

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013304.D
 Acq On : 13 Apr 2023 18:26
 Operator : KP/MD
 Sample : 02224-13
 Misc : 5.28g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-12

Quant Time: Apr 14 03:01:46 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)

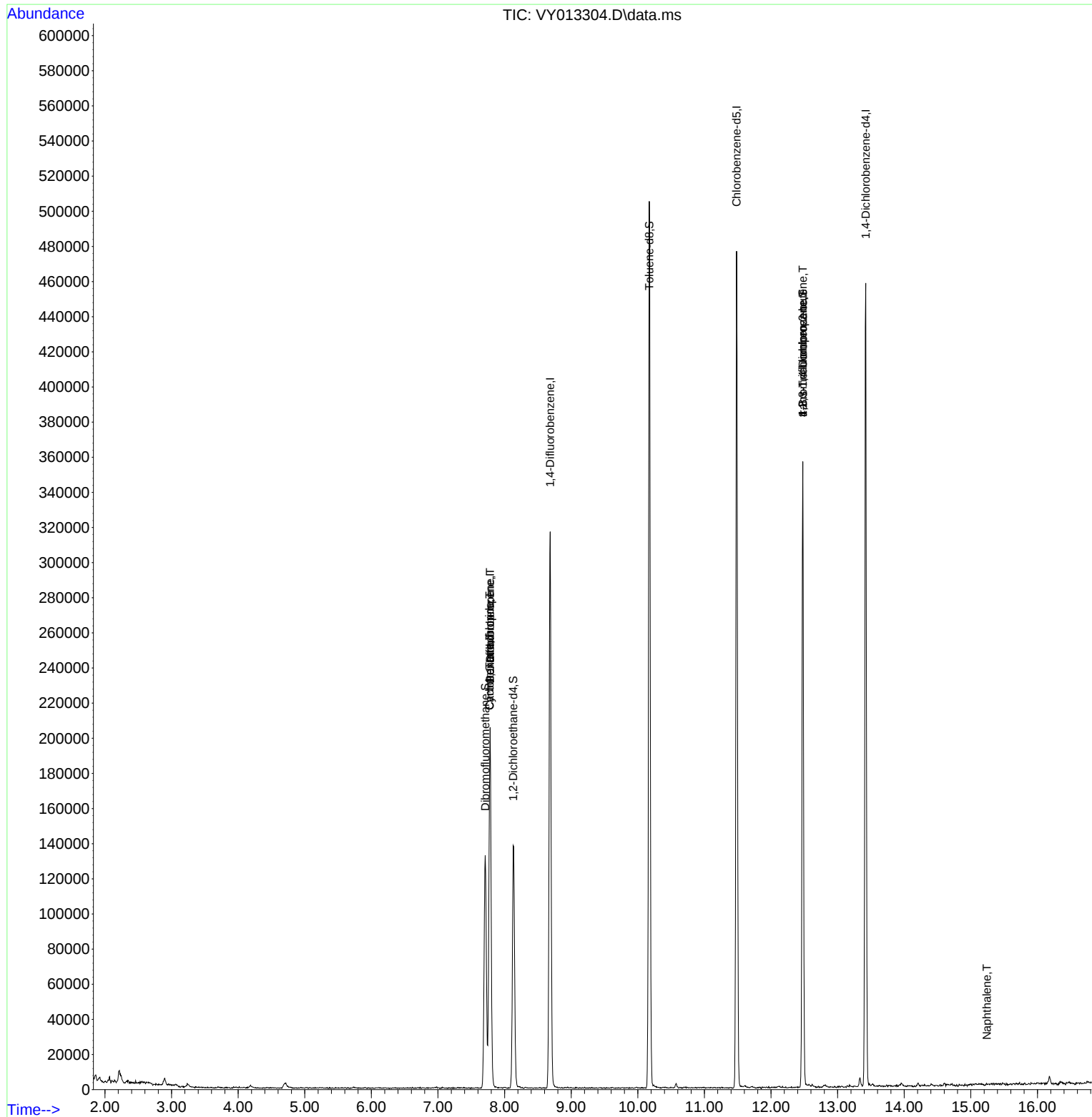
Internal Standards						
1) Pentafluorobenzene	7.783	168	153385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	262367	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	247701	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	116269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	107455	58.294	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.580%	
35) Dibromofluoromethane	7.710	113	92939	54.717	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.440%	
50) Toluene-d8	10.173	98	320787	50.739	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.480%	
62) 4-Bromofluorobenzene	12.477	95	97895	47.656	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	36	Below Cal	#	74
20) Methylene Chloride	4.692	84	905	Below Cal	#	82
31) Cyclohexane	7.777	56	3779	1.356	ug/l #	14
36) 1,1-Dichloropropene	7.783	75	12972	5.041	ug/l #	50
38) Carbon Tetrachloride	7.777	117	14870	5.226	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	54167	37.388	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	54167	77.597	ug/l #	13
95) Naphthalene	15.239	128	294	3.258	ug/l #	69

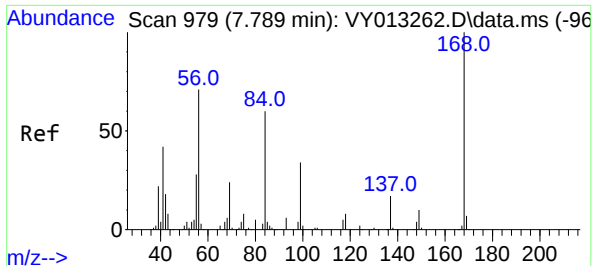
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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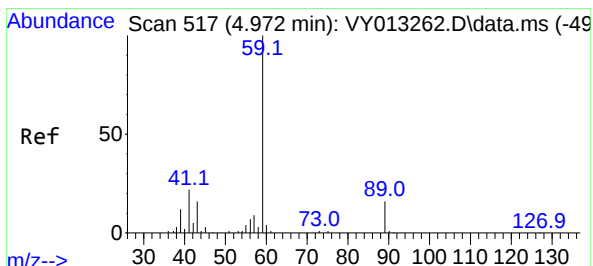
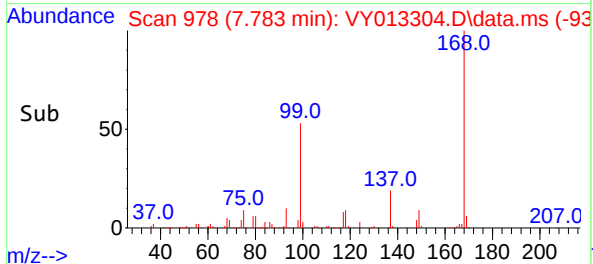
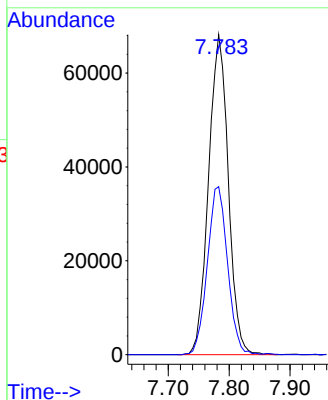
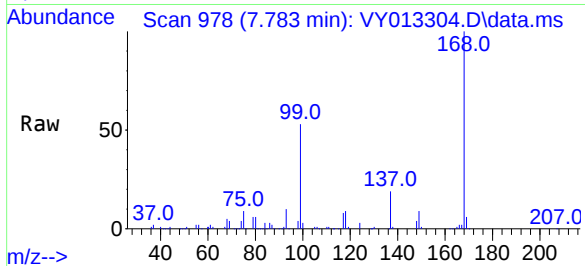




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

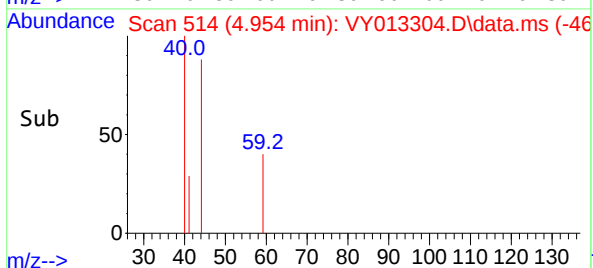
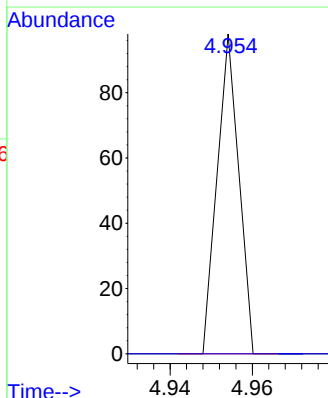
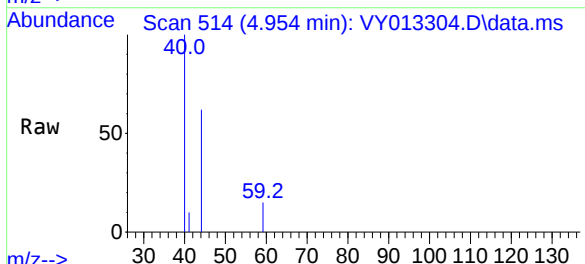
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-12

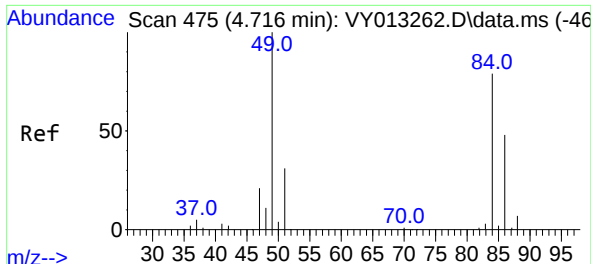
Tgt Ion:168 Resp: 153385
Ion Ratio Lower Upper
168 100
99 52.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

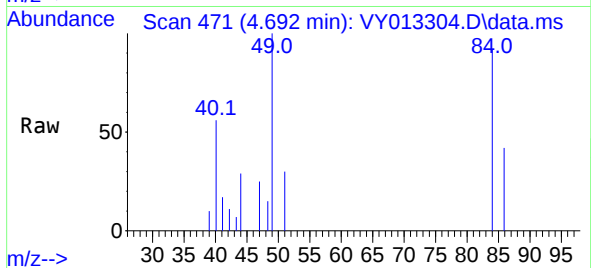
Tgt Ion: 59 Resp: 36
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





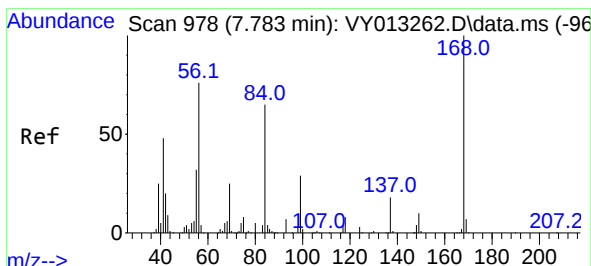
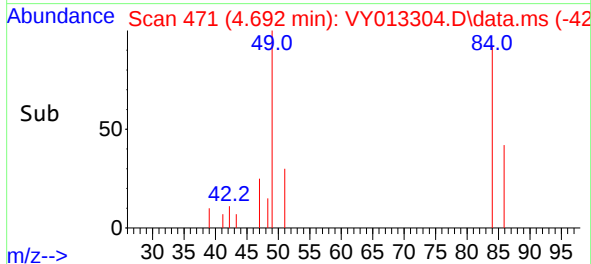
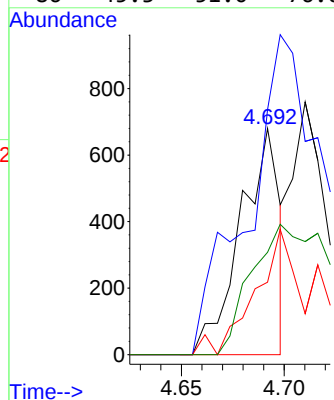
#20
Methylene Chloride
Concen: Below Cal
RT: 4.692 min Scan# 41
Delta R.T. -0.024 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-12



Tgt Ion: 84 Resp: 905

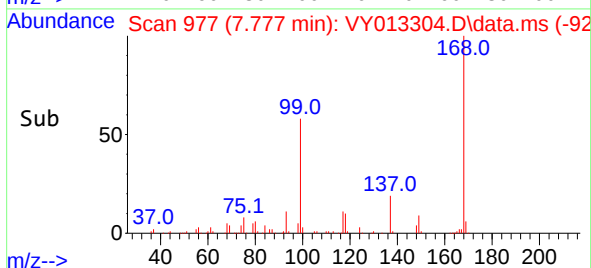
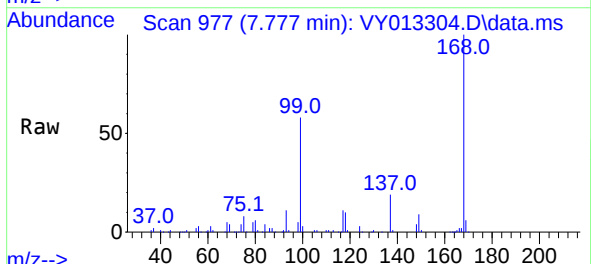
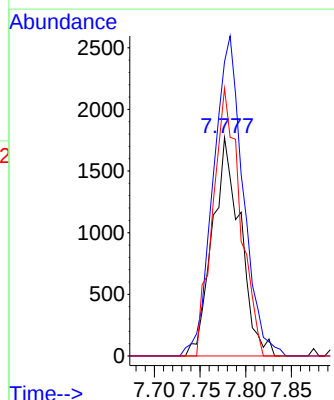
Ion	Ratio	Lower	Upper
84	100		
49	108.4	102.6	154.0
51	32.1	31.9	47.9
86	45.3	51.0	76.6#

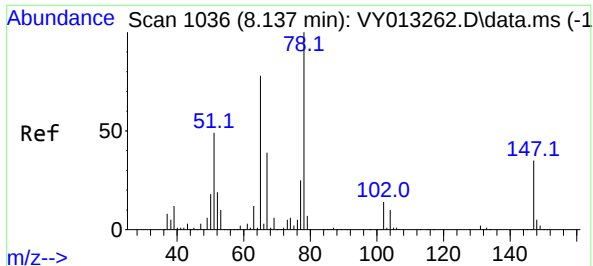


#31
Cyclohexane
Concen: 1.356 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.006 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

Tgt Ion: 56 Resp: 3779

Ion	Ratio	Lower	Upper
56	100		
69	134.7	25.7	38.5#
84	122.5	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 58.294 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY013304.D

Acq: 13 Apr 2023 18:26

Instrument :

MSVOA_Y

ClientSampleId :

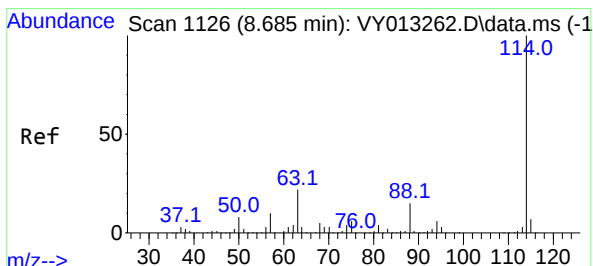
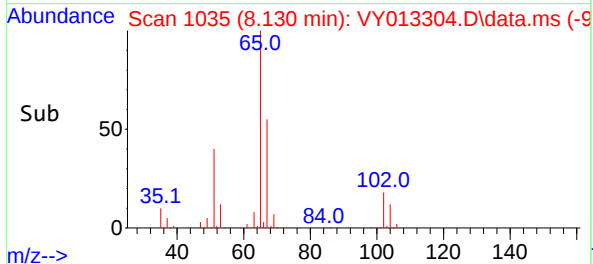
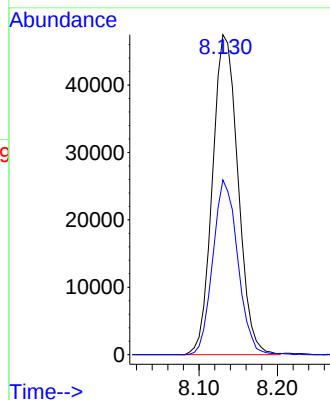
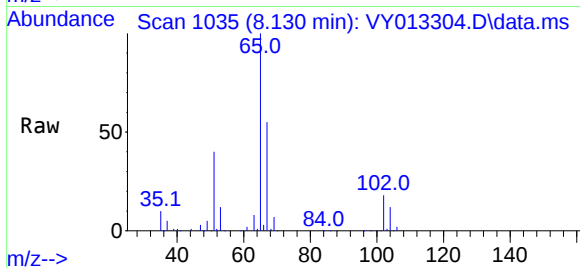
OU3-FC-BACKFILL-12

Tgt Ion: 65 Resp: 107455

Ion Ratio Lower Upper

65 100

67 53.3 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: VY013304.D

Acq: 13 Apr 2023 18:26

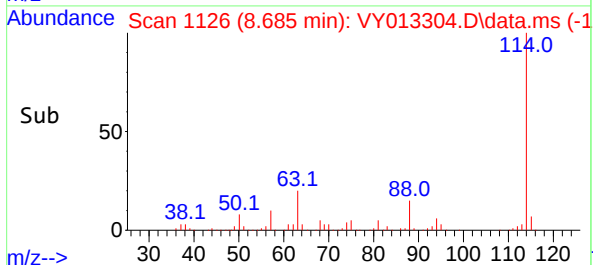
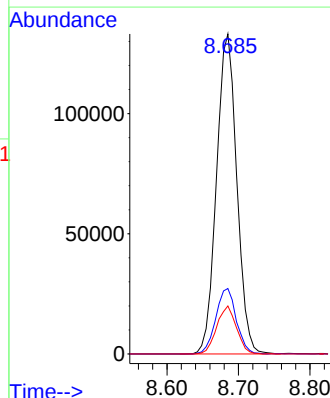
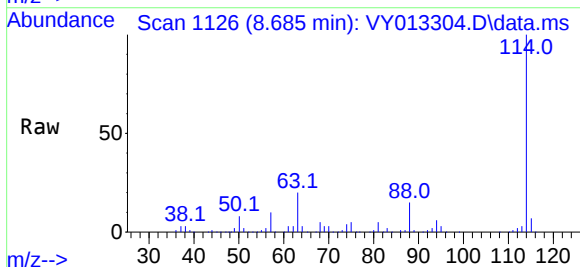
Tgt Ion: 114 Resp: 262367

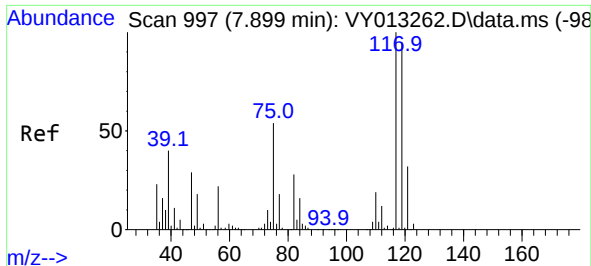
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

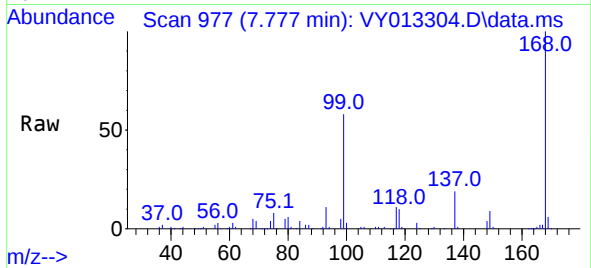
88 15.0 0.0 28.6



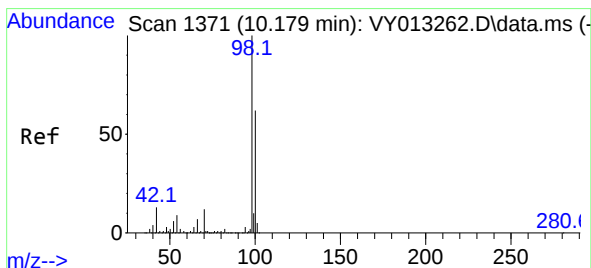
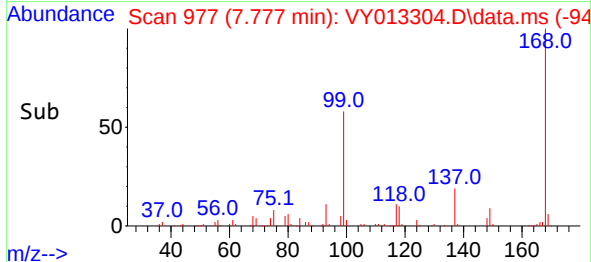
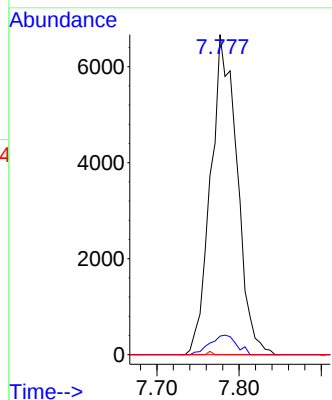


#38
Carbon Tetrachloride
Concen: 5.226 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-12

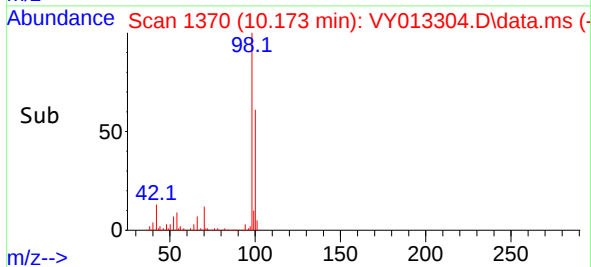
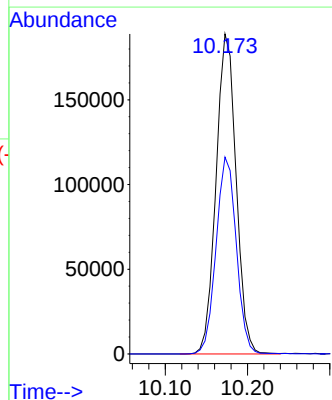
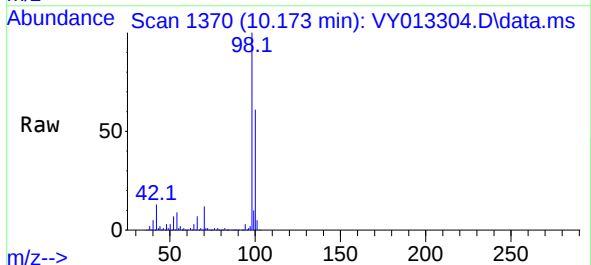


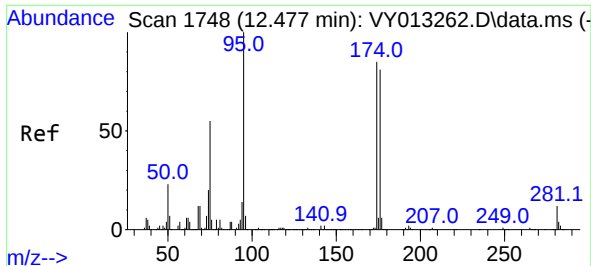
Tgt Ion:117 Resp: 14870
Ion Ratio Lower Upper
117 100
119 5.8 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 50.739 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

Tgt Ion: 98 Resp: 320787
Ion Ratio Lower Upper
98 100
100 62.1 50.9 76.3

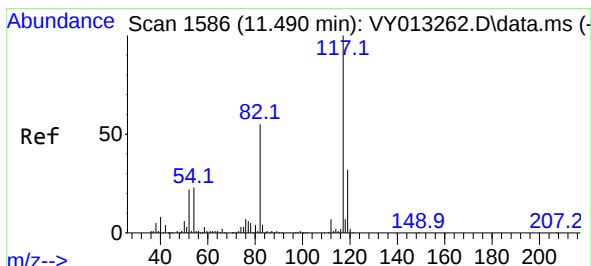
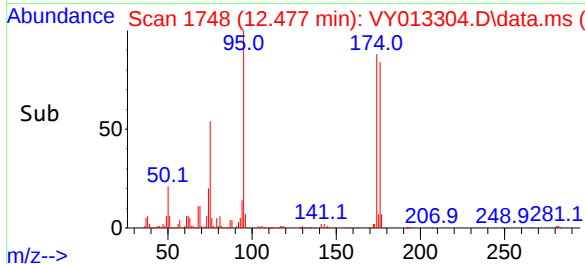
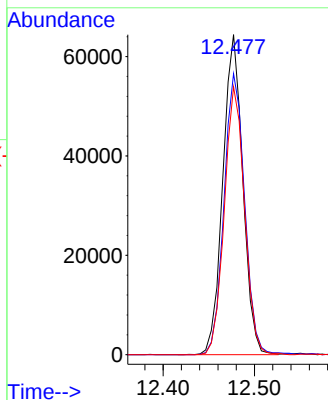
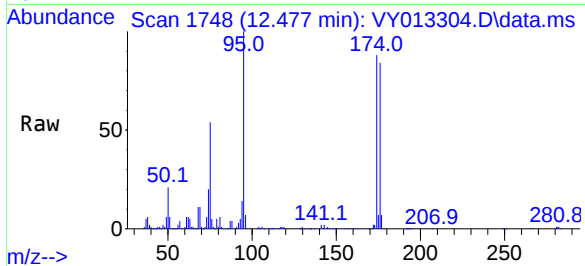




#62
4-Bromofluorobenzene
Concen: 47.656 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

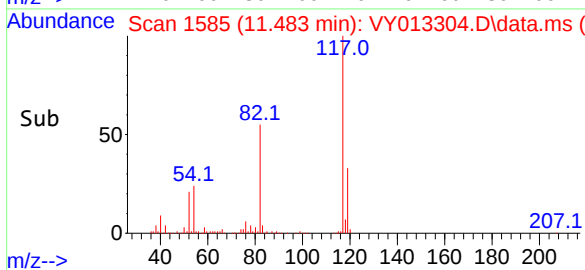
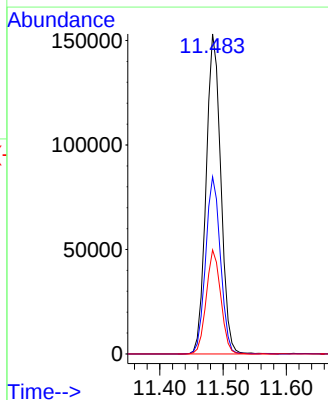
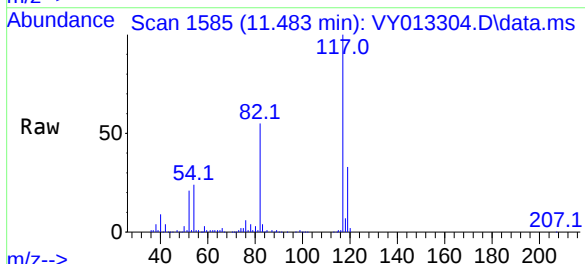
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-12

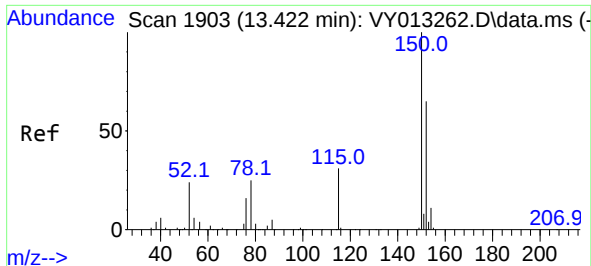
Tgt Ion: 95 Resp: 97895
Ion Ratio Lower Upper
95 100
174 90.7 0.0 176.6
176 84.8 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

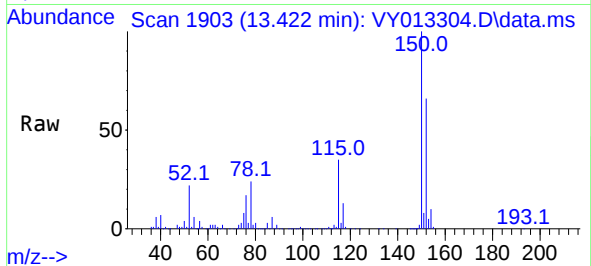
Tgt Ion: 117 Resp: 247701
Ion Ratio Lower Upper
117 100
82 55.4 45.4 68.0
119 32.5 25.6 38.4



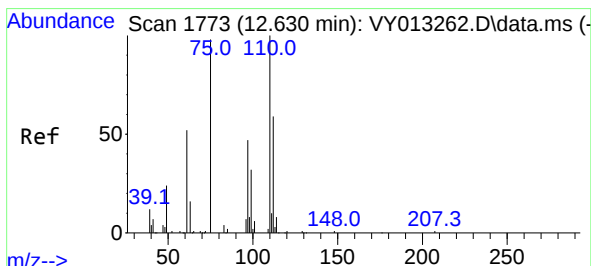
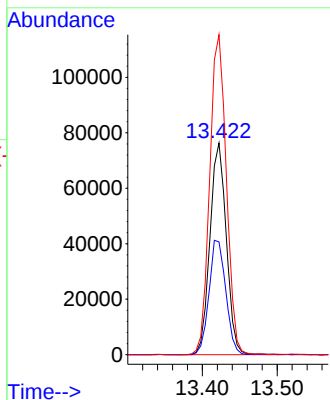
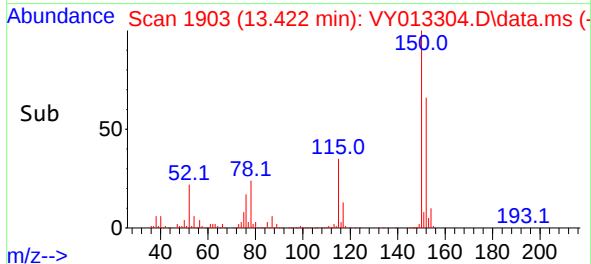


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

Instrument :
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ClientSampleId :
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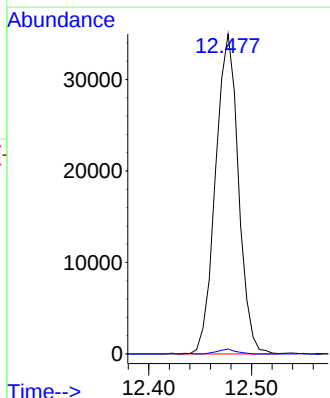
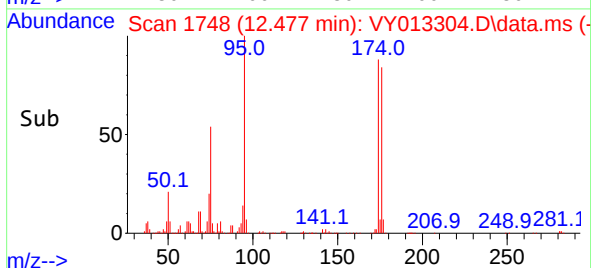
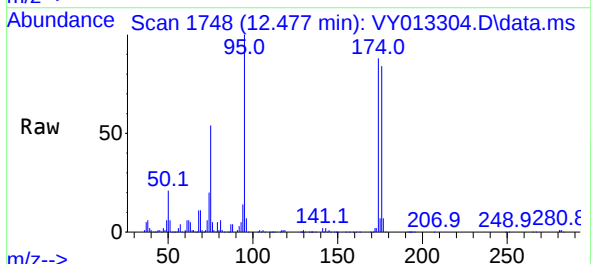


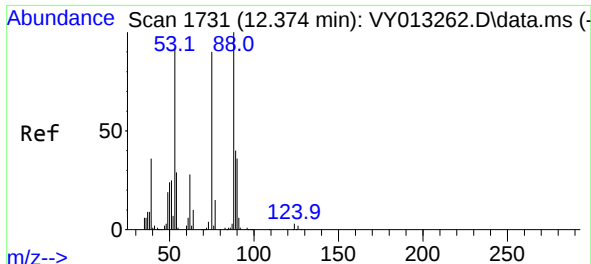
Tgt Ion:152 Resp: 116269
Ion Ratio Lower Upper
152 100
115 55.5 27.1 81.3
150 153.7 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 37.388 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

Tgt Ion: 75 Resp: 54167
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

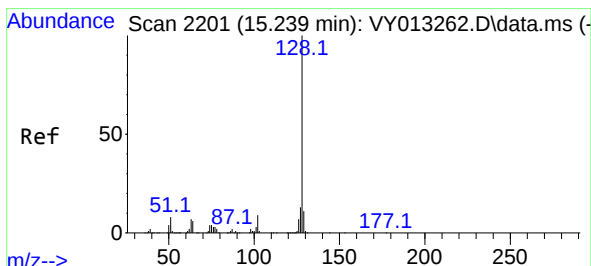
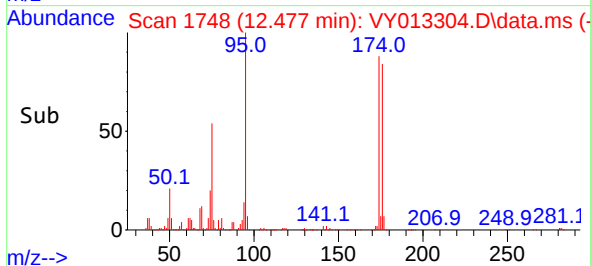
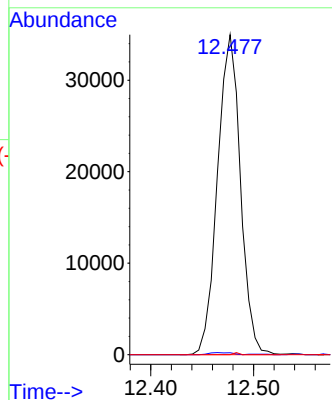
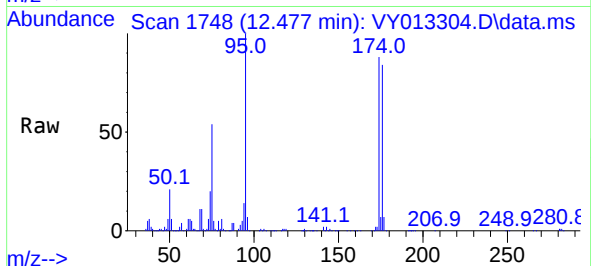




#81
trans-1,4-Dichloro-2-butene
Concen: 77.597 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

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MSVOA_Y
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Tgt Ion: 75 Resp: 54167
Ion Ratio Lower Upper
75 100
53 0.2 73.4 110.0#
89 0.2 36.6 55.0#



#95
Naphthalene
Concen: 3.258 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013304.D
Acq: 13 Apr 2023 18:26

Tgt Ion: 128 Resp: 294
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

