

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013300.D
 Acq On : 13 Apr 2023 16:52
 Operator : KP/MD
 Sample : 02224-15
 Misc : 5.75g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-08

Quant Time: Apr 14 03:01:10 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)

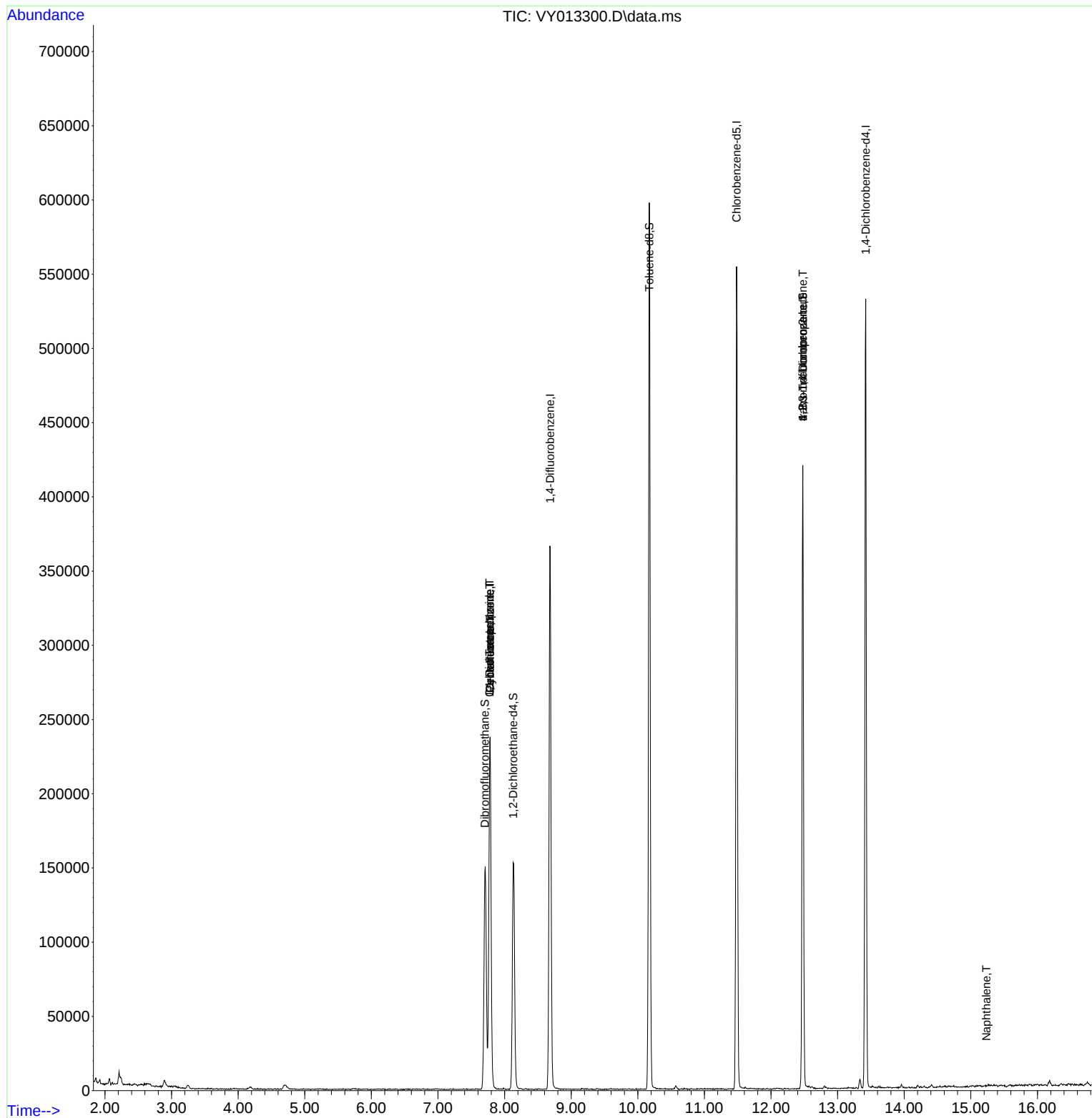
Internal Standards						
1) Pentafluorobenzene	7.783	168	181190	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	305829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	285228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	132157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	125522	57.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.300%
35) Dibromofluoromethane	7.703	113	107831	54.462	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.920%
50) Toluene-d8	10.173	98	379971	51.559	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.120%
62) 4-Bromofluorobenzene	12.477	95	117587	49.107	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.220%
Target Compounds						
11) Tert butyl alcohol	4.942	59	31	Below Cal	#	74
20) Methylene Chloride	4.704	84	2112	Below Cal		89
31) Cyclohexane	7.783	56	4624	1.404	ug/l #	1
36) 1,1-Dichloropropene	7.777	75	14111	4.705	ug/l #	49
38) Carbon Tetrachloride	7.777	117	17176	5.179	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	62226	37.787	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62226	78.426	ug/l #	13
95) Naphthalene	15.233	128	326	3.257	ug/l #	69

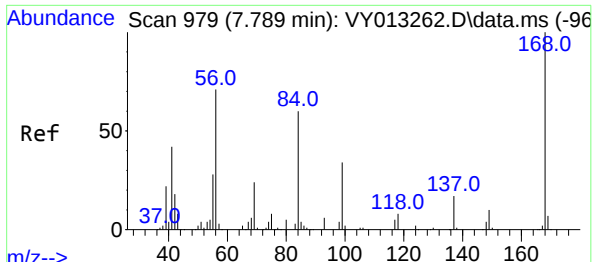
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
OU3-FC-BACKFILL-08

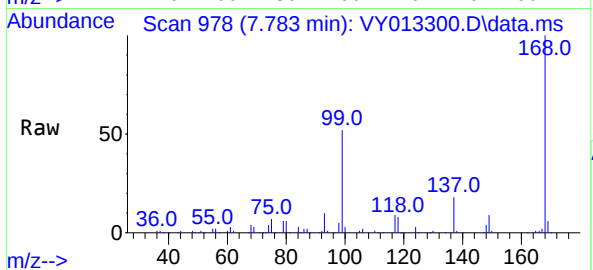
Quant Time: Apr 14 03:01:10 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration



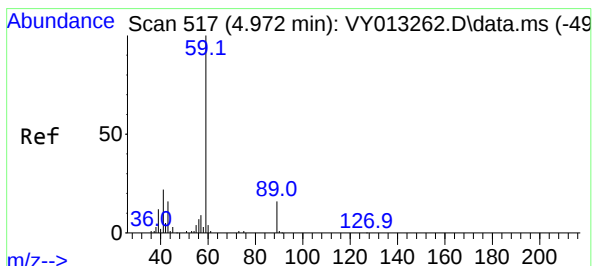
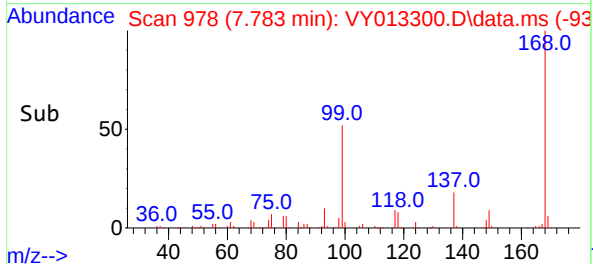
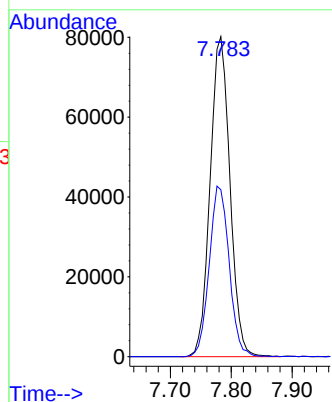


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-08

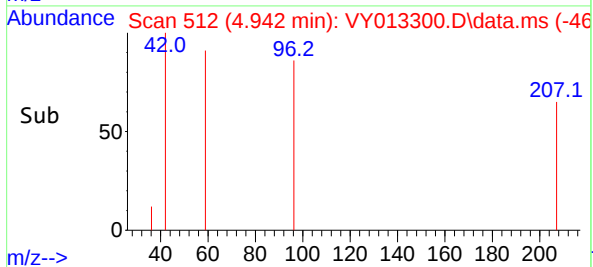
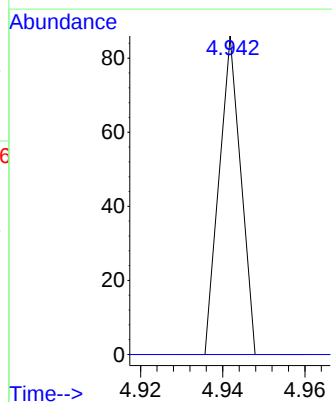
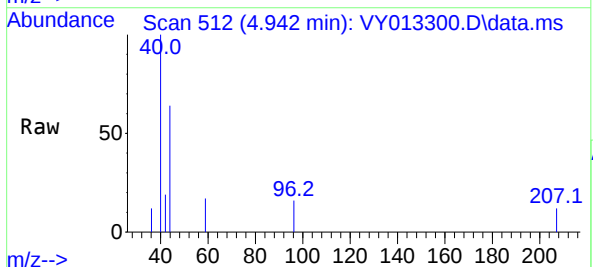


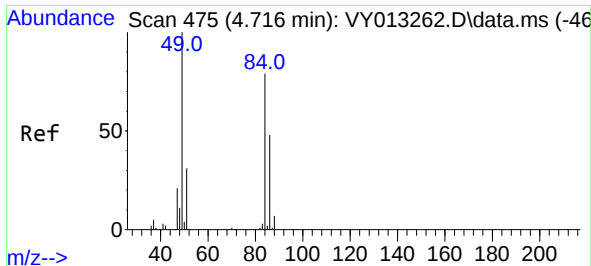
Tgt Ion:168 Resp: 181190
Ion Ratio Lower Upper
168 100
99 52.2 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.030 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

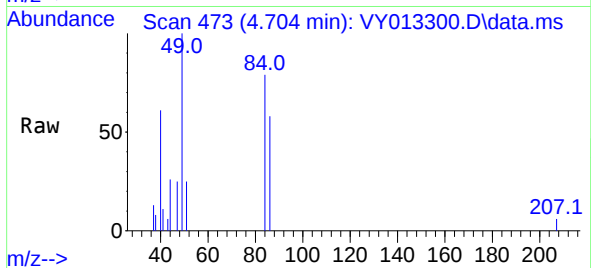
Tgt Ion: 59 Resp: 31
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





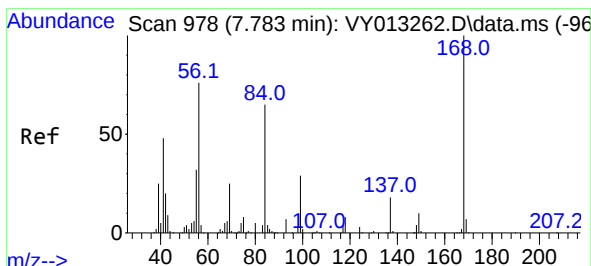
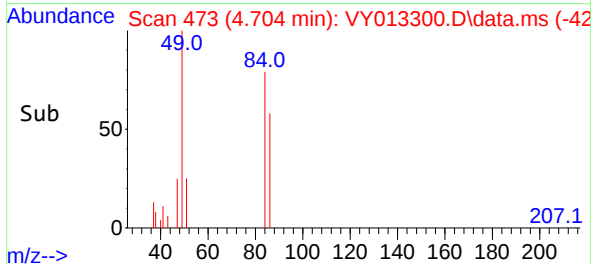
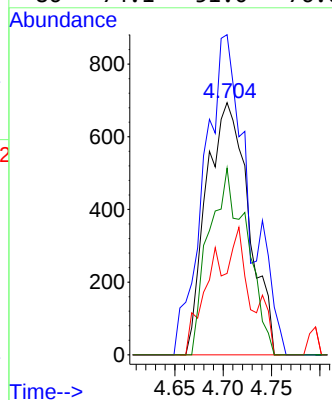
#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-08



Tgt Ion: 84 Resp: 2112

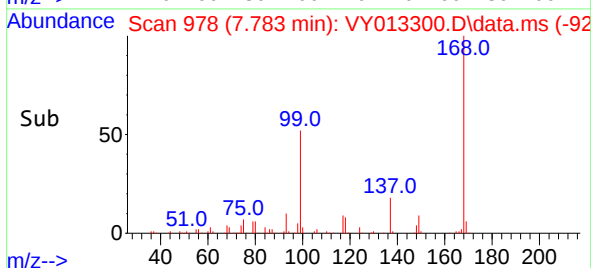
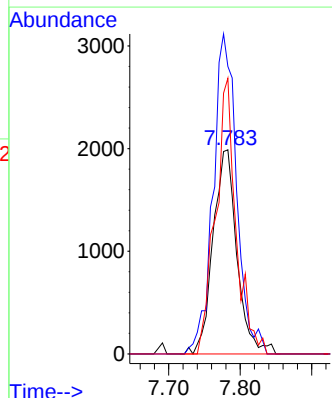
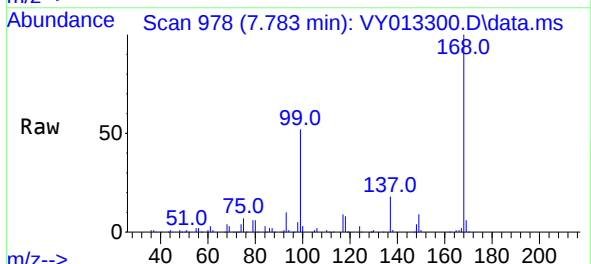
Ion	Ratio	Lower	Upper
84	100		
49	117.0	102.6	154.0
51	32.3	31.9	47.9
86	74.1	51.0	76.6

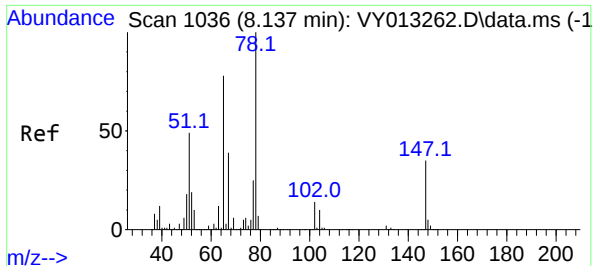


#31
Cyclohexane
Concen: 1.404 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Tgt Ion: 56 Resp: 4624

Ion	Ratio	Lower	Upper
56	100		
69	140.8	25.7	38.5#
84	135.1	64.3	96.5#





#33

1,2-Dichloroethane-d4

Concen: 57.645 ug/l

RT: 8.130 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY013300.D

Acq: 13 Apr 2023 16:52

Instrument :

MSVOA_Y

ClientSampleId :

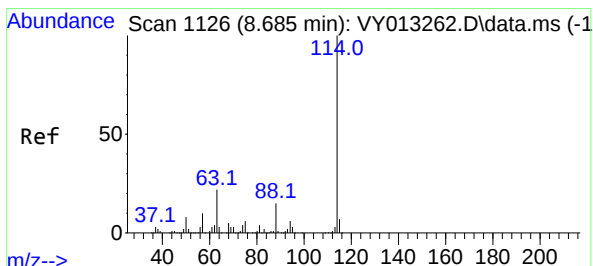
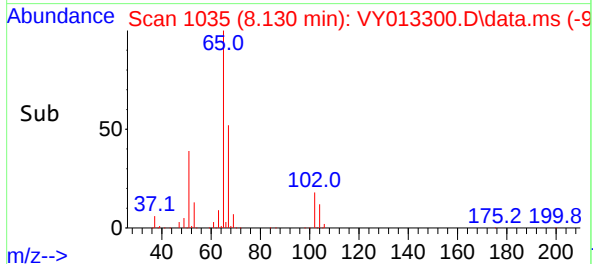
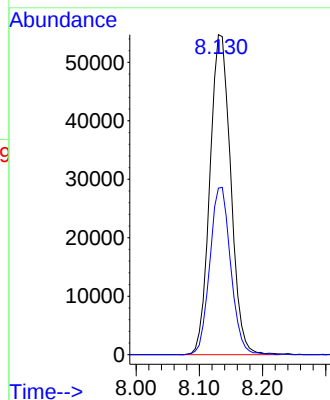
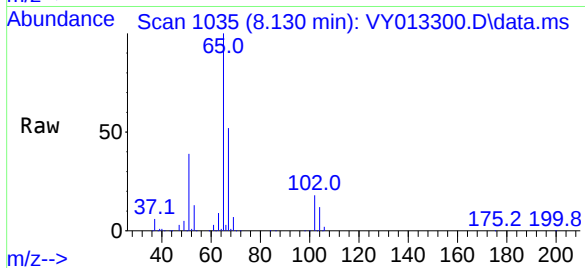
OU3-FC-BACKFILL-08

Tgt Ion: 65 Resp: 125522

Ion Ratio Lower Upper

65 100

67 52.3 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: VY013300.D

Acq: 13 Apr 2023 16:52

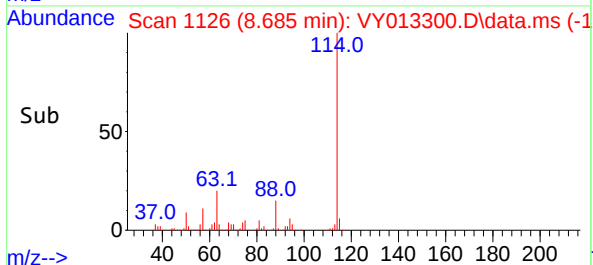
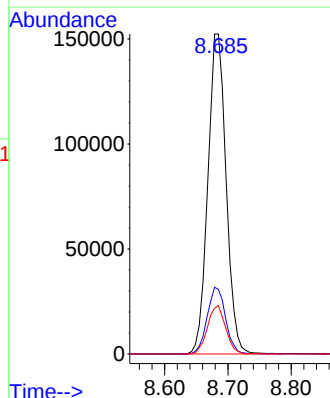
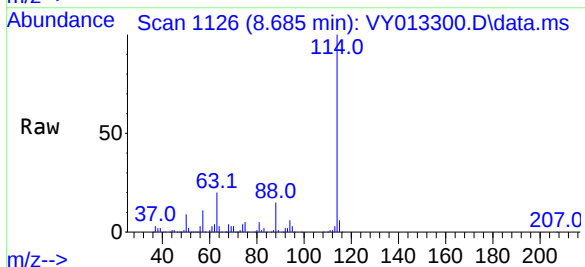
Tgt Ion: 114 Resp: 305829

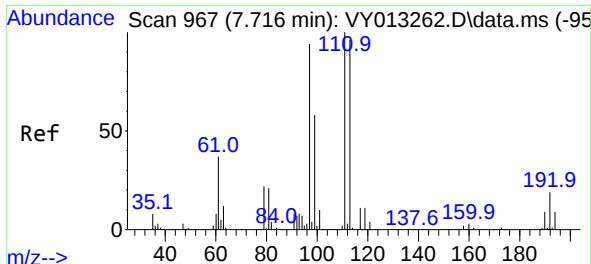
Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 15.1 0.0 28.6



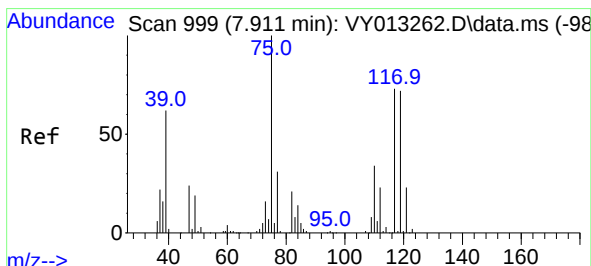
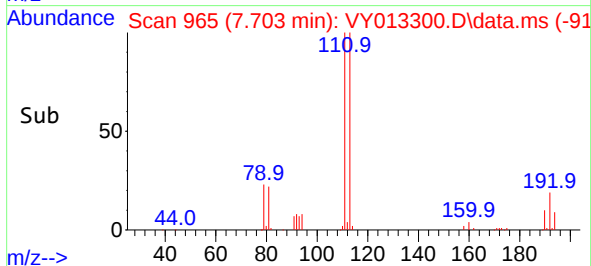
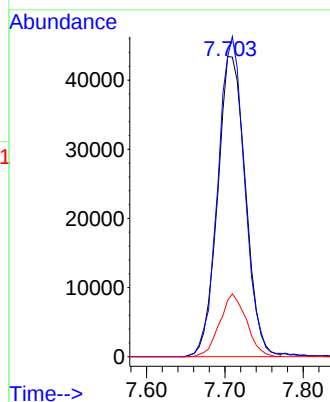
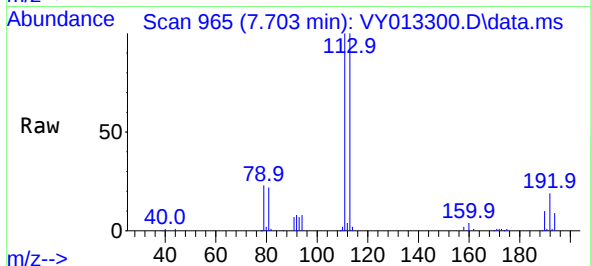


#35
Dibromofluoromethane
Concen: 54.462 ug/l
RT: 7.703 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Instrument :
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OU3-FC-BACKFILL-08

Tgt Ion:113 Resp: 107831

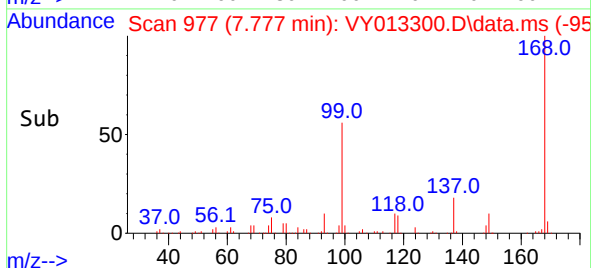
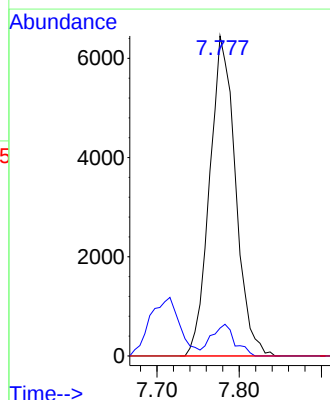
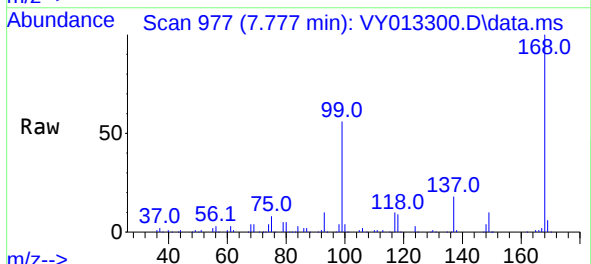
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.2
192	20.0	16.8	25.2

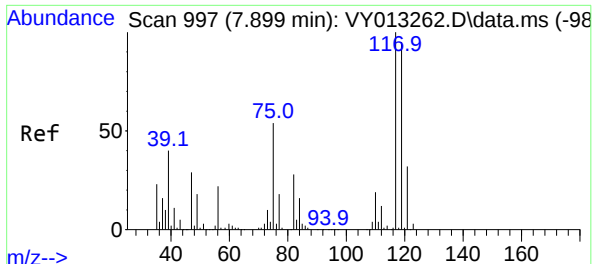


#36
1,1-Dichloropropene
Concen: 4.705 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.134 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Tgt Ion: 75 Resp: 14111

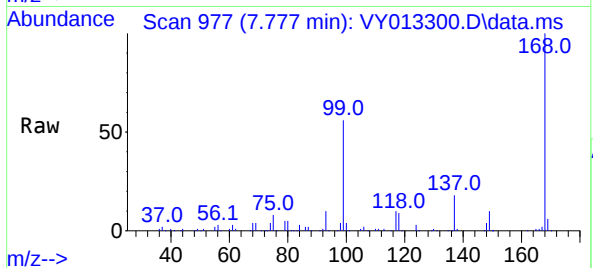
Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.8	53.3#
77	0.0	25.0	37.4#



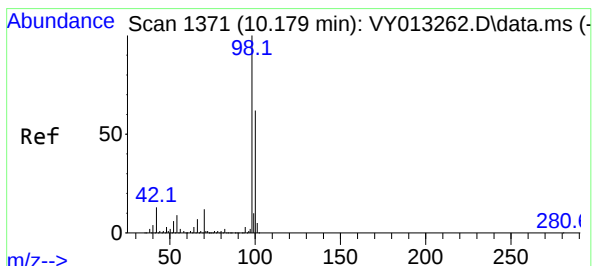
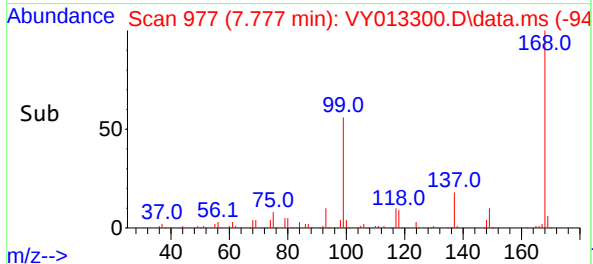
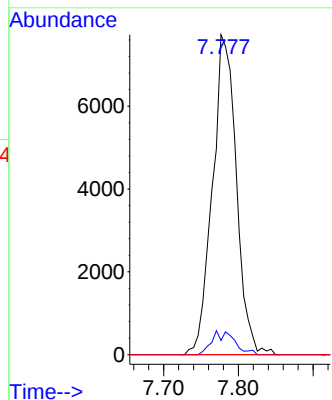


#38
Carbon Tetrachloride
Concen: 5.179 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-08

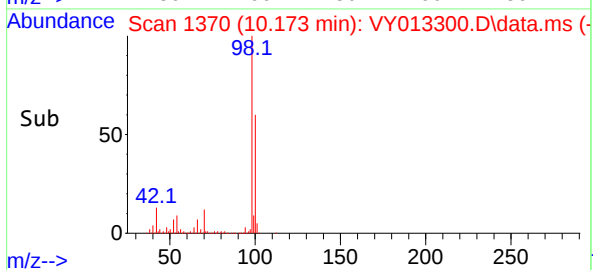
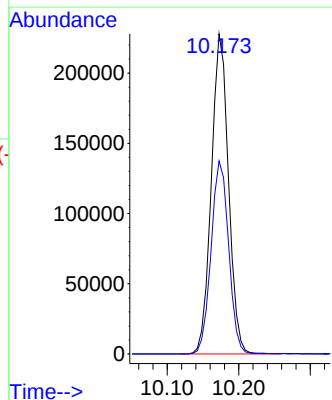
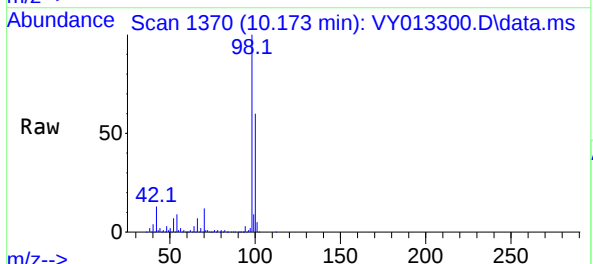


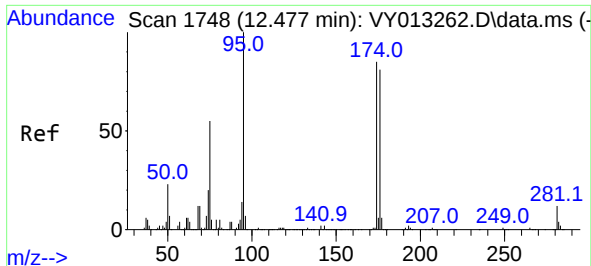
Tgt Ion:117 Resp: 17176
Ion Ratio Lower Upper
117 100
119 4.4 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.559 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Tgt Ion: 98 Resp: 379971
Ion Ratio Lower Upper
98 100
100 61.8 50.9 76.3

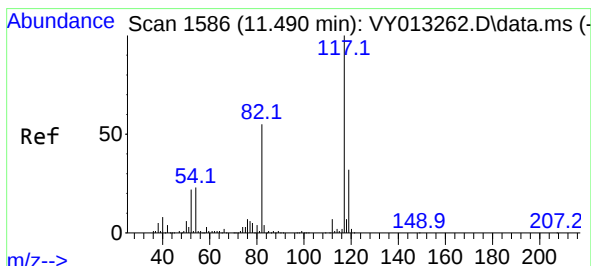
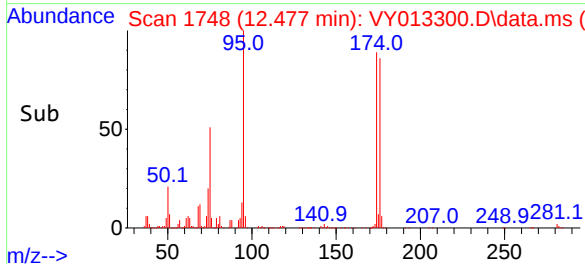
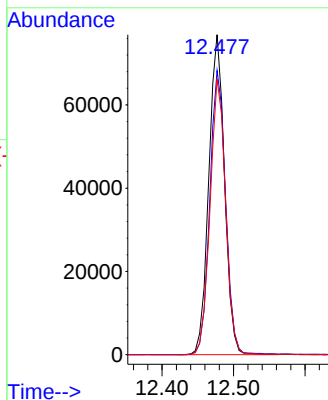
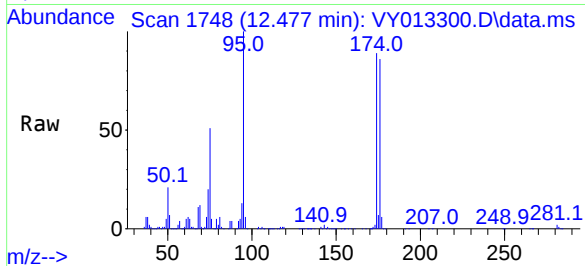




#62
4-Bromofluorobenzene
Concen: 49.107 ug/l
RT: 12.477 min Scan# 117587
Delta R.T. -0.000 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

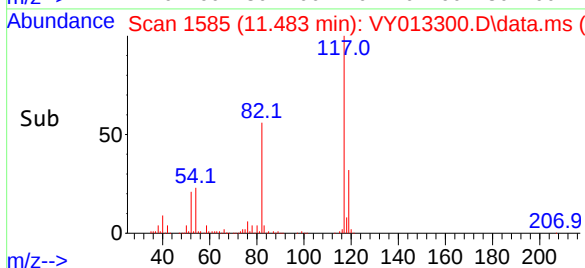
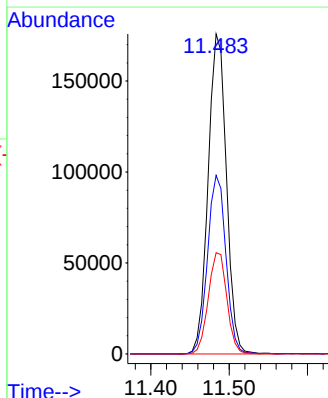
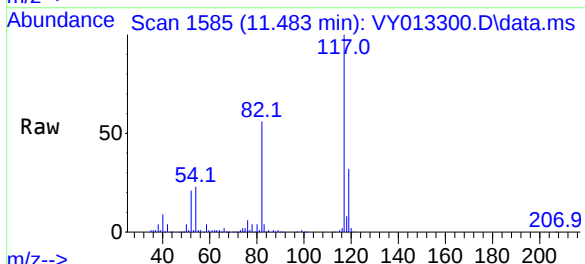
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-08

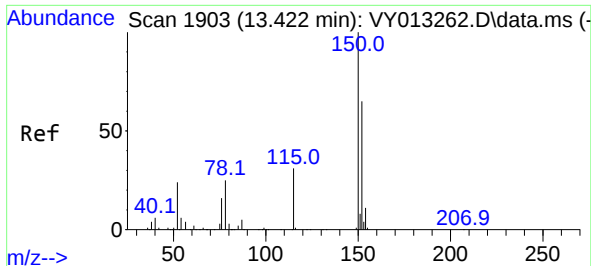
Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	176.6
176	85.0	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.006 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Tgt Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.4	68.0
119	31.6	25.6	38.4

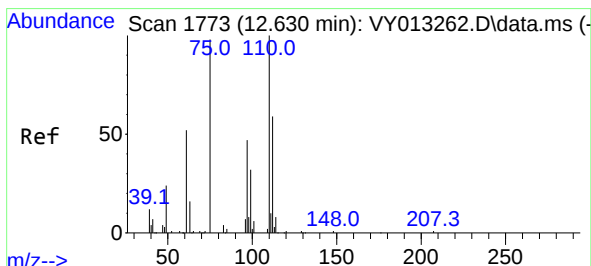
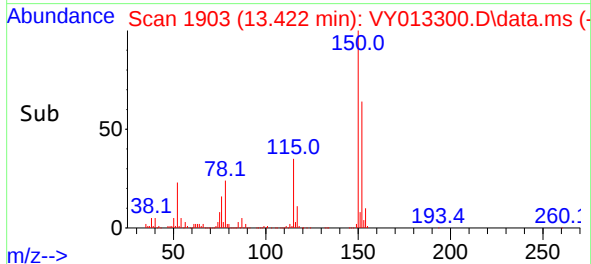
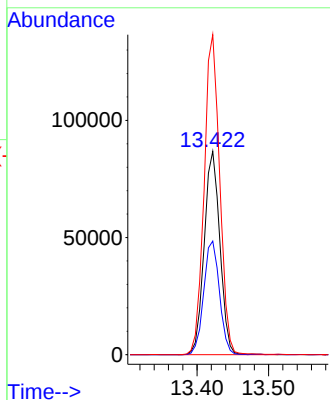
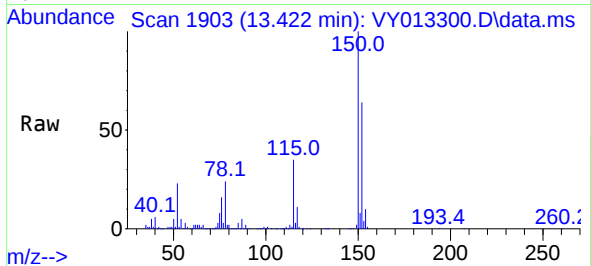




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY013300.D
 Acq: 13 Apr 2023 16:52

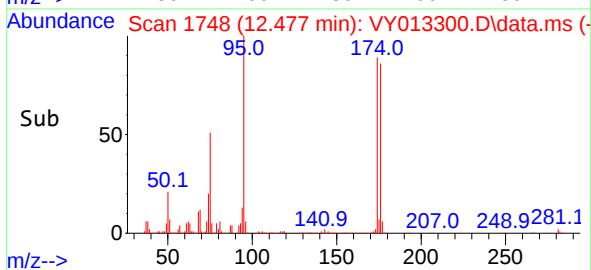
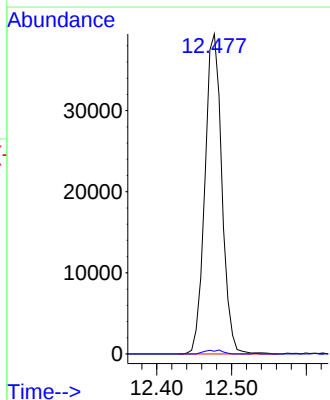
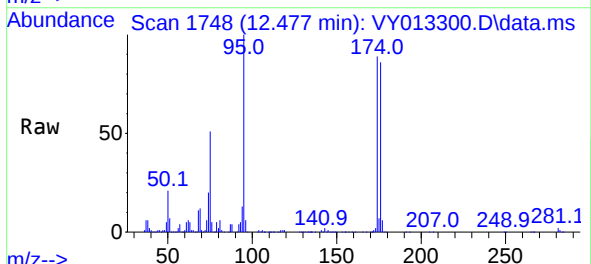
Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-08

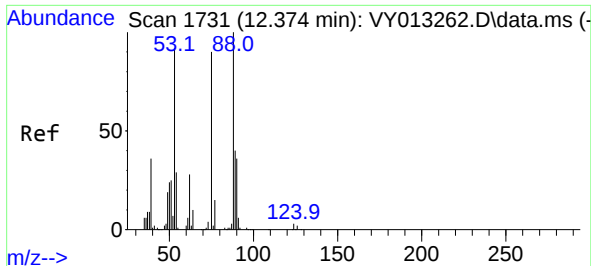
Tgt Ion:152 Resp: 132157
 Ion Ratio Lower Upper
 152 100
 115 56.1 27.1 81.3
 150 156.5 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 37.787 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY013300.D
 Acq: 13 Apr 2023 16:52

Tgt Ion: 75 Resp: 62226
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

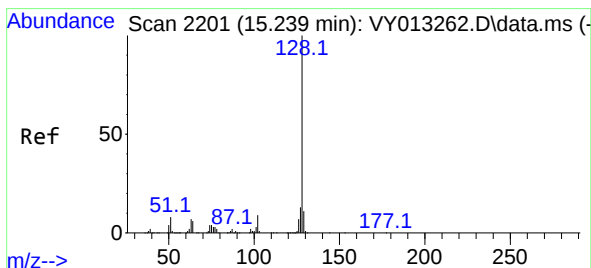
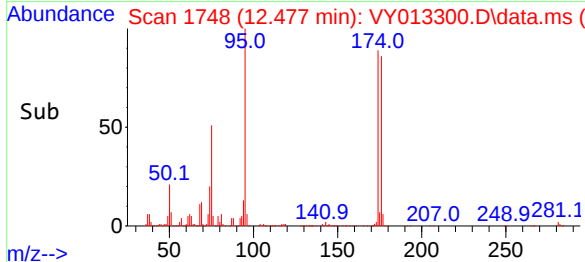
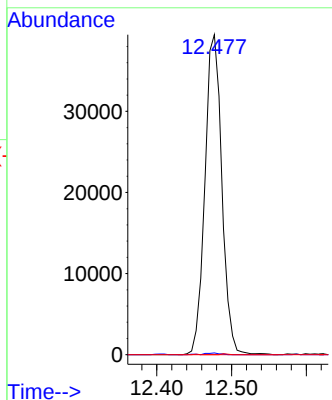
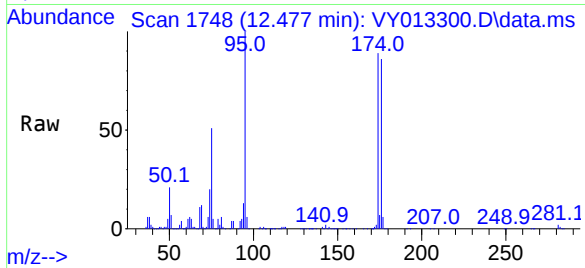




#81
trans-1,4-Dichloro-2-butene
Concen: 78.426 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-08

Tgt Ion: 75 Resp: 62226
Ion Ratio Lower Upper
75 100
53 0.5 73.4 110.0#
89 0.1 36.6 55.0#



#95
Naphthalene
Concen: 3.257 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013300.D
Acq: 13 Apr 2023 16:52

Tgt Ion: 128 Resp: 326
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

