

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013296.D
 Acq On : 13 Apr 2023 15:19
 Operator : KP/MD
 Sample : 02224-07
 Misc : 5.33g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-04

Quant Time: Apr 14 03:00:35 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)

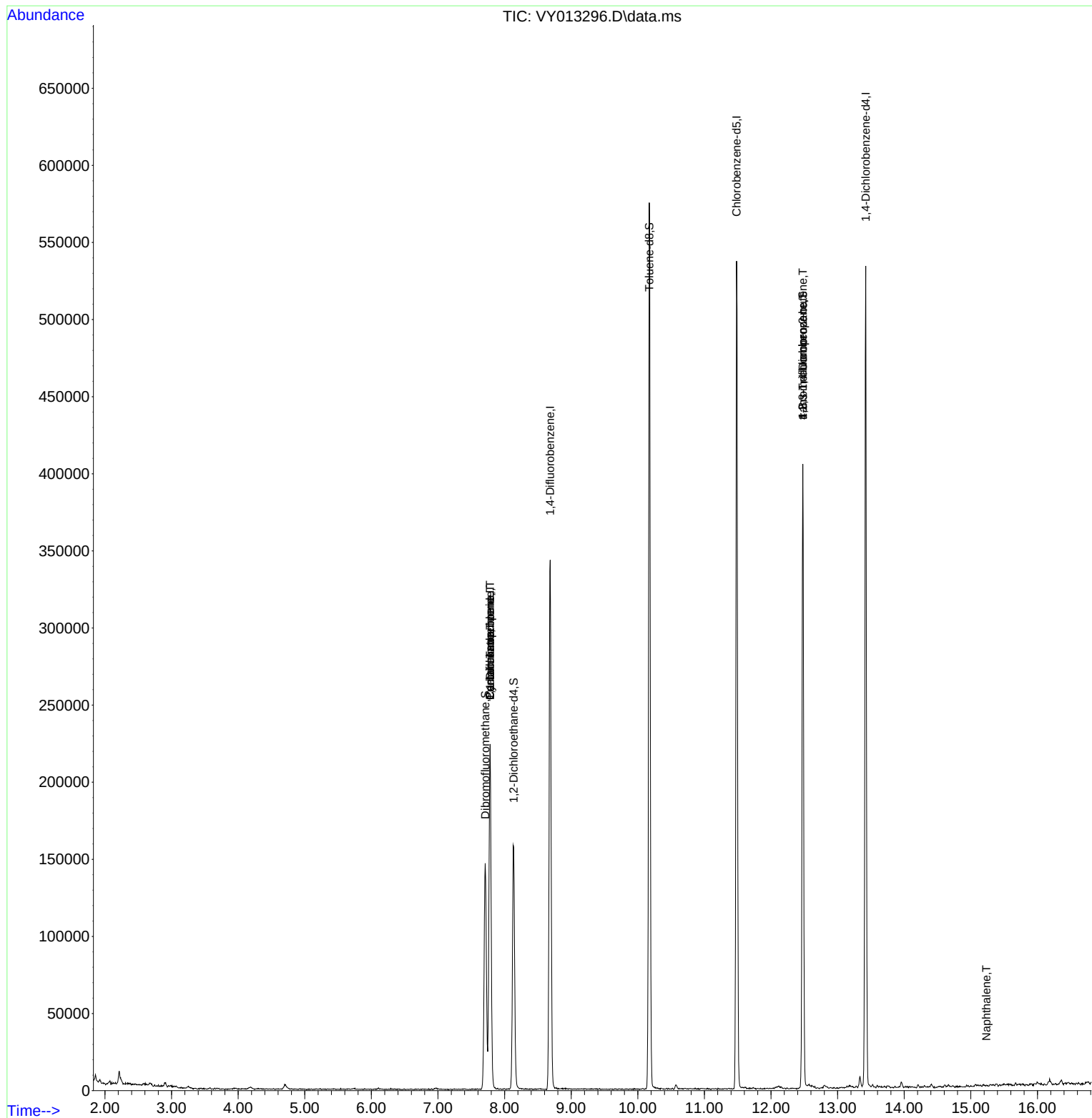
Internal Standards						
1) Pentafluorobenzene	7.783	168	166849	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	291370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	278137	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130446	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	125471	62.575	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.140%	
35) Dibromofluoromethane	7.710	113	103823	55.040	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.080%	
50) Toluene-d8	10.173	98	361245	51.451	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.900%	
62) 4-Bromofluorobenzene	12.477	95	114890	50.362	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.720%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	51	Below Cal	#	74
20) Methylene Chloride	4.698	84	1865	Below Cal	#	76
31) Cyclohexane	7.783	56	4492	1.482	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13380	4.682	ug/l #	50
38) Carbon Tetrachloride	7.783	117	17135	5.423	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	62167	38.246	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62167	79.379	ug/l #	13
95) Naphthalene	15.233	128	399	3.270	ug/l #	89

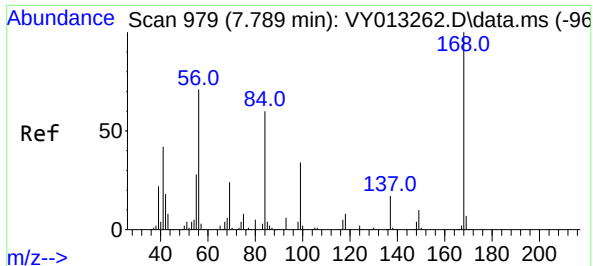
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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OU3-FC-BACKFILL-04

Quant Time: Apr 14 03:00:35 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

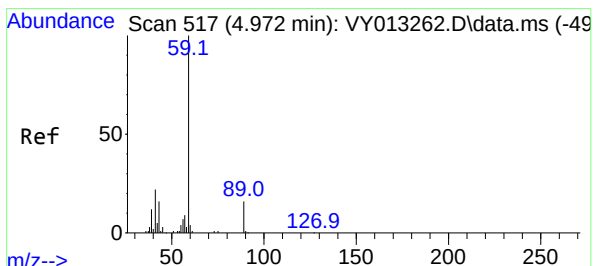
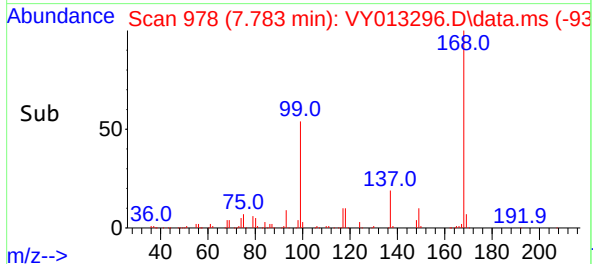
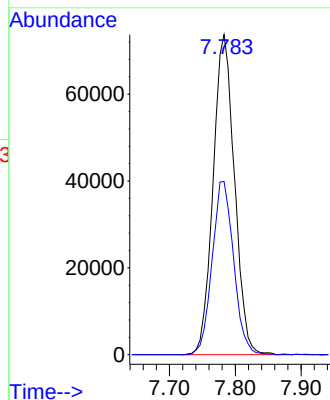
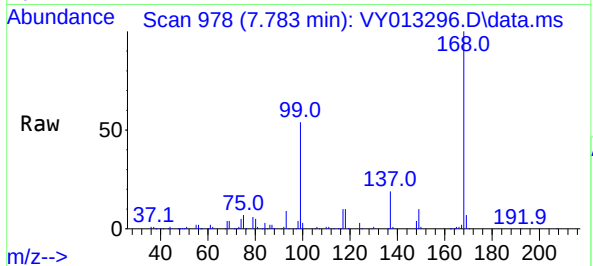




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

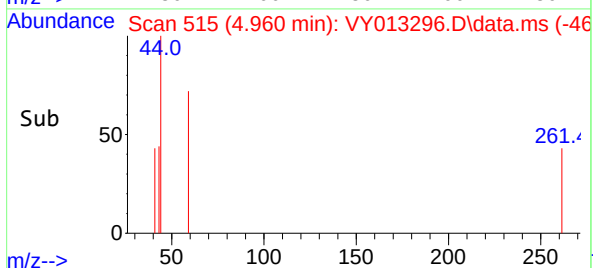
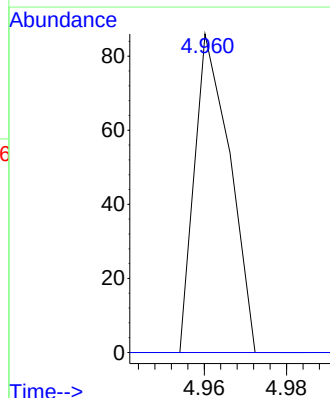
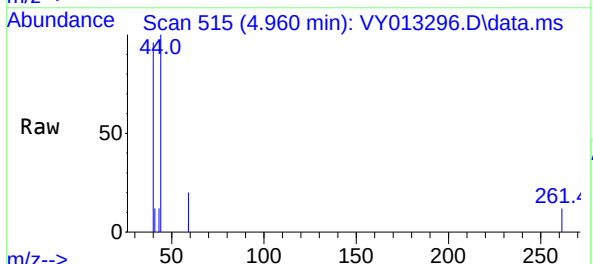
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-04

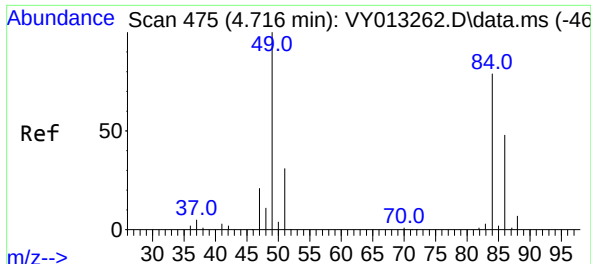
Tgt Ion:168 Resp: 166849
Ion Ratio Lower Upper
168 100
99 54.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

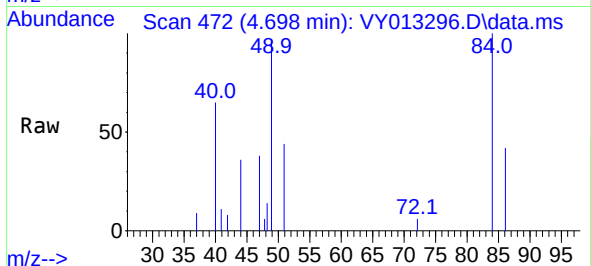
Tgt Ion: 59 Resp: 51
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





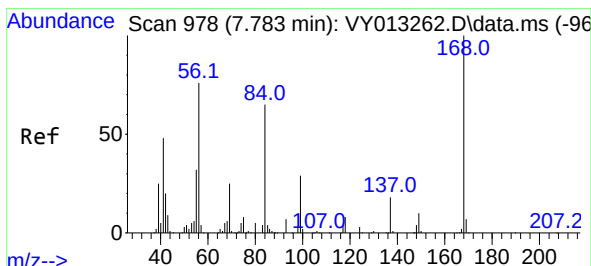
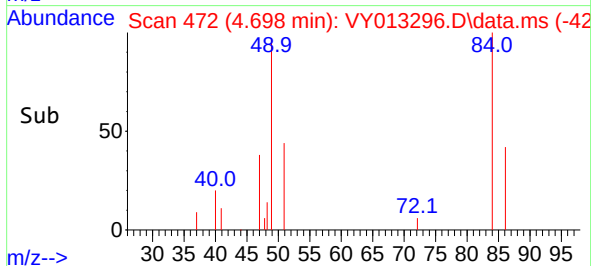
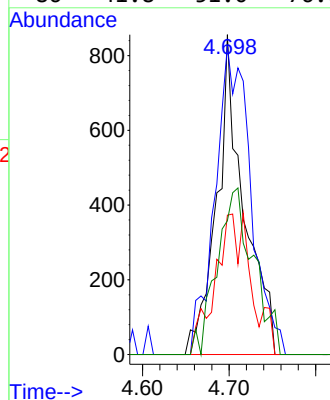
#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-04



Tgt Ion: 84 Resp: 1865

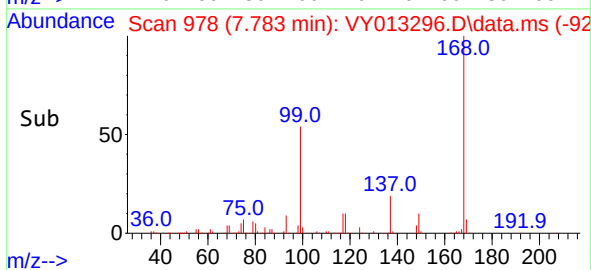
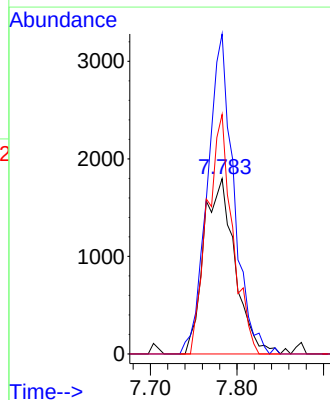
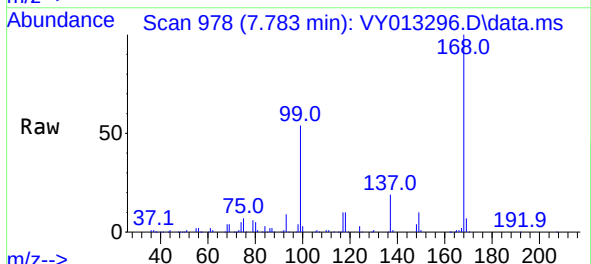
Ion	Ratio	Lower	Upper
84	100		
49	96.6	102.6	154.0#
51	43.6	31.9	47.9
86	41.8	51.0	76.6#

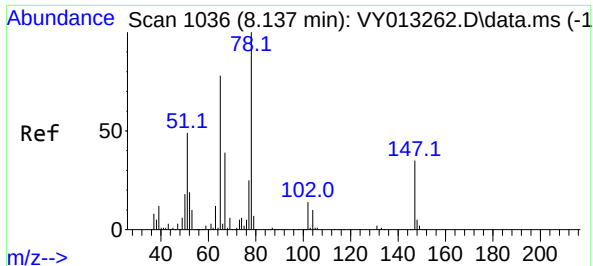


#31
Cyclohexane
Concen: 1.482 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

Tgt Ion: 56 Resp: 4492

Ion	Ratio	Lower	Upper
56	100		
69	182.4	25.7	38.5#
84	136.6	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 62.575 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013296.D

Acq: 13 Apr 2023 15:19

Instrument :

MSVOA_Y

ClientSampleId :

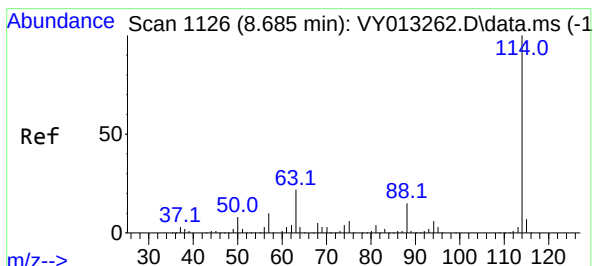
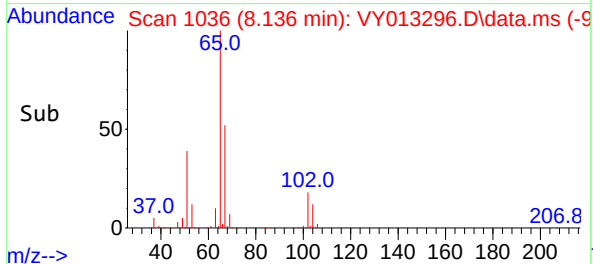
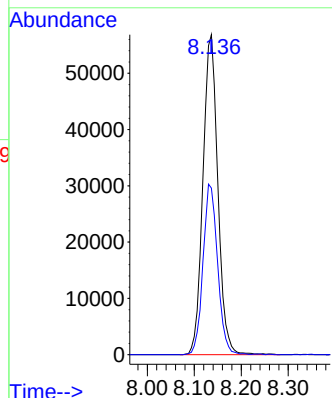
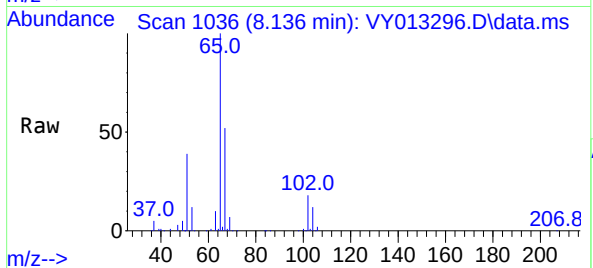
OU3-FC-BACKFILL-04

Tgt Ion: 65 Resp: 125471

Ion Ratio Lower Upper

65 100

67 52.0 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: VY013296.D

Acq: 13 Apr 2023 15:19

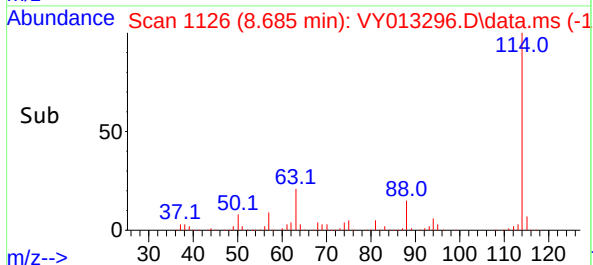
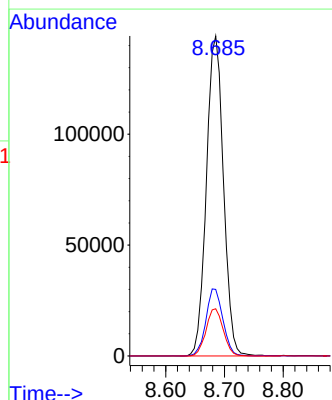
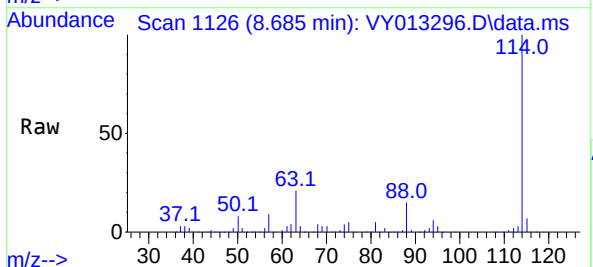
Tgt Ion: 114 Resp: 291370

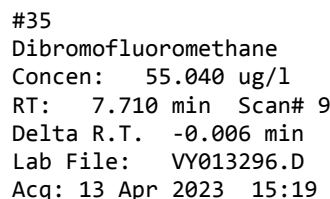
Ion Ratio Lower Upper

114 100

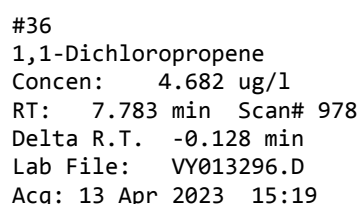
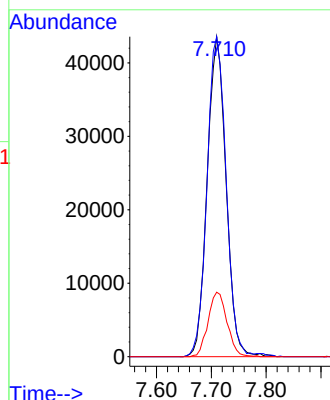
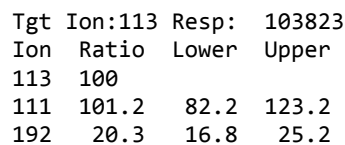
63 20.8 0.0 37.4

88 14.7 0.0 28.6

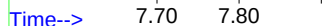
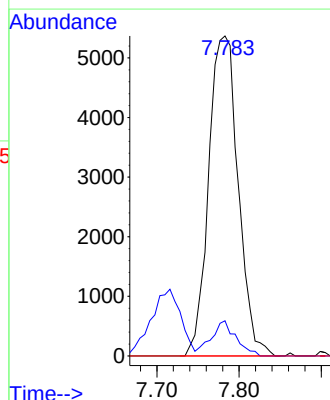


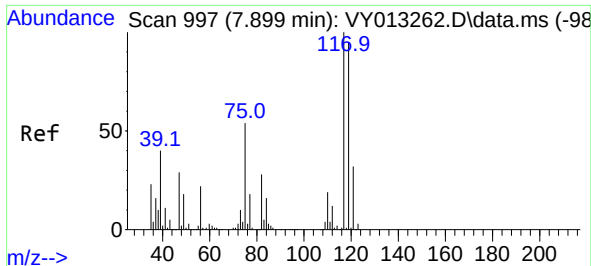


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Tgt Ion: 75	Resp: 13380
Ion Ratio Lower	Upper
75 100	
110 9.2	17.8 53.3#
77 0.0	25.0 37.4#

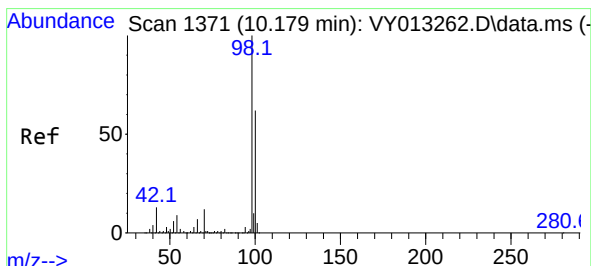
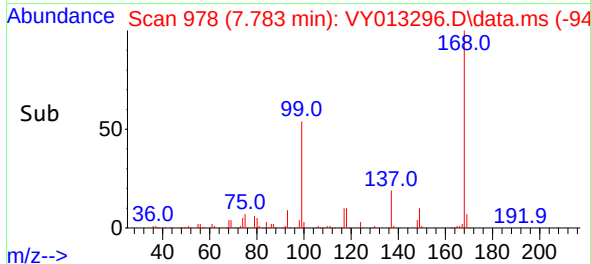
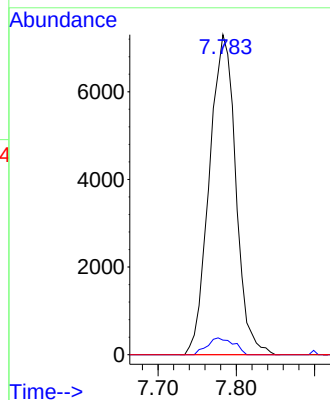
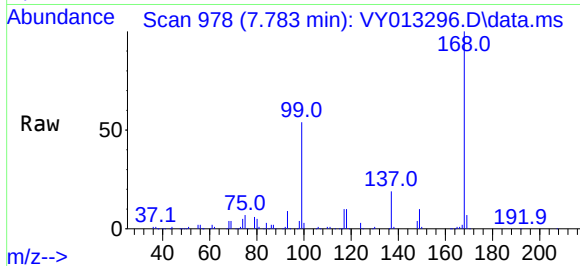




#38
Carbon Tetrachloride
Concen: 5.423 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

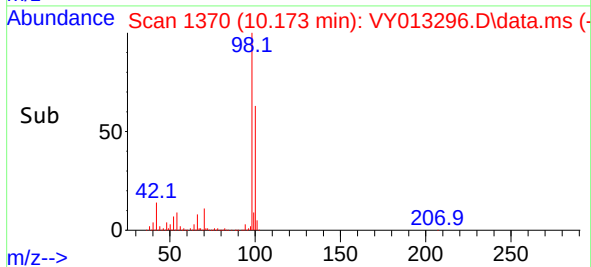
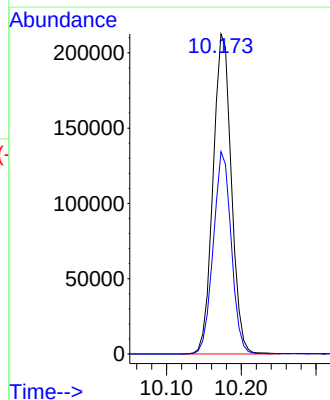
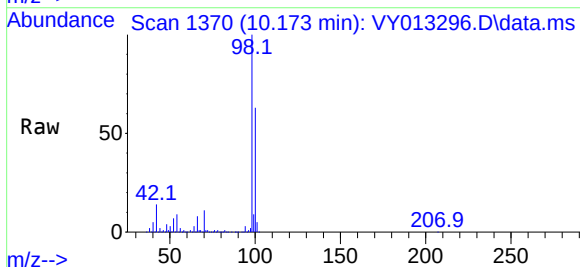
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-04

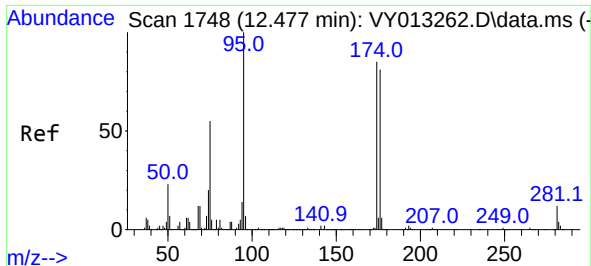
Tgt Ion: 117 Resp: 17135
Ion Ratio Lower Upper
117 100
119 4.5 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.451 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

Tgt Ion: 98 Resp: 361245
Ion Ratio Lower Upper
98 100
100 62.3 50.9 76.3

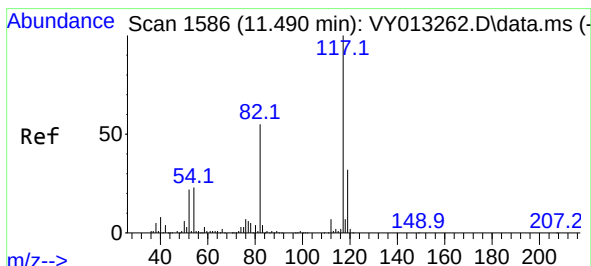
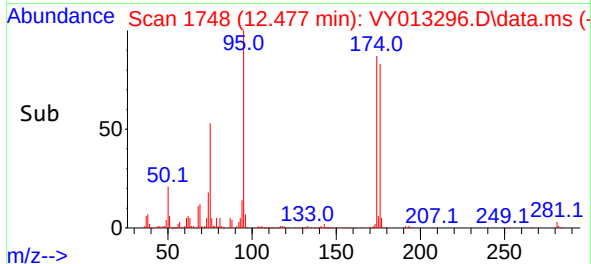
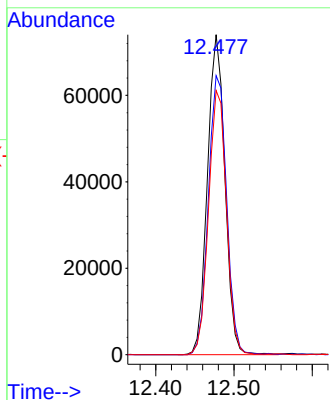
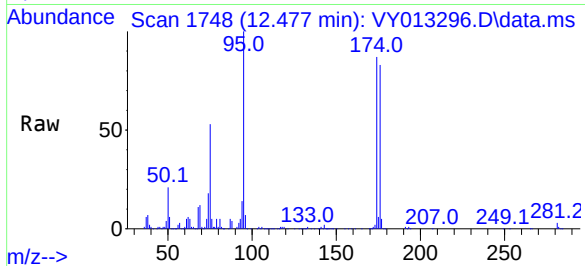




#62
4-Bromofluorobenzene
Concen: 50.362 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

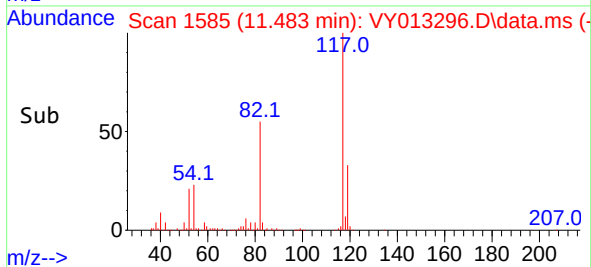
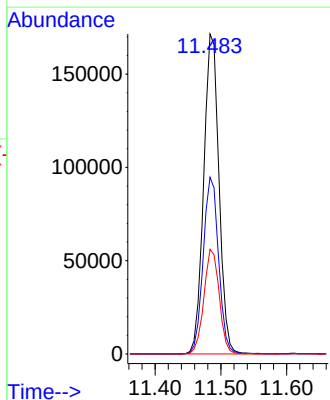
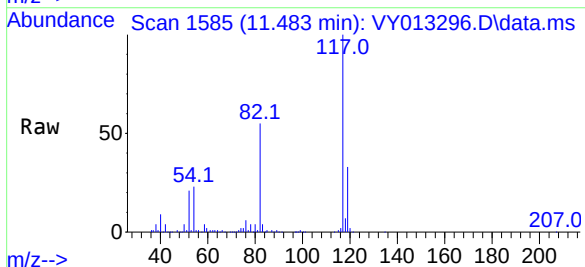
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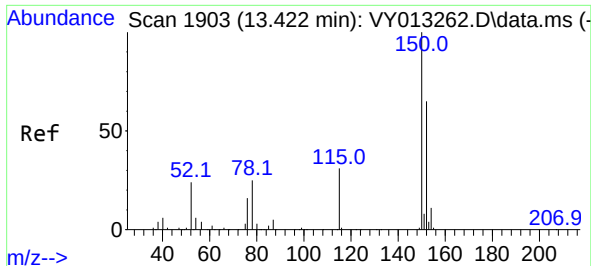
Tgt Ion: 95 Resp: 114890
Ion Ratio Lower Upper
95 100
174 91.0 0.0 176.6
176 84.6 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

Tgt Ion: 117 Resp: 278137
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.0
119 32.7 25.6 38.4

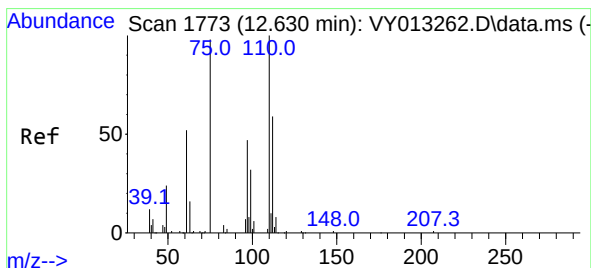
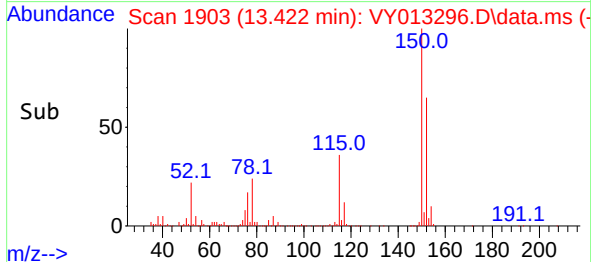
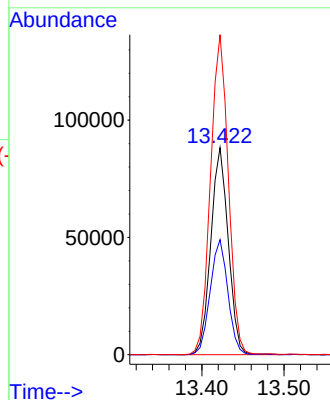
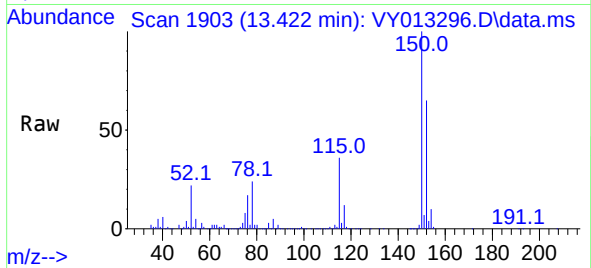




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

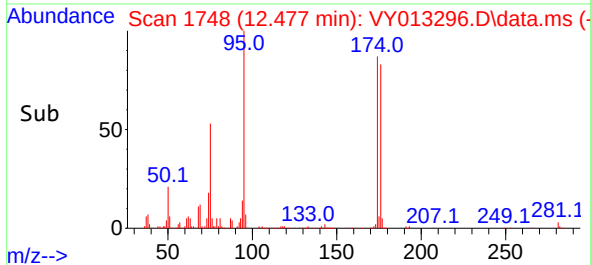
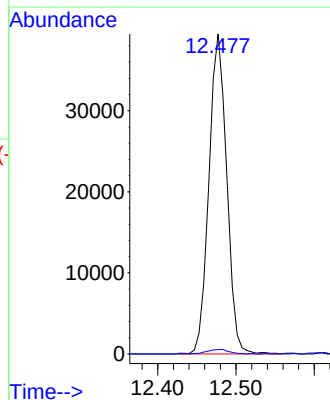
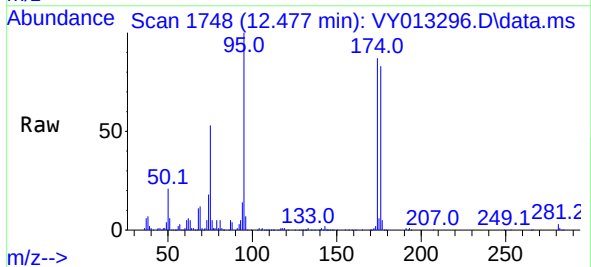
Instrument :
MSVOA_Y
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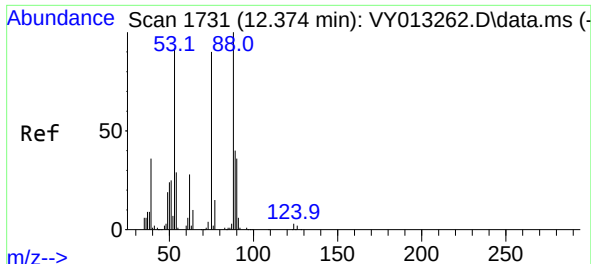
Tgt Ion:152 Resp: 130446
Ion Ratio Lower Upper
152 100
115 56.4 27.1 81.3
150 157.9 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 38.246 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

Tgt Ion: 75 Resp: 62167
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

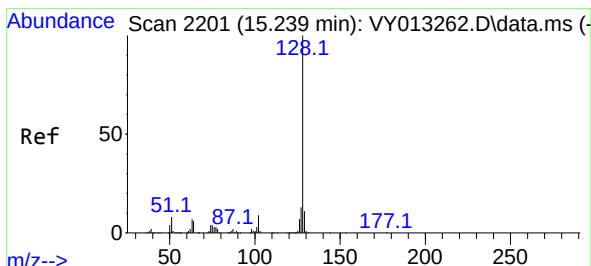
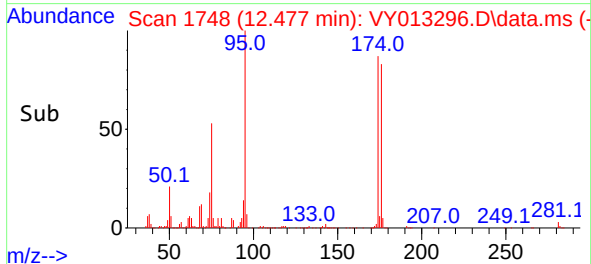
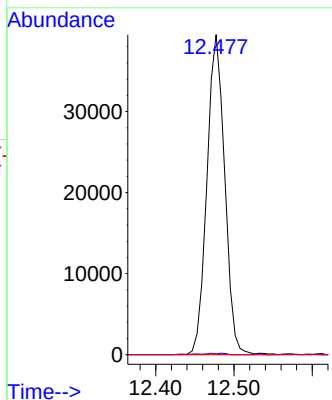
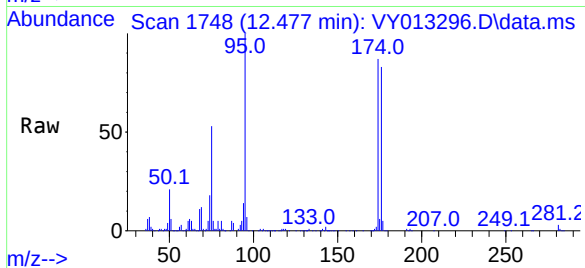




#81
trans-1,4-Dichloro-2-butene
Concen: 79.379 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-04

Tgt Ion: 75 Resp: 62167
Ion Ratio Lower Upper
75 100
53 0.5 73.4 110.0#
89 0.1 36.6 55.0#



#95
Naphthalene
Concen: 3.270 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013296.D
Acq: 13 Apr 2023 15:19

Tgt Ion: 128 Resp: 399
Ion Ratio Lower Upper
128 100
127 7.3 10.3 15.5#
129 8.3 8.6 13.0#

