

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013299.D
 Acq On : 13 Apr 2023 16:29
 Operator : KP/MD
 Sample : 02224-13
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-07

Quant Time: Apr 14 03:01:02 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)

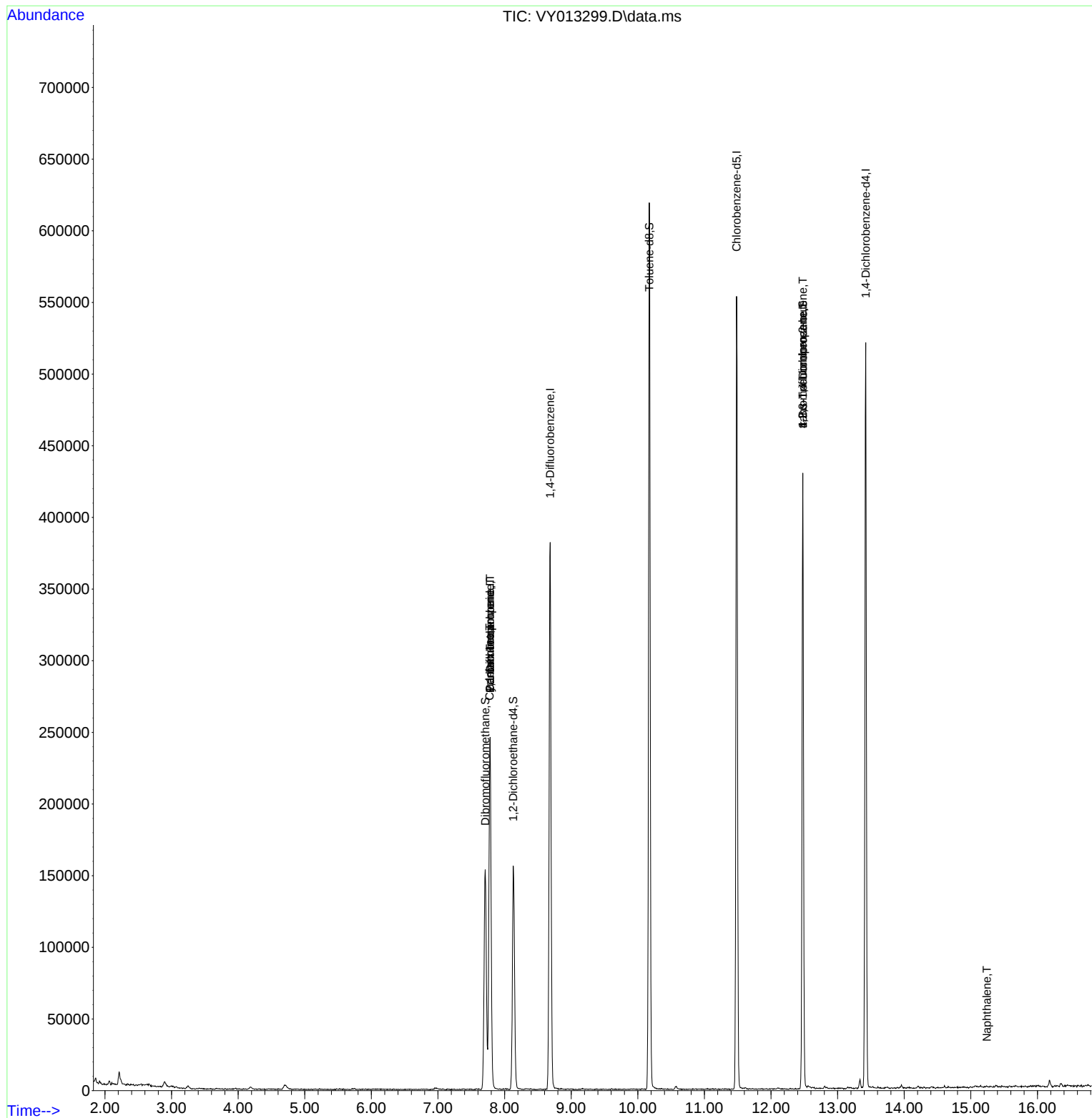
Internal Standards						
1) Pentafluorobenzene	7.783	168	186081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	316148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	287473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	128201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	119394	53.390	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.780%	
35) Dibromofluoromethane	7.710	113	109520	53.510	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.020%	
50) Toluene-d8	10.173	98	391039	51.329	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.660%	
62) 4-Bromofluorobenzene	12.477	95	116242	46.961	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.920%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	75	Below Cal	#	74
20) Methylene Chloride	4.704	84	2103	Below Cal	#	79
31) Cyclohexane	7.777	56	4913	1.453	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	15216	4.907	ug/l #	50
38) Carbon Tetrachloride	7.783	117	18423	5.373	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	62915	39.384	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62915	81.741	ug/l #	13
95) Naphthalene	15.239	128	242	3.245	ug/l #	47

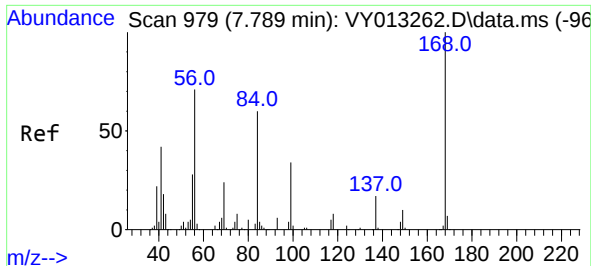
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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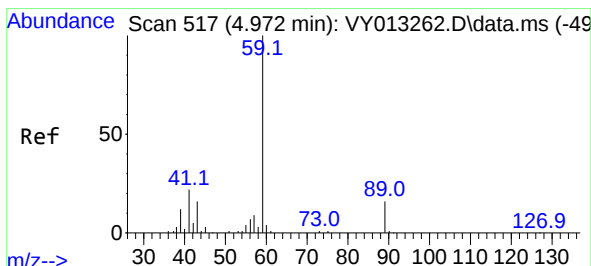
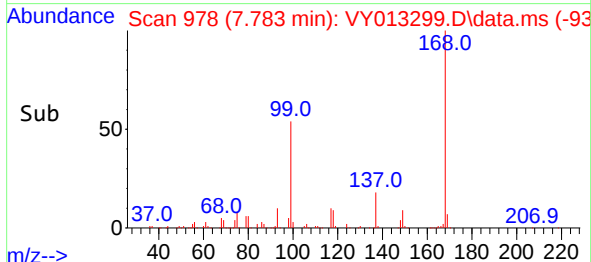
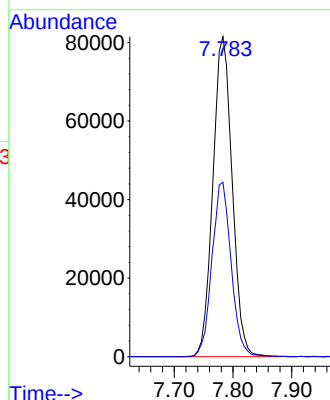
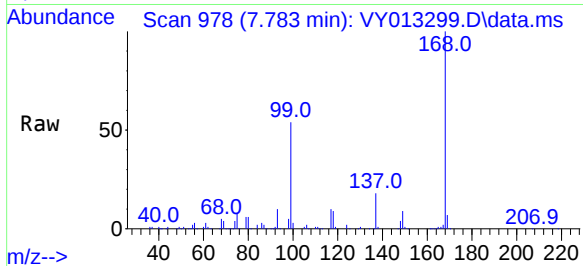




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

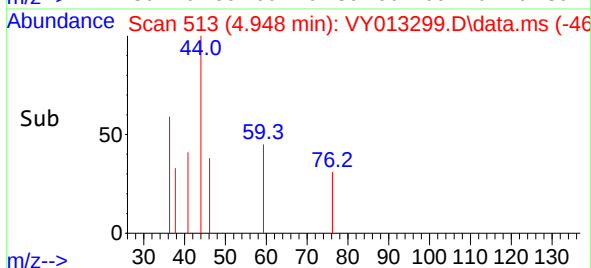
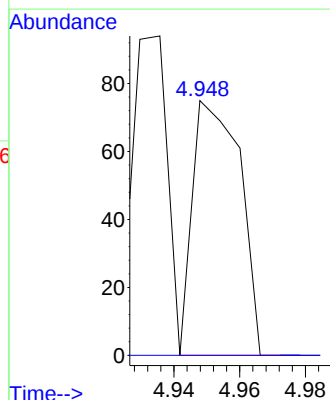
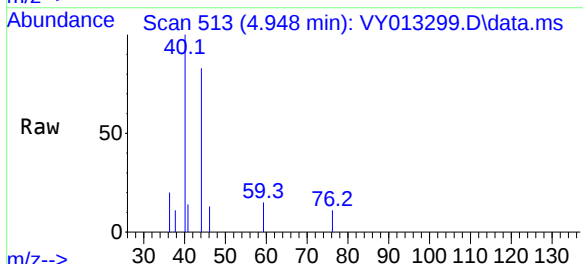
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-07

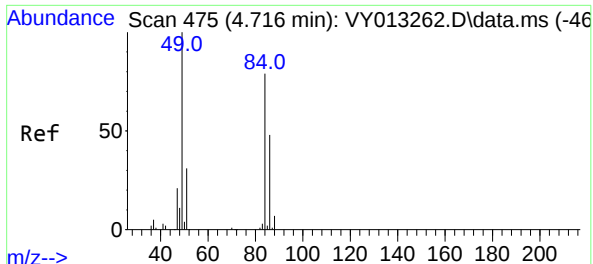
Tgt Ion:168 Resp: 186081
Ion Ratio Lower Upper
168 100
99 54.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Tgt Ion: 59 Resp: 75
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 41

Delta R.T. -0.012 min

Lab File: VY013299.D

Acq: 13 Apr 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

OU3-FC-BACKFILL-07

Tgt Ion: 84 Resp: 2103

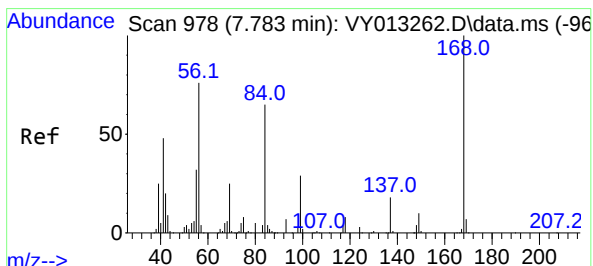
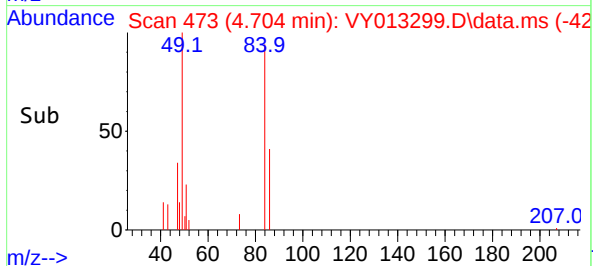
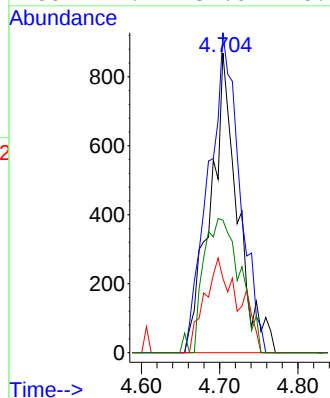
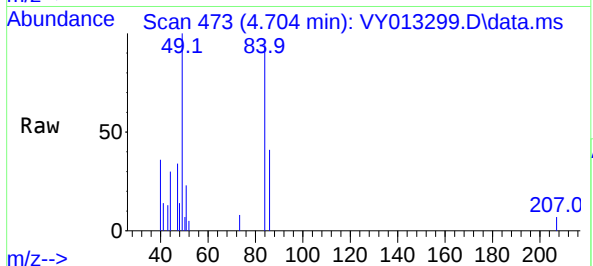
Ion Ratio Lower Upper

84 100

49 106.8 102.6 154.0

51 24.7 31.9 47.9#

86 44.2 51.0 76.6#



#31

Cyclohexane

Concen: 1.453 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY013299.D

Acq: 13 Apr 2023 16:29

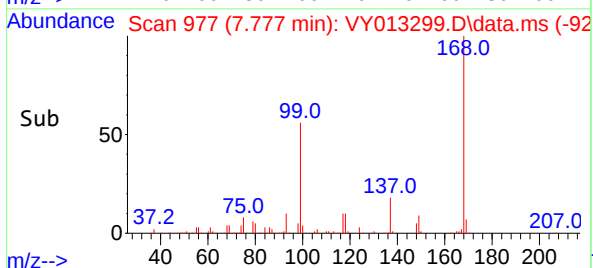
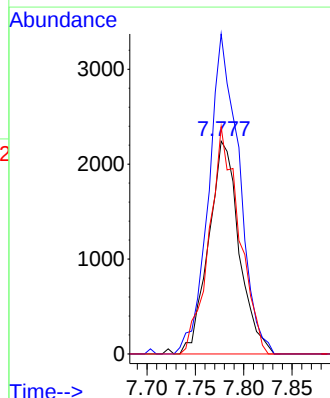
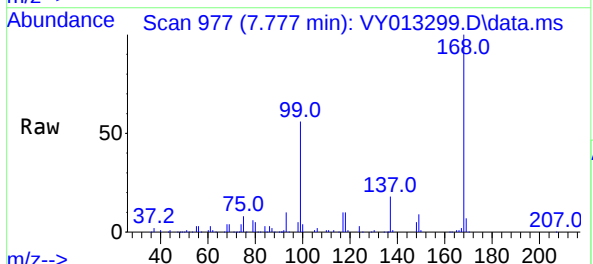
Tgt Ion: 56 Resp: 4913

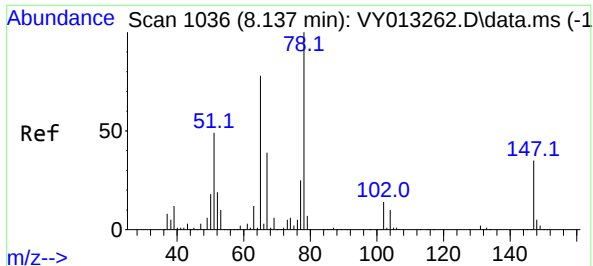
Ion Ratio Lower Upper

56 100

69 150.3 25.7 38.5#

84 106.7 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 53.390 ug/l

RT: 8.130 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY013299.D

Acq: 13 Apr 2023 16:29

Instrument :

MSVOA_Y

ClientSampleId :

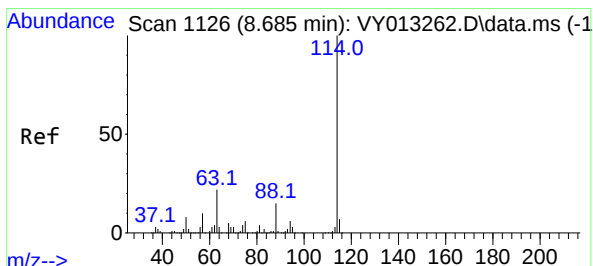
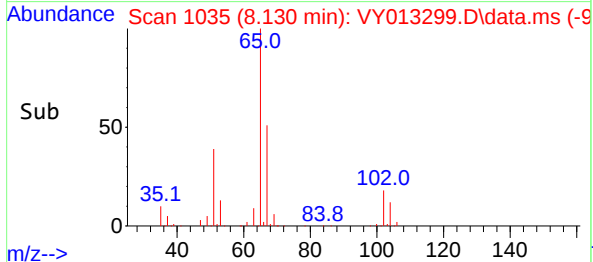
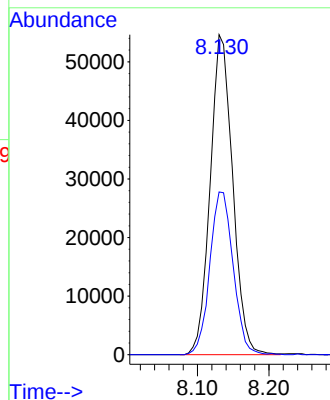
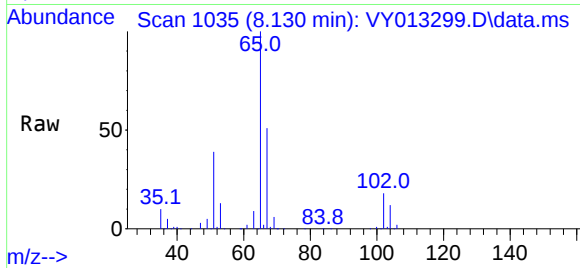
OU3-FC-BACKFILL-07

Tgt Ion: 65 Resp: 119394

Ion Ratio Lower Upper

65 100

67 52.7 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: VY013299.D

Acq: 13 Apr 2023 16:29

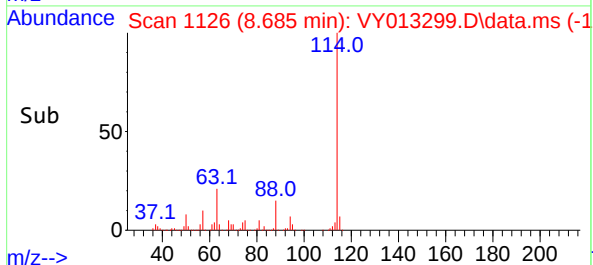
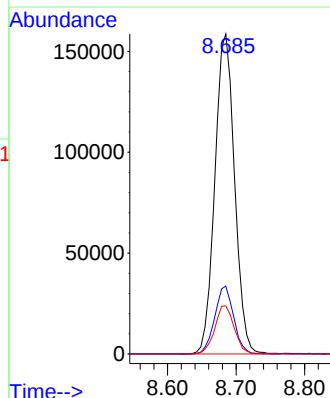
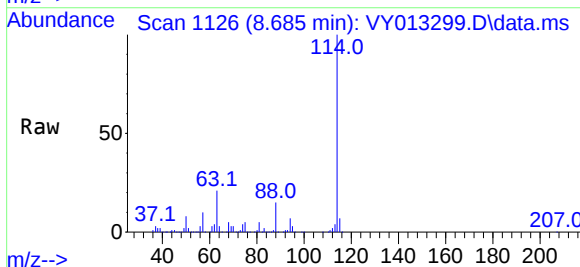
Tgt Ion:114 Resp: 316148

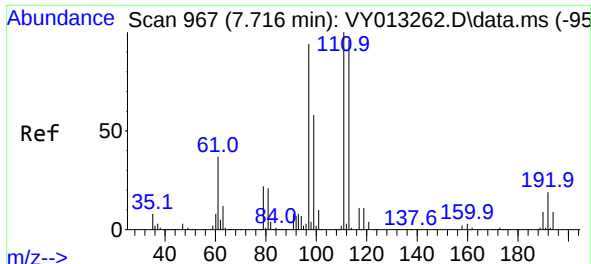
Ion Ratio Lower Upper

114 100

63 21.2 0.0 37.4

88 15.1 0.0 28.6

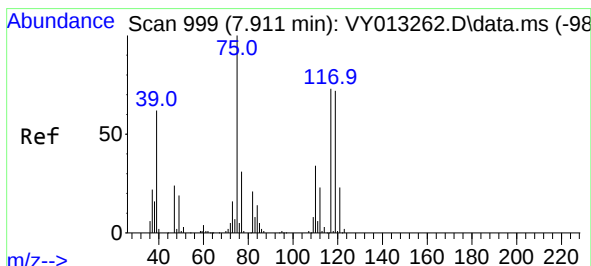
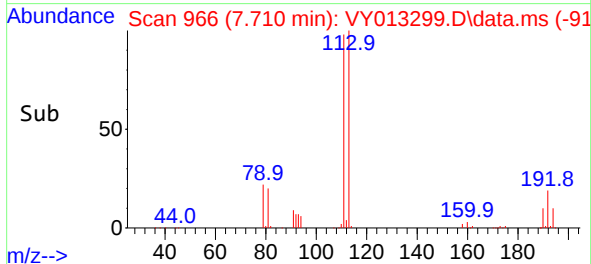
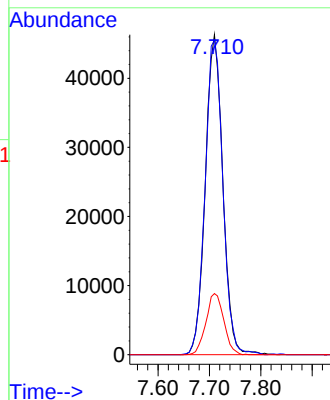
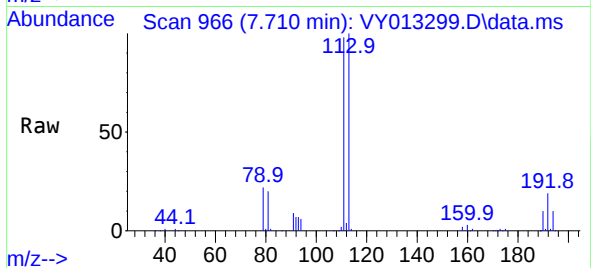




#35
Dibromofluoromethane
Concen: 53.510 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

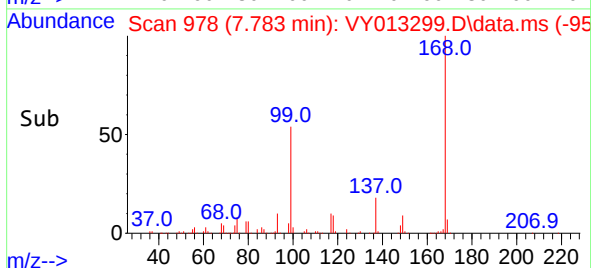
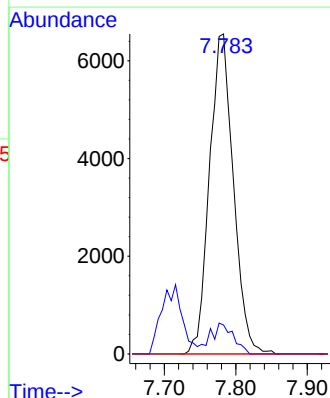
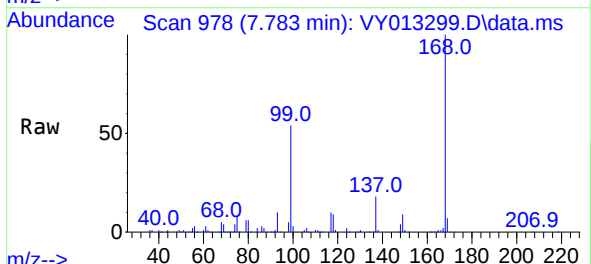
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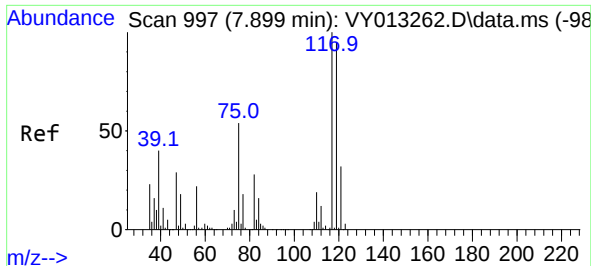
Tgt Ion:113 Resp: 109520
Ion Ratio Lower Upper
113 100
111 100.0 82.2 123.2
192 19.5 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.907 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Tgt Ion: 75 Resp: 15216
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.3#
77 0.0 25.0 37.4#

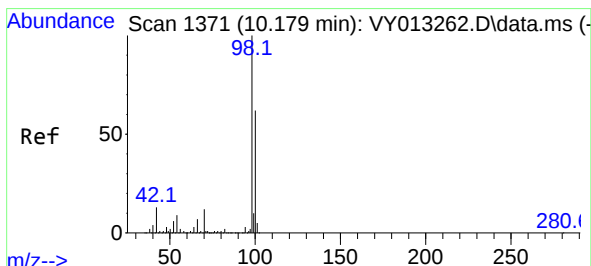
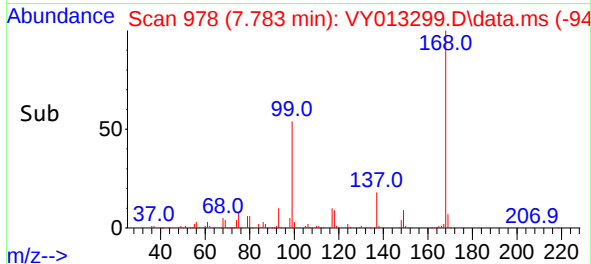
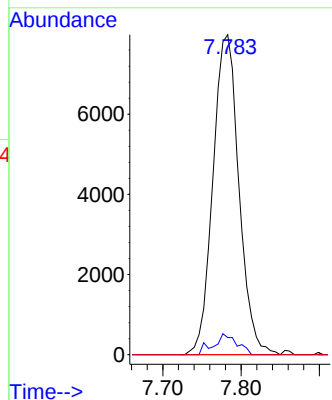
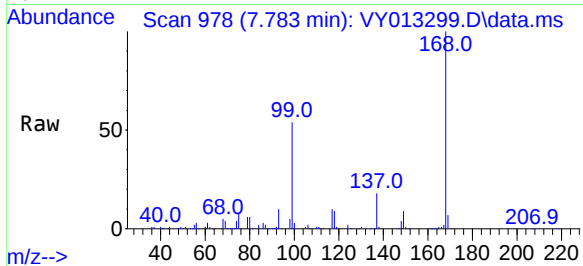




#38
Carbon Tetrachloride
Concen: 5.373 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

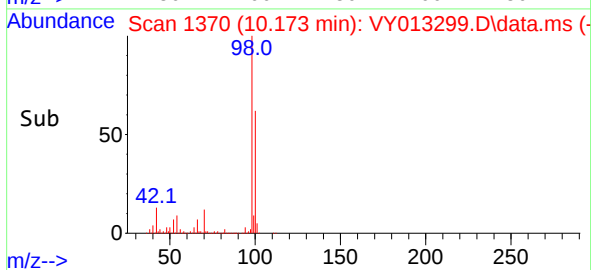
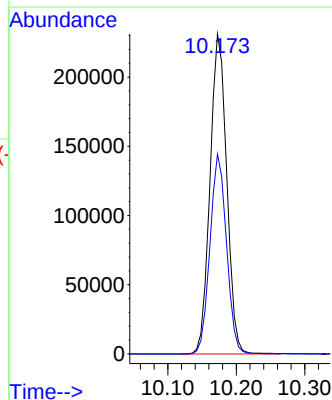
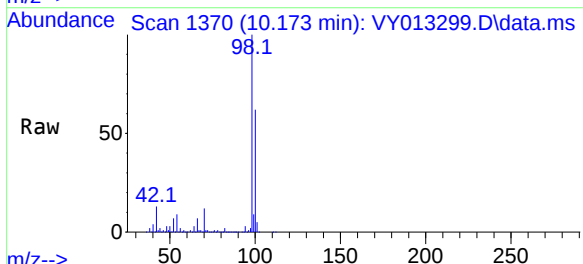
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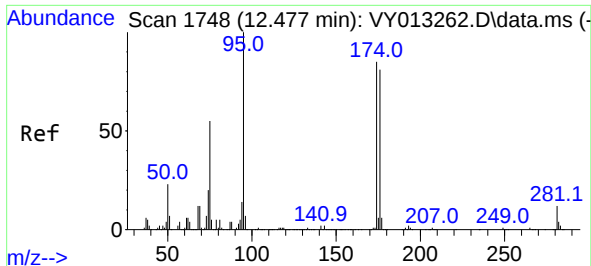
Tgt Ion:117 Resp: 18423
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.329 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Tgt Ion: 98 Resp: 391039
Ion Ratio Lower Upper
98 100
100 61.9 50.9 76.3

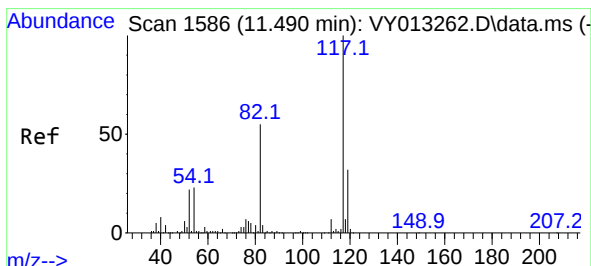
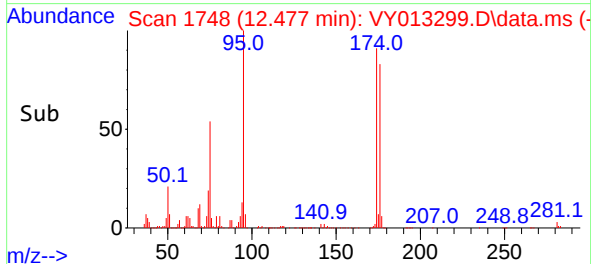
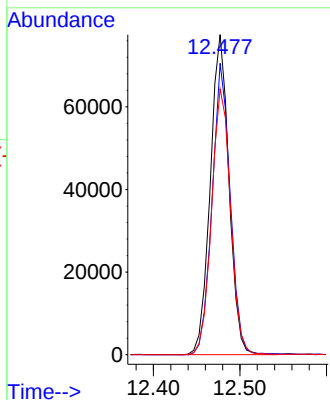
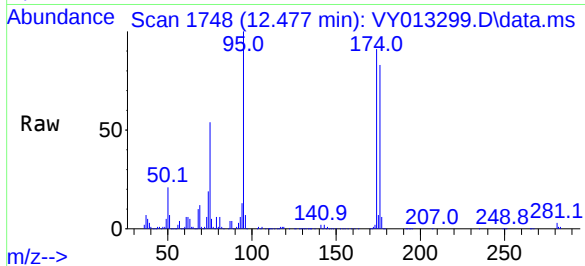




#62
4-Bromofluorobenzene
Concen: 46.961 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

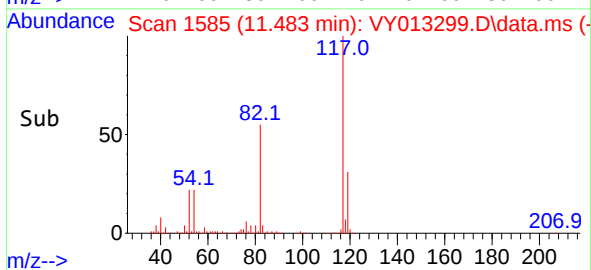
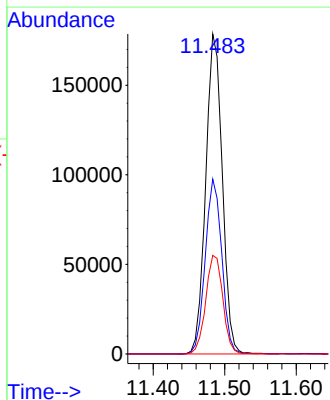
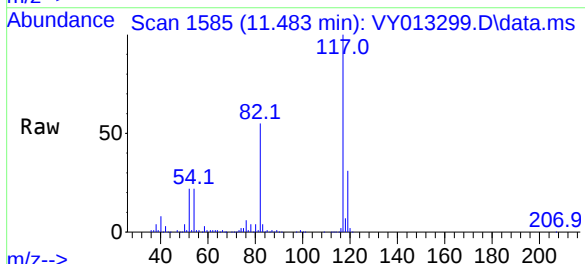
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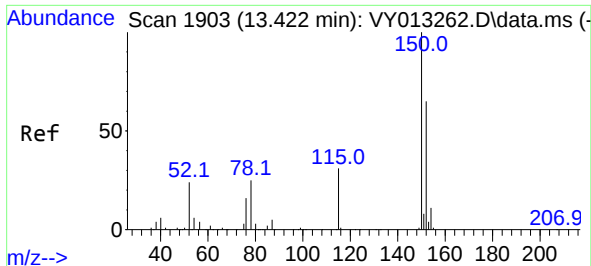
Tgt Ion: 95 Resp: 116242
Ion Ratio Lower Upper
95 100
174 88.3 0.0 176.6
176 84.2 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Tgt Ion: 117 Resp: 287473
Ion Ratio Lower Upper
117 100
82 54.7 45.4 68.0
119 30.8 25.6 38.4

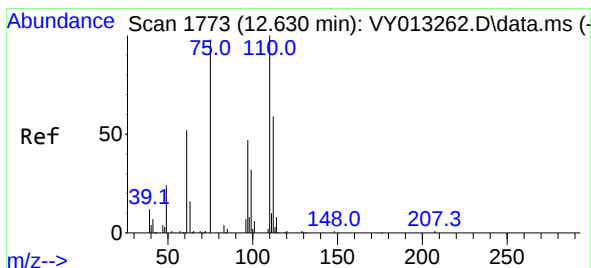
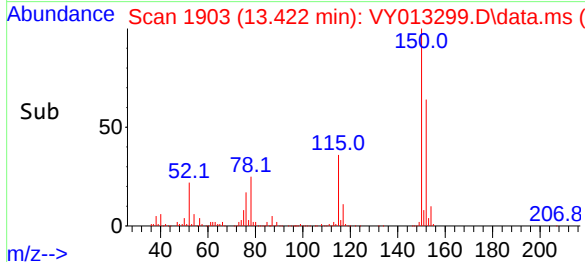
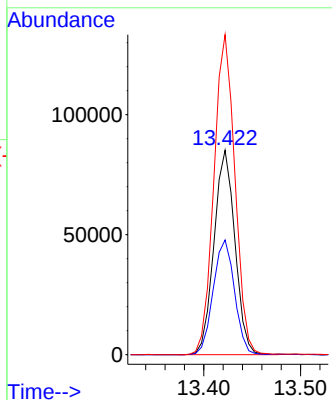
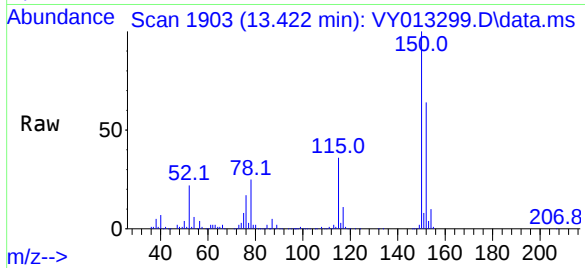




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

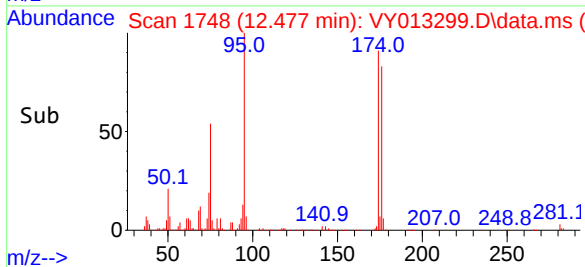
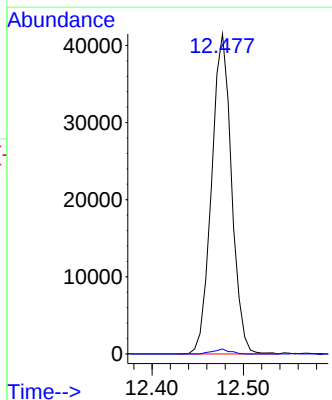
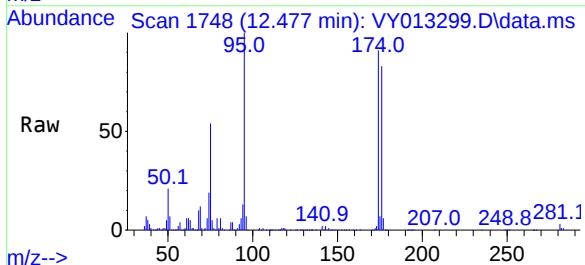
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-07

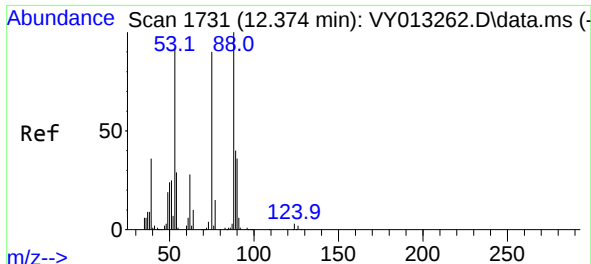
Tgt Ion:152 Resp: 128201
Ion Ratio Lower Upper
152 100
115 57.1 27.1 81.3
150 157.4 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 39.384 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Tgt Ion: 75 Resp: 62915
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

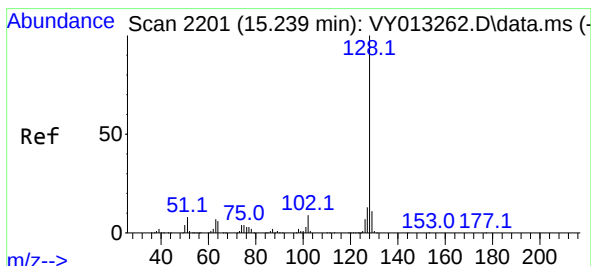
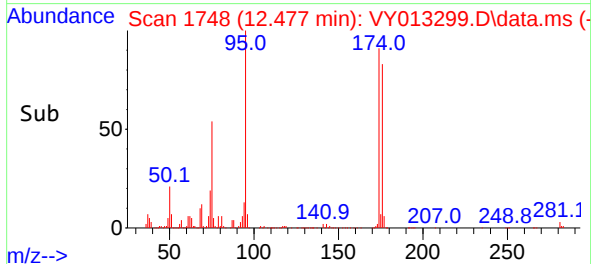
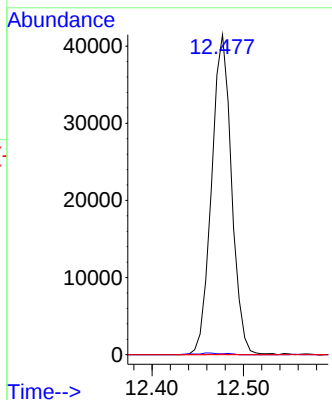
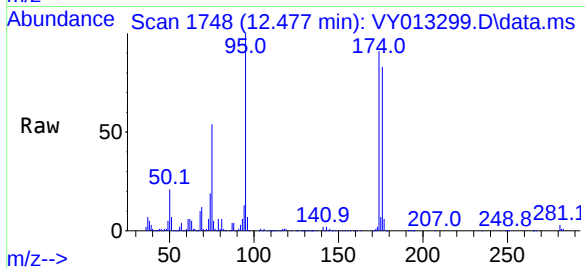




#81
trans-1,4-Dichloro-2-butene
Concen: 81.741 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-07

Tgt Ion: 75 Resp: 62915
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.1 36.6 55.0#



#95
Naphthalene
Concen: 3.245 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY013299.D
Acq: 13 Apr 2023 16:29

Tgt Ion: 128 Resp: 242
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 39.7 8.6 13.0#

