

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041323\
 Data File : VY013302.D
 Acq On : 13 Apr 2023 17:39
 Operator : KP/MD
 Sample : 02224-19
 Misc : 5.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU3-FC-BACKFILL-10

Quant Time: Apr 14 03:01:28 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)

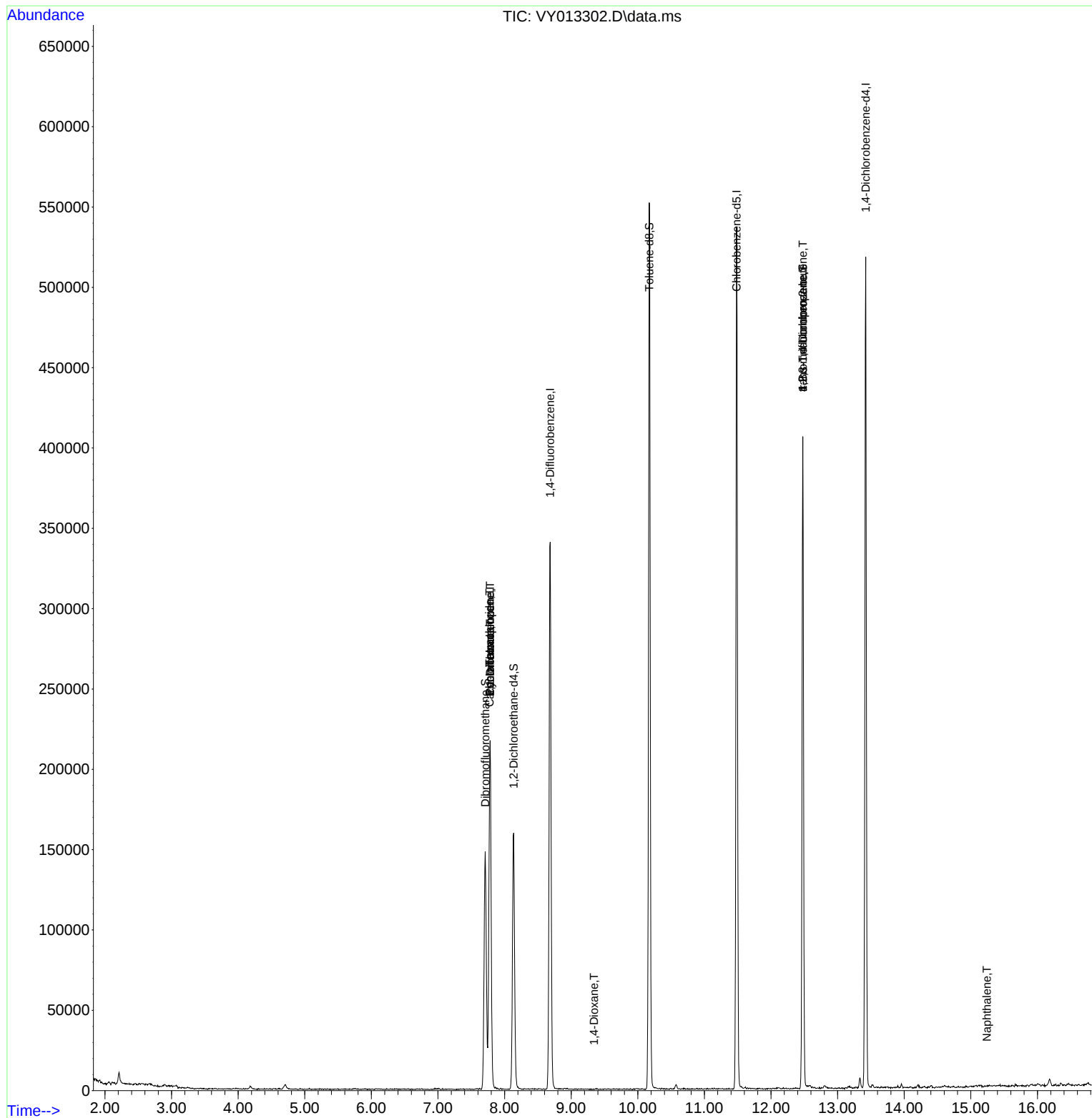
Internal Standards						
1) Pentafluorobenzene	7.783	168	164778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	285928	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	273321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	128193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	122980	62.103	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 124.200%		
35) Dibromofluoromethane	7.710	113	102136	55.177	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 110.360%		
50) Toluene-d8	10.173	98	353430	51.296	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 102.600%		
62) 4-Bromofluorobenzene	12.477	95	112513	50.259	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 100.520%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	21	Below Cal	#	74
20) Methylene Chloride	4.698	84	1931	Below Cal	#	78
31) Cyclohexane	7.783	56	4232	1.413	ug/l #	26
36) 1,1-Dichloropropene	7.783	75	14097	5.027	ug/l #	48
38) Carbon Tetrachloride	7.777	117	17163	5.535	ug/l #	16
49) 1,4-Dioxane	9.343	88	19	1.106	ug/l #	4
76) 1,2,3-Trichloropropane	12.477	75	61246	38.342	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	61246	79.577	ug/l #	13
95) Naphthalene	15.239	128	334	3.260	ug/l #	69

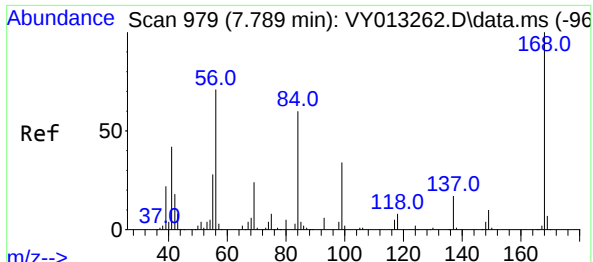
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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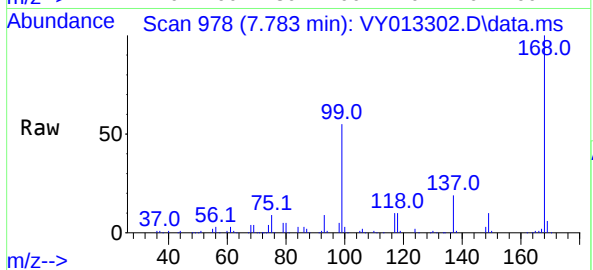
Quant Time: Apr 14 03:01:28 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
Quant Title : SW846 8260
QLast Update : Thu Apr 13 05:55:16 2023
Response via : Initial Calibration



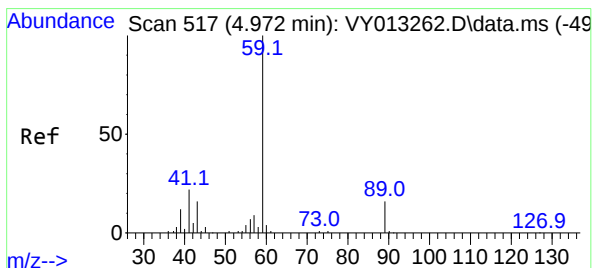
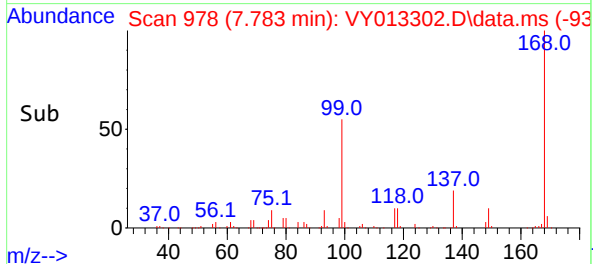
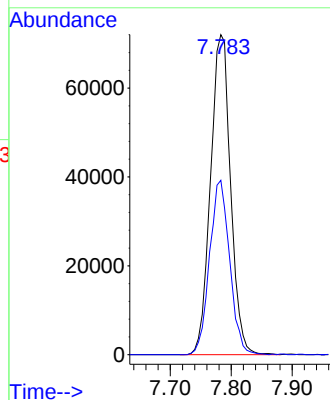


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-10

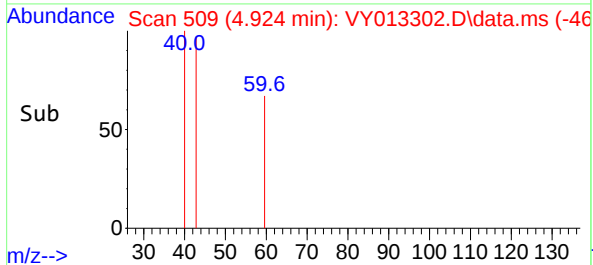
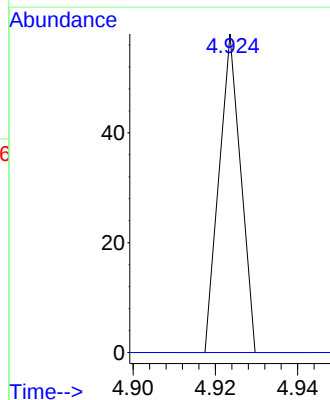
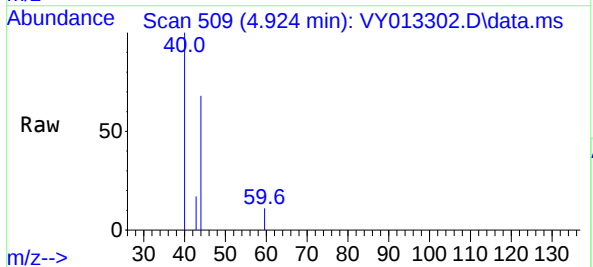


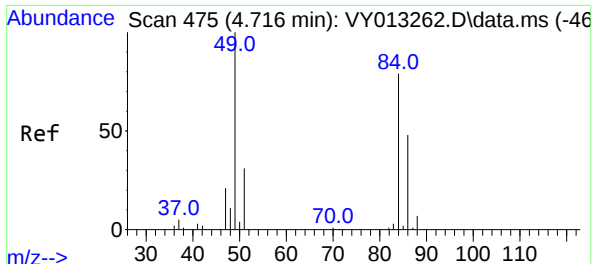
Tgt Ion:168 Resp: 164778
Ion Ratio Lower Upper
168 100
99 54.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.048 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

Tgt Ion: 59 Resp: 21
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



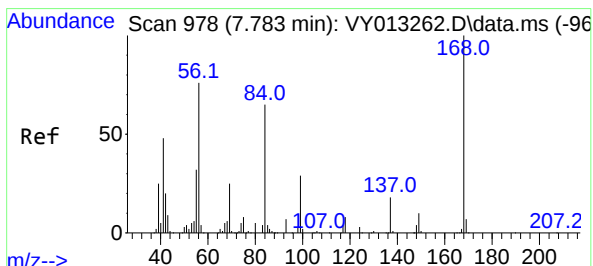
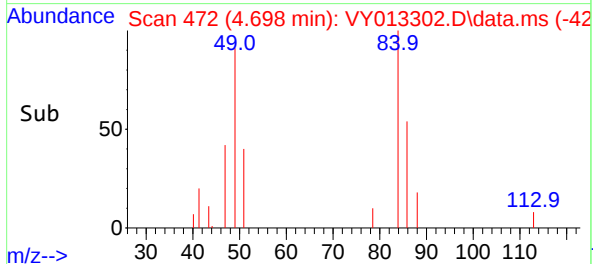
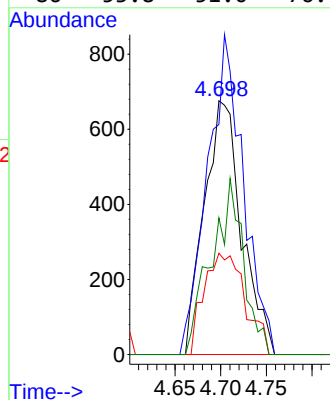
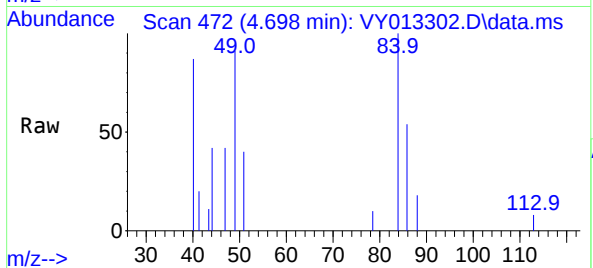


#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.018 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-10

Tgt Ion: 84 Resp: 1931

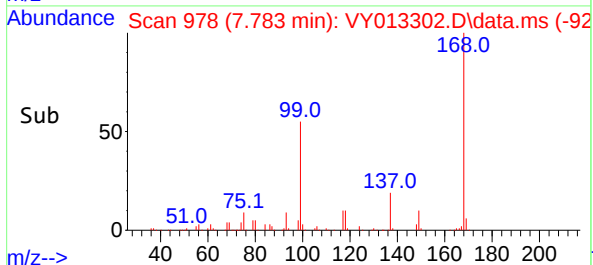
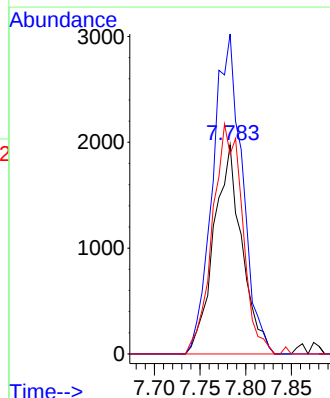
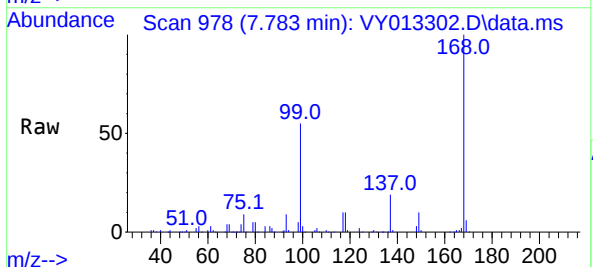
Ion	Ratio	Lower	Upper
84	100		
49	90.7	102.6	154.0#
51	39.9	31.9	47.9
86	53.8	51.0	76.6

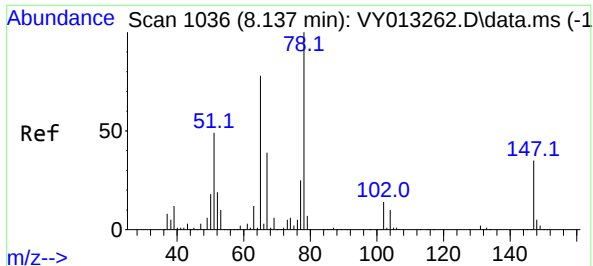


#31
Cyclohexane
Concen: 1.413 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

Tgt Ion: 56 Resp: 4232

Ion	Ratio	Lower	Upper
56	100		
69	153.0	25.7	38.5#
84	95.6	64.3	96.5





#33

1,2-Dichloroethane-d4

Concen: 62.103 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY013302.D

Acq: 13 Apr 2023 17:39

Instrument :

MSVOA_Y

ClientSampleId :

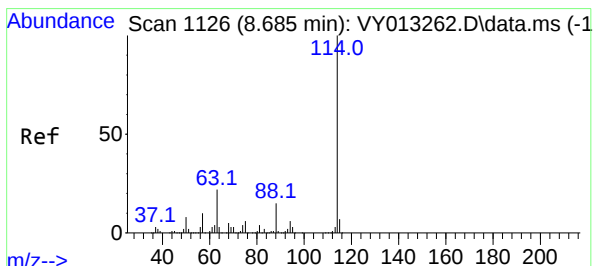
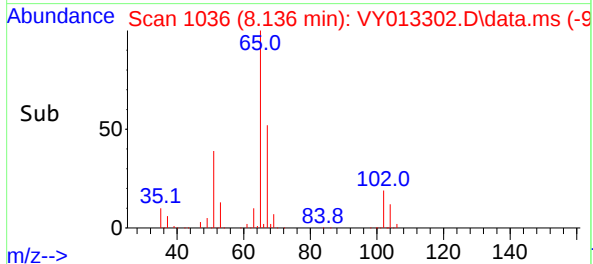
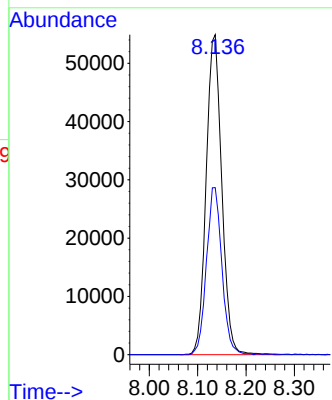
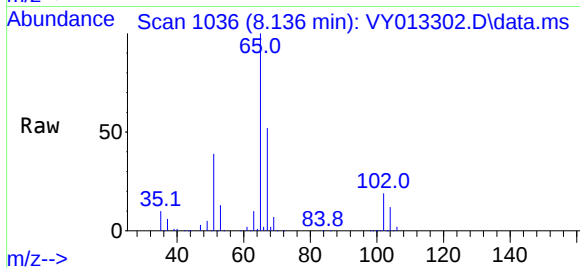
OU3-FC-BACKFILL-10

Tgt Ion: 65 Resp: 122980

Ion Ratio Lower Upper

65 100

67 51.7 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: VY013302.D

Acq: 13 Apr 2023 17:39

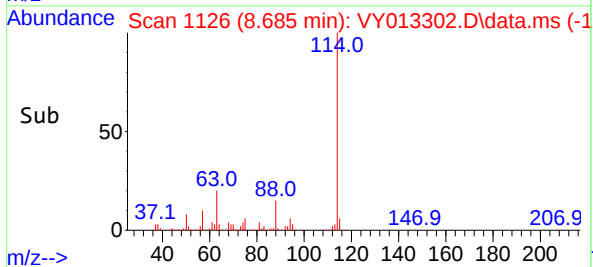
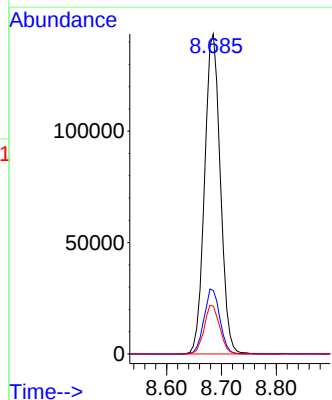
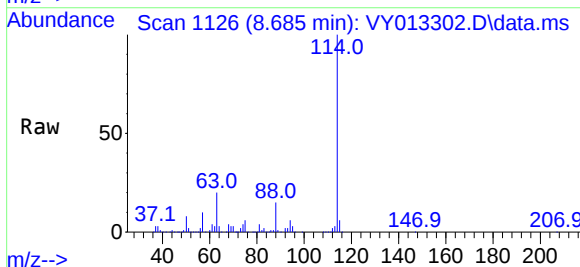
Tgt Ion: 114 Resp: 285928

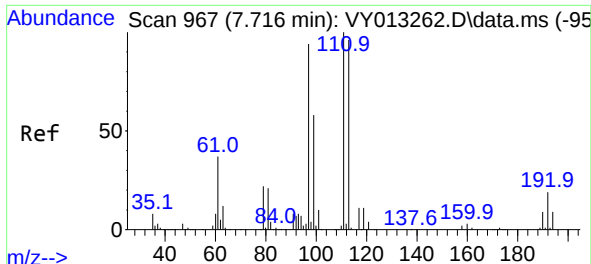
Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 15.0 0.0 28.6

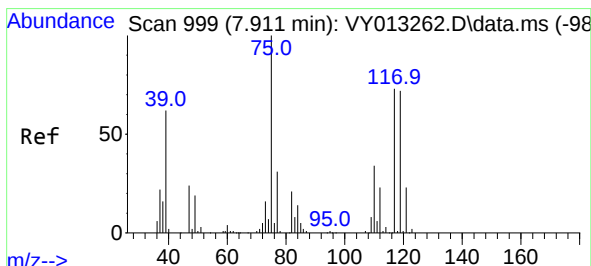
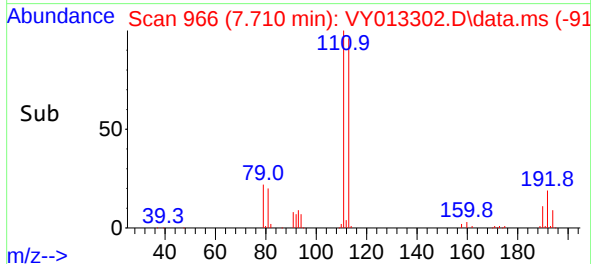
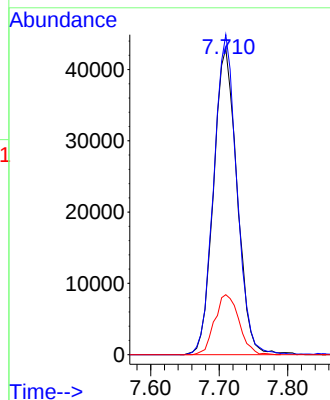
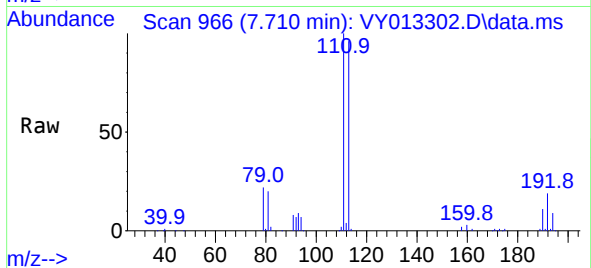




#35
Dibromofluoromethane
Concen: 55.177 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

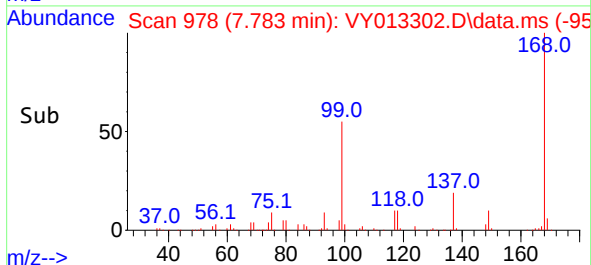
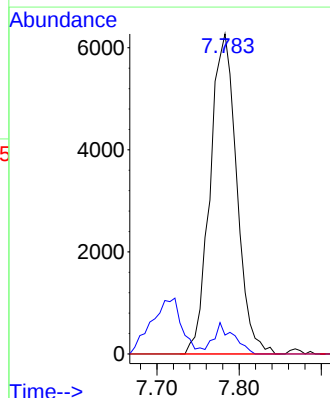
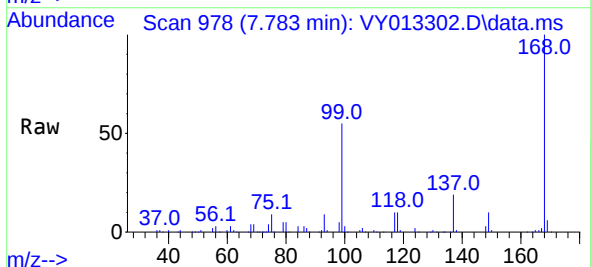
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-10

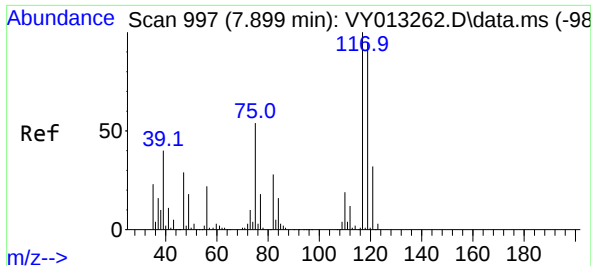
Tgt Ion:113 Resp: 102136
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 20.3 16.8 25.2



#36
1,1-Dichloropropene
Concen: 5.027 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

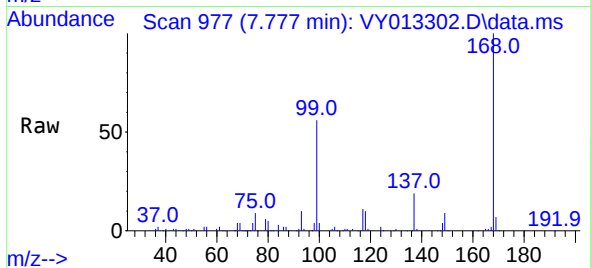
Tgt Ion: 75 Resp: 14097
Ion Ratio Lower Upper
75 100
110 7.2 17.8 53.3#
77 0.0 25.0 37.4#



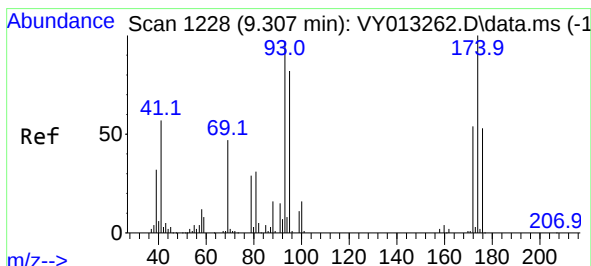
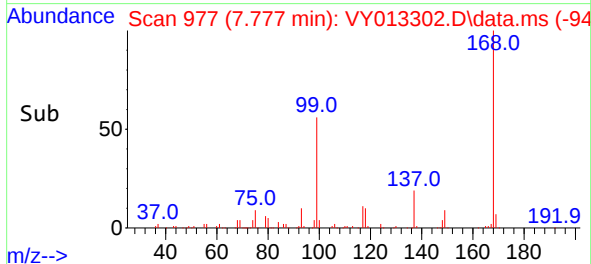
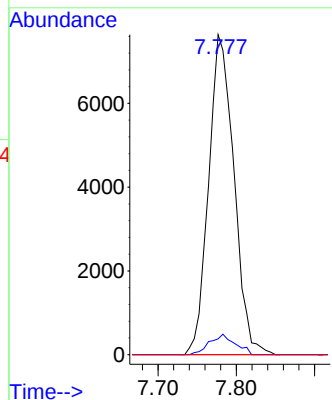


#38
Carbon Tetrachloride
Concen: 5.535 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-10

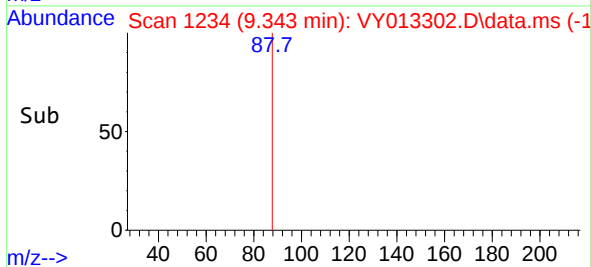
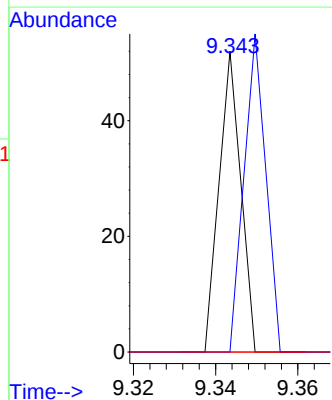
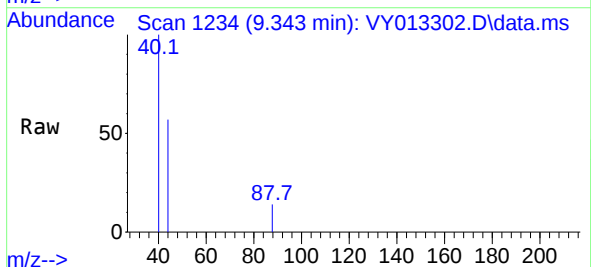


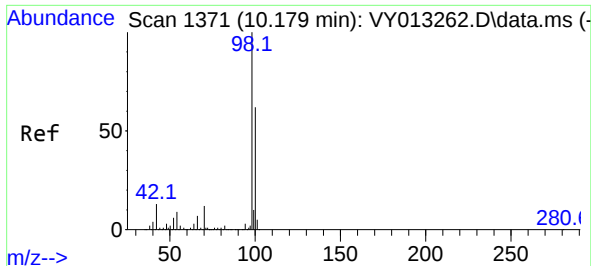
Tgt Ion: 117 Resp: 17163
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 24.7 37.1#



#49
1,4-Dioxane
Concen: 1.106 ug/l
RT: 9.343 min Scan# 1234
Delta R.T. 0.036 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 105.3 28.6 42.8#
58 0.0 55.2 82.8#

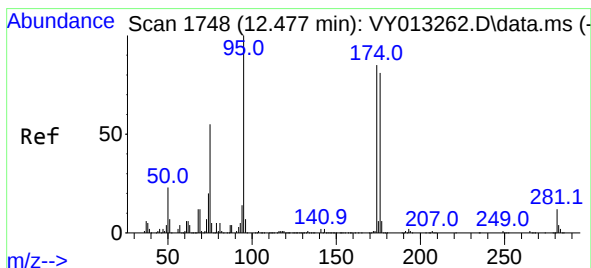
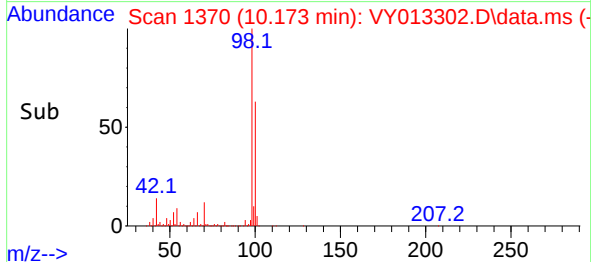
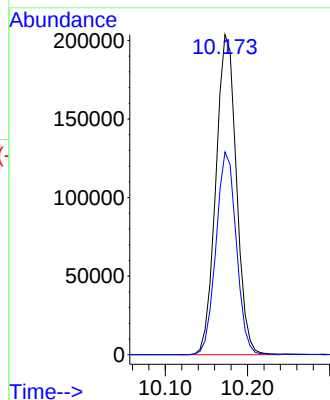
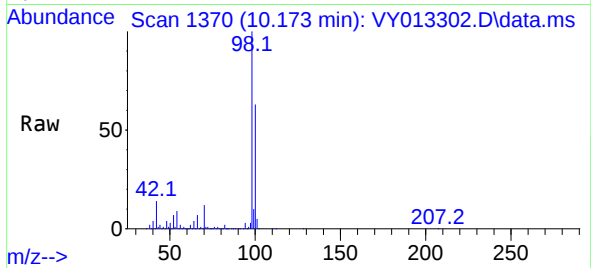




#50
Toluene-d8
Concen: 51.296 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

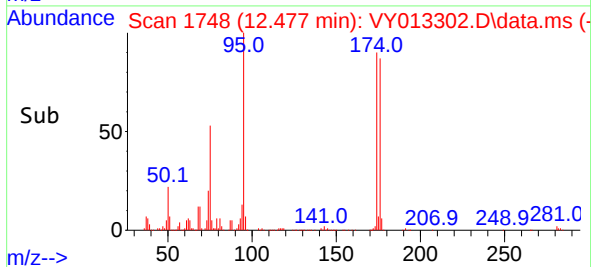
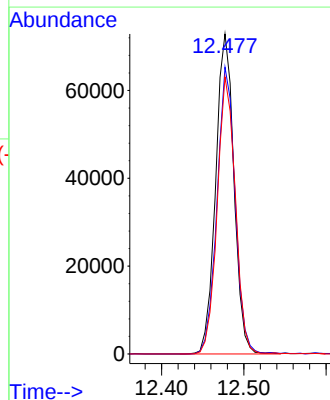
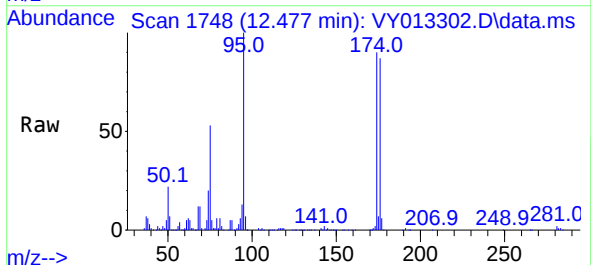
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-10

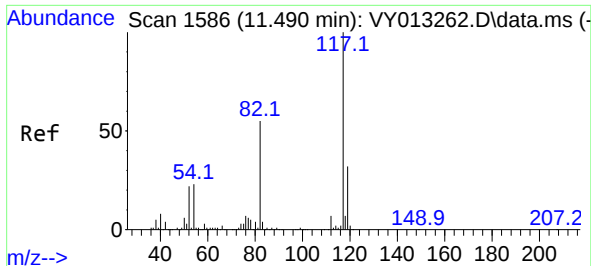
Tgt Ion: 98 Resp: 353430
Ion Ratio Lower Upper
98 100
100 62.7 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 50.259 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

Tgt Ion: 95 Resp: 112513
Ion Ratio Lower Upper
95 100
174 89.2 0.0 176.6
176 85.8 0.0 170.2

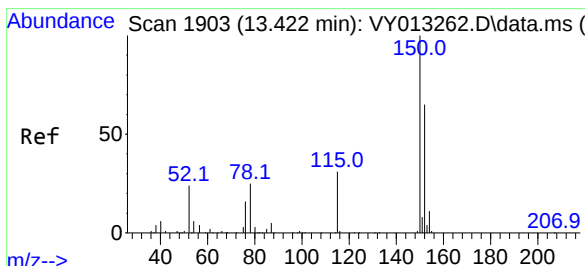
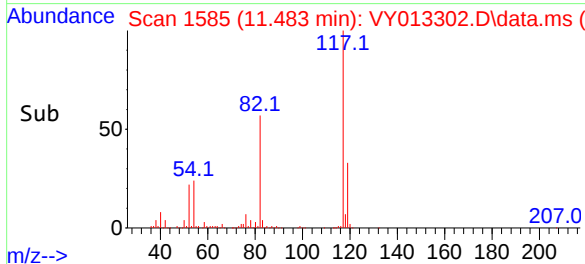
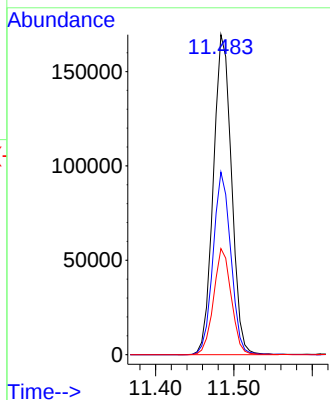
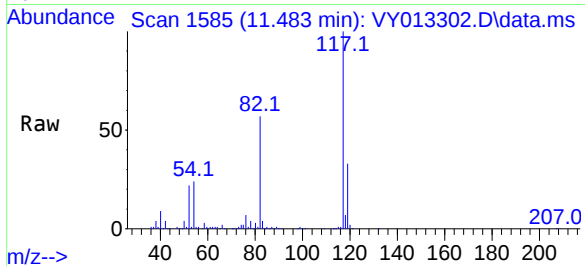




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

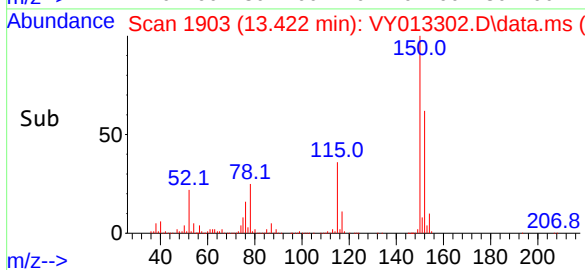
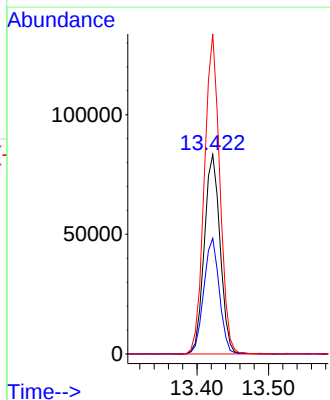
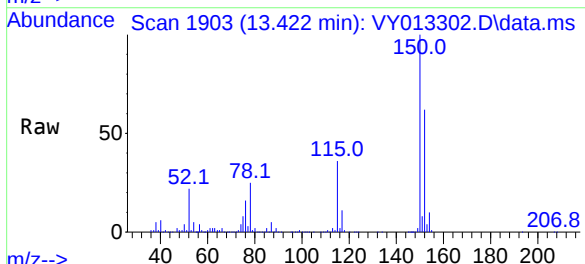
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-10

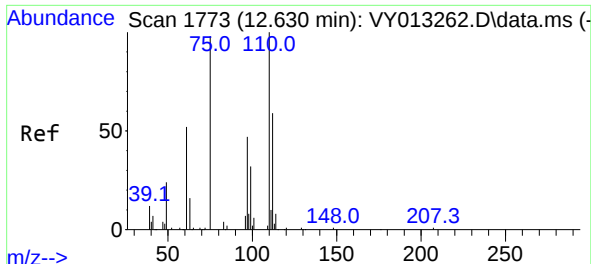
Tgt Ion:117 Resp: 273321
Ion Ratio Lower Upper
117 100
82 57.0 45.4 68.0
119 33.1 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

Tgt Ion:152 Resp: 128193
Ion Ratio Lower Upper
152 100
115 57.1 27.1 81.3
150 156.6 0.0 347.8

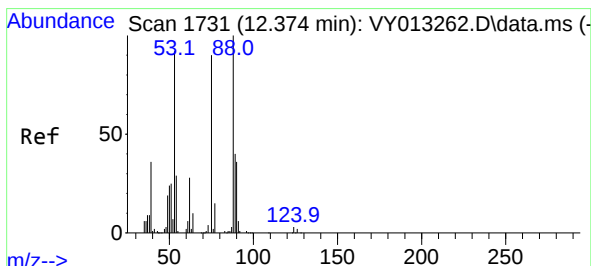
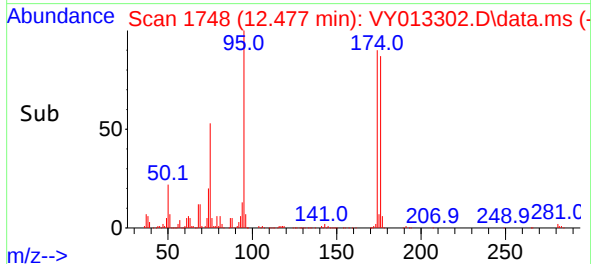
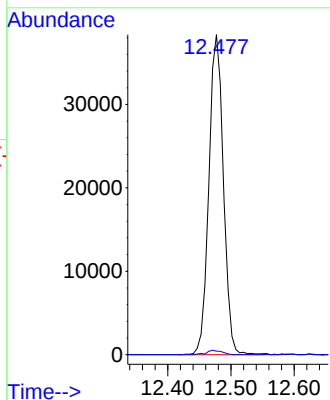
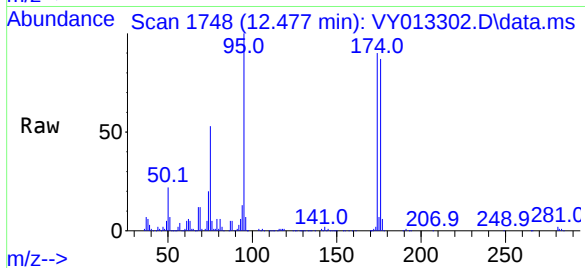




#76
1,2,3-Trichloropropane
Concen: 38.342 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

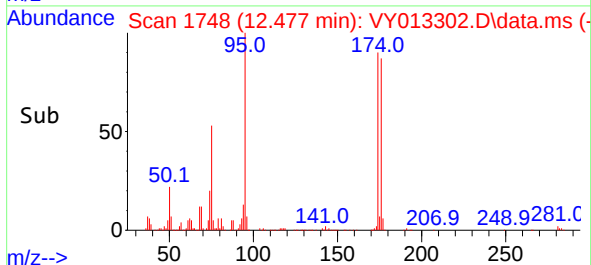
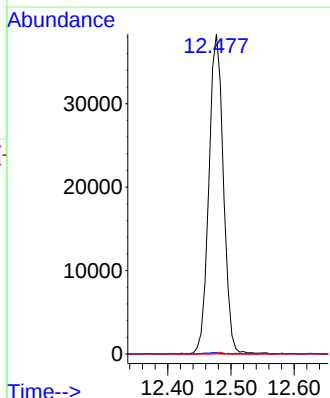
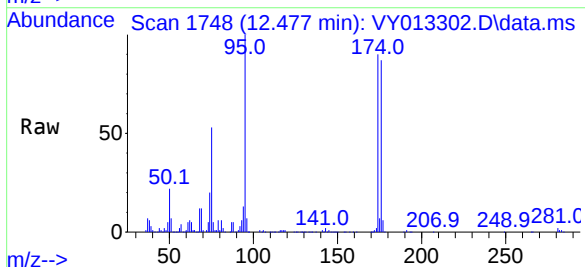
Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-10

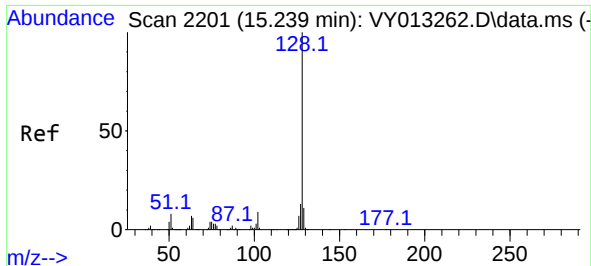
Tgt Ion: 75 Resp: 61246
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.577 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

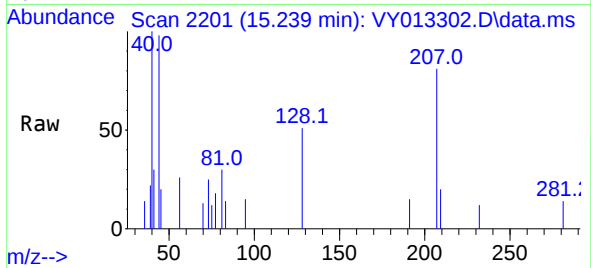
Tgt Ion: 75 Resp: 61246
Ion Ratio Lower Upper
75 100
53 0.4 73.4 110.0#
89 0.3 36.6 55.0#





#95
Naphthalene
Concen: 3.260 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013302.D
Acq: 13 Apr 2023 17:39

Instrument :
MSVOA_Y
ClientSampleId :
OU3-FC-BACKFILL-10



Tgt Ion:	128	Resp:	334
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.6	13.0#

