

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013293.D
 Acq On : 13 Apr 2023 14:08
 Operator : KP/MD
 Sample : 02224-01
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-01

Quant Time: Apr 14 03:00:08 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)

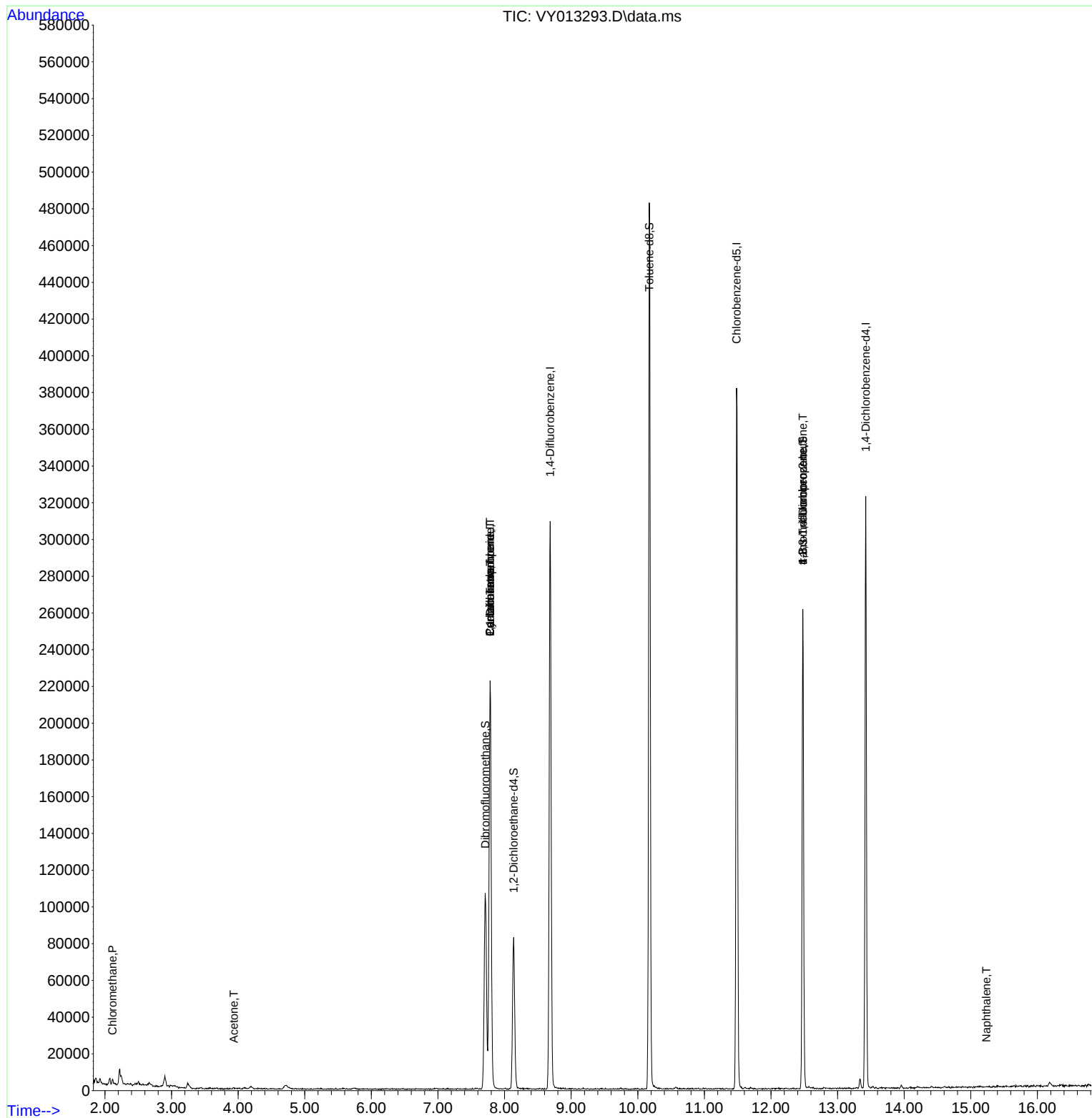
Internal Standards						
1) Pentafluorobenzene	7.783	168	164422	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	257660	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	204424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	78005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	65424	33.110	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	66.220%		
35) Dibromofluoromethane	7.710	113	75164	45.060	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	90.120%		
50) Toluene-d8	10.173	98	310418	49.996	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	100.000%		
62) 4-Bromofluorobenzene	12.477	95	74405	36.883	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	73.760%		
Target Compounds						Qvalue
3) Chloromethane	2.113	50	2642	1.425	ug/l #	77
11) Tert butyl alcohol	4.851	59	40	Below Cal	#	74
16) Acetone	3.936	43	760	1.119	ug/l	91
20) Methylene Chloride	4.704	84	1251	Below Cal	#	62
31) Cyclohexane	7.783	56	4349	1.456	ug/l #	18
36) 1,1-Dichloropropene	7.783	75	13724	5.431	ug/l #	49
38) Carbon Tetrachloride	7.783	117	16578	5.933	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	39272	40.403	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	39272	83.857	ug/l #	13
95) Naphthalene	15.233	128	327	3.294	ug/l #	69

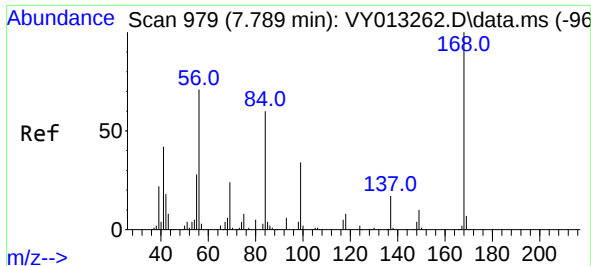
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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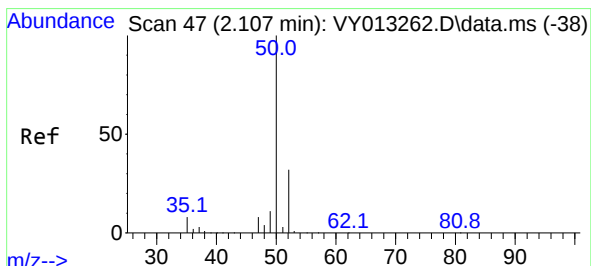
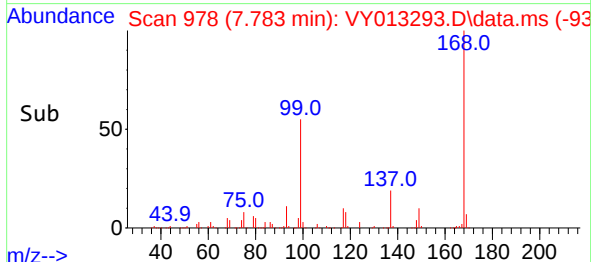
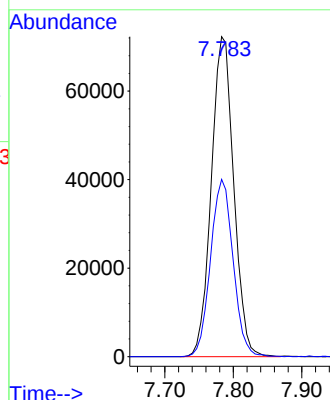
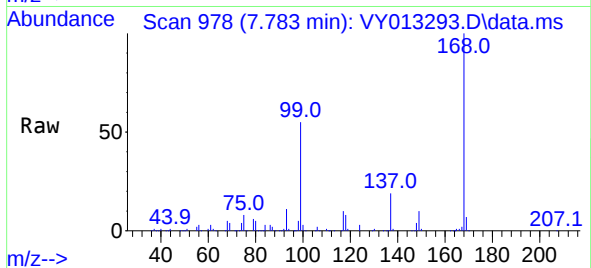




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

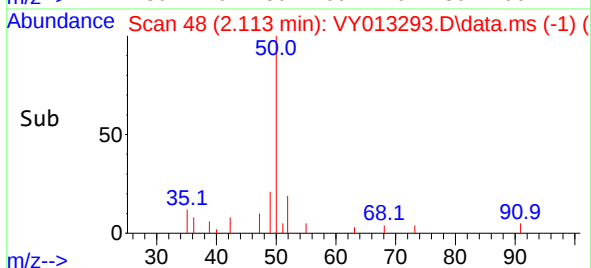
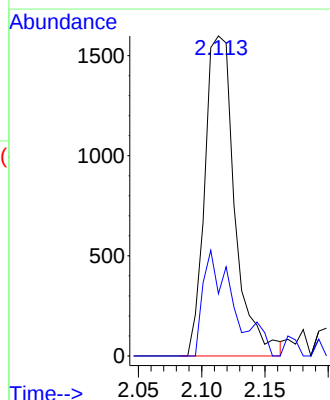
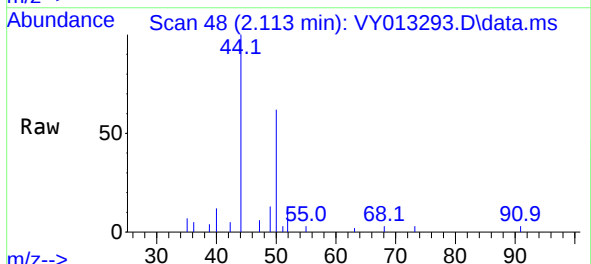
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-01

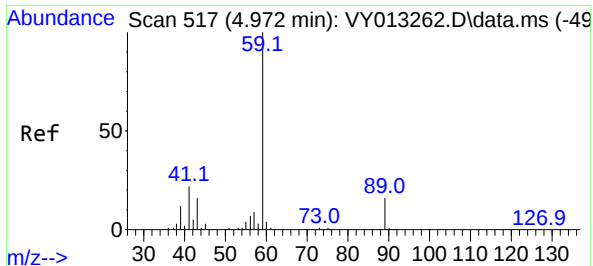
Tgt Ion:168 Resp: 164422
Ion Ratio Lower Upper
168 100
99 55.4 41.7 62.5



#3
Chloromethane
Concen: 1.425 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.006 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

Tgt Ion: 50 Resp: 2642
Ion Ratio Lower Upper
50 100
52 19.5 26.0 39.0#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.851 min Scan# 497

Delta R.T. -0.121 min

Lab File: VY013293.D

Acq: 13 Apr 2023 14:08

Instrument :

MSVOA_Y

ClientSampleId :

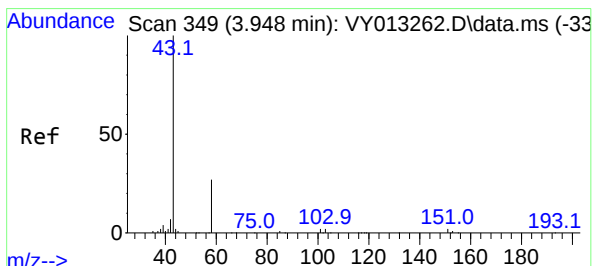
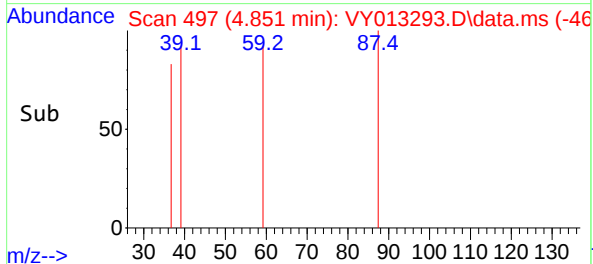
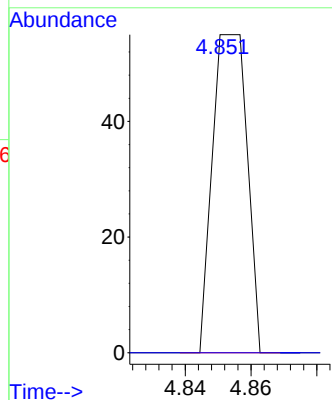
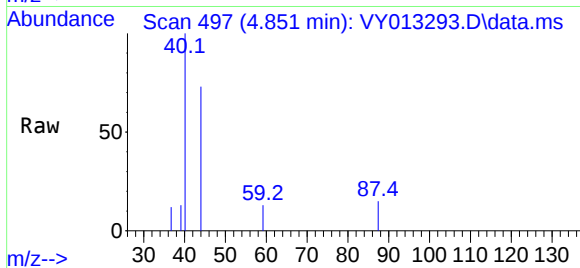
OU3-FC-BACKFILL-01

Tgt Ion: 59 Resp: 40

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#16

Acetone

Concen: 1.119 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY013293.D

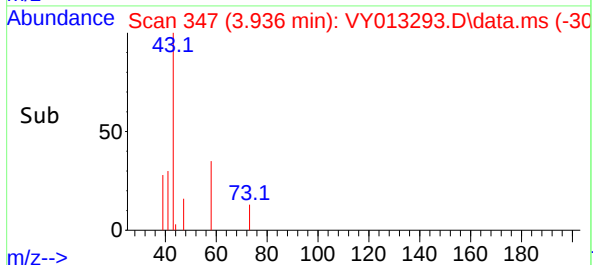
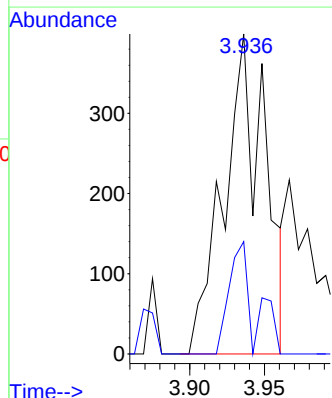
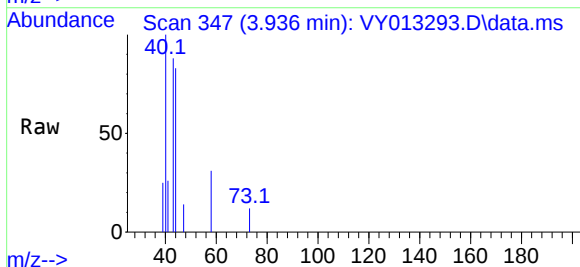
Acq: 13 Apr 2023 14:08

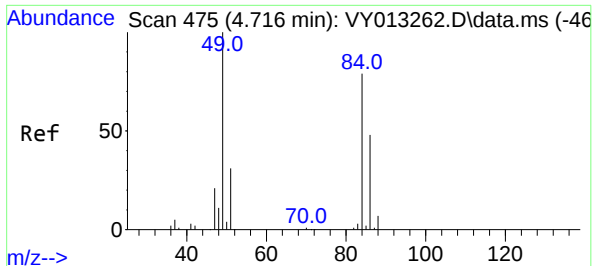
Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

58 35.1 24.2 36.2

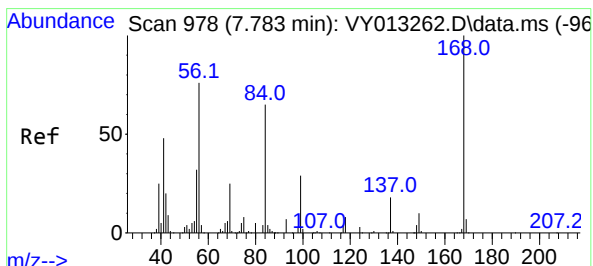
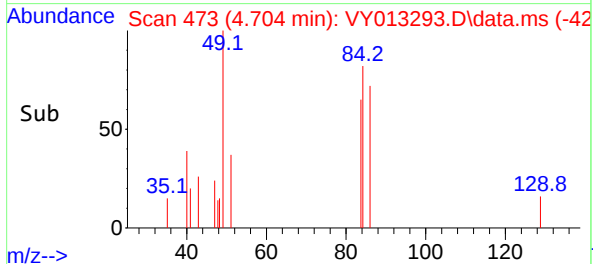
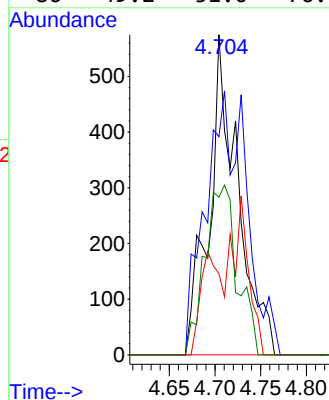
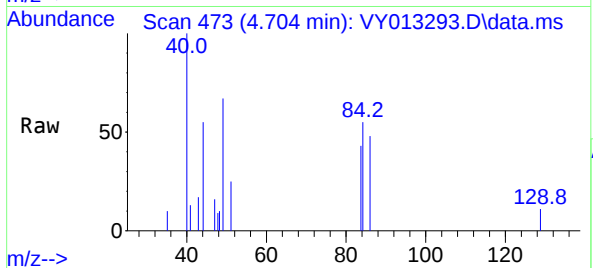




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

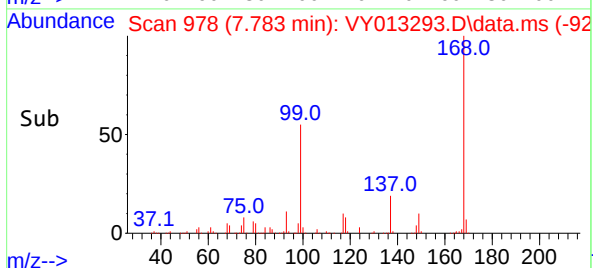
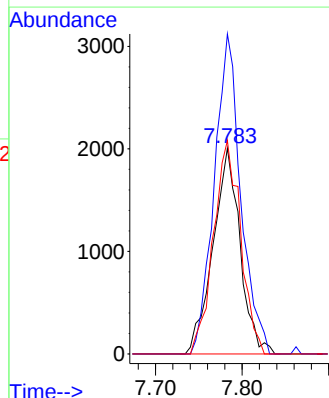
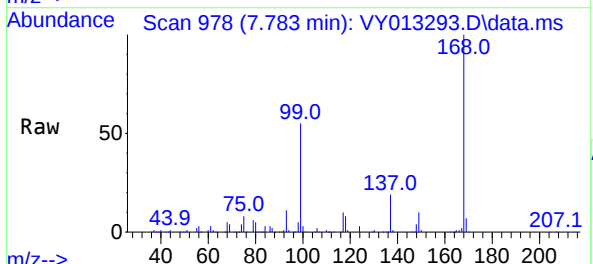
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-01

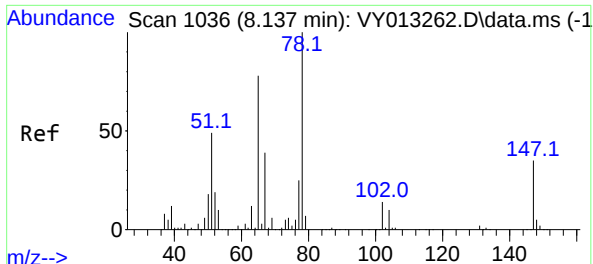
Tgt Ion:	84	Resp:	1251
Ion	Ratio	Lower	Upper
84	100		
49	68.2	102.6	154.0#
51	25.4	31.9	47.9#
86	49.2	51.0	76.6#



#31
Cyclohexane
Concen: 1.456 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.000 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

Tgt Ion:	56	Resp:	4349
Ion	Ratio	Lower	Upper
56	100		
69	155.6	25.7	38.5#
84	103.7	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 33.110 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY013293.D

Acq: 13 Apr 2023 14:08

Instrument :

MSVOA_Y

ClientSampleId :

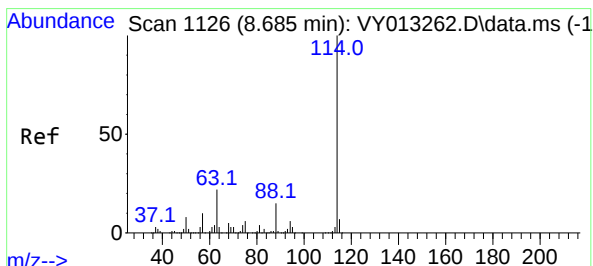
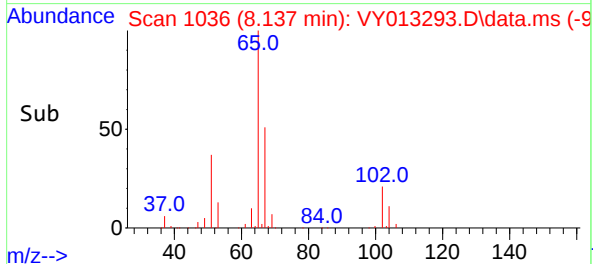
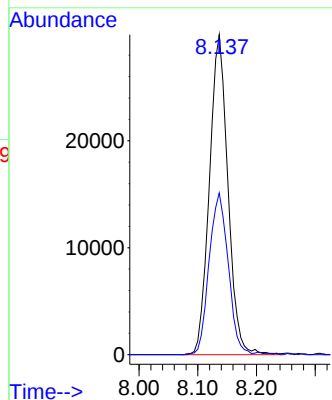
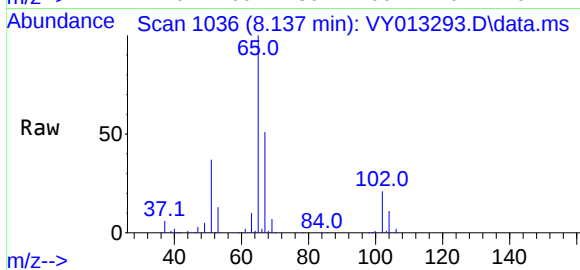
OU3-FC-BACKFILL-01

Tgt Ion: 65 Resp: 65424

Ion Ratio Lower Upper

65 100

67 52.1 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: VY013293.D

Acq: 13 Apr 2023 14:08

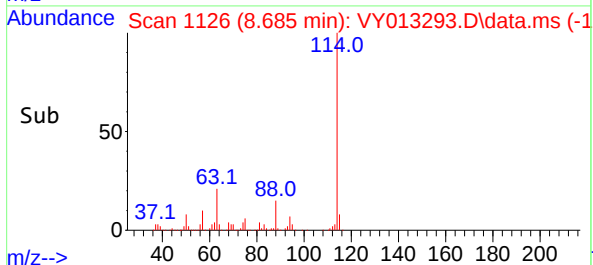
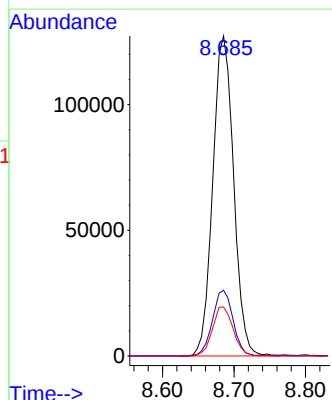
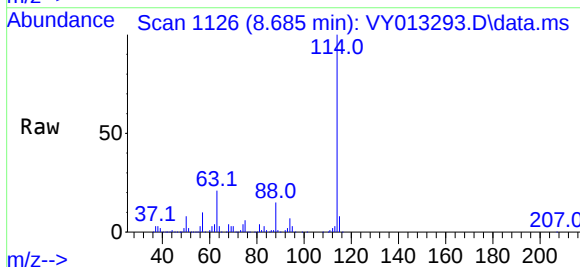
Tgt Ion:114 Resp: 257660

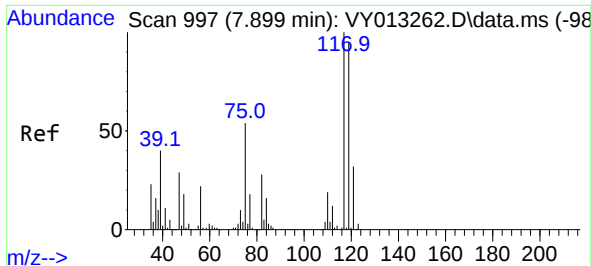
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 15.3 0.0 28.6

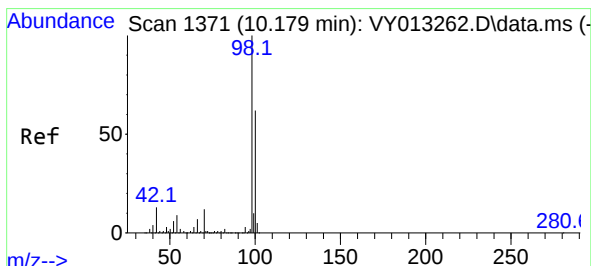
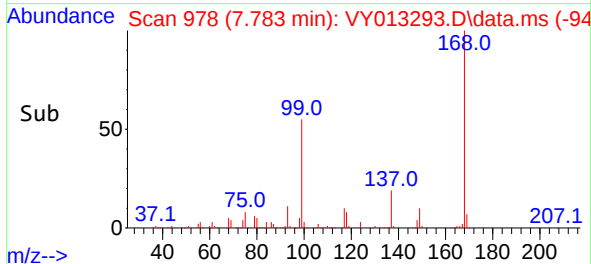
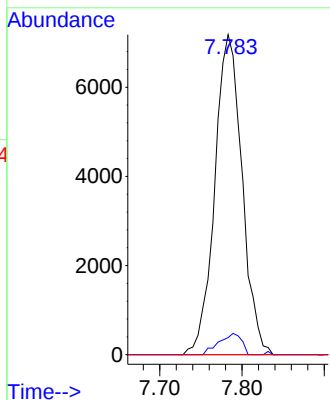
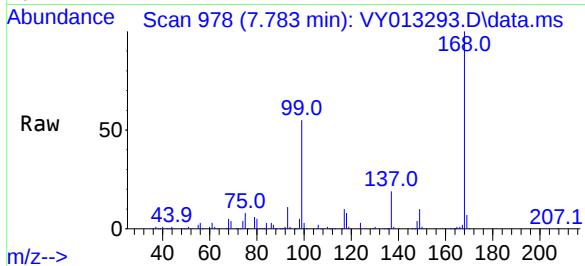




#38
Carbon Tetrachloride
Concen: 5.933 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

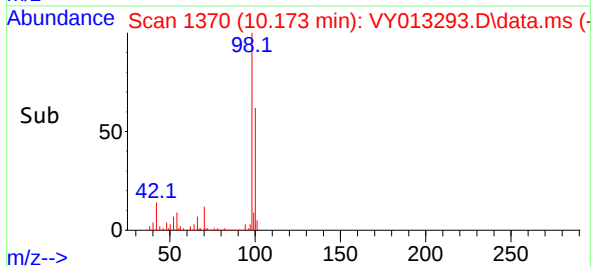
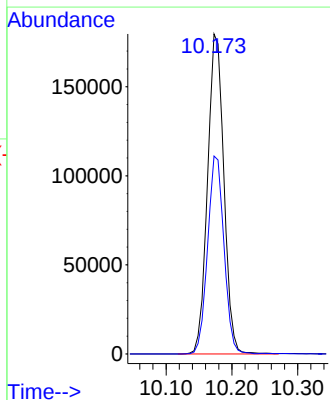
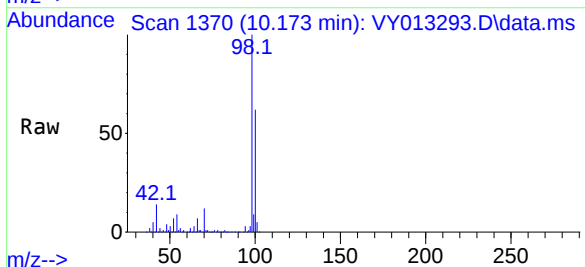
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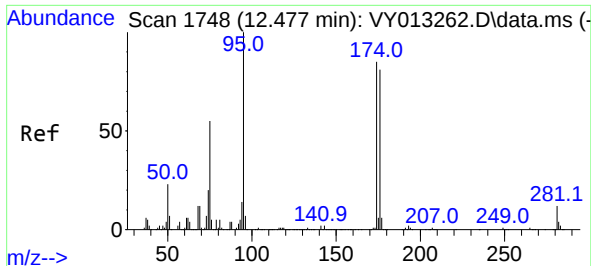
Tgt Ion:117 Resp: 16578
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.996 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

Tgt Ion: 98 Resp: 310418
Ion Ratio Lower Upper
98 100
100 62.0 50.9 76.3

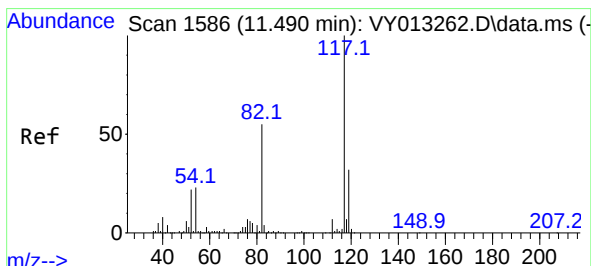
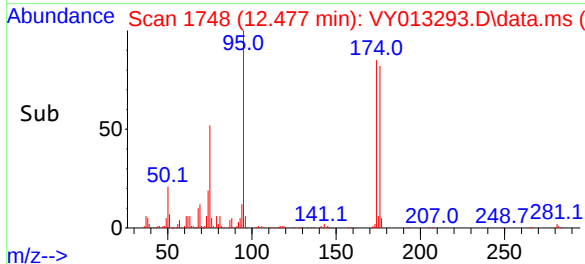
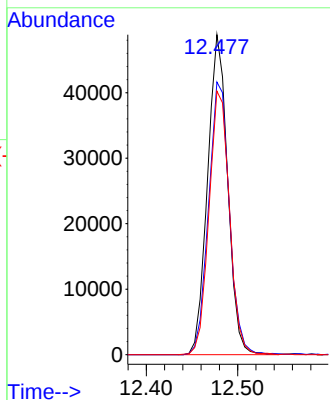
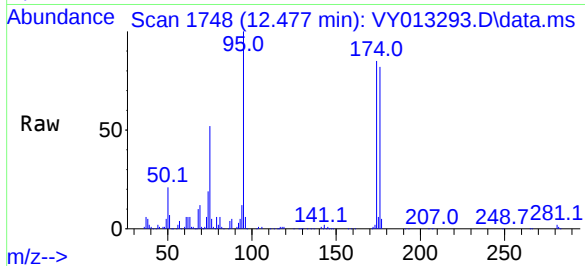




#62
4-Bromofluorobenzene
Concen: 36.883 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

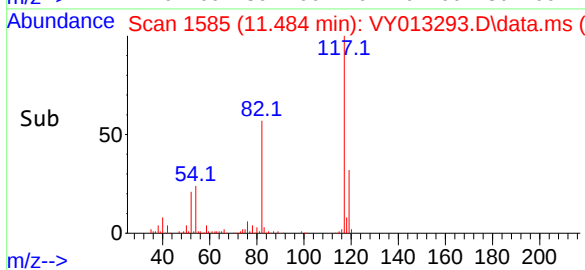
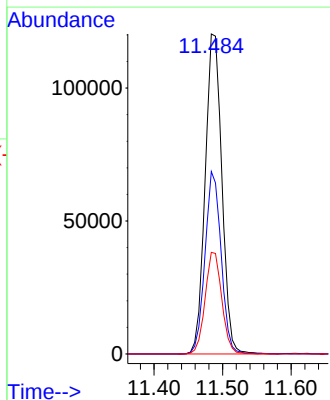
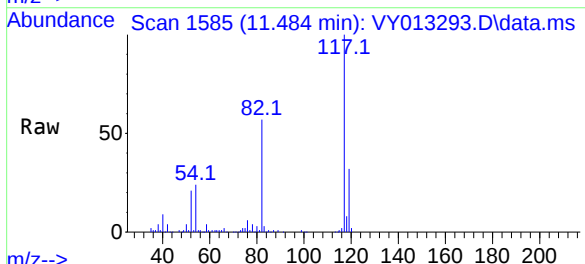
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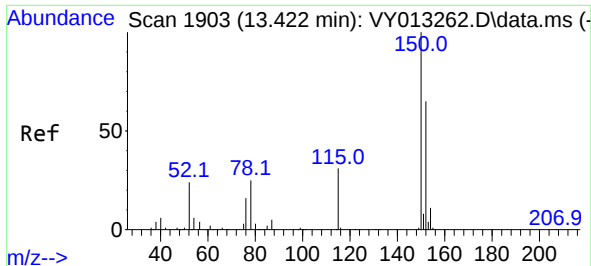
Tgt Ion: 95 Resp: 74405
Ion Ratio Lower Upper
95 100
174 88.1 0.0 176.6
176 84.0 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

Tgt Ion: 117 Resp: 204424
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 31.7 25.6 38.4

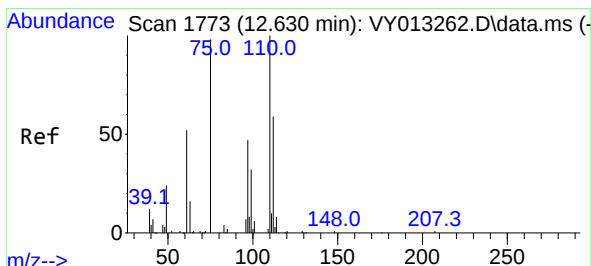
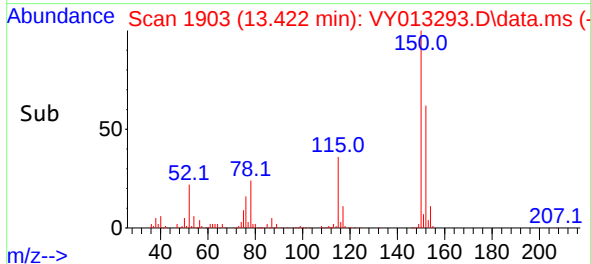
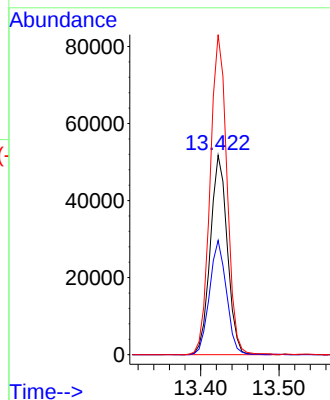
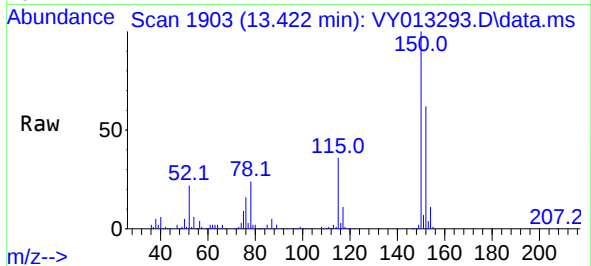




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY013293.D
 Acq: 13 Apr 2023 14:08

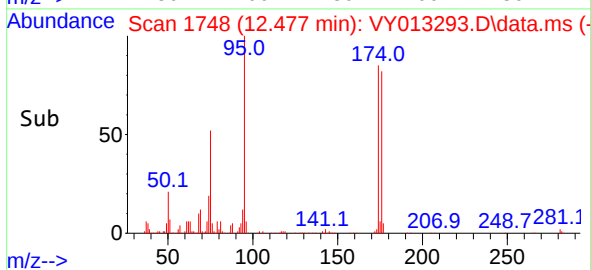
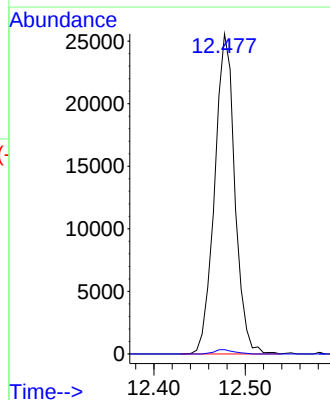
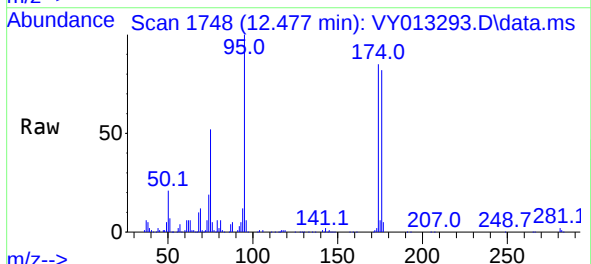
Instrument :
 MSVOA_Y
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 OU3-FC-BACKFILL-01

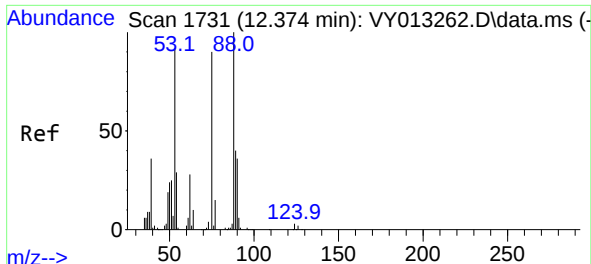
Tgt Ion:152 Resp: 78005
 Ion Ratio Lower Upper
 152 100
 115 57.0 27.1 81.3
 150 158.9 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 40.403 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY013293.D
 Acq: 13 Apr 2023 14:08

Tgt Ion: 75 Resp: 39272
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

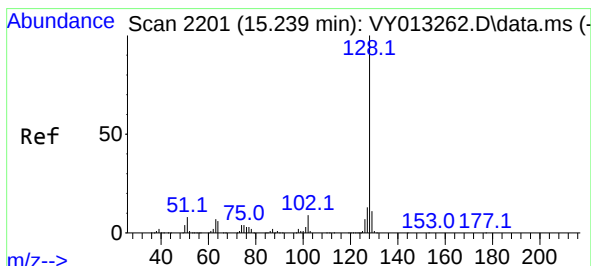
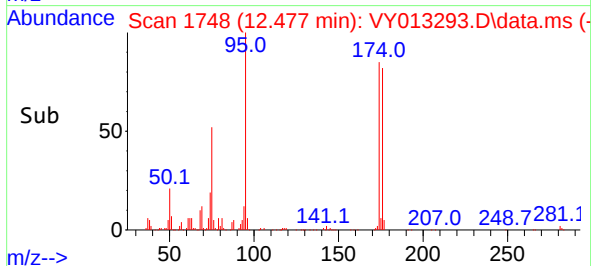
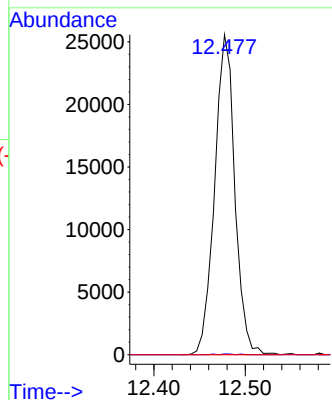
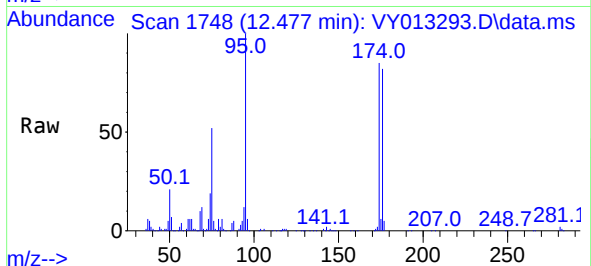




#81
trans-1,4-Dichloro-2-butene
Concen: 83.857 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-01

Tgt Ion: 75 Resp: 39272
Ion Ratio Lower Upper
75 100
53 0.2 73.4 110.0#
89 0.0 36.6 55.0#



#95
Naphthalene
Concen: 3.294 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013293.D
Acq: 13 Apr 2023 14:08

Tgt Ion: 128 Resp: 327
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

