

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013305.D
 Acq On : 13 Apr 2023 18:49
 Operator : KP/MD
 Sample : 02224-25
 Misc : 4.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-13

Quant Time: Apr 14 03:01:54 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)

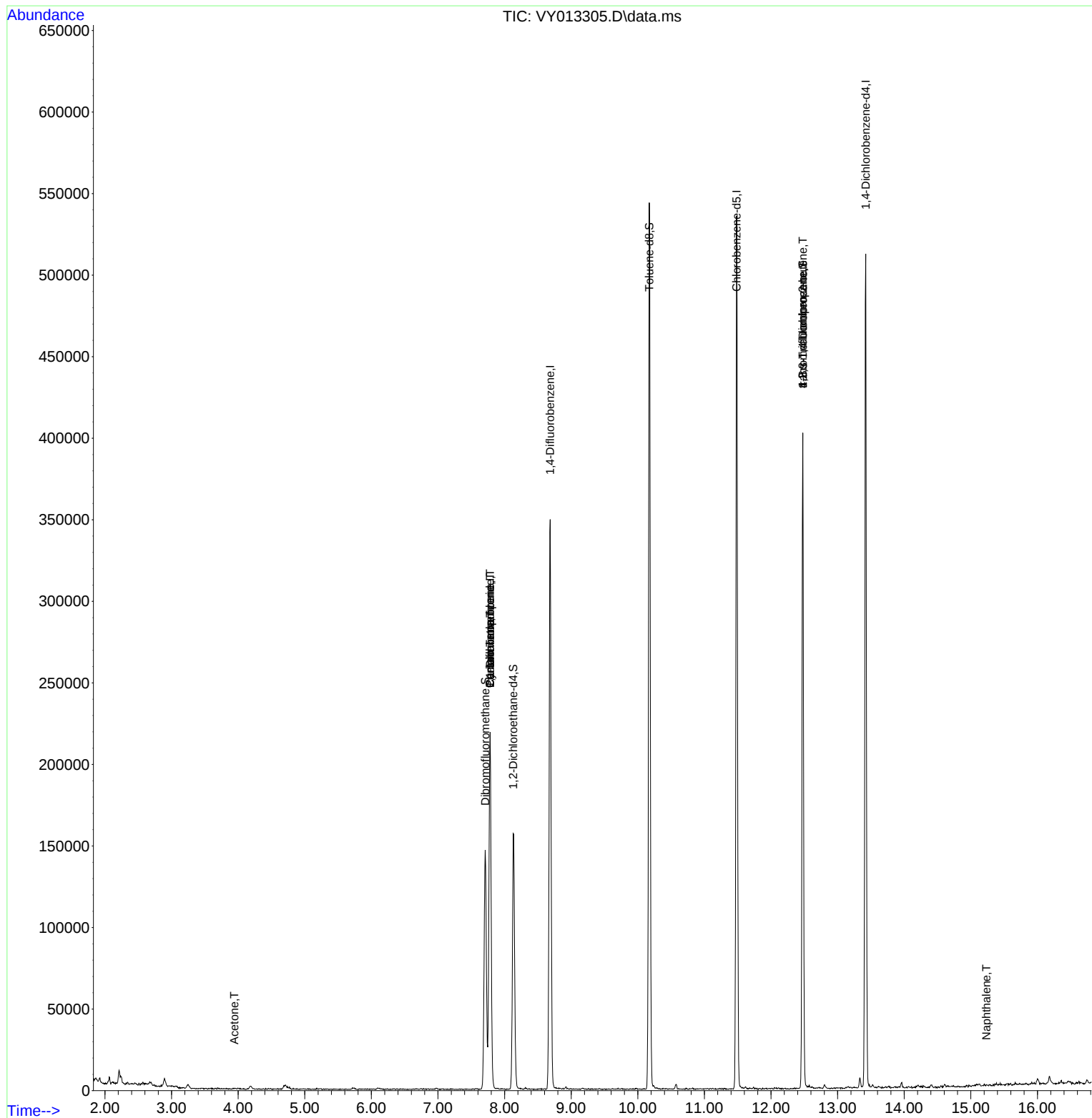
Internal Standards						
1) Pentafluorobenzene	7.783	168	166890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	286441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	272206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	130004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	122269	60.963	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 121.920%		
35) Dibromofluoromethane	7.710	113	102338	55.187	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 110.380%		
50) Toluene-d8	10.173	98	351839	50.973	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 101.940%		
62) 4-Bromofluorobenzene	12.477	95	110853	49.429	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 98.860%		
Target Compounds						
11) Tert butyl alcohol	4.936	59	54	Below Cal	#	74
16) Acetone	3.942	43	734	1.064	ug/l #	44
20) Methylene Chloride	4.704	84	1579	Below Cal	#	80
31) Cyclohexane	7.783	56	3942	1.300	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	13209	4.702	ug/l #	49
38) Carbon Tetrachloride	7.783	117	16751	5.392	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	60871	37.576	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60871	77.988	ug/l #	13
95) Naphthalene	15.233	128	376	3.266	ug/l #	93

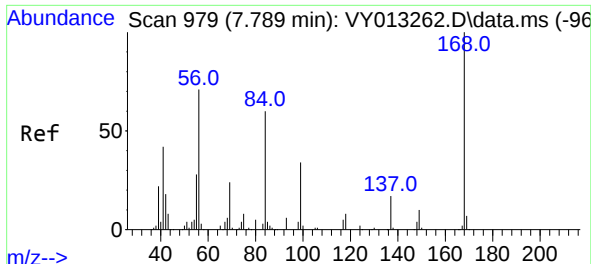
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 14 03:01:54 2023
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Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
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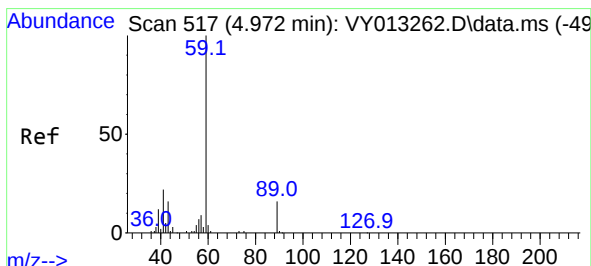
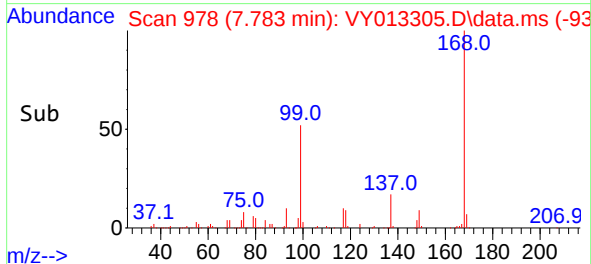
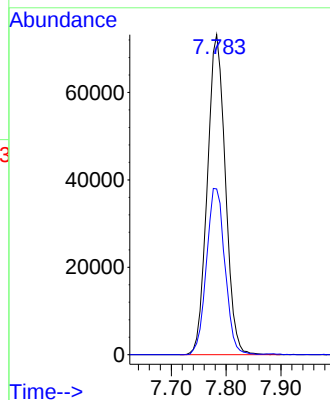
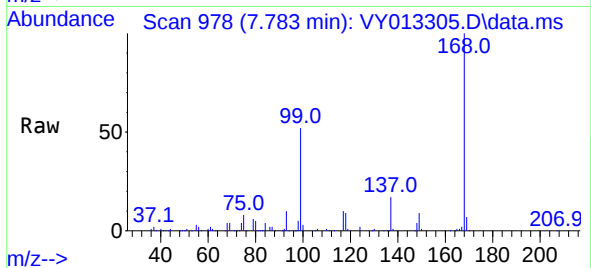




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

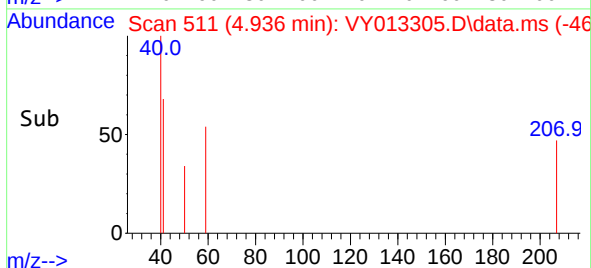
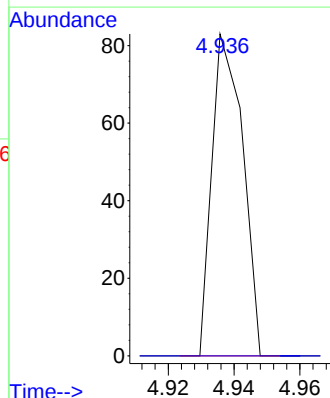
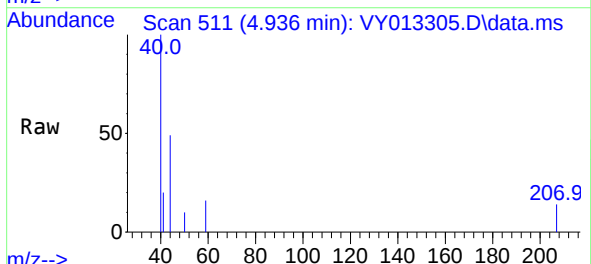
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-13

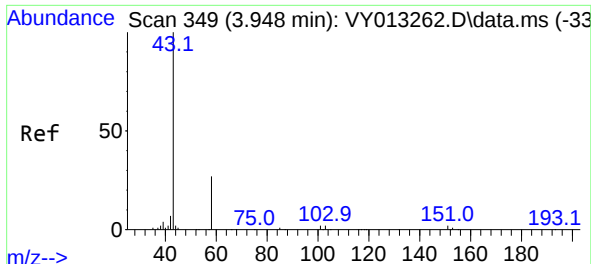
Tgt Ion:168 Resp: 166890
Ion Ratio Lower Upper
168 100
99 51.8 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 511
Delta R.T. -0.036 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

Tgt Ion: 59 Resp: 54
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

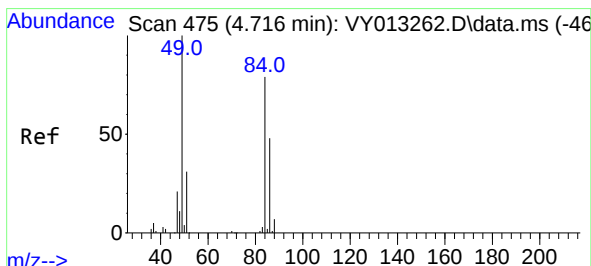
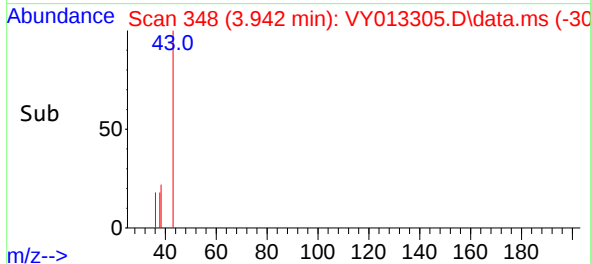
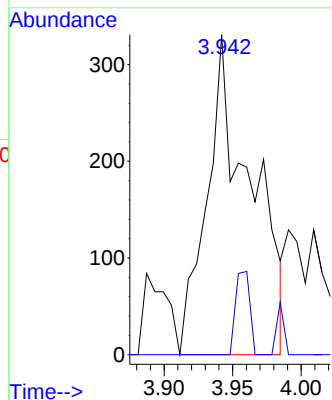
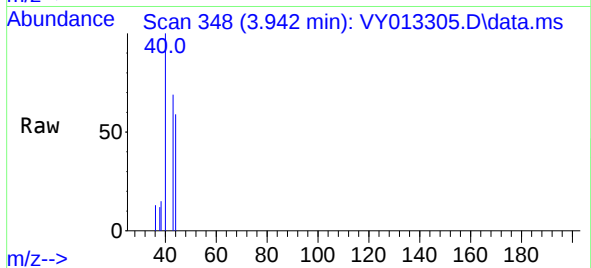




#16
Acetone
Concen: 1.064 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

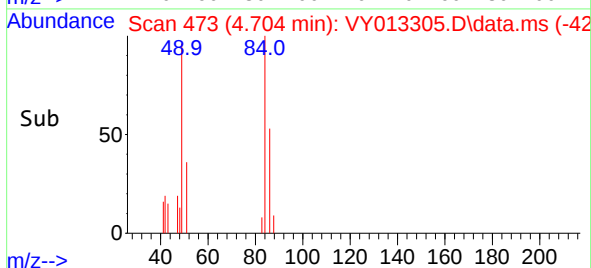
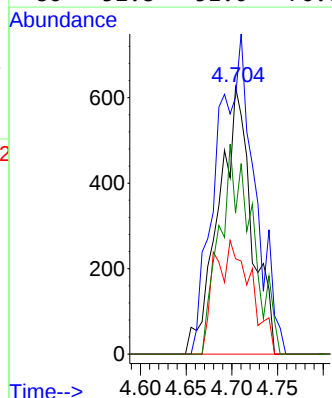
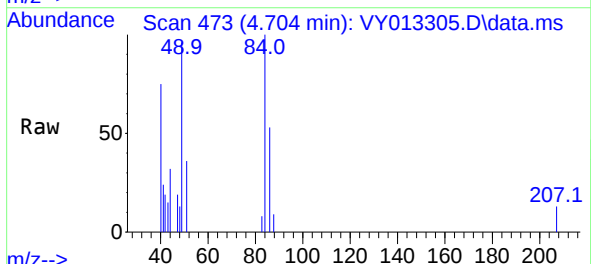
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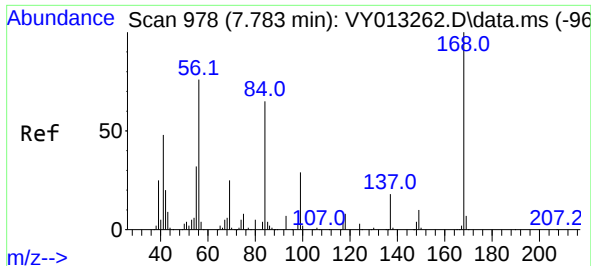
Tgt Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

Tgt Ion: 84 Resp: 1579
Ion Ratio Lower Upper
84 100
49 96.2 102.6 154.0#
51 35.7 31.9 47.9
86 52.8 51.0 76.6

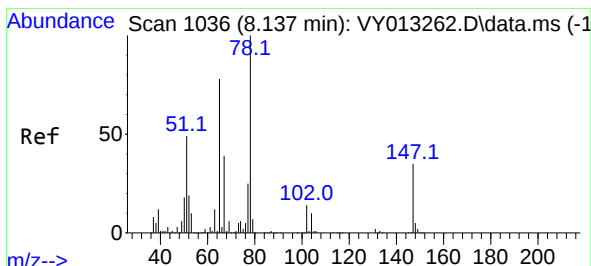
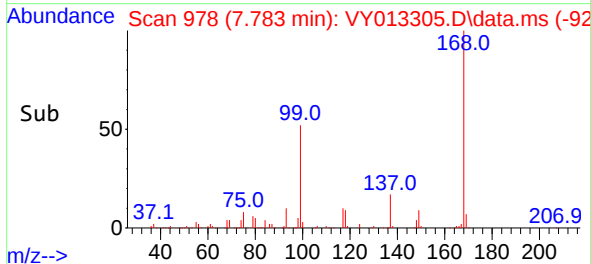
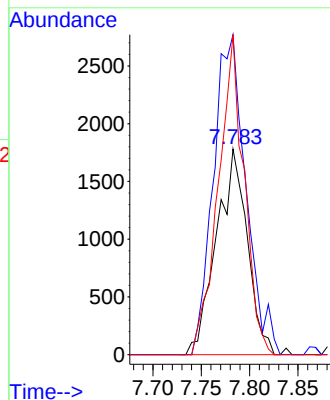
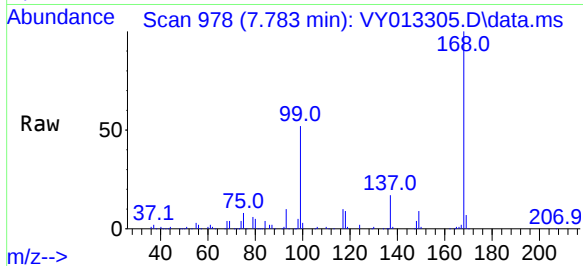




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

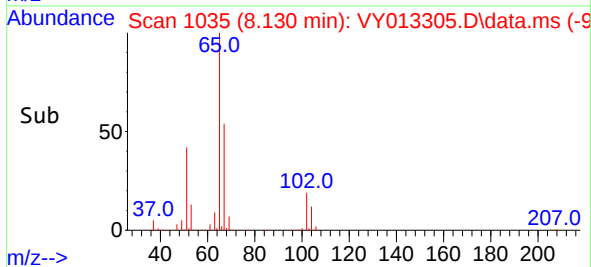
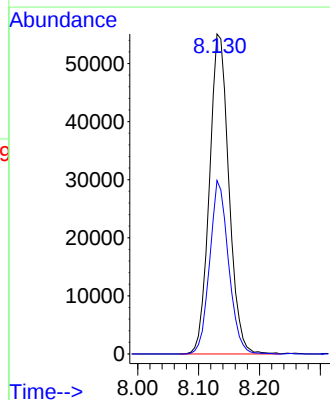
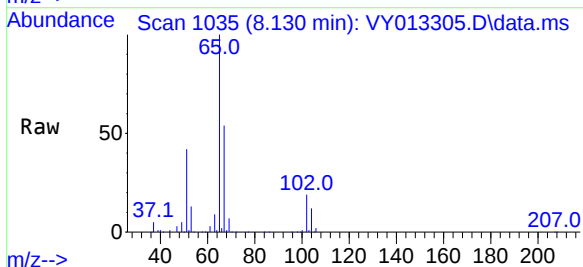
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-13

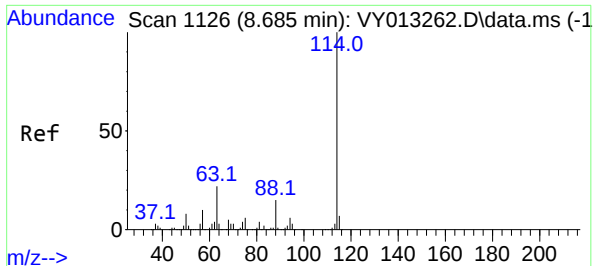
Tgt Ion: 56 Resp: 3942
Ion Ratio Lower Upper
56 100
69 155.7 25.7 38.5#
84 155.7 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 60.963 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

Tgt Ion: 65 Resp: 122269
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0



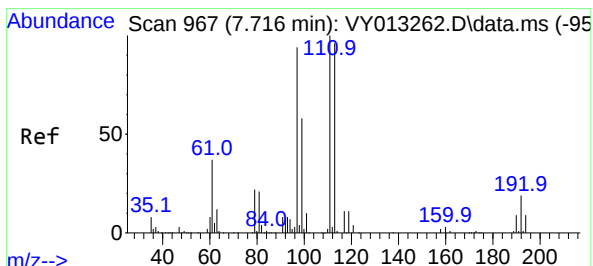
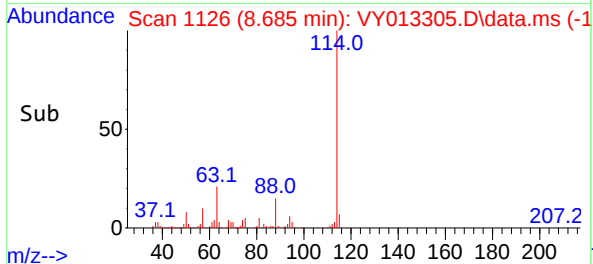
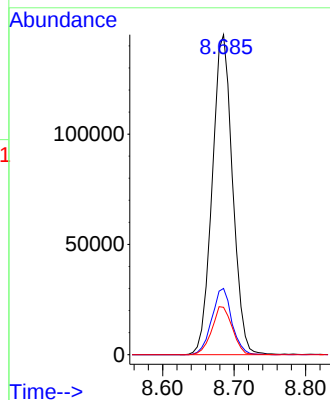
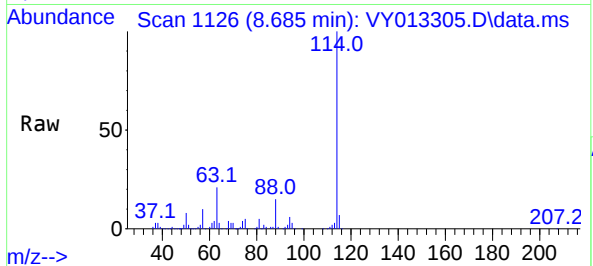


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

Instrument :
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Tgt Ion:114 Resp: 286441

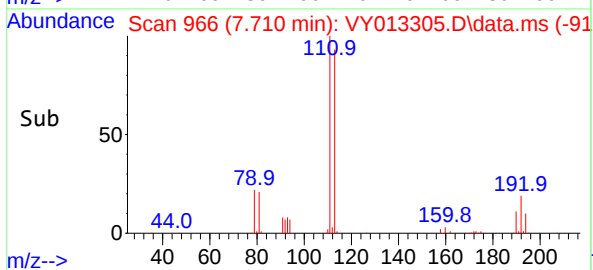
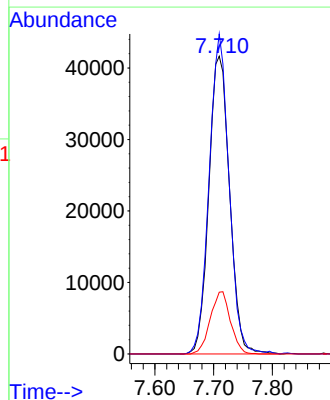
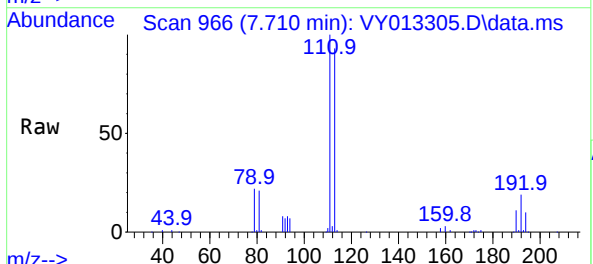
Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	37.4
88	14.8	0.0	28.6

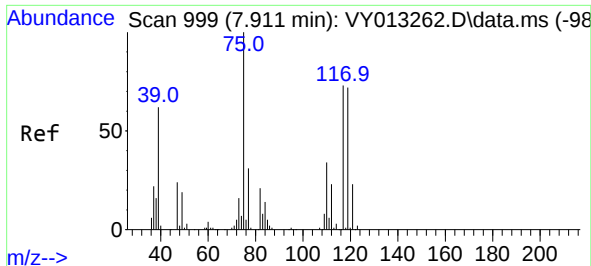


#35
Dibromofluoromethane
Concen: 55.187 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

Tgt Ion:113 Resp: 102338

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	20.2	16.8	25.2

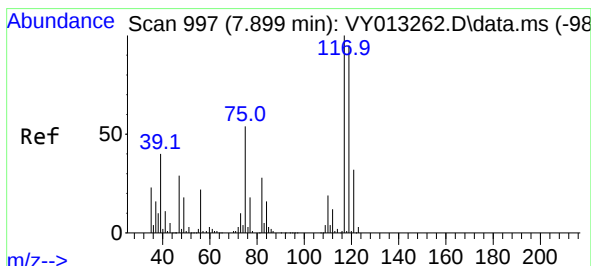
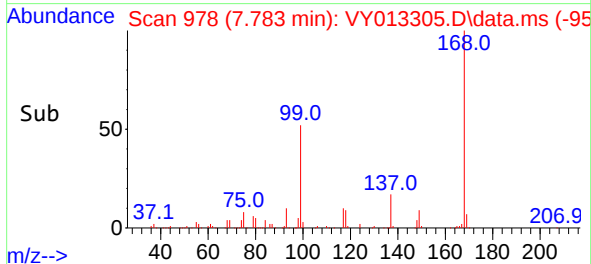
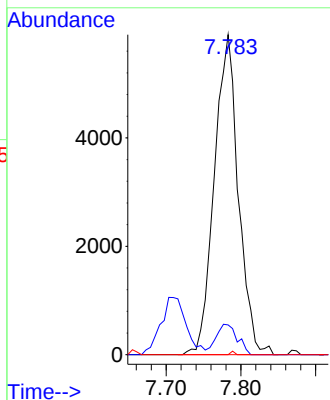
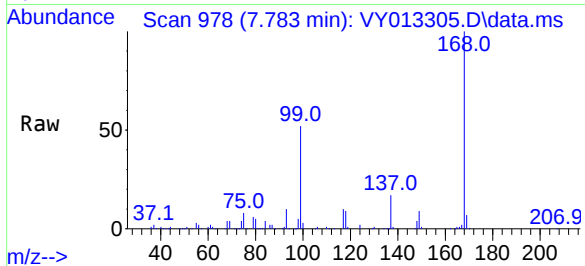




#36
1,1-Dichloropropene
Concen: 4.702 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

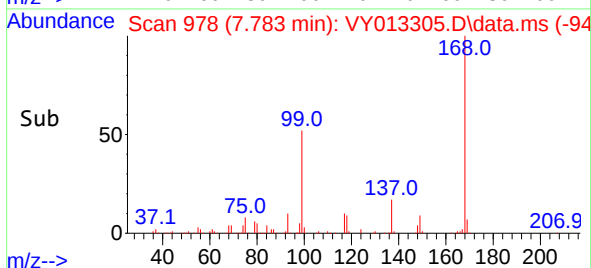
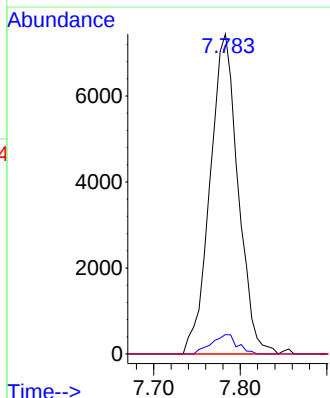
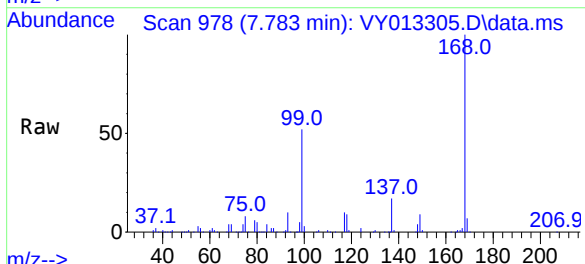
Instrument :
MSVOA_Y
ClientSampleId :
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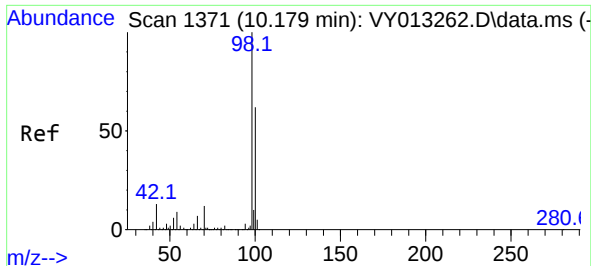
Tgt Ion: 75 Resp: 13209
Ion Ratio Lower Upper
75 100
110 8.4 17.8 53.3#
77 0.2 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.392 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

Tgt Ion: 117 Resp: 16751
Ion Ratio Lower Upper
117 100
119 6.1 77.2 115.8#
121 0.0 24.7 37.1#

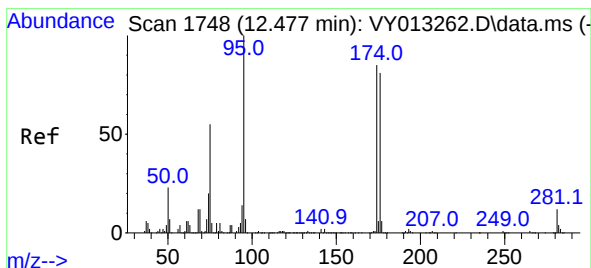
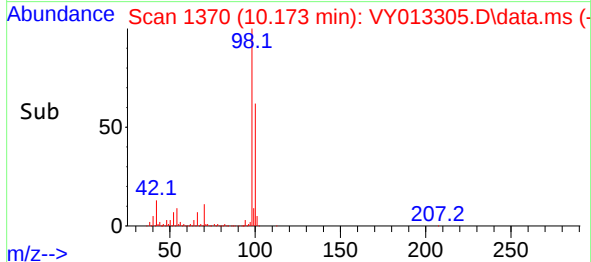
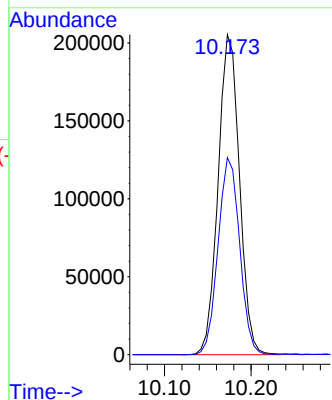
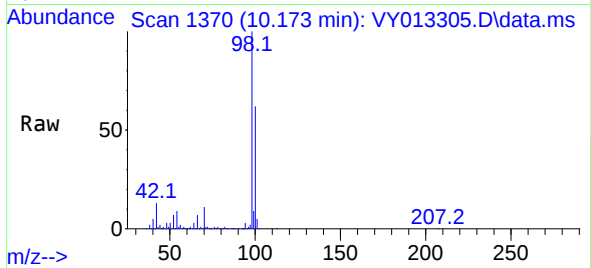




#50
Toluene-d8
Concen: 50.973 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

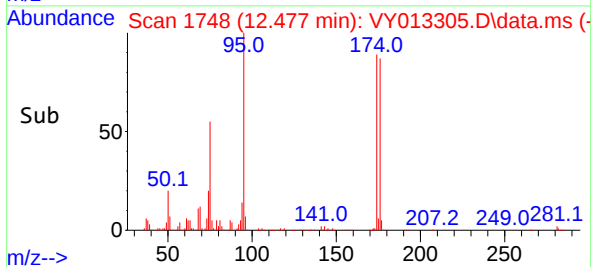
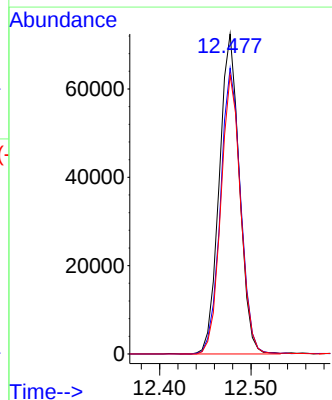
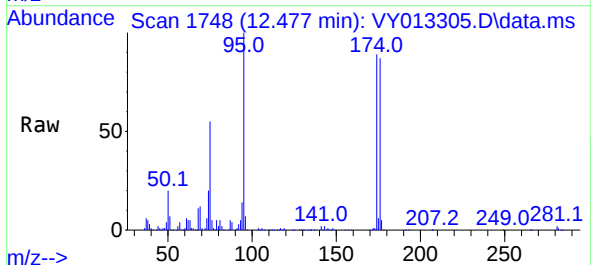
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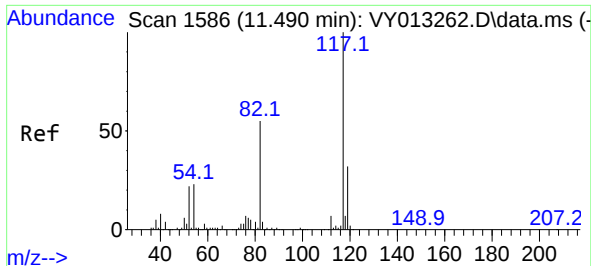
Tgt Ion: 98 Resp: 351839
Ion Ratio Lower Upper
98 100
100 62.4 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 49.429 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

Tgt Ion: 95 Resp: 110853
Ion Ratio Lower Upper
95 100
174 89.7 0.0 176.6
176 85.8 0.0 170.2

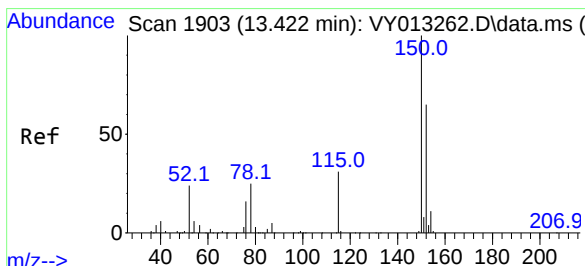
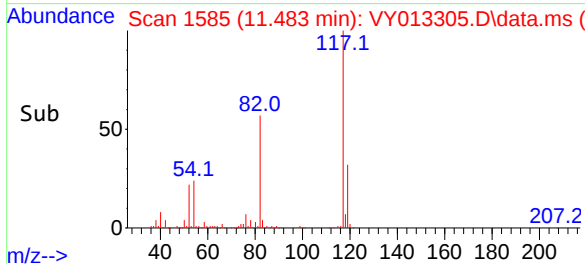
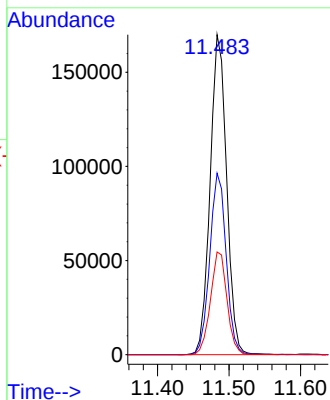
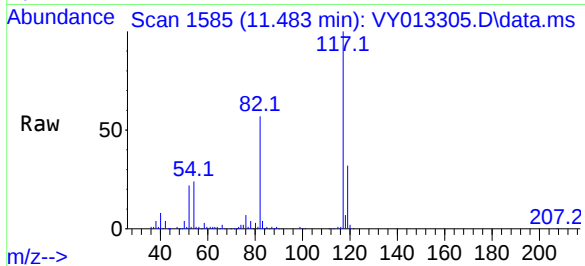




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

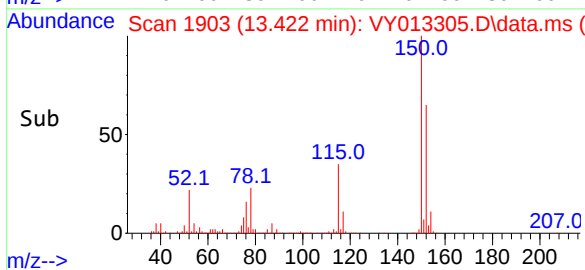
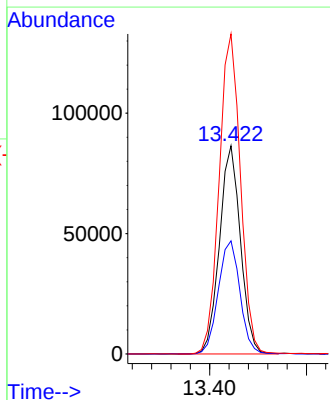
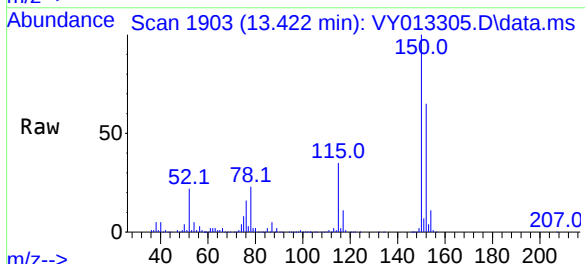
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-13

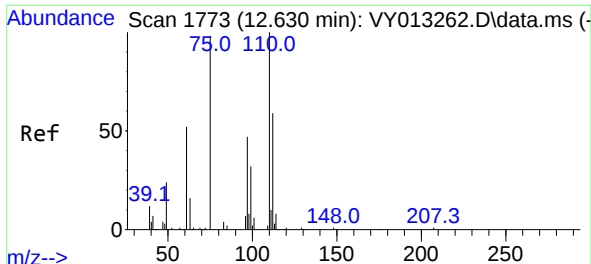
Tgt Ion:117 Resp: 272206
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.0
119 32.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

Tgt Ion:152 Resp: 130004
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 156.4 0.0 347.8

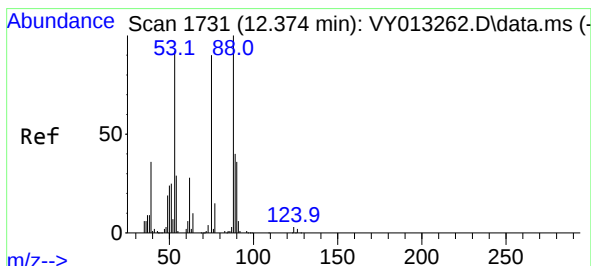
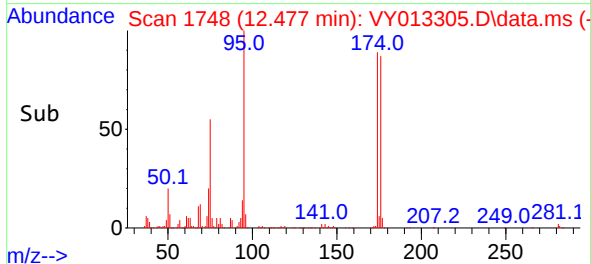
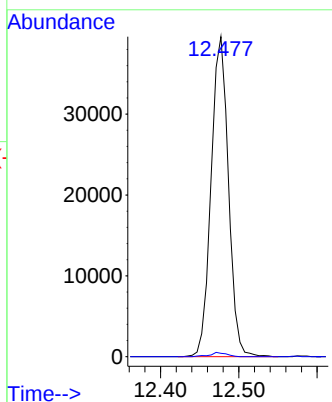
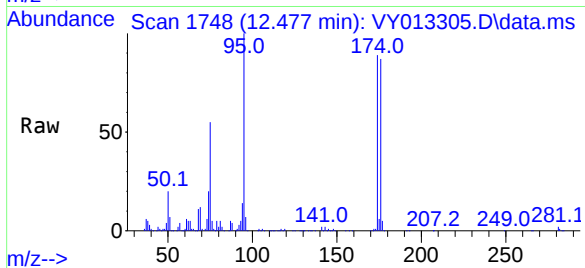




#76
1,2,3-Trichloropropane
Concen: 37.576 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

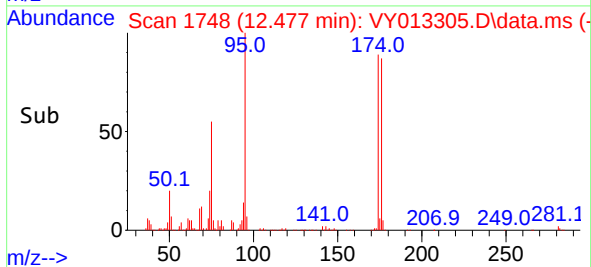
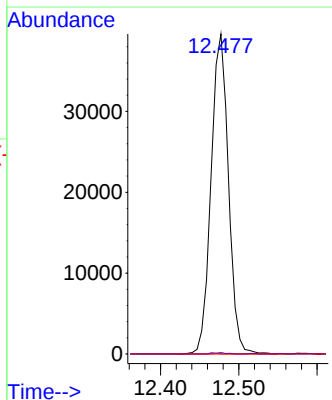
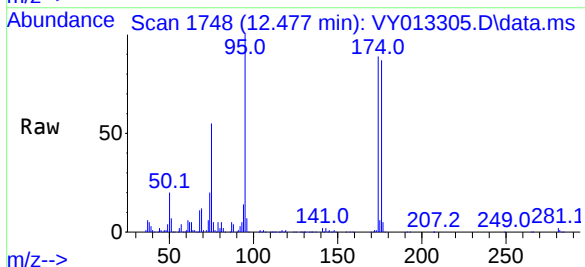
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-13

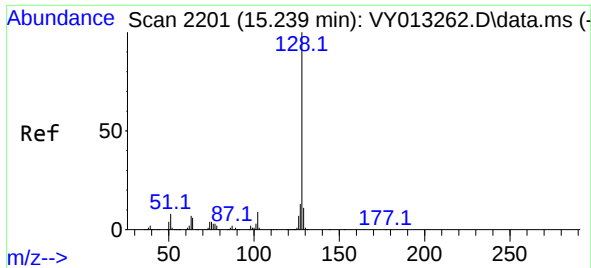
Tgt Ion: 75 Resp: 60871
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.988 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

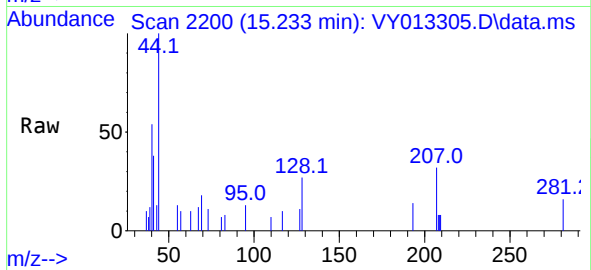
Tgt Ion: 75 Resp: 60871
Ion Ratio Lower Upper
75 100
53 0.3 73.4 110.0#
89 0.0 36.6 55.0#





#95
Naphthalene
Concen: 3.266 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013305.D
Acq: 13 Apr 2023 18:49

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-13



Tgt Ion:	128	Resp:	376
Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.3	15.5#
129	11.2	8.6	13.0

