbon Tetrachloride	7.783	117	20256	5.378	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	64766	36.879	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	64766	76.542	ug/l #	13
95) Naphthalene	15.232	128	1154	3.379	ug/l #	91

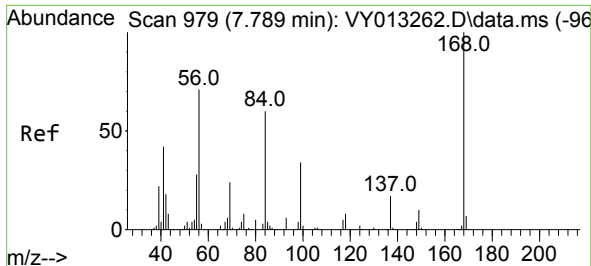
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
Data File : VY013316.D
Acq On : 14 Apr 2023 14:10
Operator : KP/MD
Sample : 02224-09
Misc : 5.23g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-05

Quant Time: Apr 17 02:11:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration

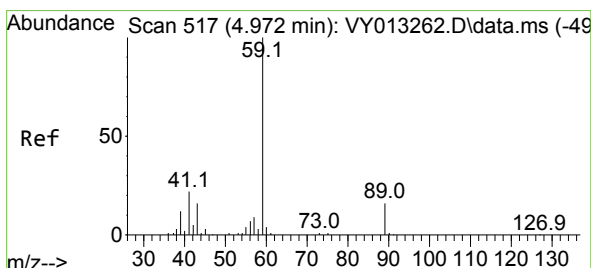
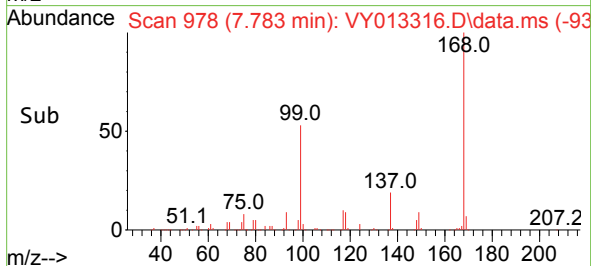
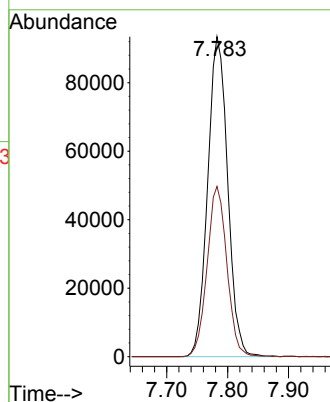
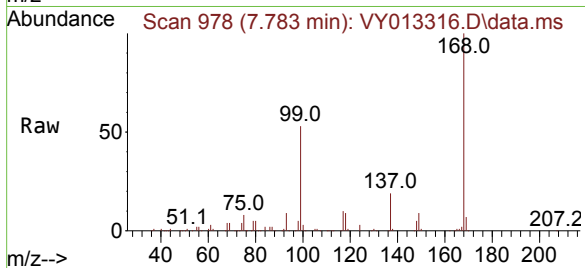




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

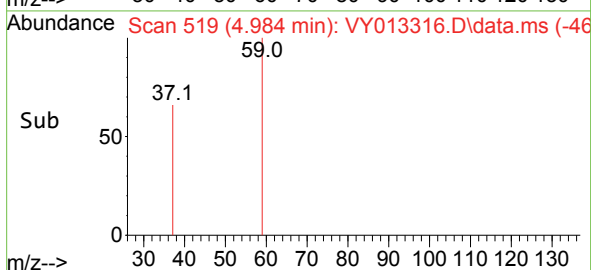
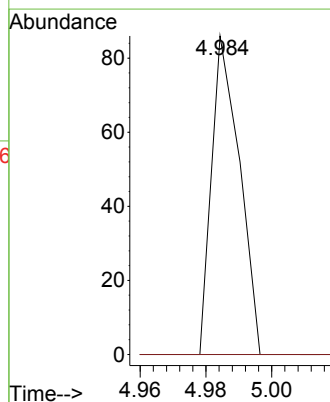
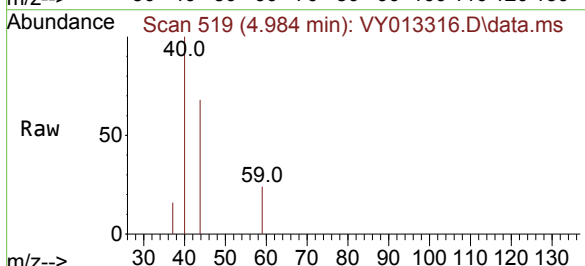
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-05

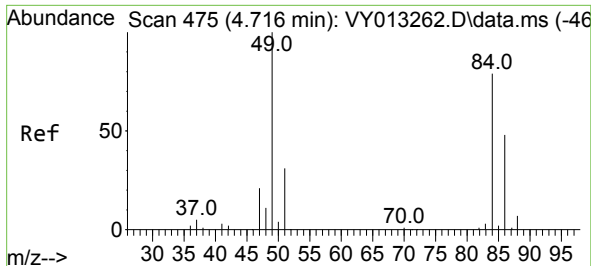
Tgt Ion:168 Resp: 212795
Ion Ratio Lower Upper
168 100
99 53.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.984 min Scan# 519
Delta R.T. 0.012 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

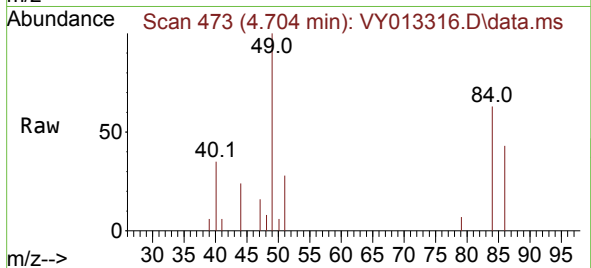
Tgt Ion: 59 Resp: 50
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





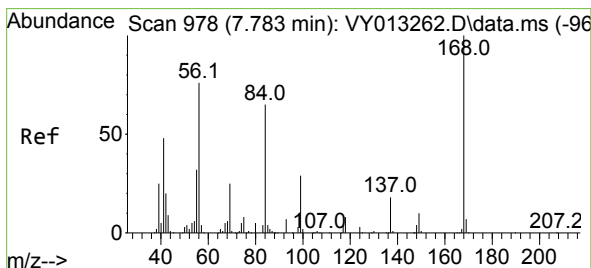
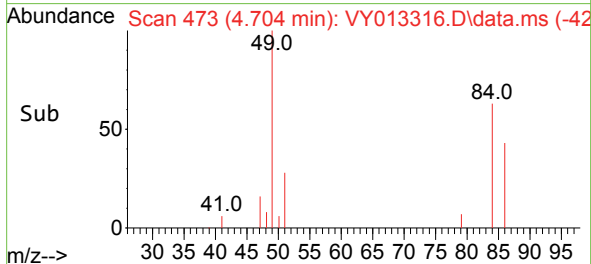
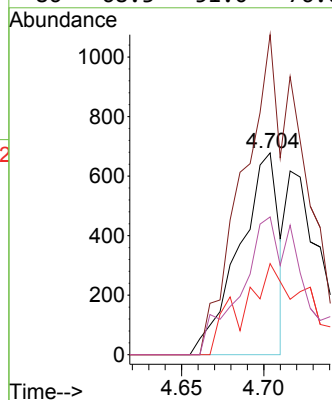
#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-05



Tgt Ion: 84 Resp: 1133

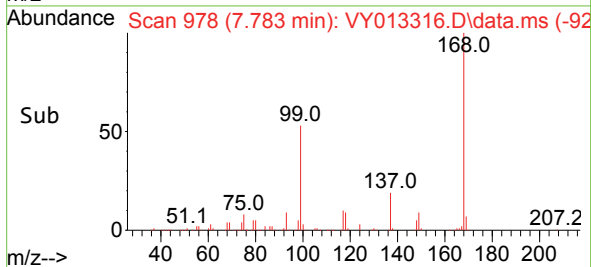
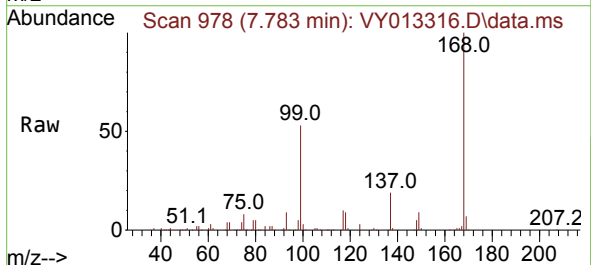
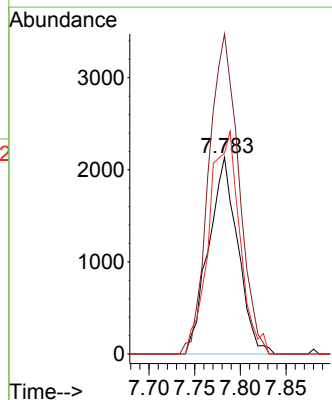
Ion	Ratio	Lower	Upper
84	100		
49	158.6	102.6	154.0#
51	45.1	31.9	47.9
86	68.3	51.0	76.6

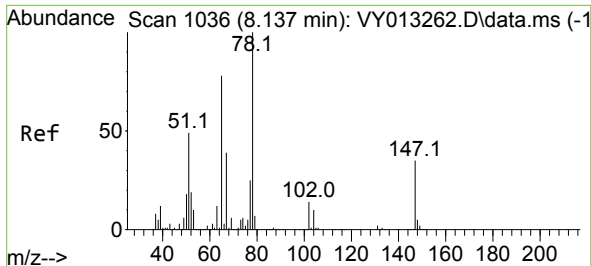


#31
Cyclohexane
Concen: 1.229 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

Tgt Ion: 56 Resp: 4753

Ion	Ratio	Lower	Upper
56	100		
69	162.8	25.7	38.5#
84	102.1	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 50.164 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY013316.D

Acq: 14 Apr 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

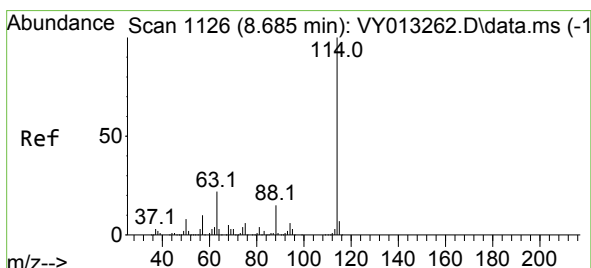
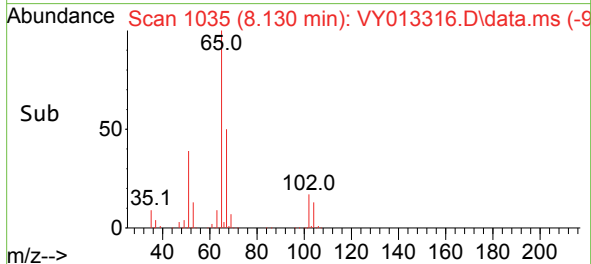
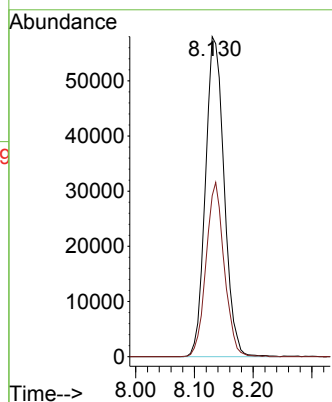
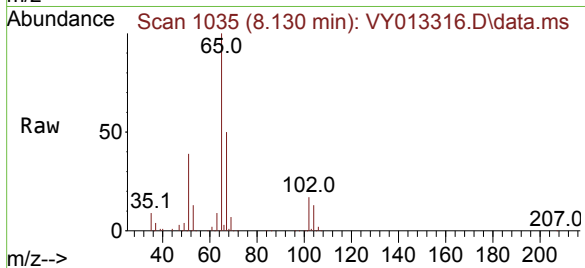
OU3-FC-BACKFILL-05

Tgt Ion: 65 Resp: 128285

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013316.D

Acq: 14 Apr 2023 14:10

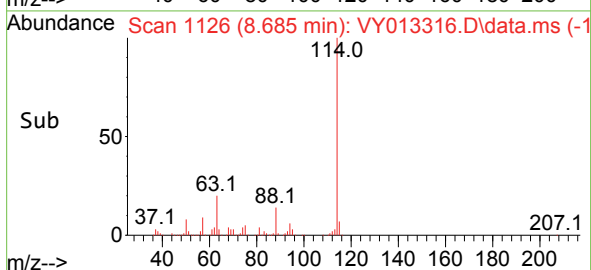
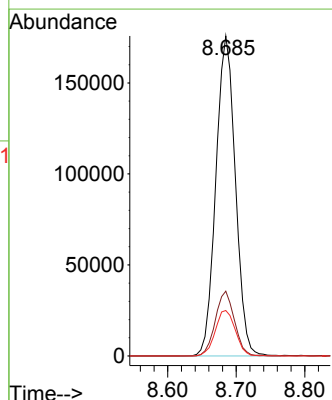
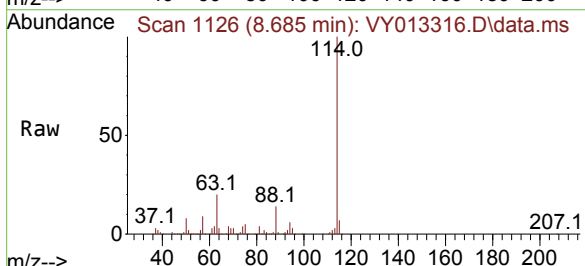
Tgt Ion: 114 Resp: 347280

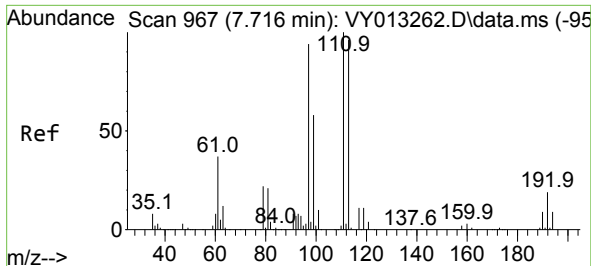
Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 14.2 0.0 28.6

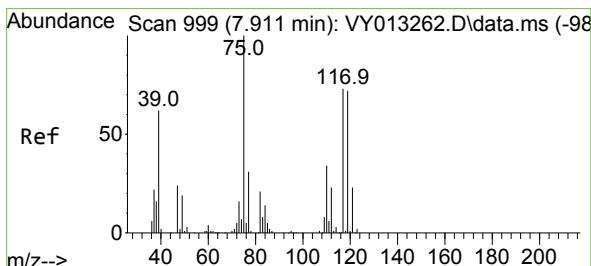
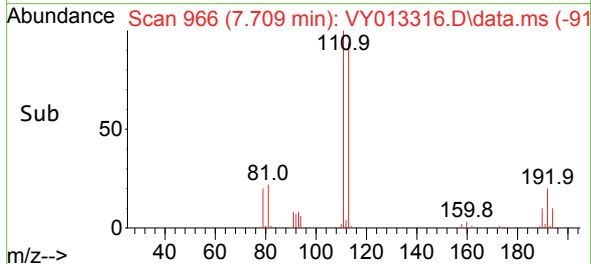
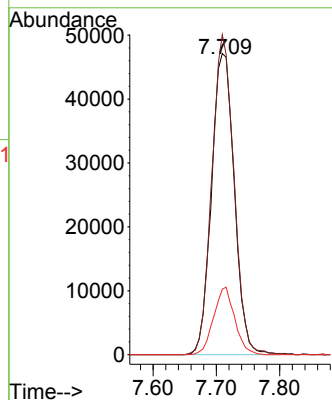
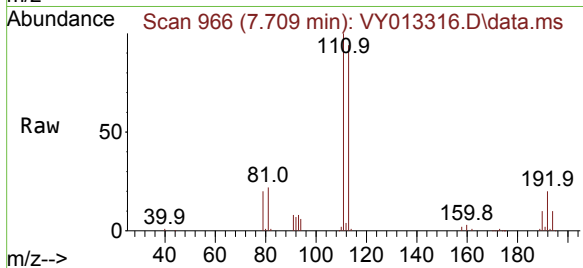




#35
Dibromofluoromethane
Concen: 52.495 ug/l
RT: 7.709 min Scan# 911
Delta R.T. -0.007 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

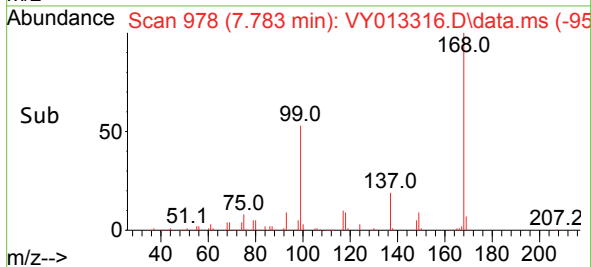
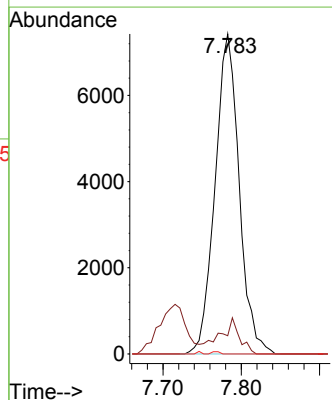
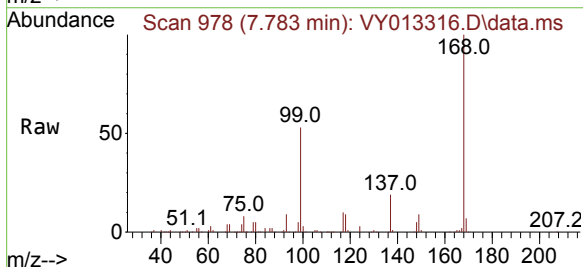
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-05

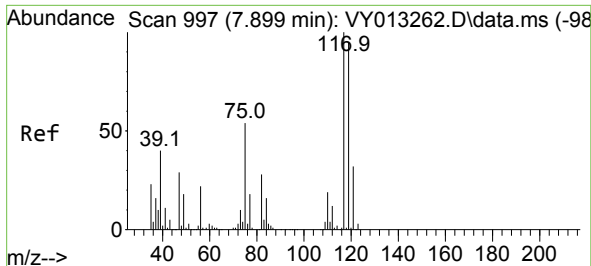
Tgt Ion:113 Resp: 118023
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 20.8 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.664 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

Tgt Ion: 75 Resp: 15884
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.3#
77 0.0 25.0 37.4#

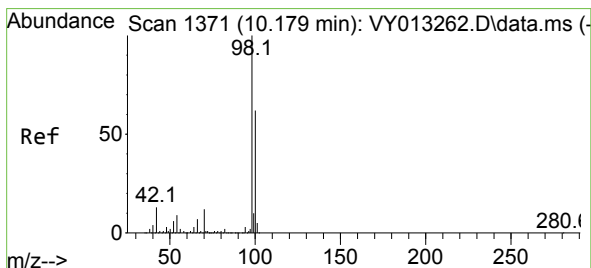
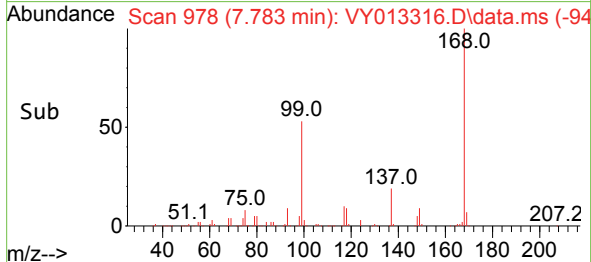
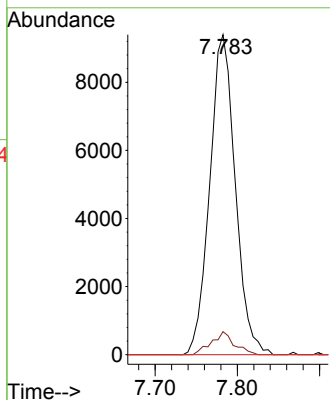
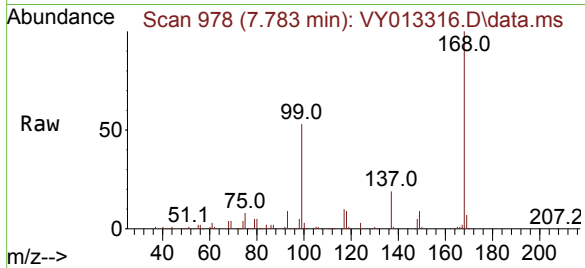




#38
Carbon Tetrachloride
Concen: 5.378 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

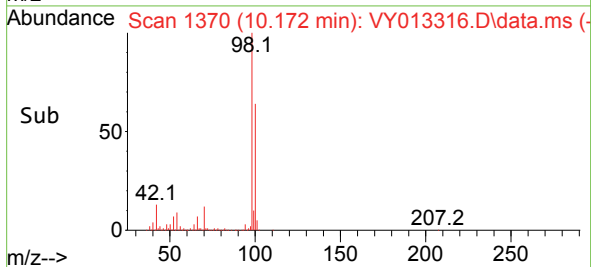
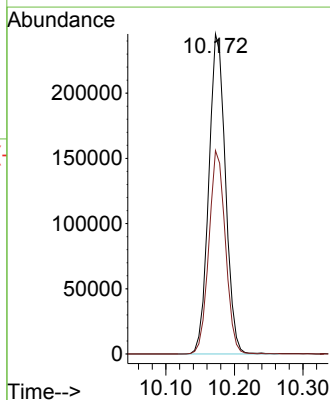
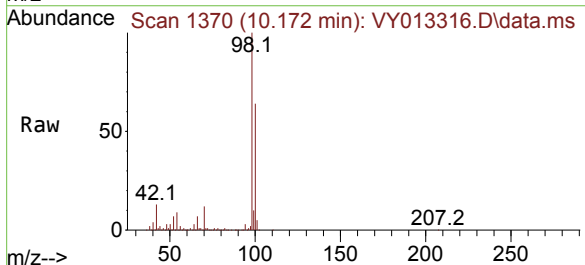
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-05

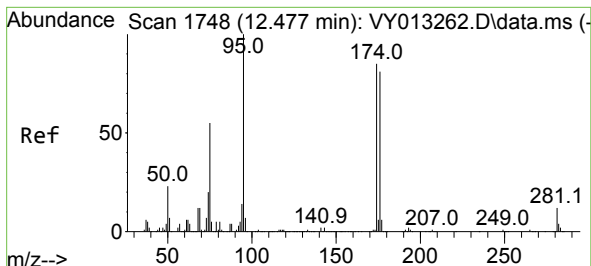
Tgt Ion:117 Resp: 20256
Ion Ratio Lower Upper
117 100
119 7.2 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.603 ug/l
RT: 10.172 min Scan# 1370
Delta R.T. -0.007 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

Tgt Ion: 98 Resp: 415103
Ion Ratio Lower Upper
98 100
100 63.0 50.9 76.3

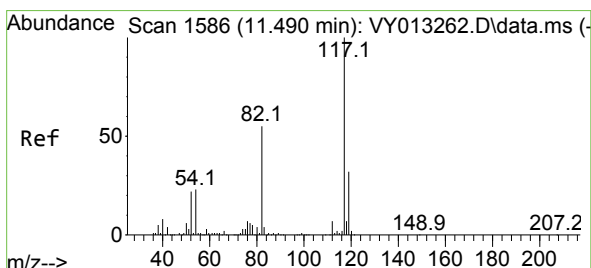
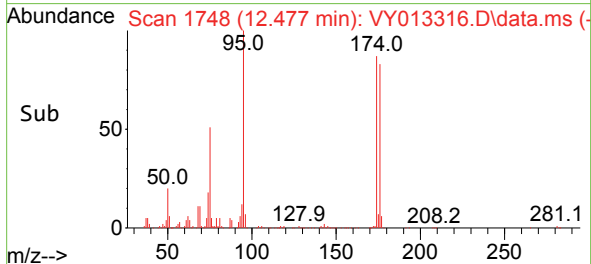
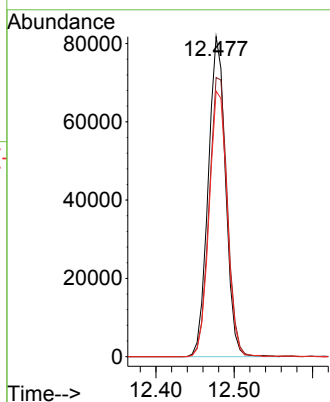
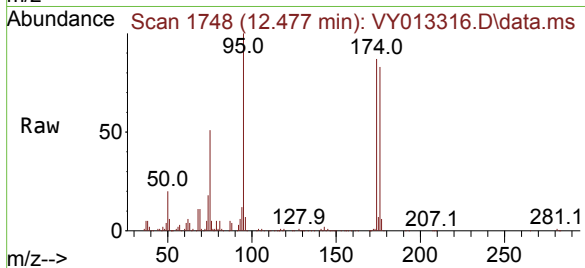




#62
4-Bromofluorobenzene
Concen: 46.268 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

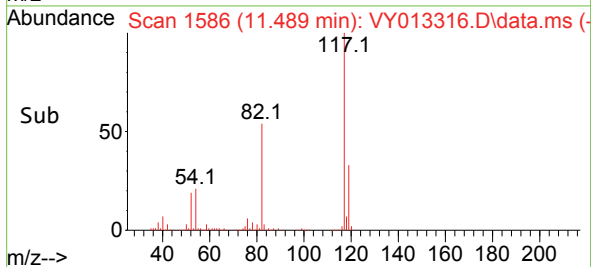
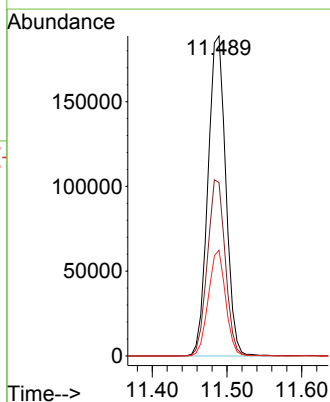
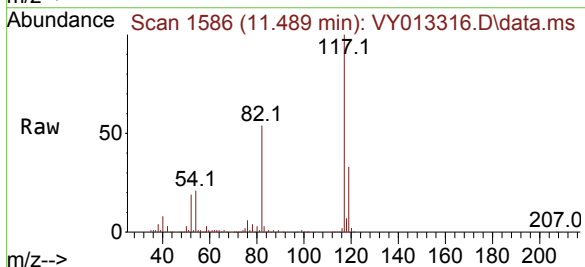
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-05

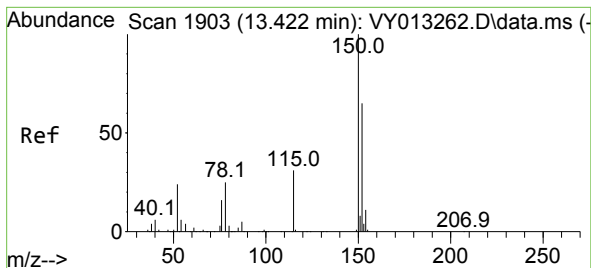
Tgt Ion: 95 Resp: 125804
Ion Ratio Lower Upper
95 100
174 92.1 0.0 176.6
176 86.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

Tgt Ion: 117 Resp: 313473
Ion Ratio Lower Upper
117 100
82 54.2 45.4 68.0
119 33.0 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY013316.D

Acq: 14 Apr 2023 14:10

Instrument :

MSVOA_Y

ClientSampleId :

OU3-FC-BACKFILL-05

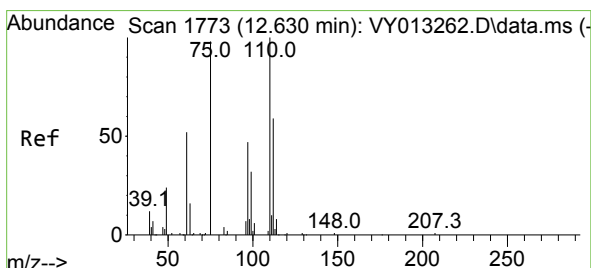
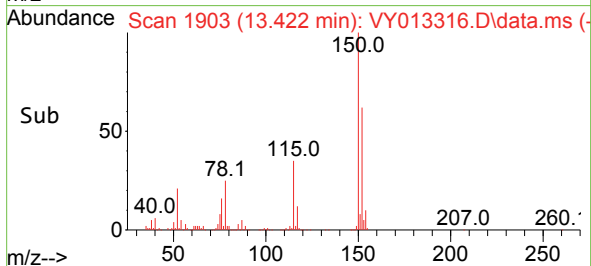
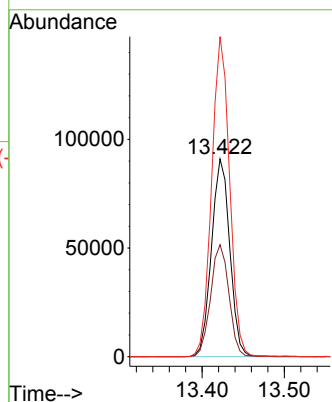
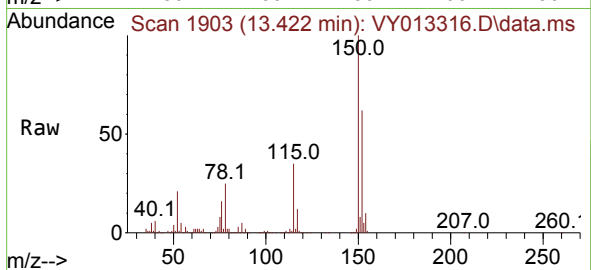
Tgt Ion:152 Resp: 140937

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

150 158.4 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 36.879 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY013316.D

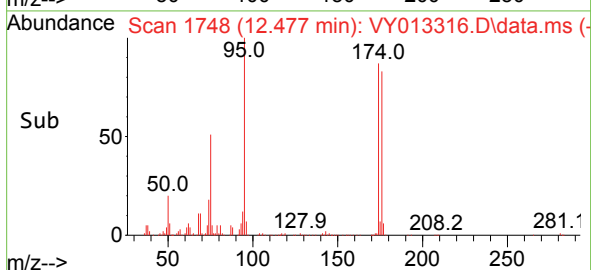
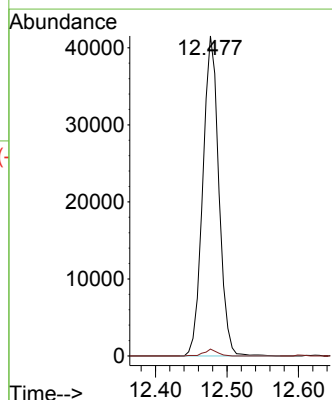
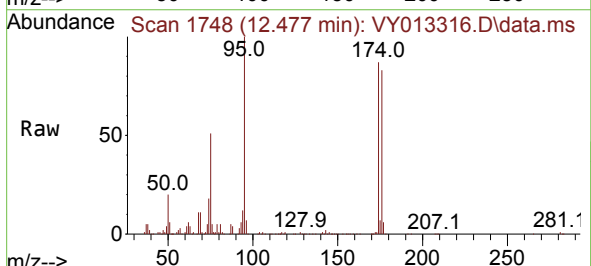
Acq: 14 Apr 2023 14:10

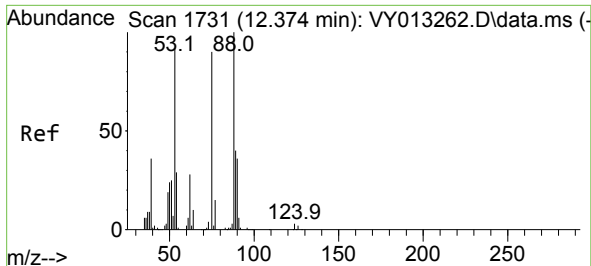
Tgt Ion: 75 Resp: 64766

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#

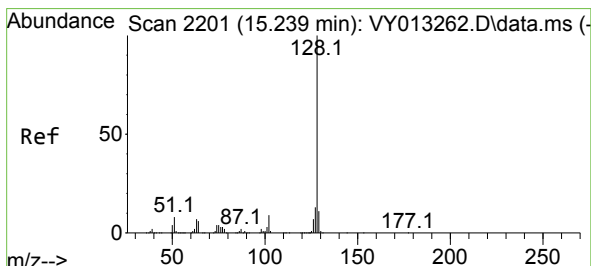
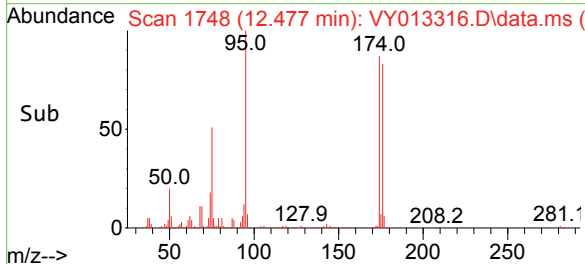
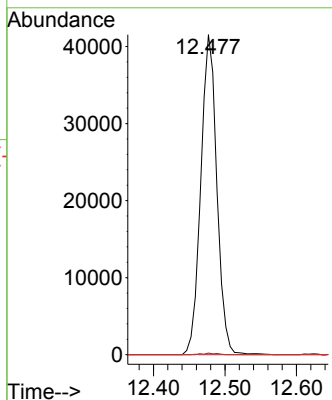
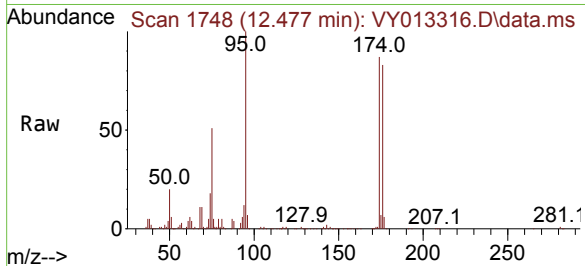




#81
trans-1,4-Dichloro-2-butene
Concen: 76.542 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-05

Tgt Ion: 75 Resp: 64766
Ion Ratio Lower Upper
75 100
53 0.4 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.379 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.007 min
Lab File: VY013316.D
Acq: 14 Apr 2023 14:10

Tgt Ion:128 Resp: 1154
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 4.1 8.6 13.0#

