

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013295.D
 Acq On : 13 Apr 2023 14:55
 Operator : KP/MD
 Sample : 02224-05
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-03

Quant Time: Apr 14 03:00:25 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)

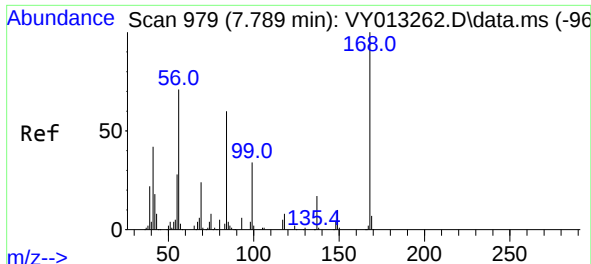
Internal Standards						
1) Pentafluorobenzene	7.783	168	169707	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	291178	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	279161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	126436	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123303	60.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.920%	
35) Dibromofluoromethane	7.710	113	104274	55.316	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.640%	
50) Toluene-d8	10.173	98	362063	51.601	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.200%	
62) 4-Bromofluorobenzene	12.477	95	114741	50.330	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.660%	
Target Compounds						Qvalue
20) Methylene Chloride	4.704	84	1713	Below Cal	90	
31) Cyclohexane	7.777	56	4438	1.439	ug/l #	19
36) 1,1-Dichloropropene	7.783	75	13403	4.693	ug/l #	49
38) Carbon Tetrachloride	7.777	117	16566	5.246	ug/l #	17
49) 1,4-Dioxane	9.252	88	26	1.486	ug/l #	23
76) 1,2,3-Trichloropropane	12.477	75	62038	39.377	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62038	81.727	ug/l #	13
95) Naphthalene	15.233	128	684	3.320	ug/l #	69

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

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The chromatogram displays the abundance of various compounds over time. The y-axis represents Abundance, ranging from 0 to 650,000. The x-axis represents Time in minutes, ranging from 2.00 to 16.00. The following table summarizes the identified peaks:

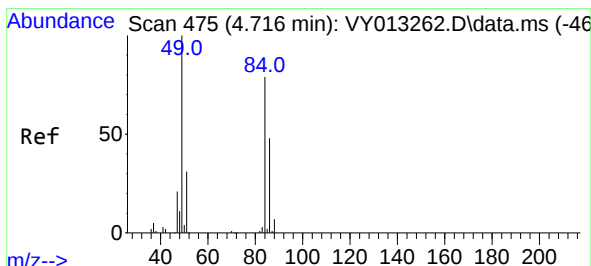
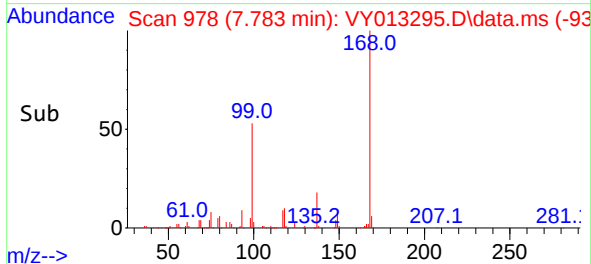
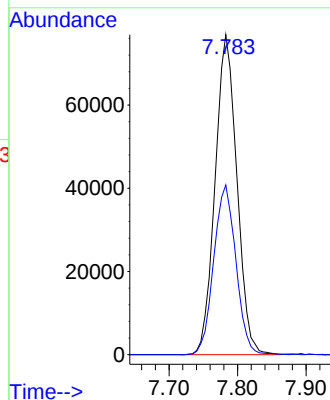
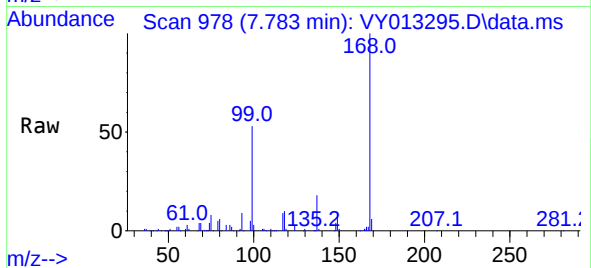
Compound	Approximate Retention Time (min)	Approximate Abundance
Dibromodifluoromethane	7.8	150,000
Chlorodifluoromethane	7.9	330,000
1,2-Dichloroethane-d4	8.1	150,000
1,4-Difluorobenzene	8.8	350,000
1,4-Dioxane	9.3	50,000
Toluene-d8	10.2	510,000
Chlorobenzene-d5	11.5	520,000
1,2,3,4-Tetrachlorobenzene	12.4	410,000
1,2,3,5-Tetrachlorobenzene	12.5	440,000
1,4-Dichlorobenzene-d4	13.4	510,000
Naphthalene	15.1	50,000



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

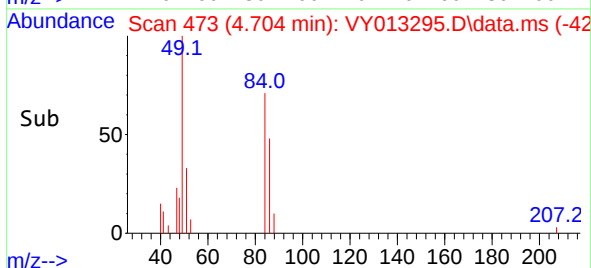
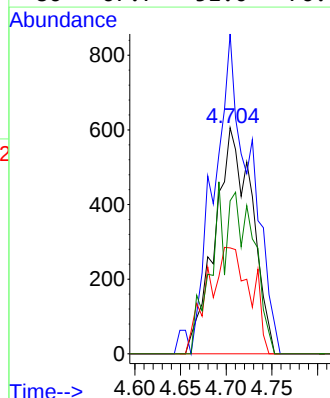
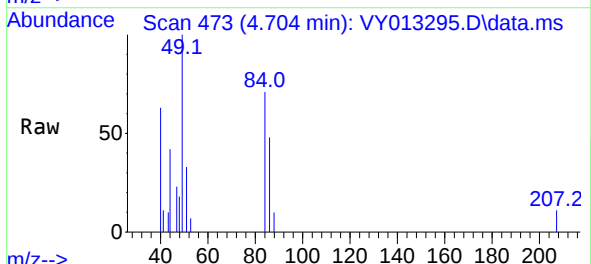
Instrument :
MSVOA_Y
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OU3-FC-BACKFILL-03

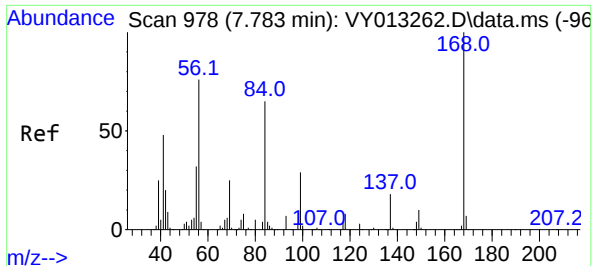
Tgt Ion:168 Resp: 169707
Ion Ratio Lower Upper
168 100
99 53.1 41.7 62.5



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

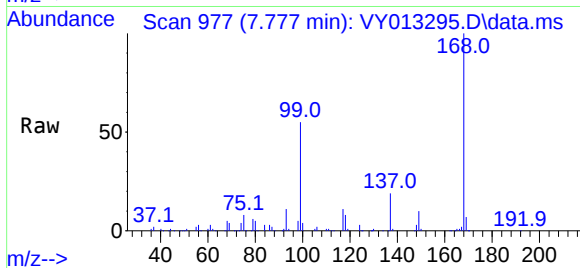
Tgt Ion: 84 Resp: 1713
Ion Ratio Lower Upper
84 100
49 141.4 102.6 154.0
51 46.9 31.9 47.9
86 67.7 51.0 76.6



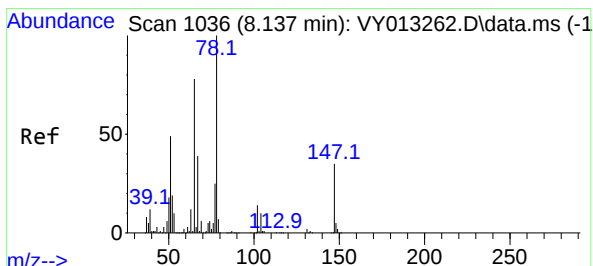
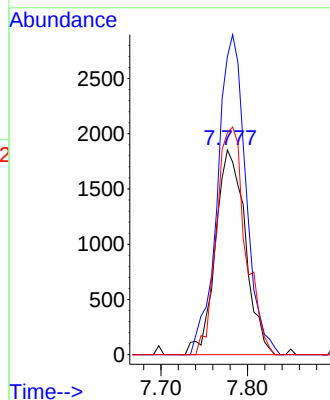
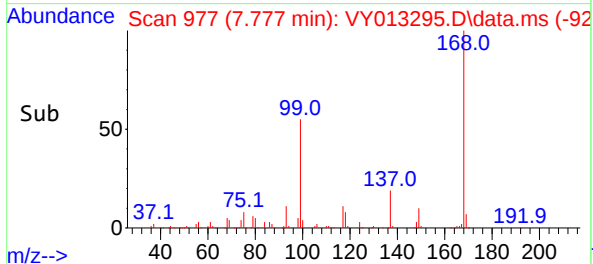


#31
Cyclohexane
Concen: 1.439 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

Instrument :
MSVOA_Y
ClientSampleId :
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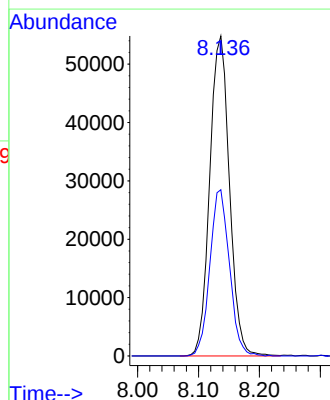
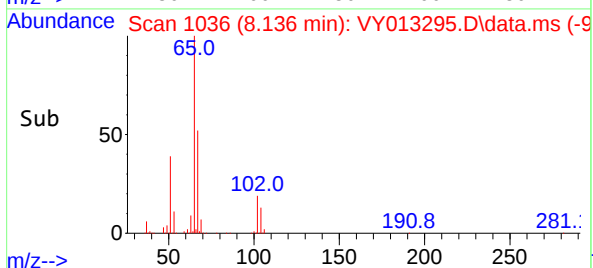
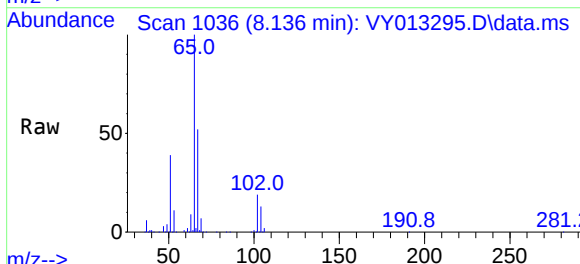


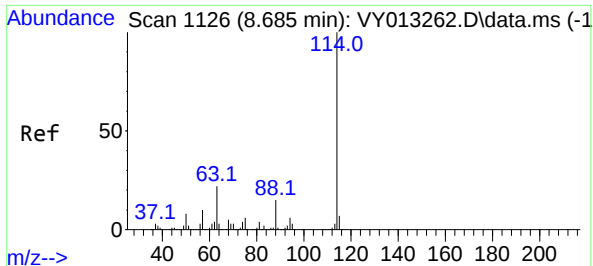
Tgt Ion: 56 Resp: 4438
Ion Ratio Lower Upper
56 100
69 145.7 25.7 38.5#
84 108.4 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 60.458 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

Tgt Ion: 65 Resp: 123303
Ion Ratio Lower Upper
65 100
67 51.6 0.0 104.0

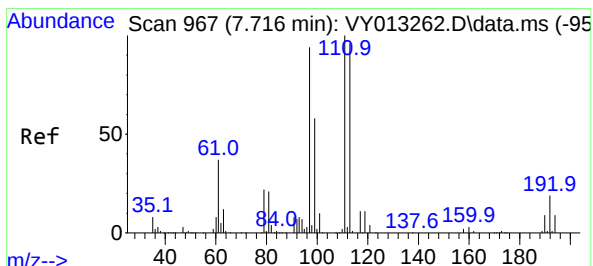
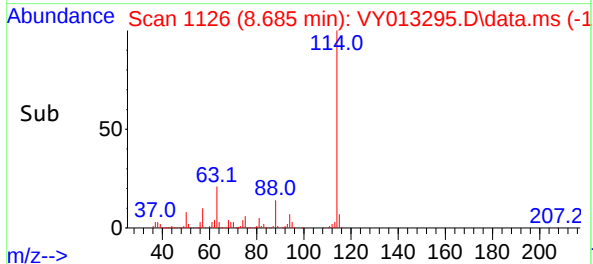
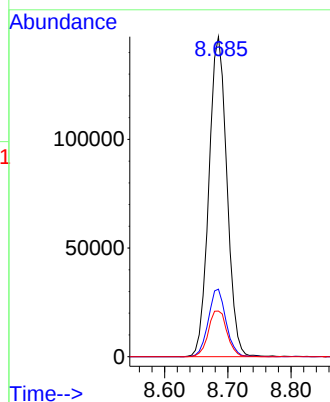
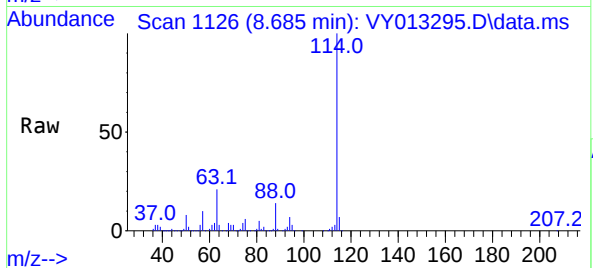




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

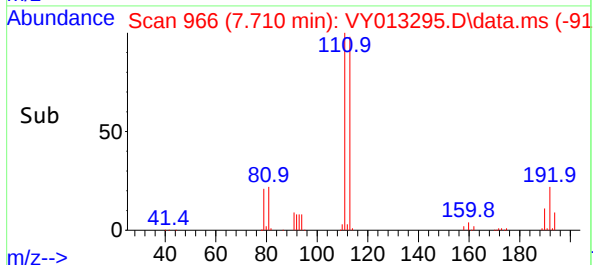
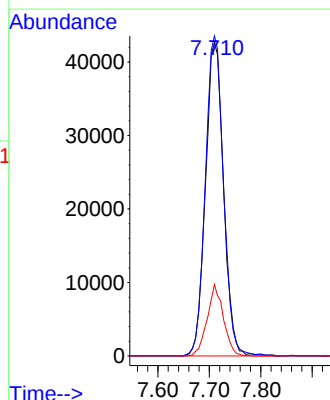
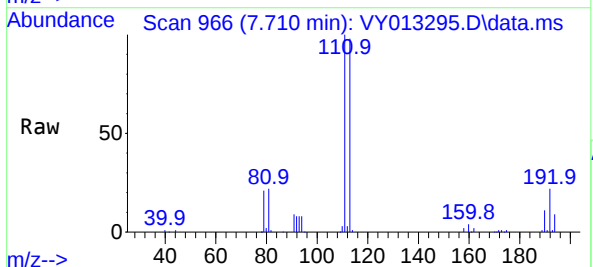
Instrument :
MSVOA_Y
ClientSampleId :
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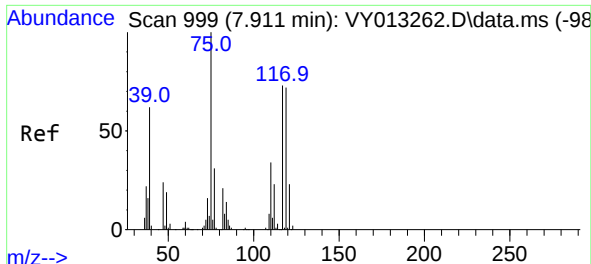
Tgt Ion:114 Resp: 291178
Ion Ratio Lower Upper
114 100
63 21.1 0.0 37.4
88 14.2 0.0 28.6



#35
Dibromofluoromethane
Concen: 55.316 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

Tgt Ion:113 Resp: 104274
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 20.5 16.8 25.2

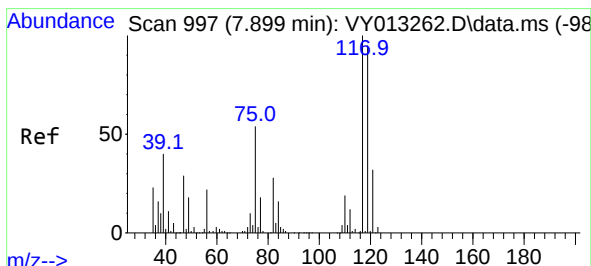
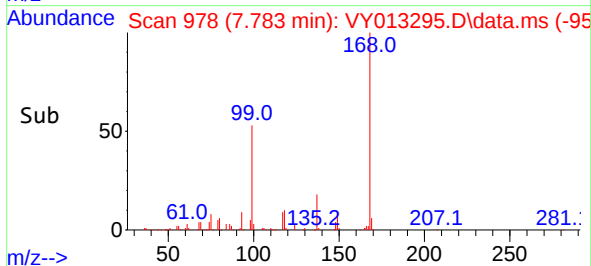
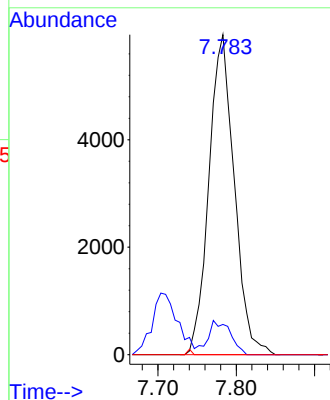
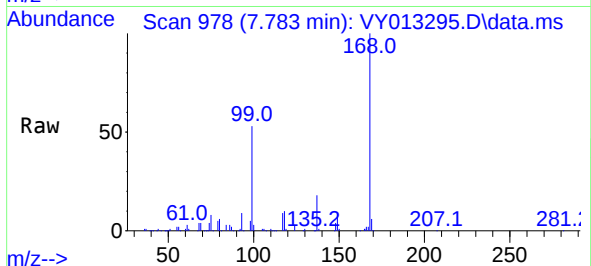




#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

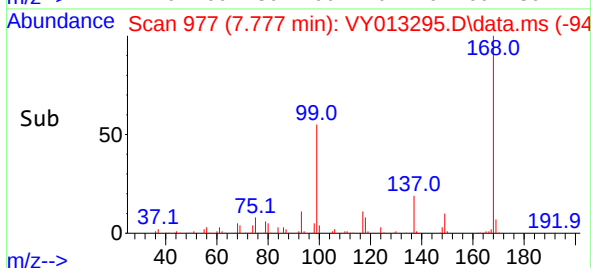
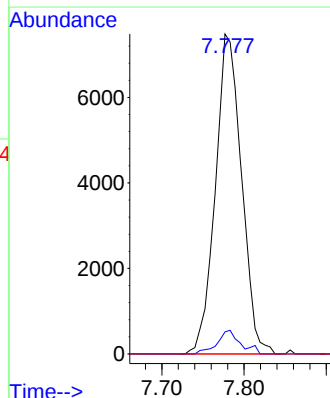
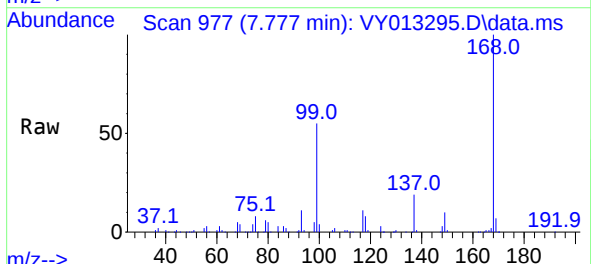
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ClientSampleId :
OU3-FC-BACKFILL-03

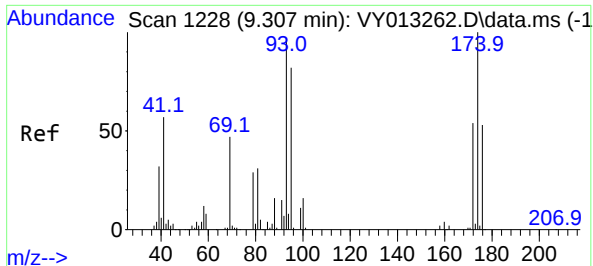
Tgt Ion: 75 Resp: 13403
Ion Ratio Lower Upper
75 100
110 8.6 17.8 53.3#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.246 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.122 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

Tgt Ion: 117 Resp: 16566
Ion Ratio Lower Upper
117 100
119 6.9 77.2 115.8#
121 0.0 24.7 37.1#

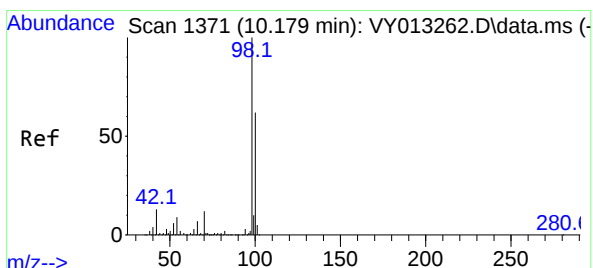
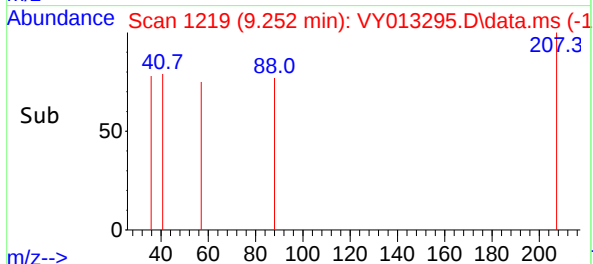
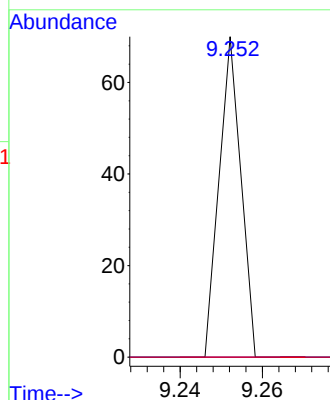
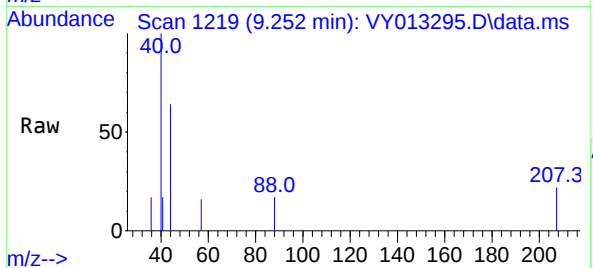




#49
1,4-Dioxane
Concen: 1.486 ug/l
RT: 9.252 min Scan# 11
Delta R.T. -0.055 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

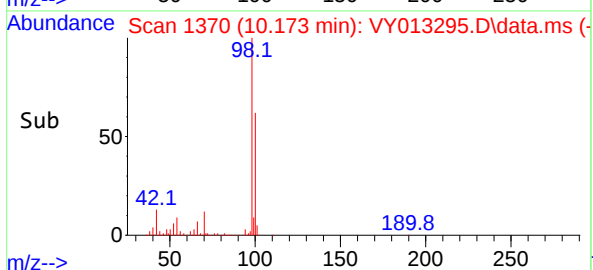
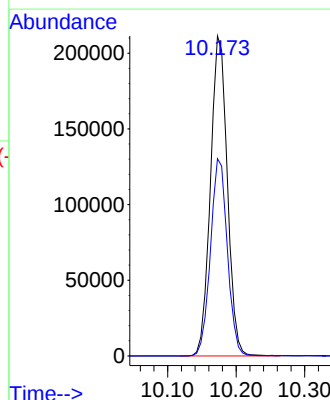
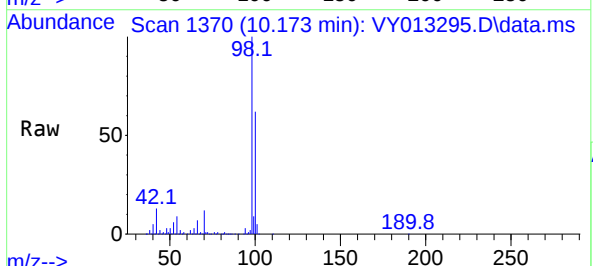
Instrument :
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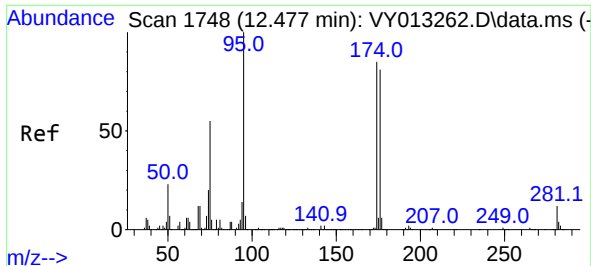
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 0.0 55.2 82.8#



#50
Toluene-d8
Concen: 51.601 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

Tgt Ion: 98 Resp: 362063
Ion Ratio Lower Upper
98 100
100 61.8 50.9 76.3

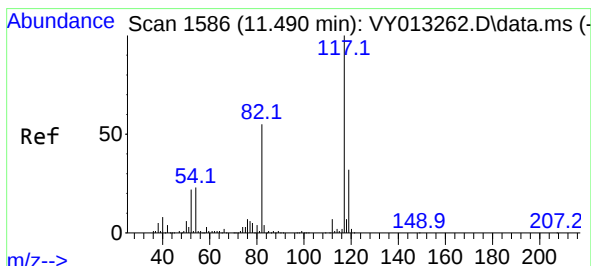
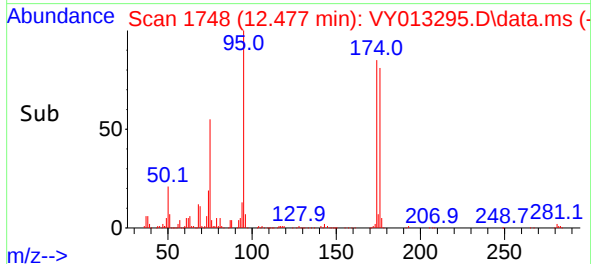
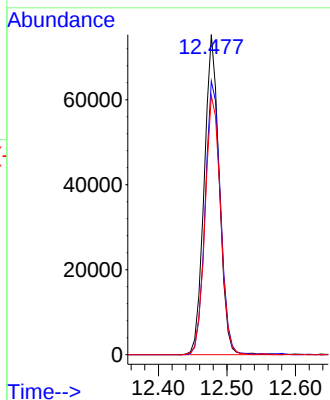
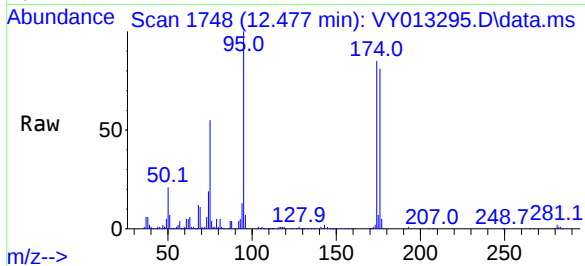




#62
4-Bromofluorobenzene
Concen: 50.330 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

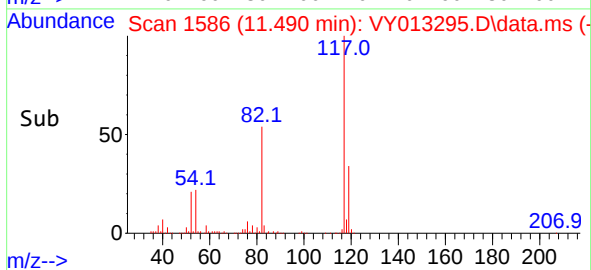
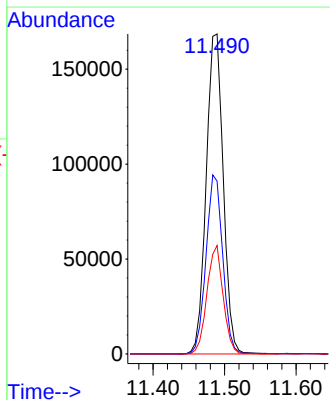
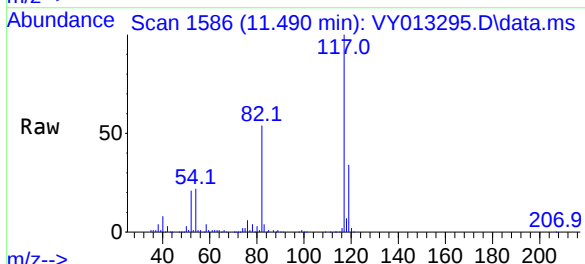
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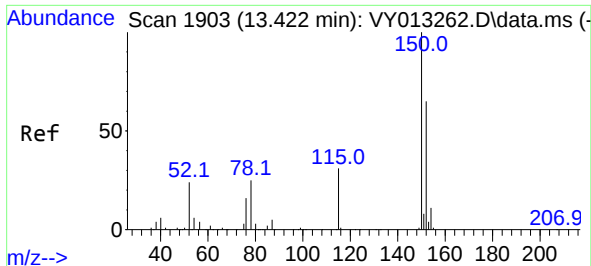
Tgt Ion: 95 Resp: 114741
Ion Ratio Lower Upper
95 100
174 87.5 0.0 176.6
176 83.3 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

Tgt Ion: 117 Resp: 279161
Ion Ratio Lower Upper
117 100
82 54.0 45.4 68.0
119 33.9 25.6 38.4

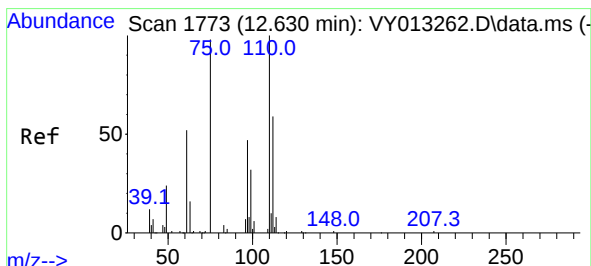
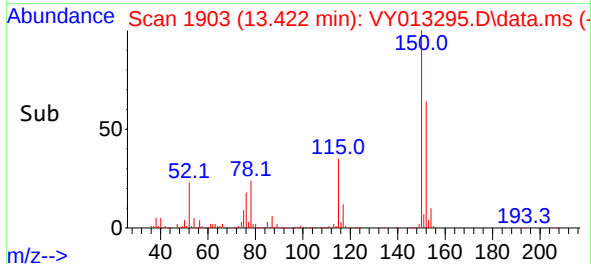
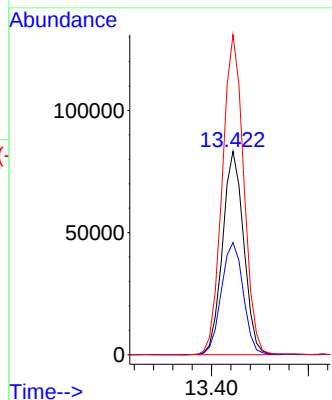
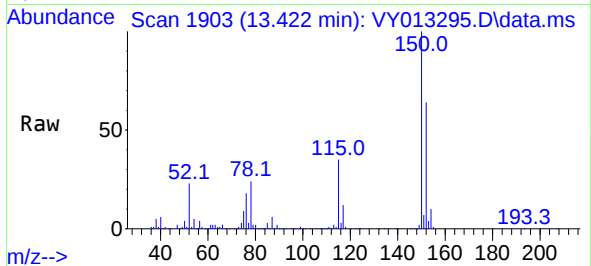




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

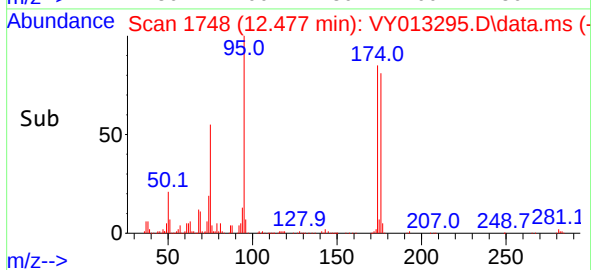
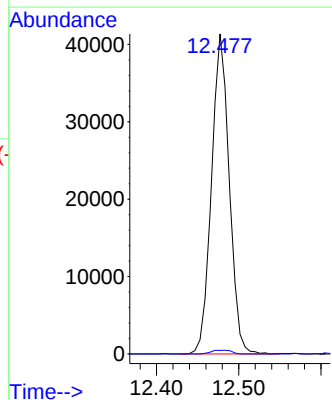
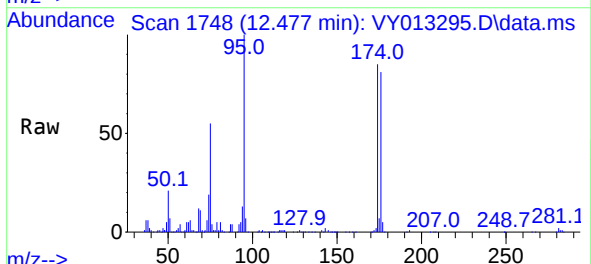
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-03

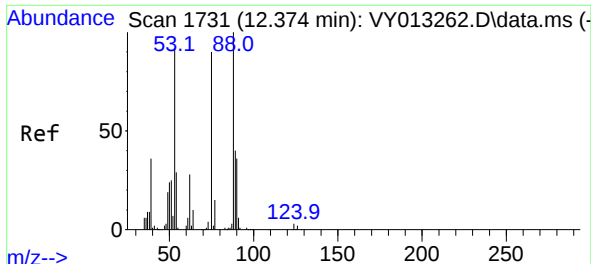
Tgt Ion:152 Resp: 126436
Ion Ratio Lower Upper
152 100
115 57.3 27.1 81.3
150 159.8 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 39.377 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

Tgt Ion: 75 Resp: 62038
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

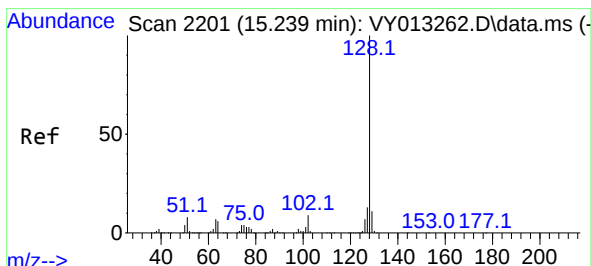
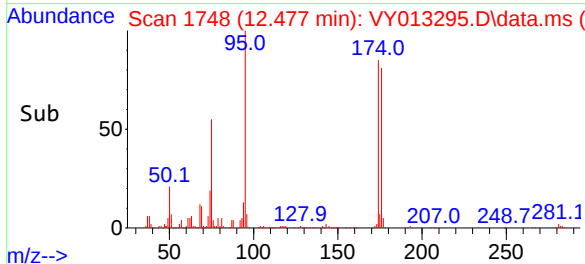
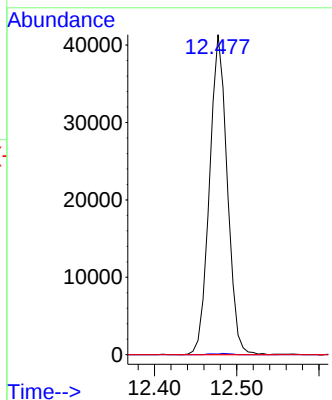
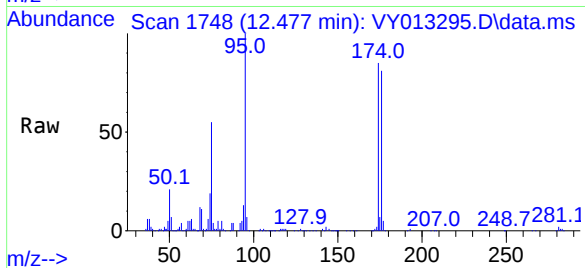




#81
trans-1,4-Dichloro-2-butene
Concen: 81.727 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-03

Tgt Ion: 75 Resp: 62038
Ion Ratio Lower Upper
75 100
53 0.4 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.320 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013295.D
Acq: 13 Apr 2023 14:55

Tgt Ion: 128 Resp: 684
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

