

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013307.D
 Acq On : 13 Apr 2023 19:36
 Operator : KP/MD
 Sample : 02224-29
 Misc : 5.95g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-15

Quant Time: Apr 14 03:02:10 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)

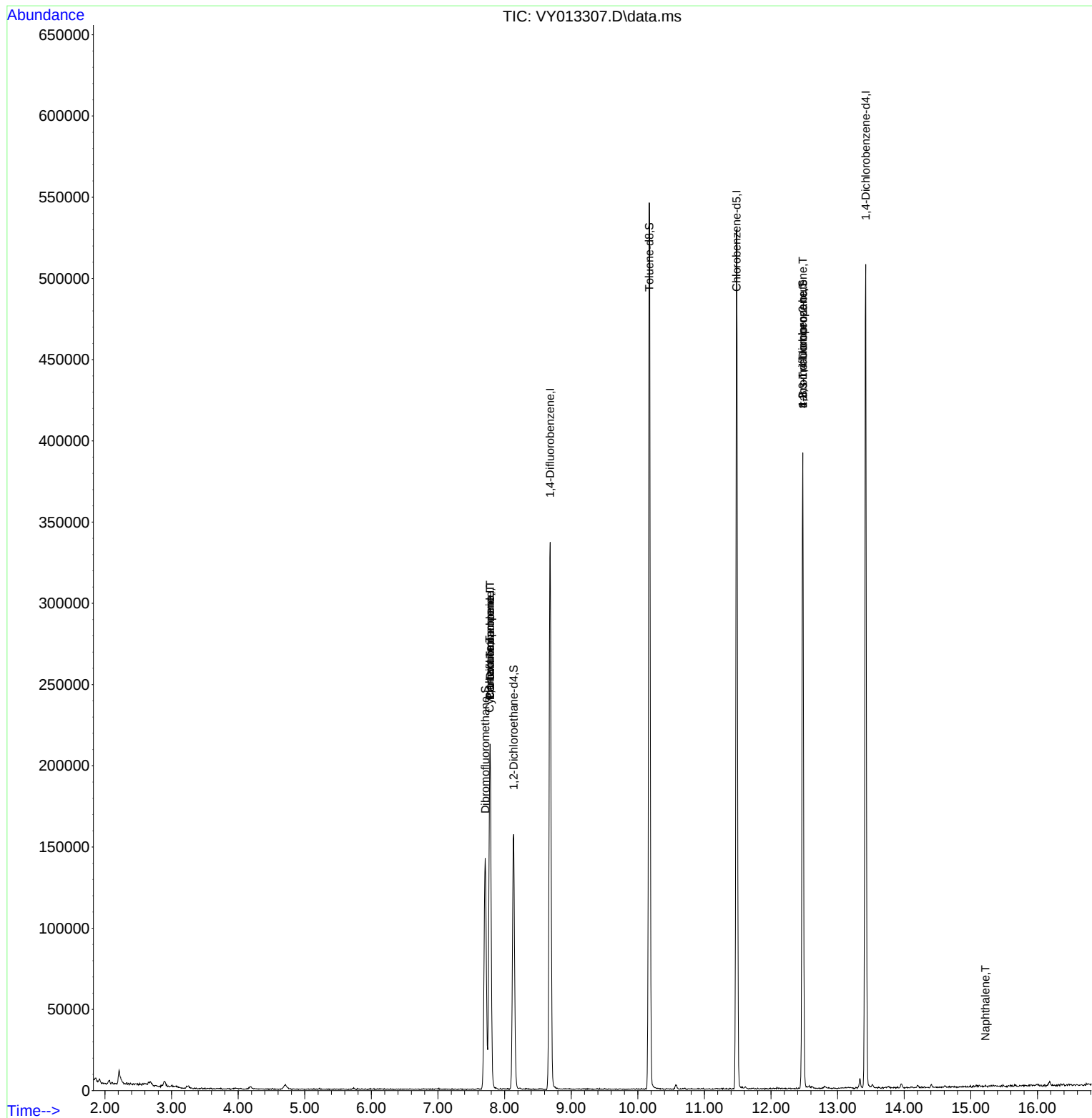
Internal Standards						
1) Pentafluorobenzene	7.783	168	165422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	283239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	270765	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	120783	60.756	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.520%	
35) Dibromofluoromethane	7.710	113	100802	54.973	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.940%	
50) Toluene-d8	10.173	98	346723	50.800	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	12.477	95	108548	48.948	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.900%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	59	Below Cal	#	74
20) Methylene Chloride	4.698	84	1880	Below Cal	#	69
31) Cyclohexane	7.777	56	3800	1.264	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13329	4.798	ug/l #	49
38) Carbon Tetrachloride	7.783	117	16156	5.260	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	59008	37.582	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59008	78.001	ug/l #	13
95) Naphthalene	15.220	128	319	3.258	ug/l #	69

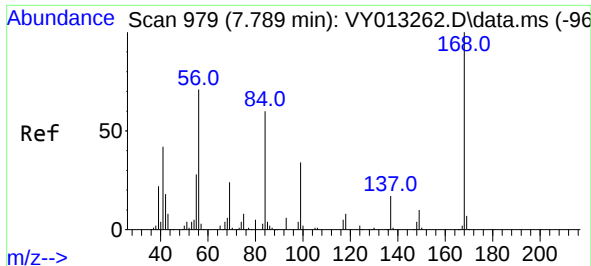
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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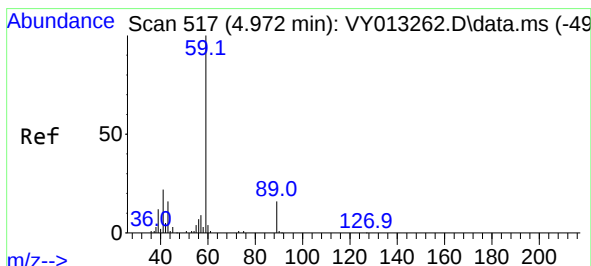
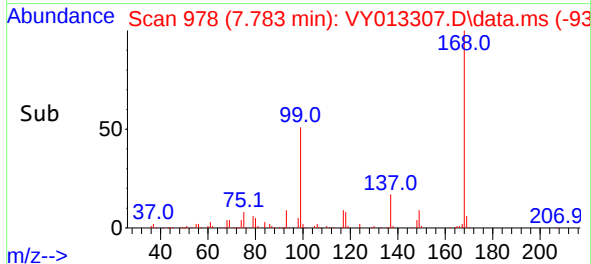
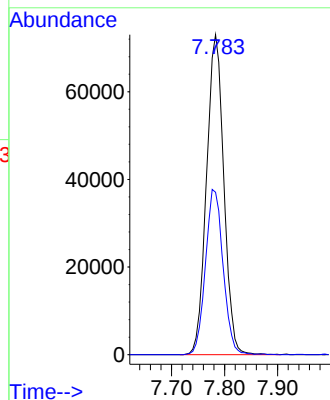
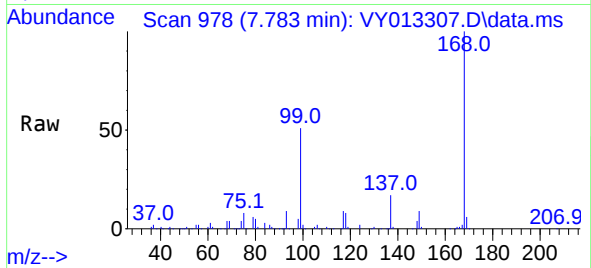




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

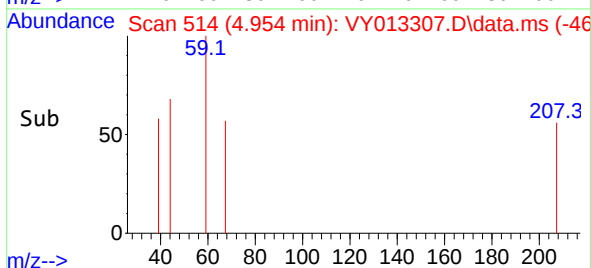
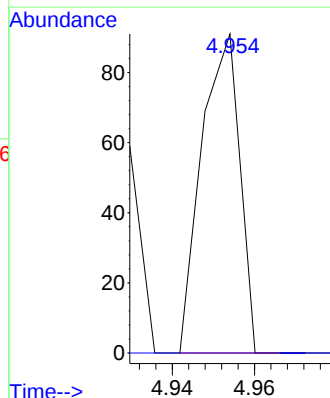
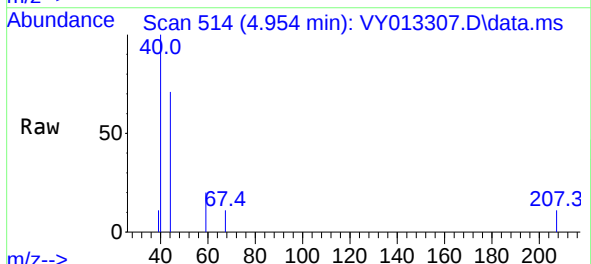
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-15

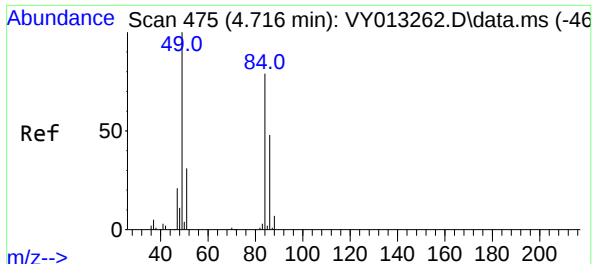
Tgt Ion:168 Resp: 165422
Ion Ratio Lower Upper
168 100
99 50.7 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

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

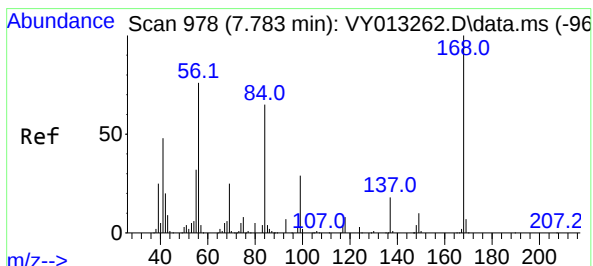
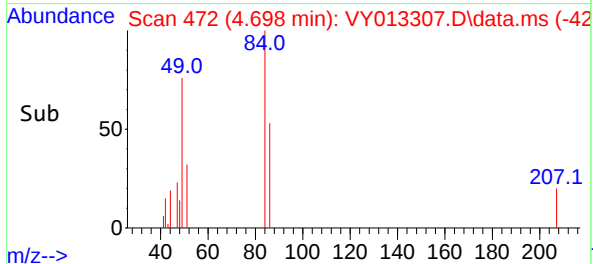
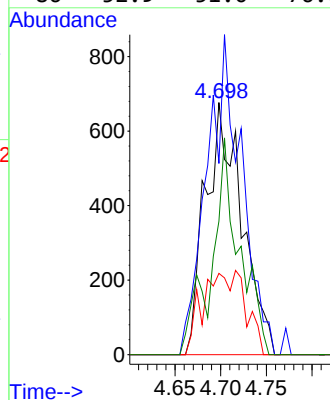
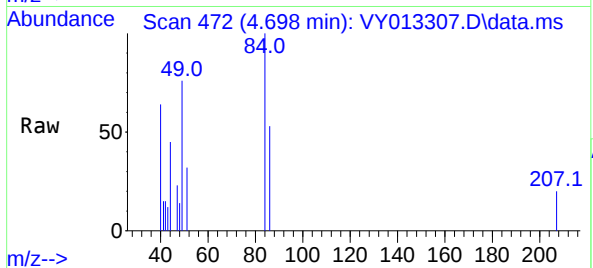




#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

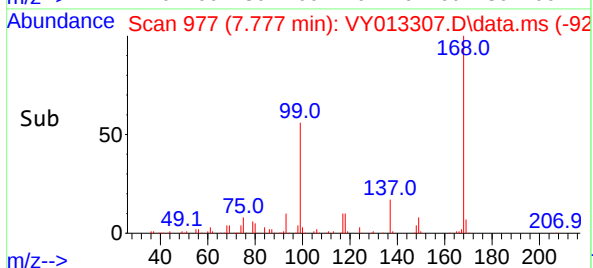
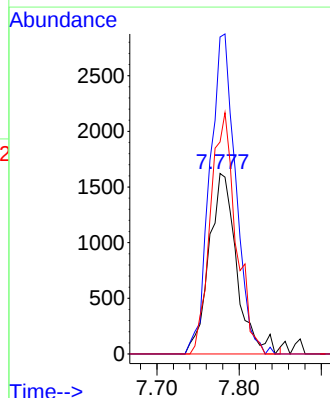
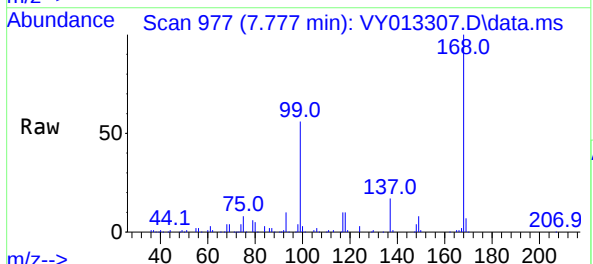
Instrument :
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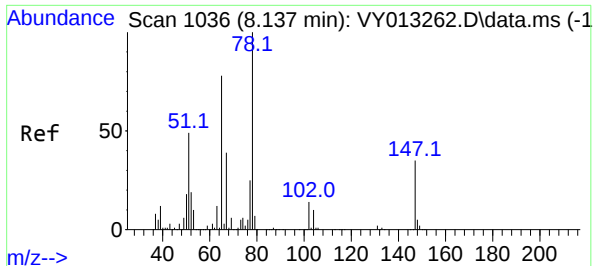
Tgt Ion:	84	Resp:	1880
Ion	Ratio	Lower	Upper
84	100		
49	75.8	102.6	154.0#
51	32.2	31.9	47.9
86	52.9	51.0	76.6



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

Tgt Ion:	56	Resp:	3800
Ion	Ratio	Lower	Upper
56	100		
69	175.6	25.7	38.5#
84	117.4	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 60.756 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY013307.D

Acq: 13 Apr 2023 19:36

Instrument :

MSVOA_Y

ClientSampleId :

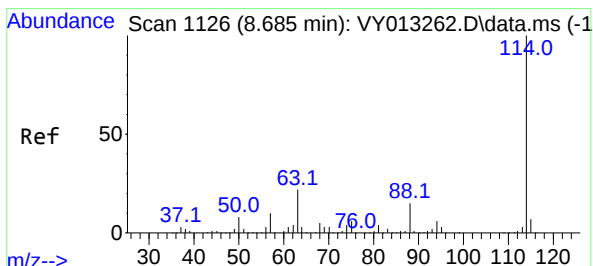
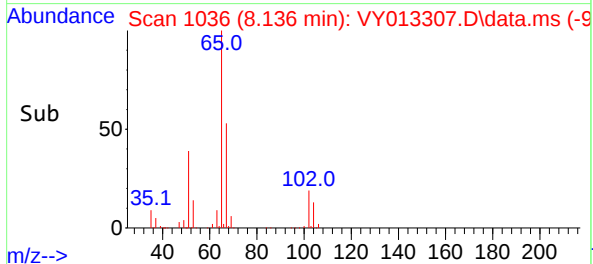
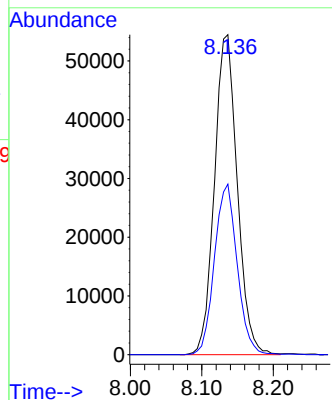
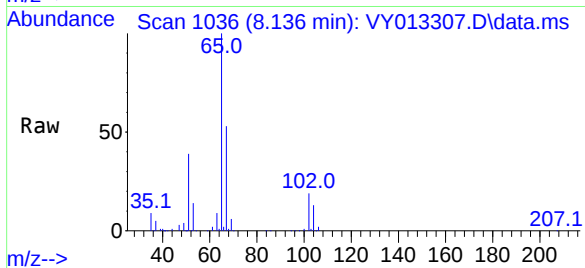
OU3-FC-BACKFILL-15

Tgt Ion: 65 Resp: 120783

Ion Ratio Lower Upper

65 100

67 53.1 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: VY013307.D

Acq: 13 Apr 2023 19:36

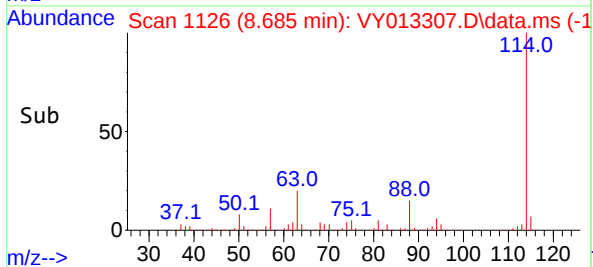
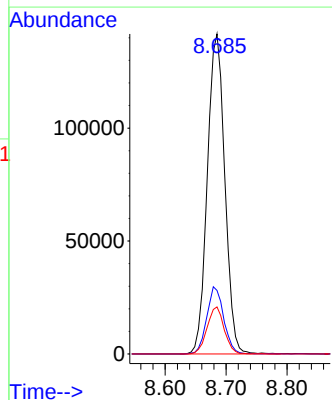
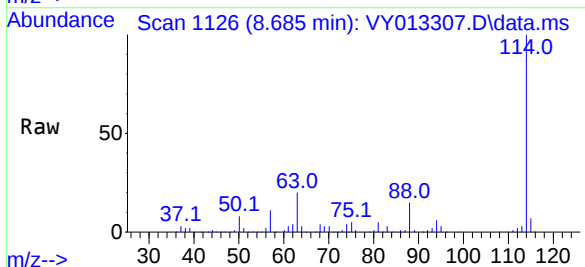
Tgt Ion: 114 Resp: 283239

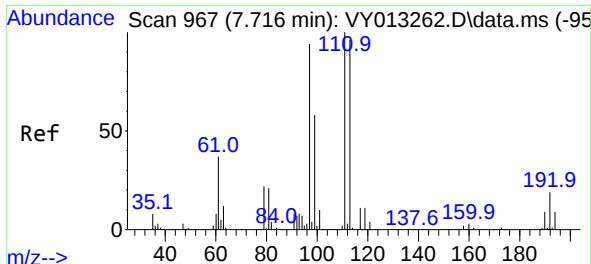
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 14.7 0.0 28.6

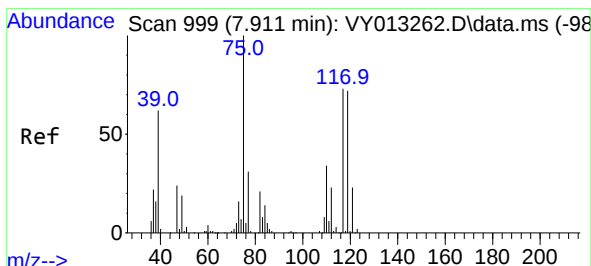
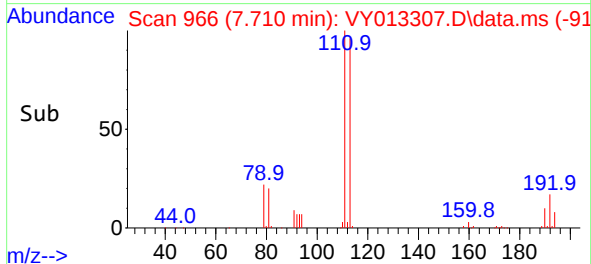
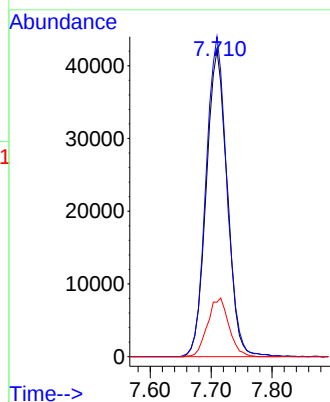
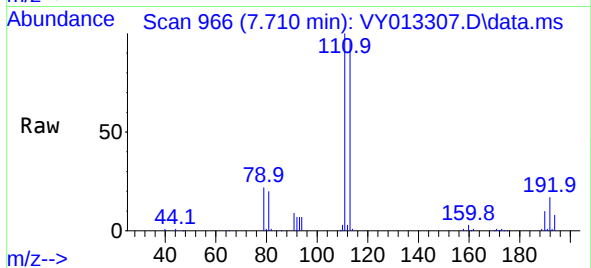




#35
Dibromofluoromethane
Concen: 54.973 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

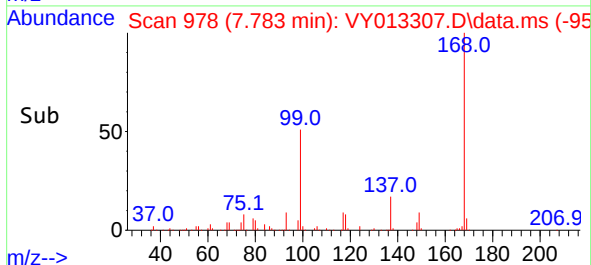
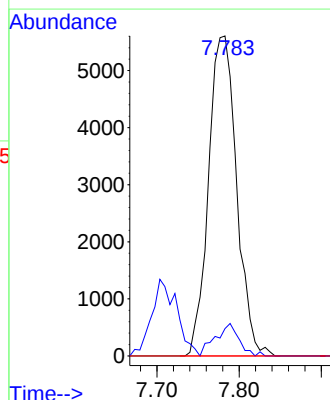
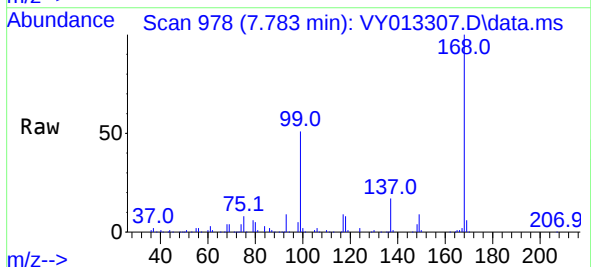
Instrument :
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ClientSampleId :
OU3-FC-BACKFILL-15

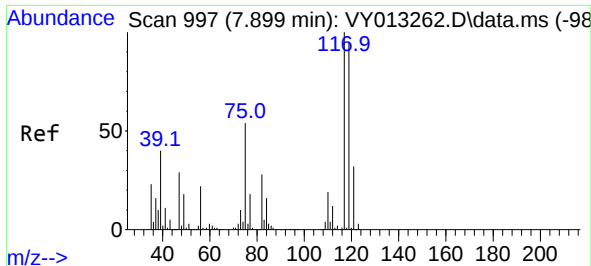
Tgt Ion: 113 Resp: 100802
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.2
192 19.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.798 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

Tgt Ion: 75 Resp: 13329
Ion Ratio Lower Upper
75 100
110 8.5 17.8 53.3#
77 0.0 25.0 37.4#

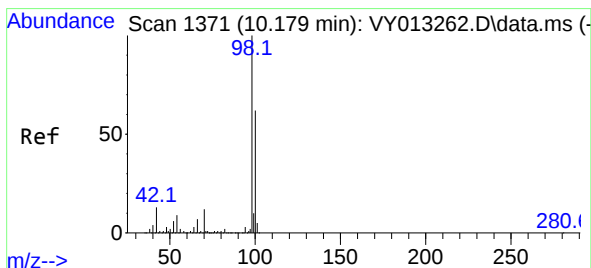
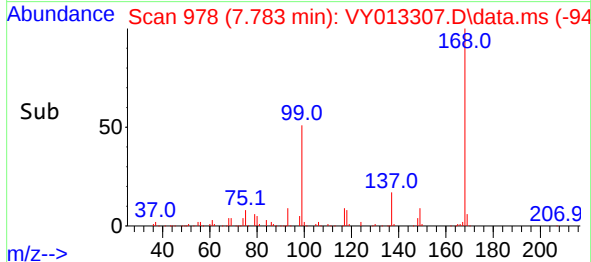
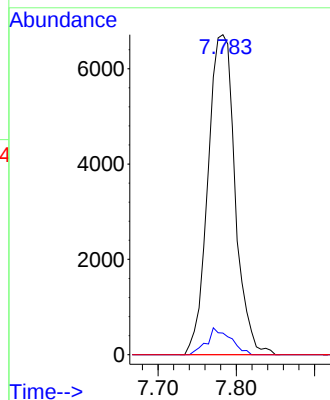
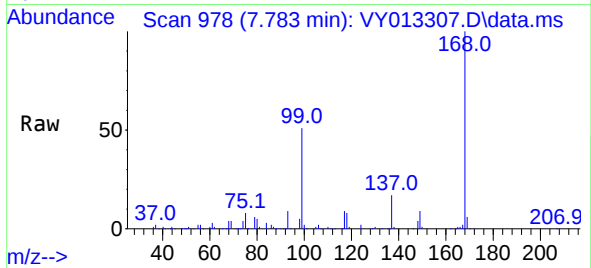




#38
Carbon Tetrachloride
Concen: 5.260 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

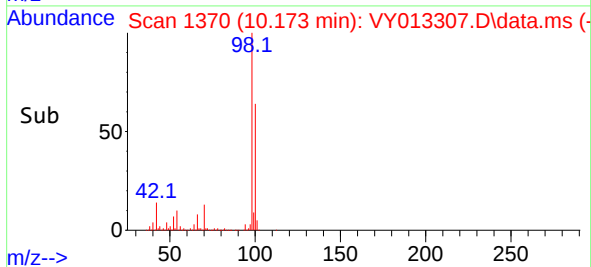
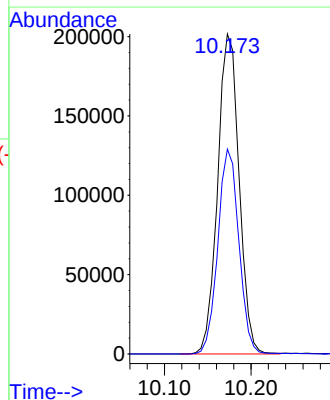
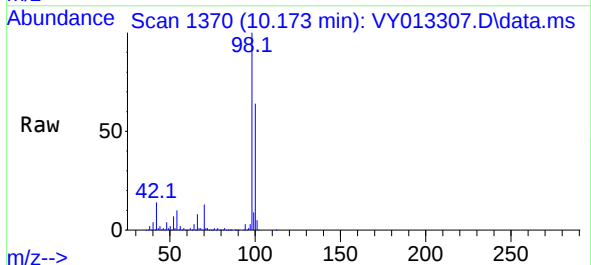
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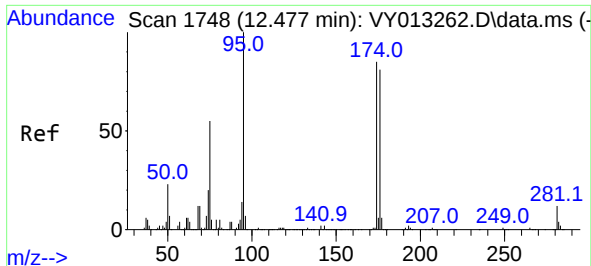
Tgt Ion:117 Resp: 16156
Ion Ratio Lower Upper
117 100
119 6.8 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.800 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

Tgt Ion: 98 Resp: 346723
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3

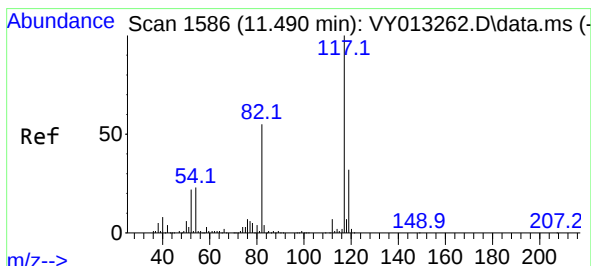
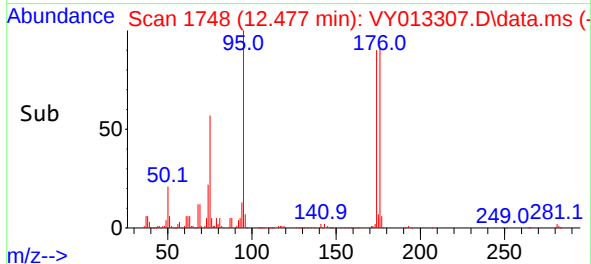
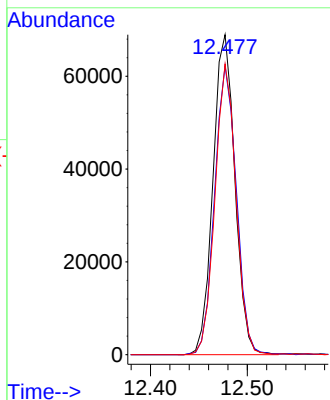
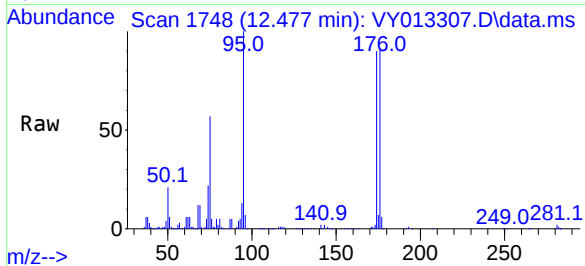




#62
4-Bromofluorobenzene
Concen: 48.948 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

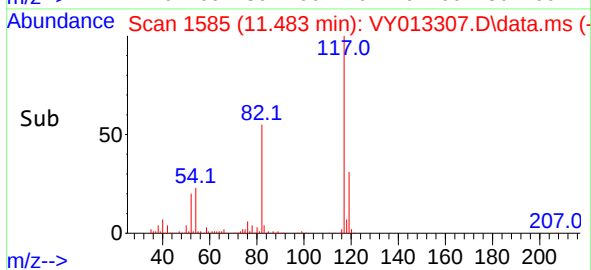
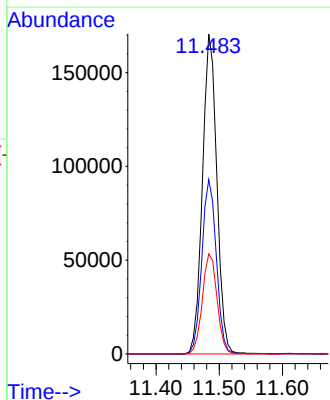
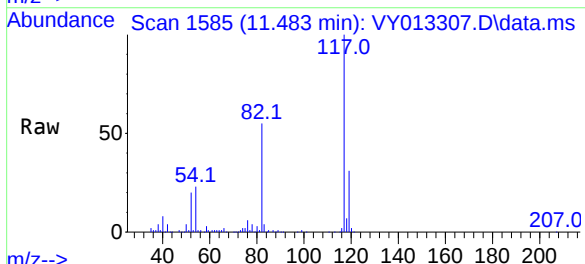
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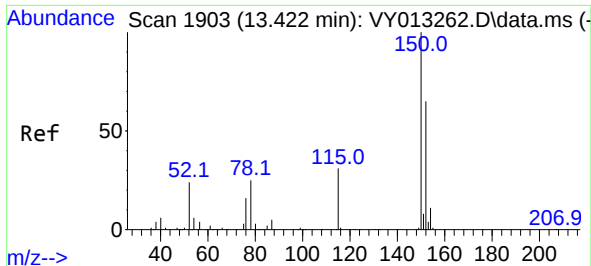
Tgt Ion: 95 Resp: 108548
Ion Ratio Lower Upper
95 100
174 89.7 0.0 176.6
176 87.2 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

Tgt Ion: 117 Resp: 270765
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.0
119 31.3 25.6 38.4

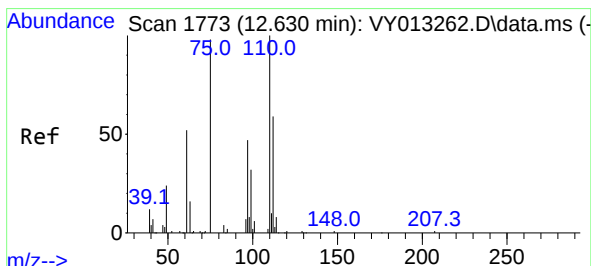
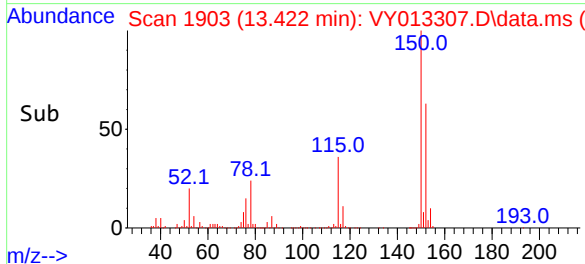
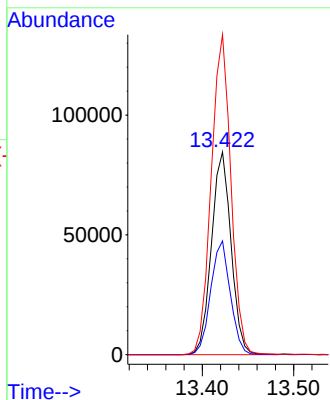
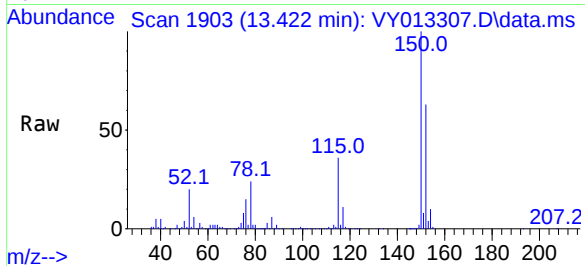




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

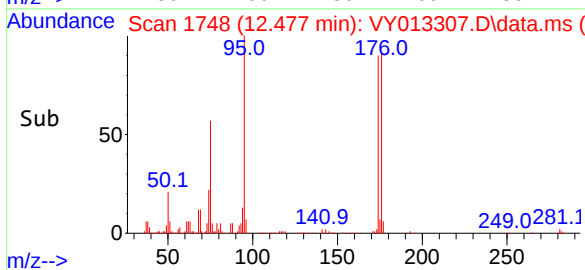
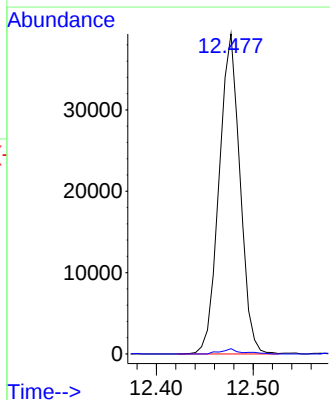
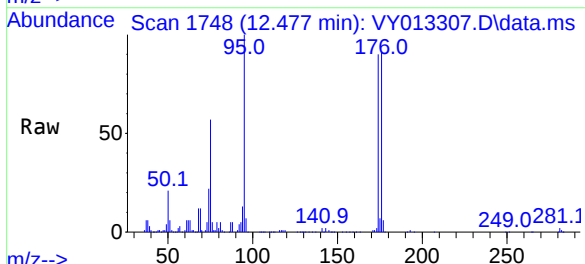
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-15

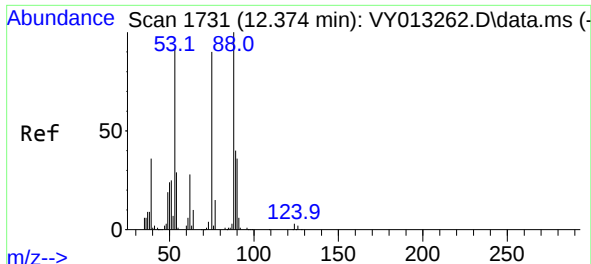
Tgt Ion:152 Resp: 126004
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 158.6 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 37.582 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

Tgt Ion: 75 Resp: 59008
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

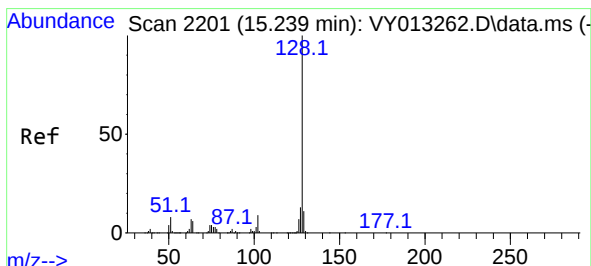
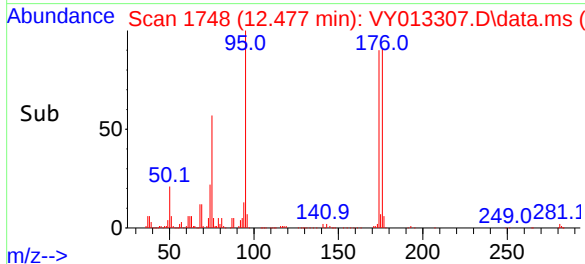
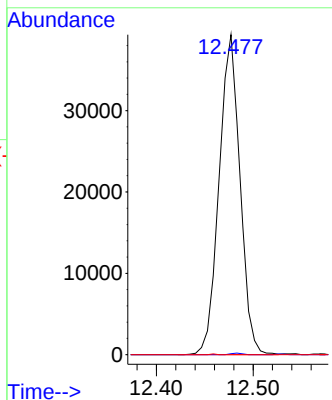
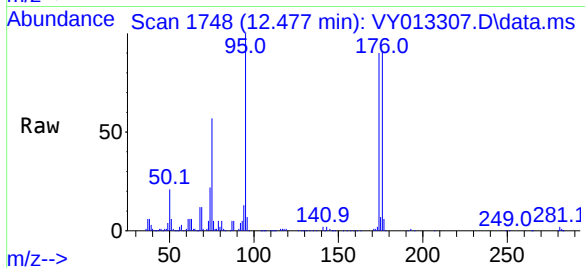




#81
trans-1,4-Dichloro-2-butene
Concen: 78.001 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-15

Tgt Ion: 75 Resp: 59008
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.258 ug/l
RT: 15.220 min Scan# 2198
Delta R.T. -0.019 min
Lab File: VY013307.D
Acq: 13 Apr 2023 19:36

Tgt Ion: 128 Resp: 319
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

