

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013298.D
 Acq On : 13 Apr 2023 16:05
 Operator : KP/MD
 Sample : 02224-11
 Misc : 4.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-06

Quant Time: Apr 14 03:00:54 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)

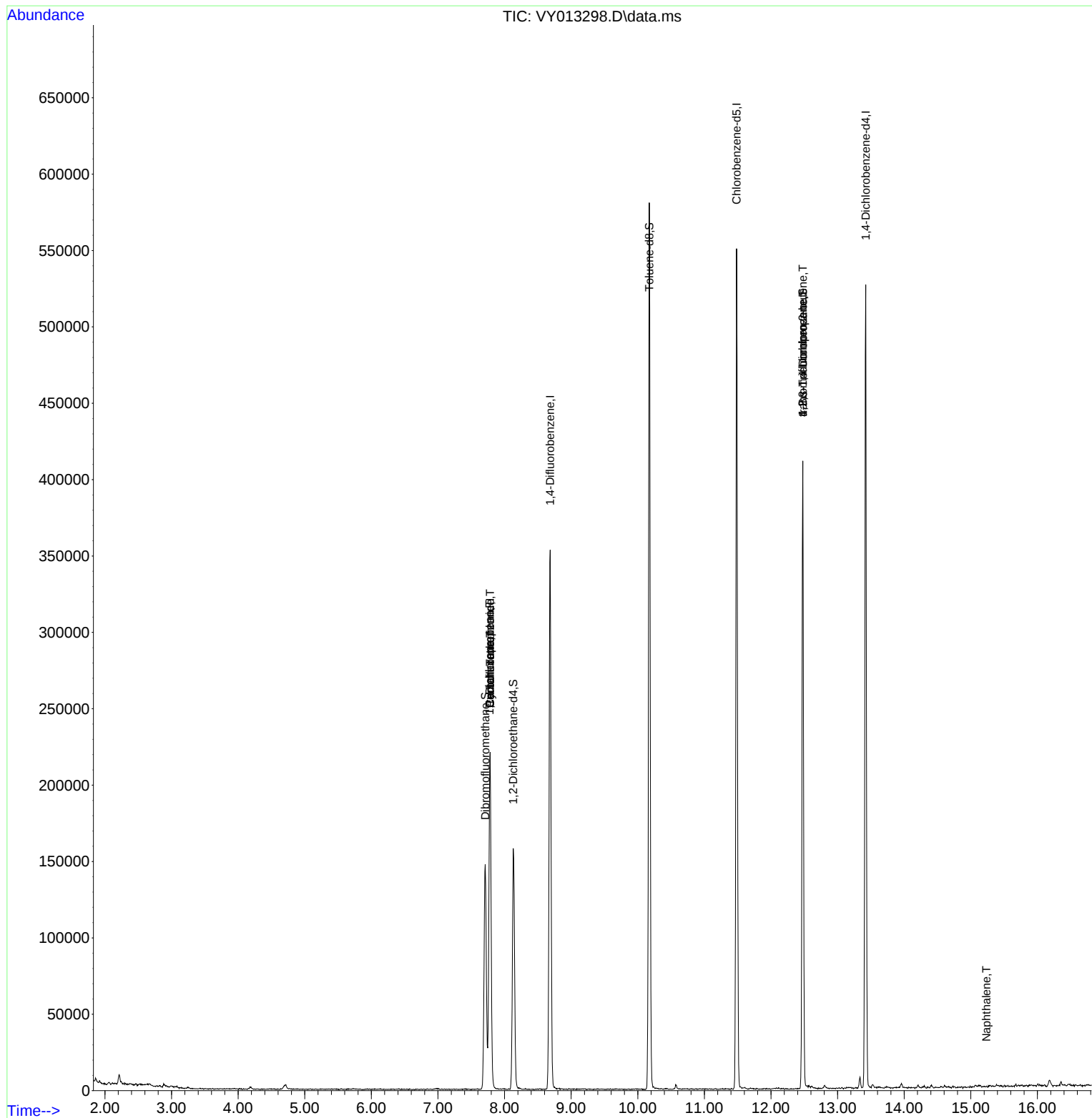
Internal Standards						
1) Pentafluorobenzene	7.783	168	167071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	292203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	277173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	123428	61.474	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 122.940%	
35) Dibromofluoromethane	7.710	113	104442	55.211	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.420%	
50) Toluene-d8	10.173	98	365507	51.909	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.820%	
62) 4-Bromofluorobenzene	12.477	95	113031	49.406	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	77	Below Cal	#	74
20) Methylene Chloride	4.710	84	1922	Below Cal	#	93
31) Cyclohexane	7.783	56	4106	1.352	ug/l #	7
36) 1,1-Dichloropropene	7.777	75	13392	4.673	ug/l #	49
38) Carbon Tetrachloride	7.783	117	15962	5.037	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	61696	37.784	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61696	78.420	ug/l #	13
95) Naphthalene	15.233	128	373	3.265	ug/l #	69

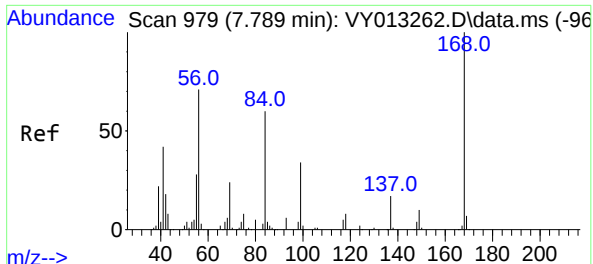
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 14 03:00:54 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

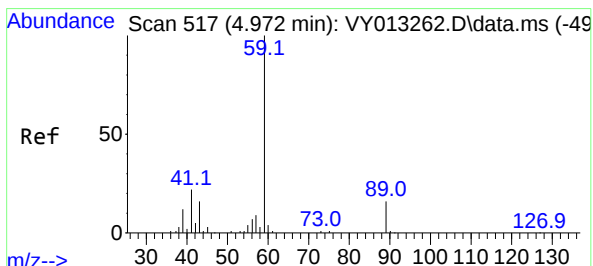
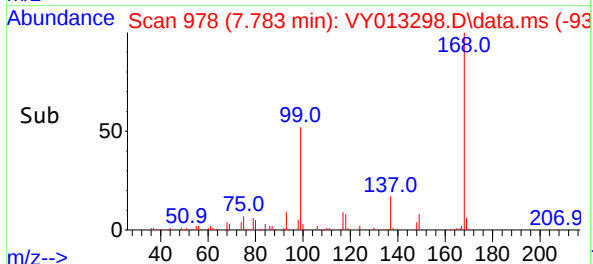
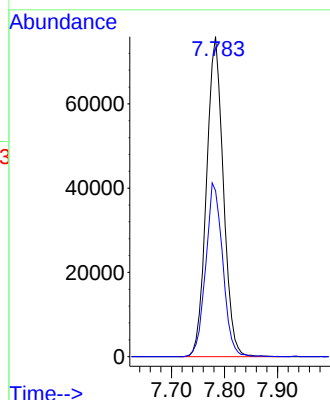
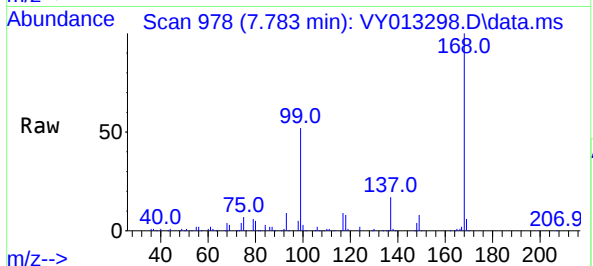




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

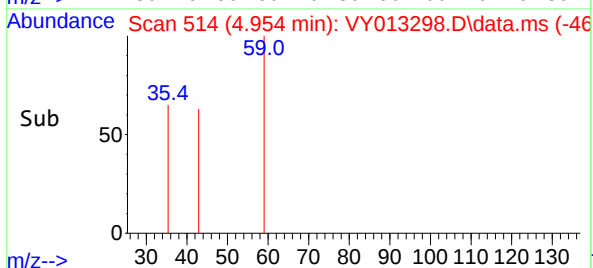
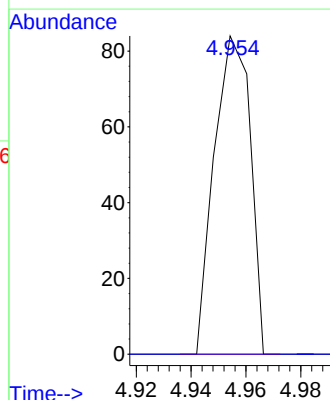
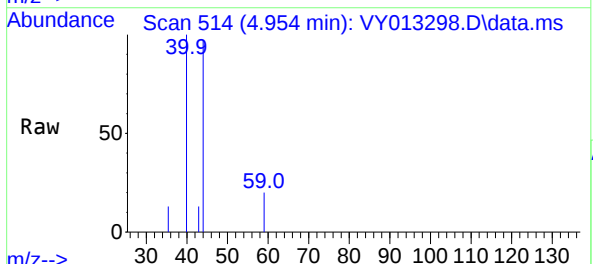
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-06

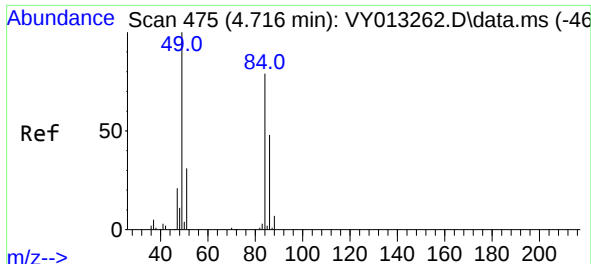
Tgt Ion:168 Resp: 167071
Ion Ratio Lower Upper
168 100
99 51.9 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

Tgt Ion: 59 Resp: 77
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



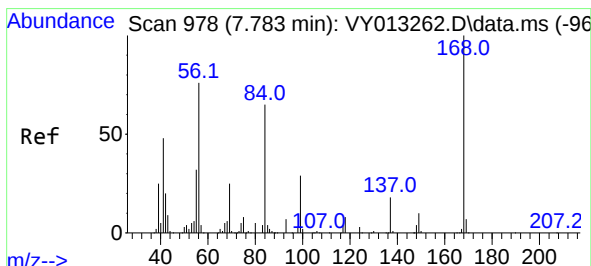
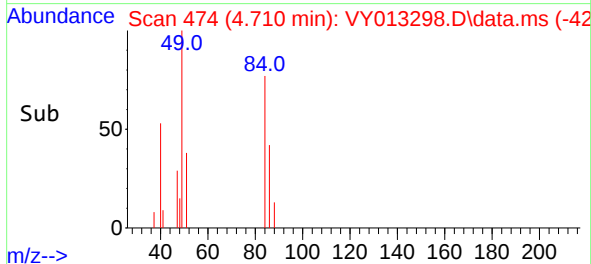
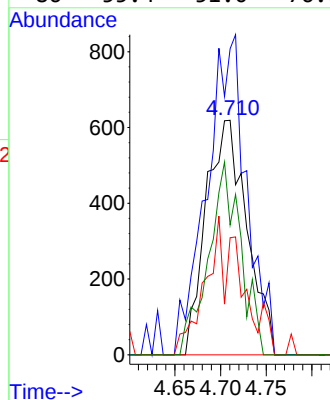
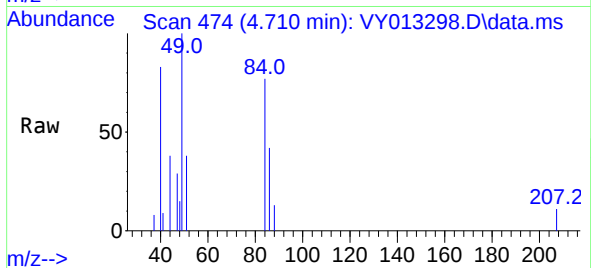


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-06

Tgt Ion: 84 Resp: 1922

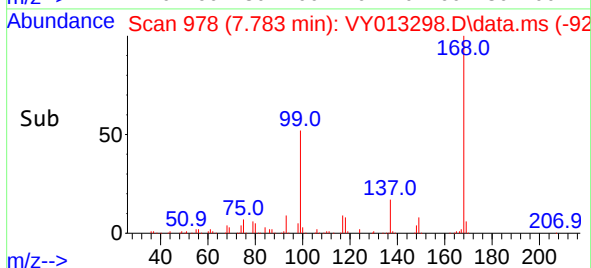
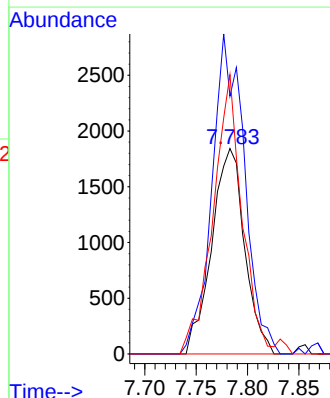
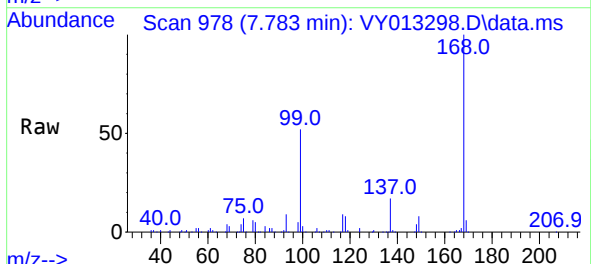
Ion	Ratio	Lower	Upper
84	100		
49	130.5	102.6	154.0
51	49.9	31.9	47.9#
86	55.4	51.0	76.6

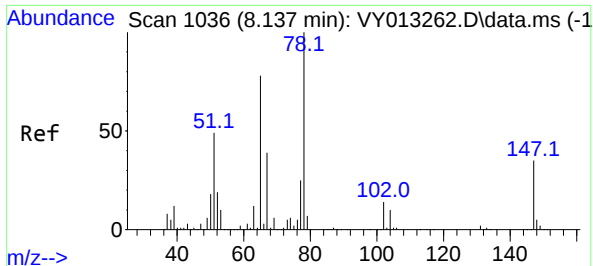


#31
Cyclohexane
Concen: 1.352 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.000 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

Tgt Ion: 56 Resp: 4106

Ion	Ratio	Lower	Upper
56	100		
69	125.5	25.7	38.5#
84	136.0	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 61.474 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY013298.D

Acq: 13 Apr 2023 16:05

Instrument :

MSVOA_Y

ClientSampleId :

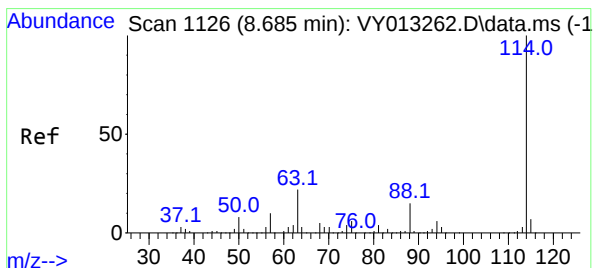
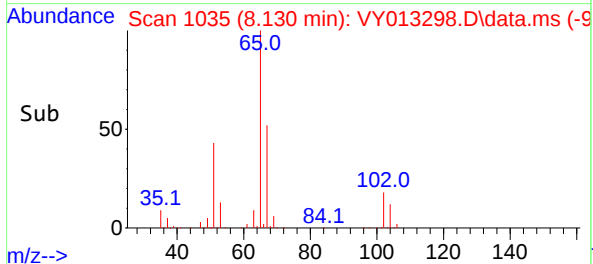
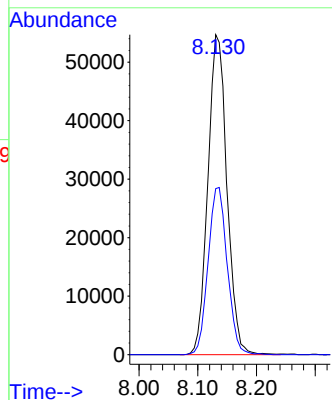
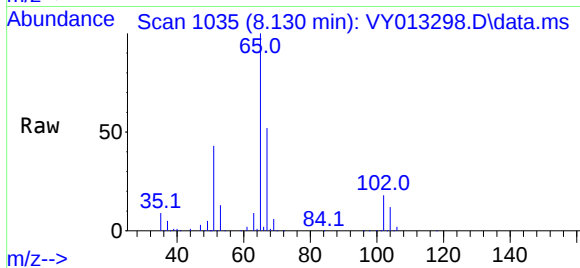
OU3-FC-BACKFILL-06

Tgt Ion: 65 Resp: 123428

Ion Ratio Lower Upper

65 100

67 52.5 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: VY013298.D

Acq: 13 Apr 2023 16:05

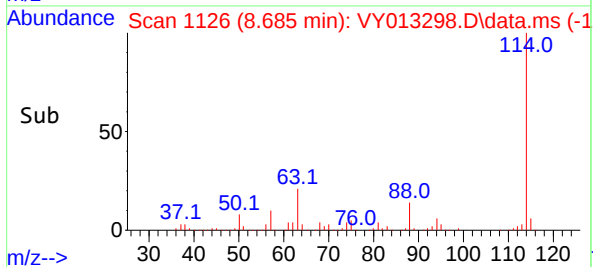
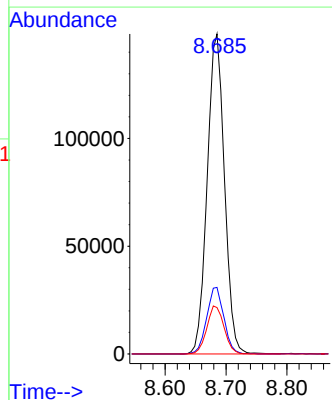
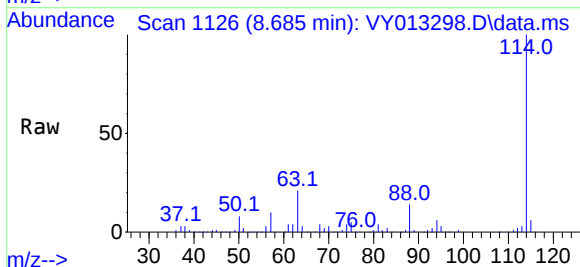
Tgt Ion: 114 Resp: 292203

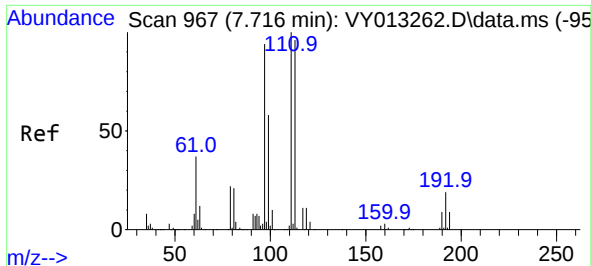
Ion Ratio Lower Upper

114 100

63 20.8 0.0 37.4

88 14.5 0.0 28.6

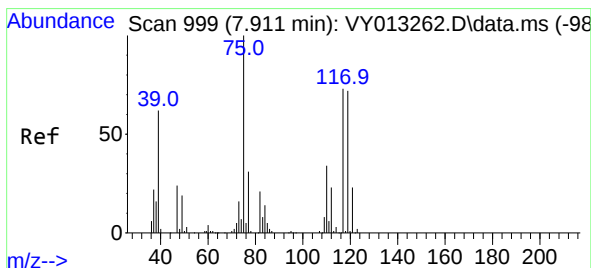
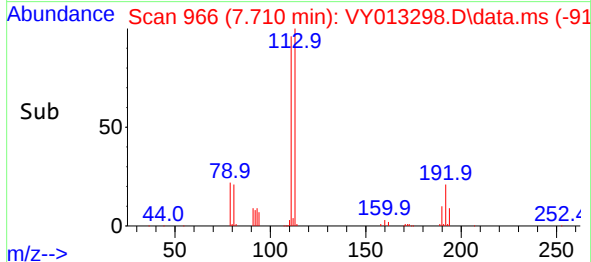
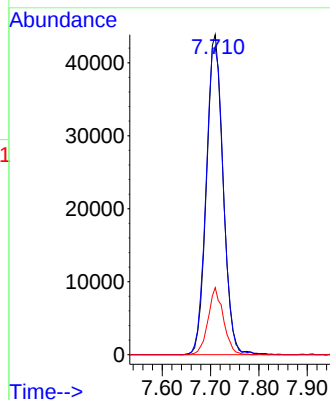
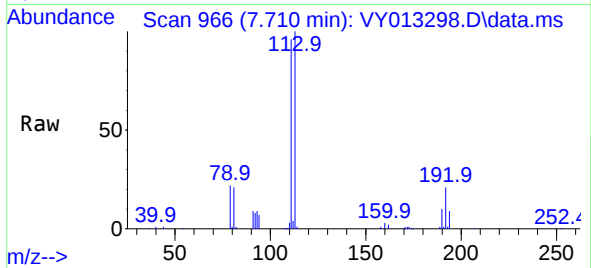




#35
Dibromofluoromethane
Concen: 55.211 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

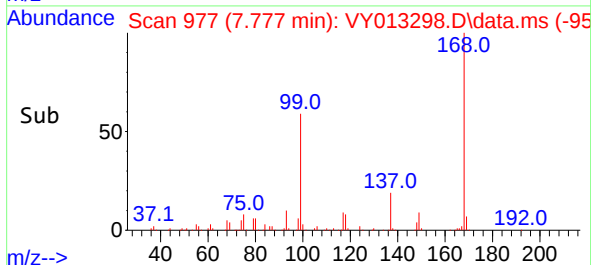
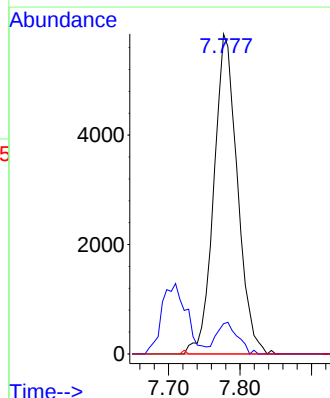
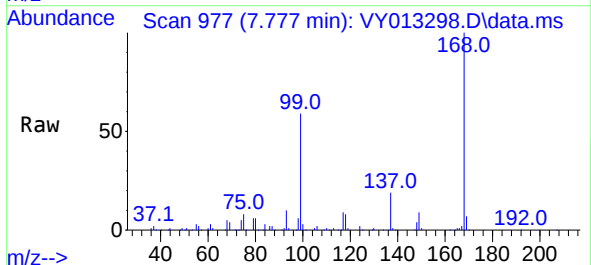
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-06

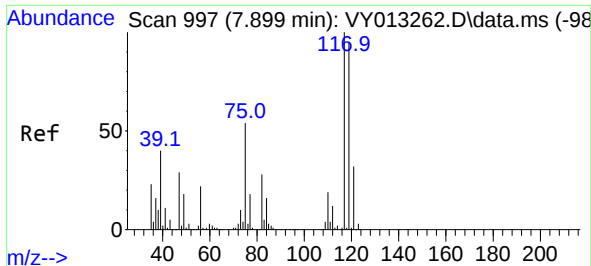
Tgt Ion:113 Resp: 104442
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.2
192 19.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.673 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

Tgt Ion: 75 Resp: 13392
Ion Ratio Lower Upper
75 100
110 9.0 17.8 53.3#
77 0.0 25.0 37.4#

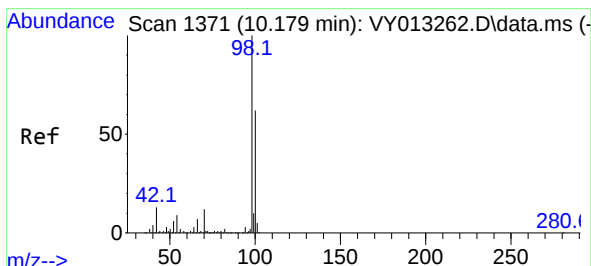
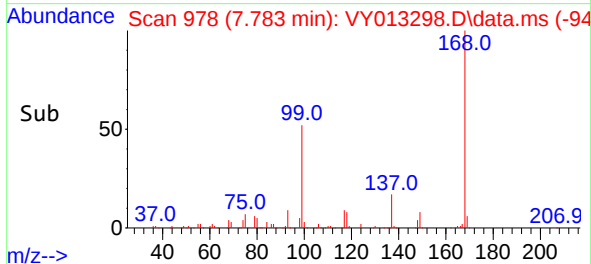
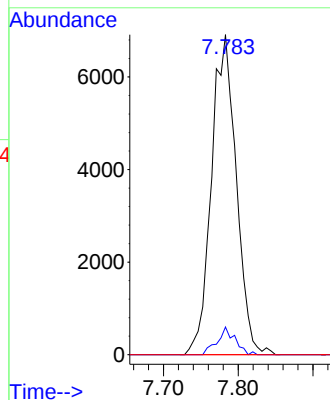
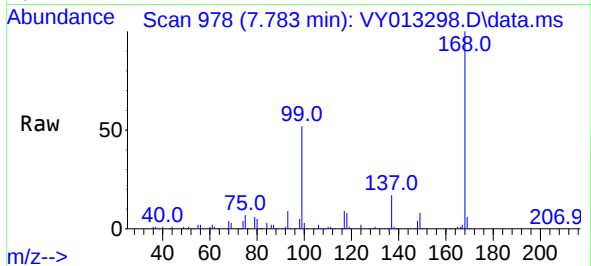




#38
Carbon Tetrachloride
Concen: 5.037 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

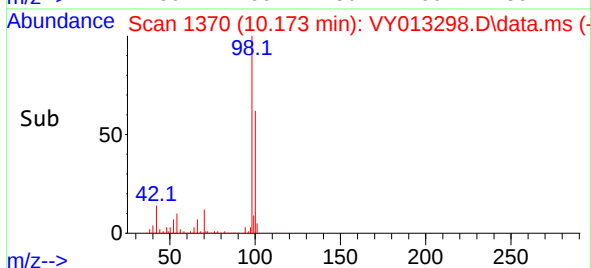
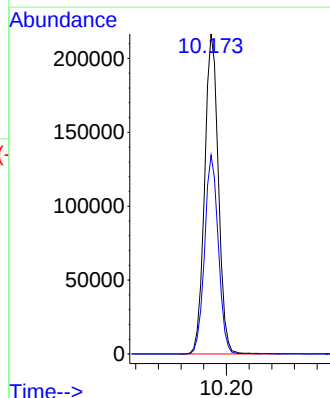
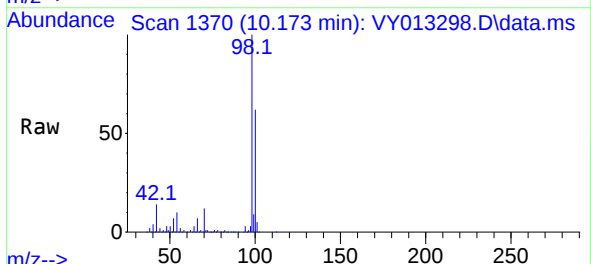
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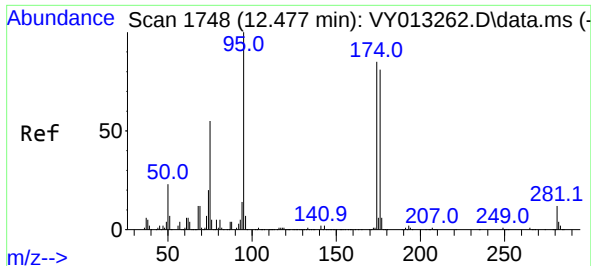
Tgt Ion:117 Resp: 15962
Ion Ratio Lower Upper
117 100
119 8.6 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.909 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

Tgt Ion: 98 Resp: 365507
Ion Ratio Lower Upper
98 100
100 61.9 50.9 76.3

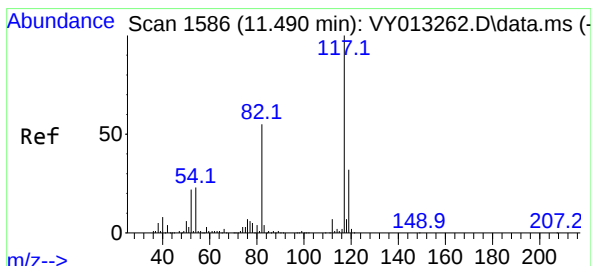
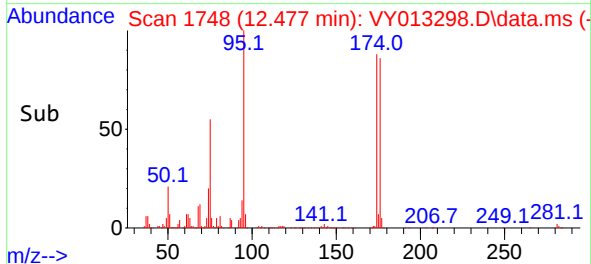
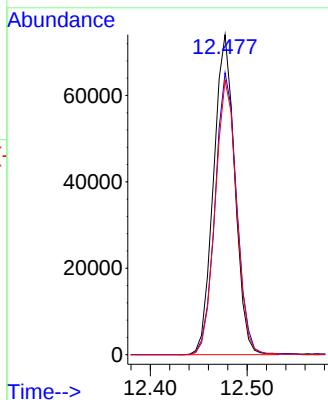
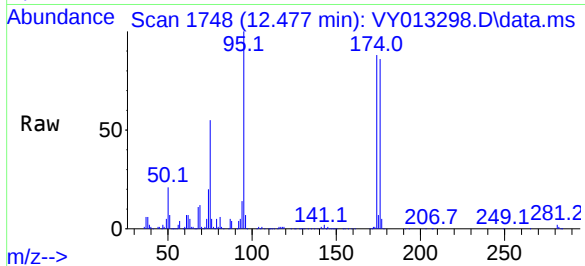




#62
4-Bromofluorobenzene
Concen: 49.406 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

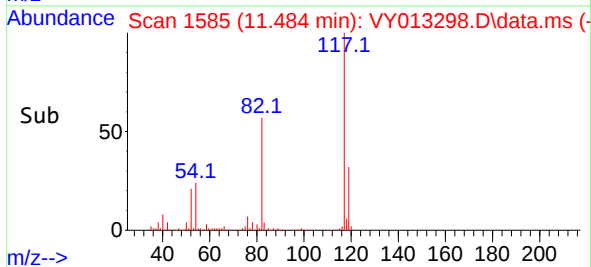
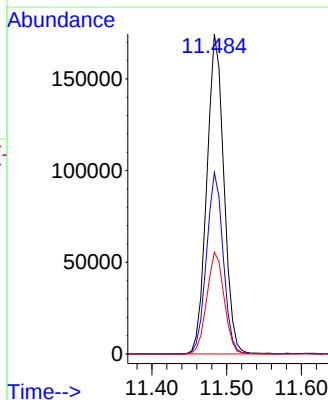
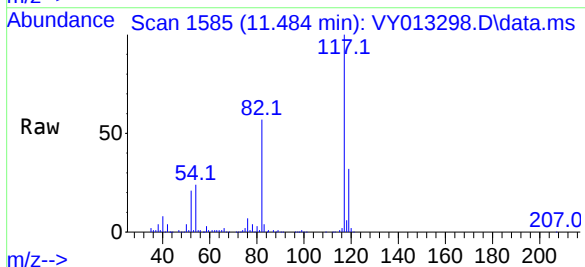
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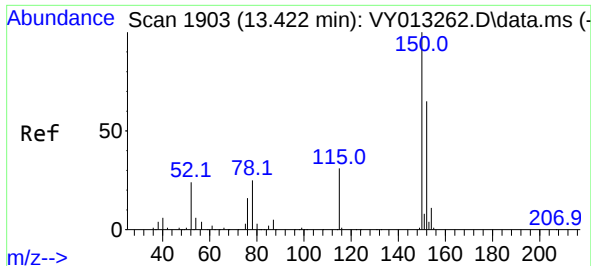
Tgt Ion: 95 Resp: 113031
Ion Ratio Lower Upper
95 100
174 89.3 0.0 176.6
176 86.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

Tgt Ion: 117 Resp: 277173
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.0
119 31.8 25.6 38.4

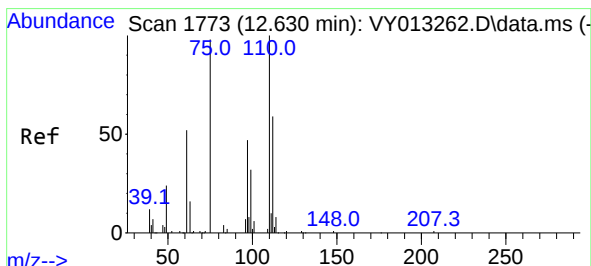
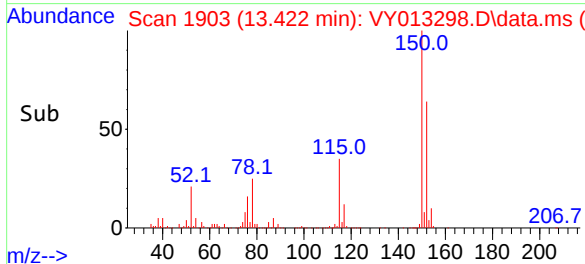
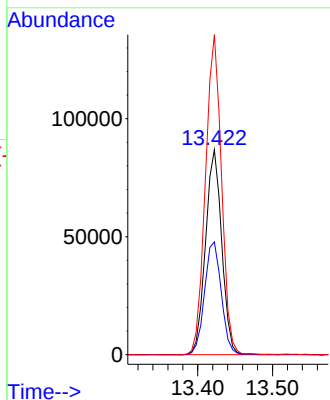
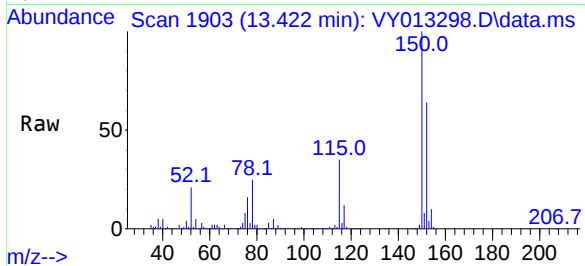




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

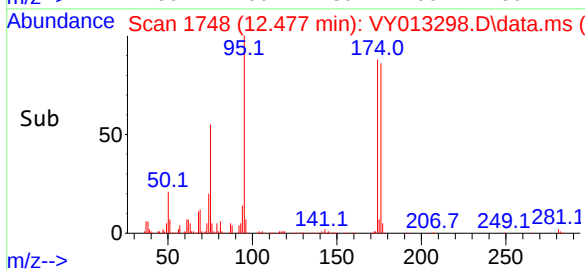
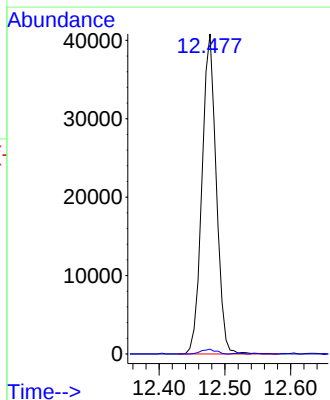
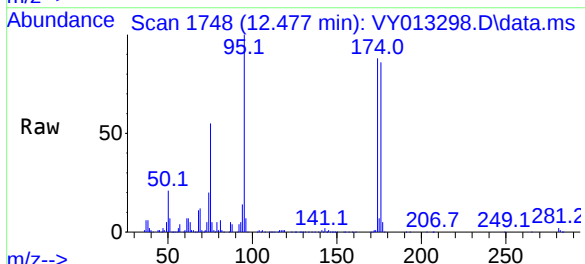
Instrument :
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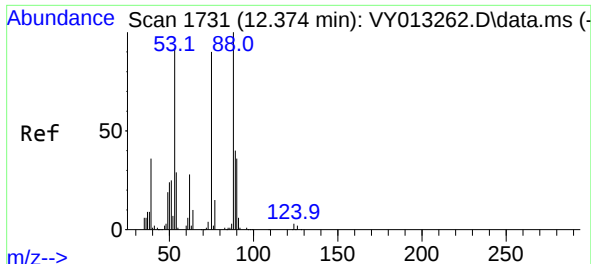
Tgt Ion:152 Resp: 131040
Ion Ratio Lower Upper
152 100
115 56.9 27.1 81.3
150 154.6 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 37.784 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

Tgt Ion: 75 Resp: 61696
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

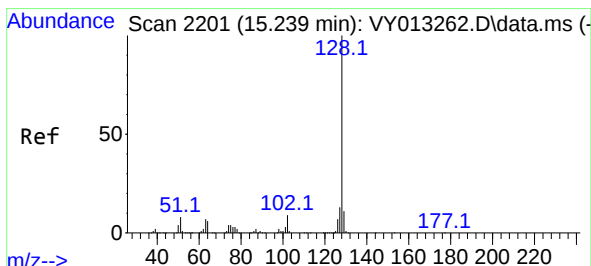
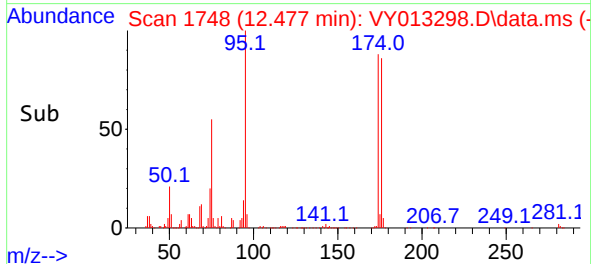
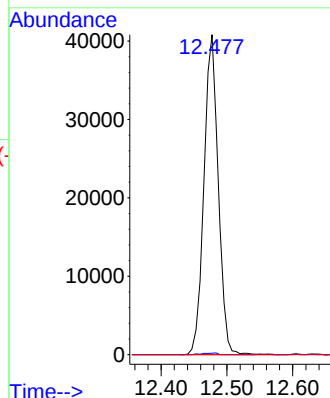
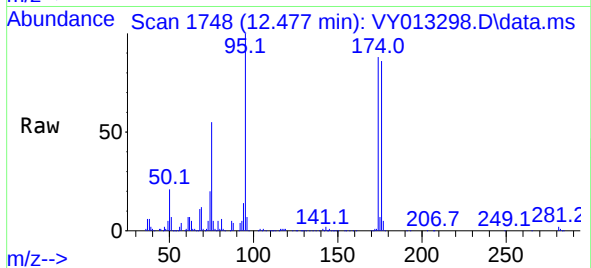




#81
trans-1,4-Dichloro-2-butene
Concen: 78.420 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-06

Tgt Ion: 75 Resp: 61696
Ion Ratio Lower Upper
75 100
53 0.5 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.265 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013298.D
Acq: 13 Apr 2023 16:05

Tgt Ion:128 Resp: 373
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

