

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040423\
 Data File : VY013193.D
 Acq On : 04 Apr 2023 16:41
 Operator : KP/MD
 Sample : 02170-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-033123

Quant Time: Apr 05 01:20:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 03 13:40:57 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	5172	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	8091	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5909	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2708	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3737	67.233	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 134.460%	
35) Dibromofluoromethane	7.716	113	3198	60.504	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.000%	
50) Toluene-d8	10.179	98	8970	44.954	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 89.900%	
62) 4-Bromofluorobenzene	12.483	95	2475	38.106	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 76.220%	

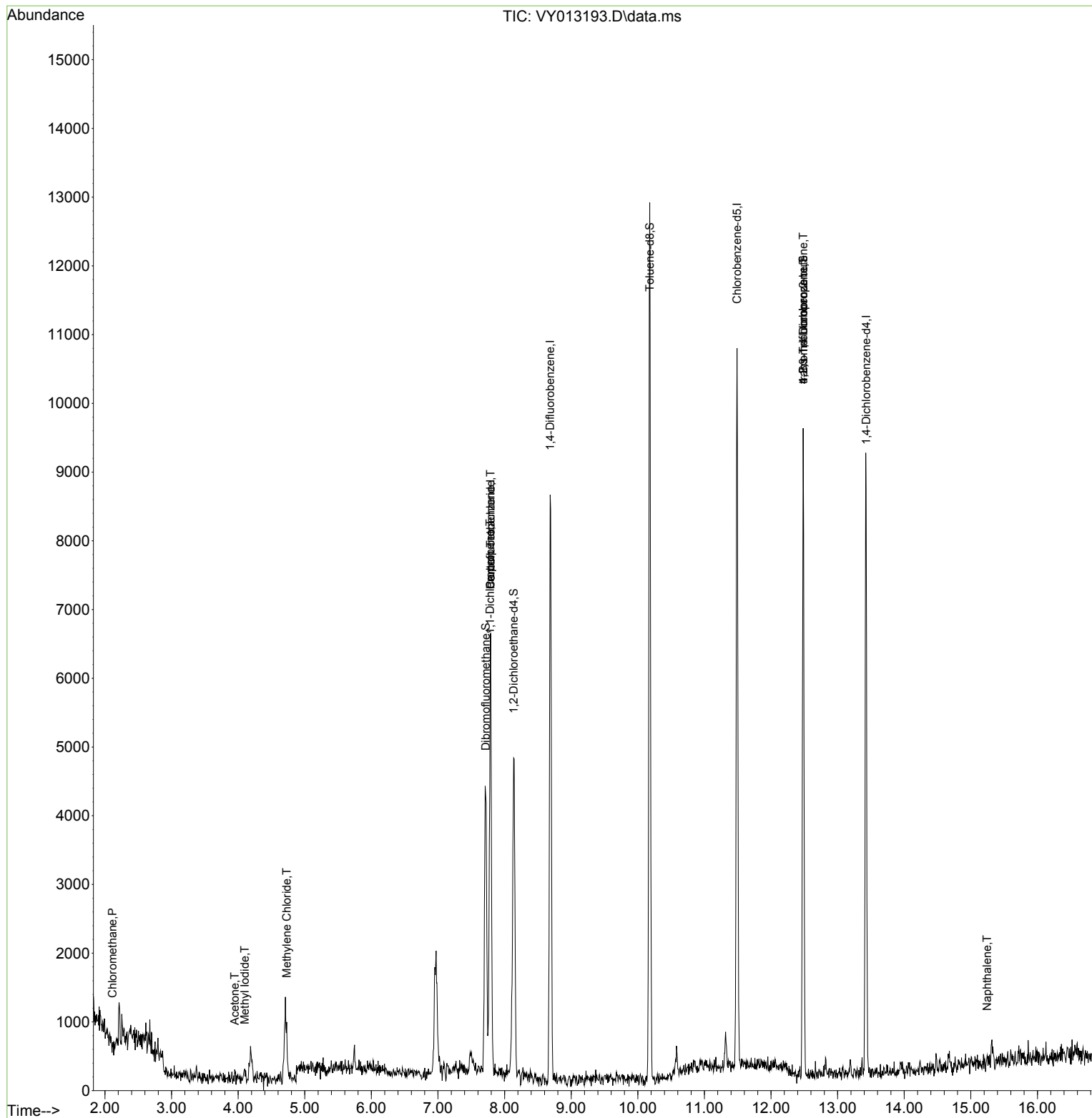
Target Compounds			Qvalue			
3) Chloromethane	2.113	50	86	1.627	ug/l #	42
10) Methyl Iodide	4.101	142	147	2.170	ug/l #	40
16) Acetone	3.948	43	156	9.178	ug/l #	44
20) Methylene Chloride	4.728	84	827	9.774	ug/l #	62
36) 1,1-Dichloropropene	7.783	75	372	4.675	ug/l #	41
38) Carbon Tetrachloride	7.789	117	457	5.205	ug/l #	12
76) 1,2,3-Trichloropropane	12.483	75	1339	44.015	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1339	98.159	ug/l #	13
95) Naphthalene	15.245	128	89	4.052	ug/l #	69

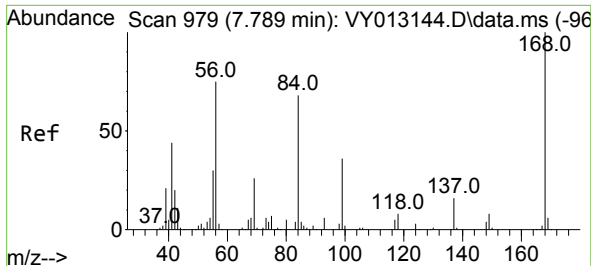
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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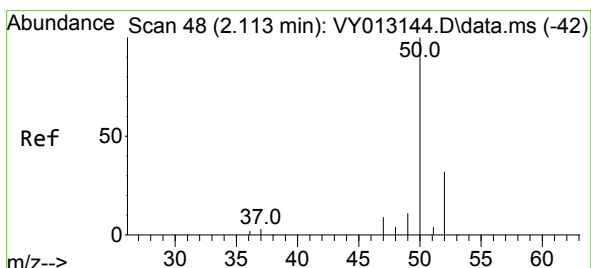
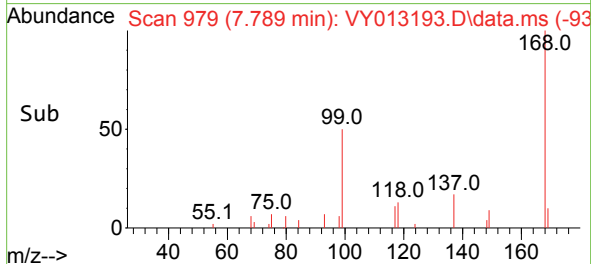
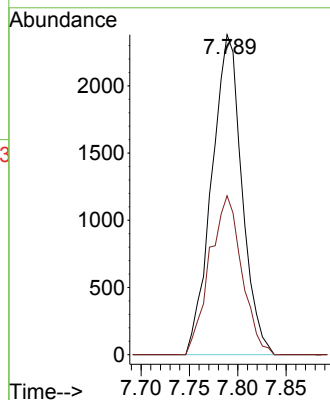
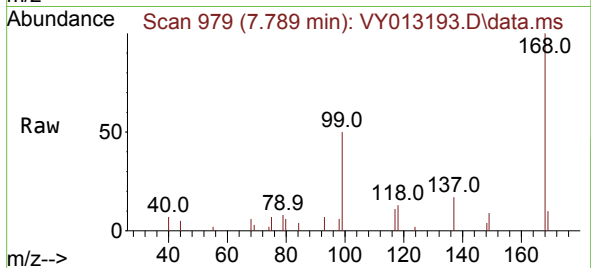




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

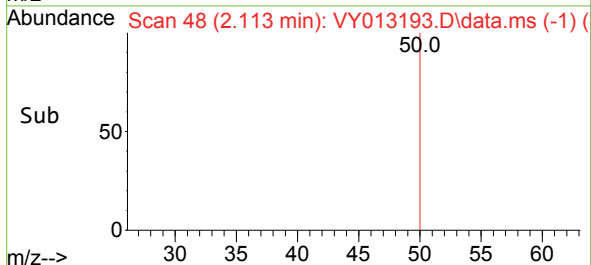
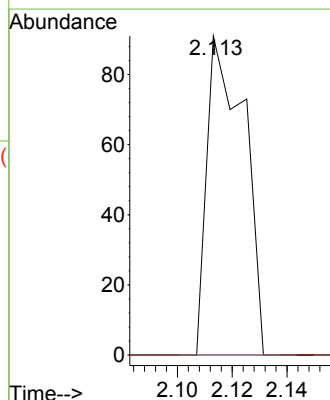
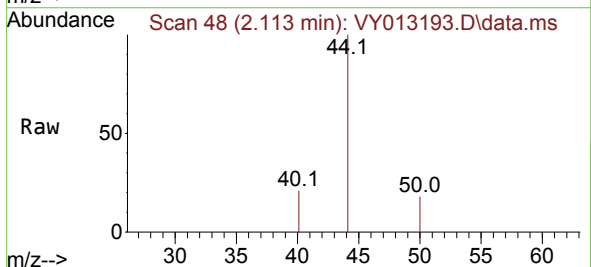
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-033123

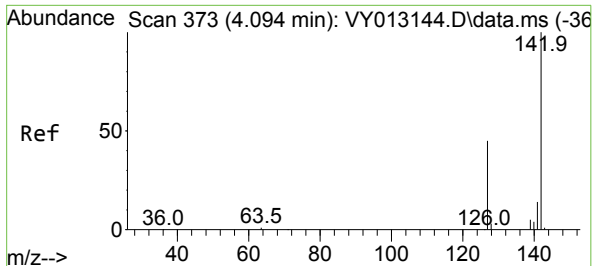
Tgt Ion:168 Resp: 5172
Ion Ratio Lower Upper
168 100
99 49.7 41.7 62.5



#3
Chloromethane
Concen: 1.627 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

Tgt Ion: 50 Resp: 86
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

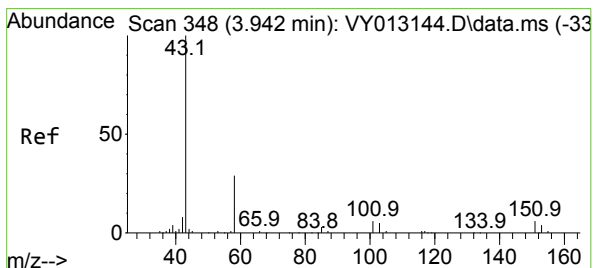
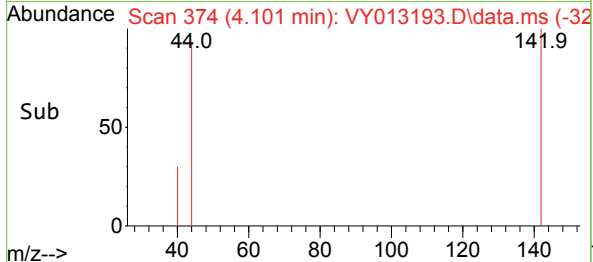
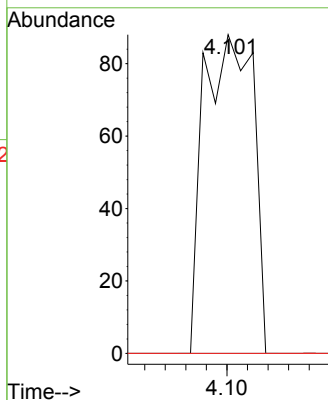
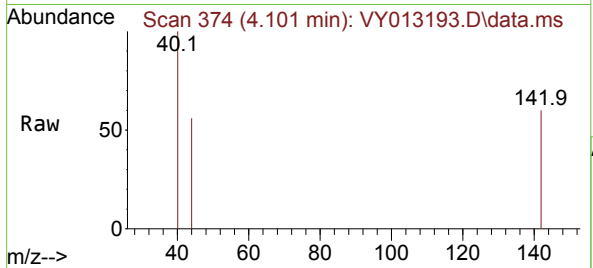




#10
Methyl Iodide
Concen: 2.170 ug/l
RT: 4.101 min Scan# 31
Delta R.T. 0.007 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

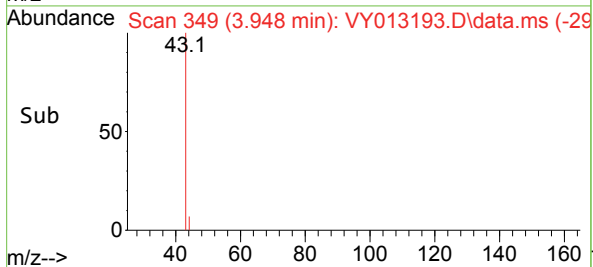
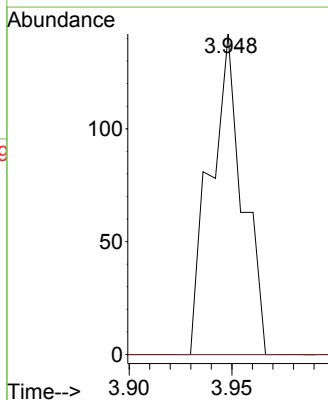
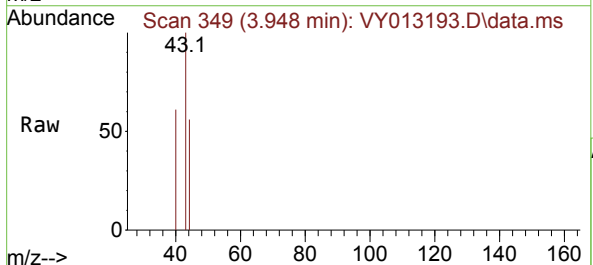
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-033123

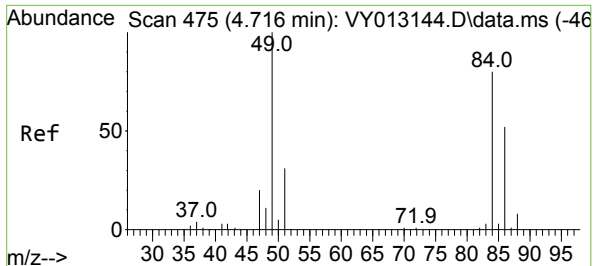
Tgt Ion:142 Resp: 147
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.3 16.9#



#16
Acetone
Concen: 9.178 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

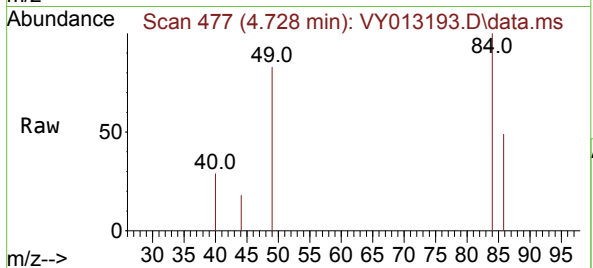
Tgt Ion: 43 Resp: 156
Ion Ratio Lower Upper
43 100
58 0.0 24.2 36.2#





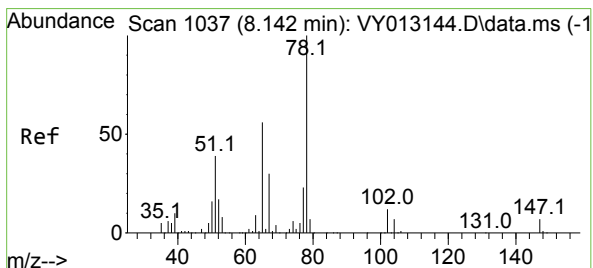
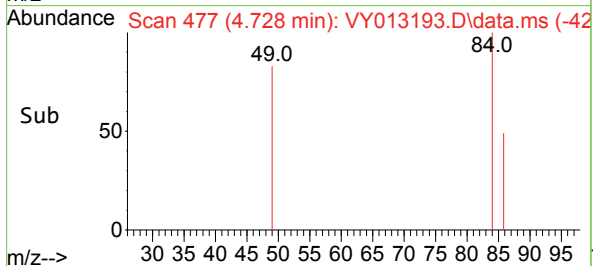
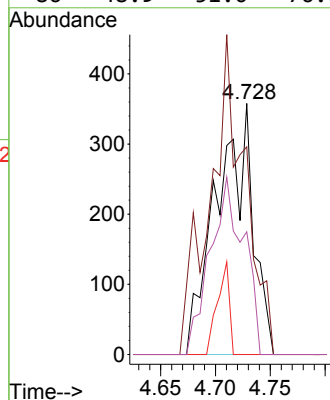
#20
Methylene Chloride
Concen: 9.774 ug/l
RT: 4.728 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-033123



Tgt Ion: 84 Resp: 827

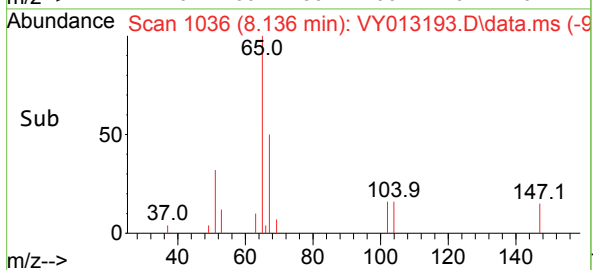
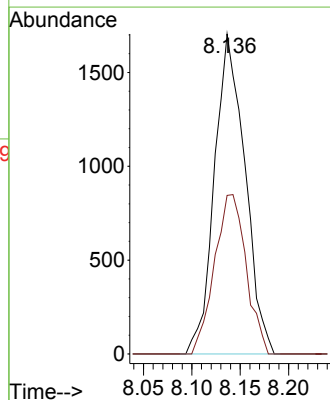
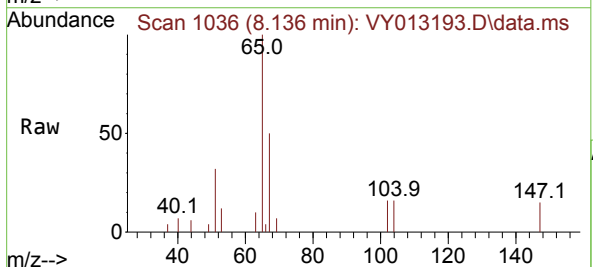
Ion	Ratio	Lower	Upper
84	100		
49	82.7	102.6	154.0#
51	0.0	31.9	47.9#
86	48.9	51.0	76.6#

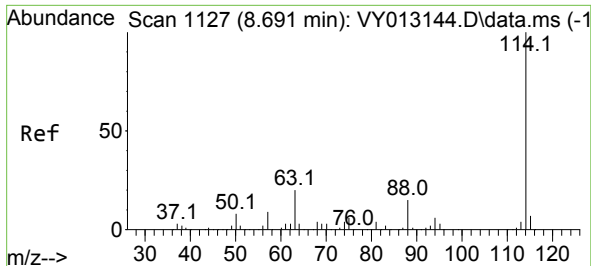


#33
1,2-Dichloroethane-d4
Concen: 67.233 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

Tgt Ion: 65 Resp: 3737

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013193.D

Acq: 04 Apr 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

EO-3-033123

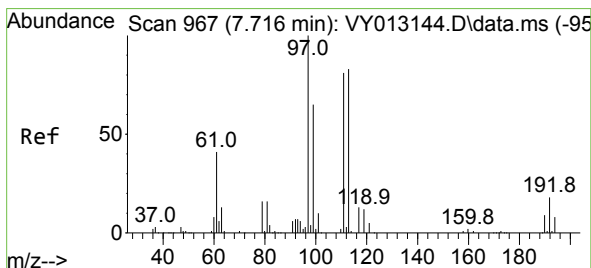
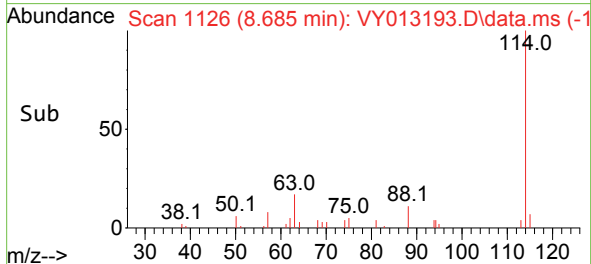
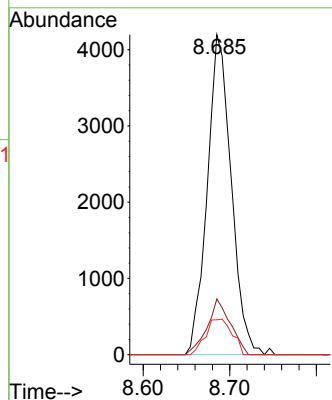
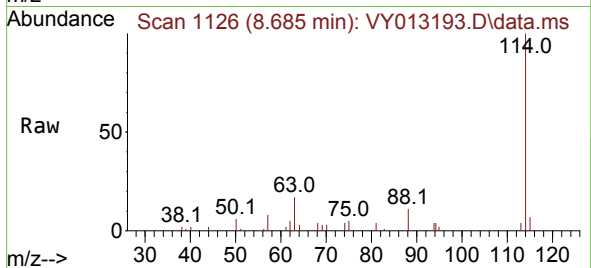
Tgt Ion:114 Resp: 8091

Ion Ratio Lower Upper

114 100

63 17.4 0.0 37.4

88 10.9 0.0 28.6



#35

Dibromofluoromethane

Concen: 60.504 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013193.D

Acq: 04 Apr 2023 16:41

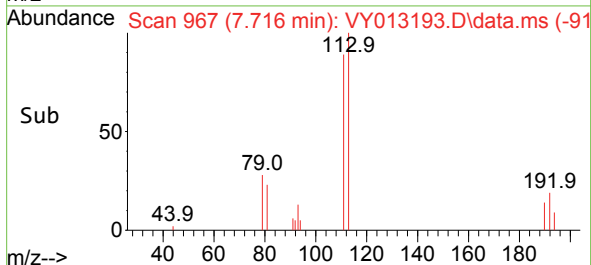
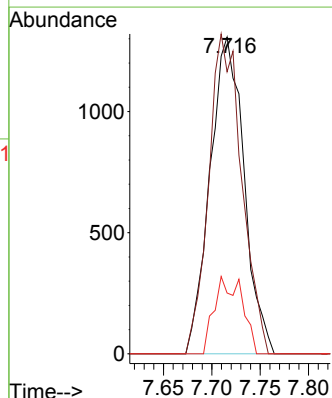
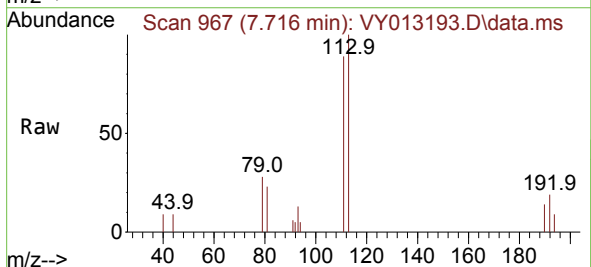
Tgt Ion:113 Resp: 3198

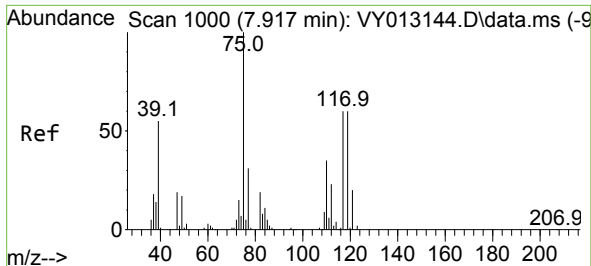
Ion Ratio Lower Upper

113 100

111 98.0 82.2 123.2

192 19.8 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.675 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013193.D

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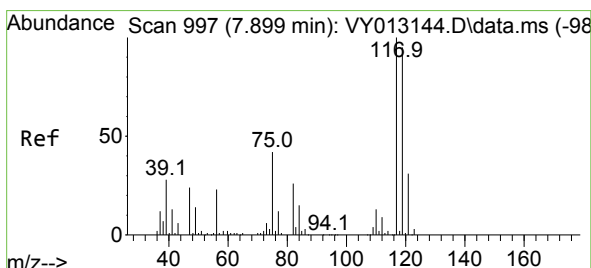
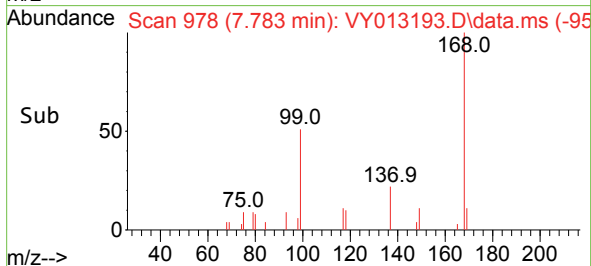
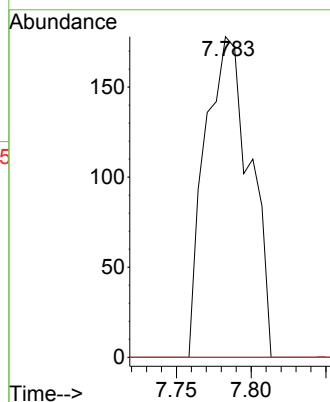
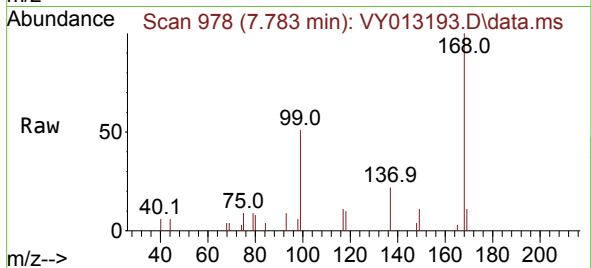
Tgt Ion: 75 Resp: 372

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.205 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013193.D

Acq: 04 Apr 2023 16:41

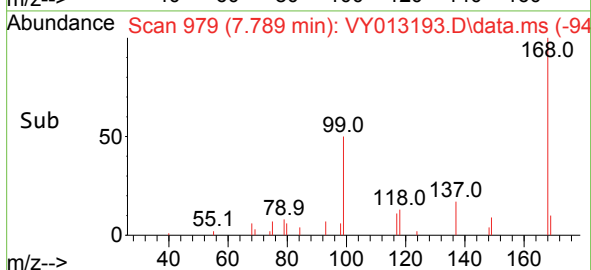
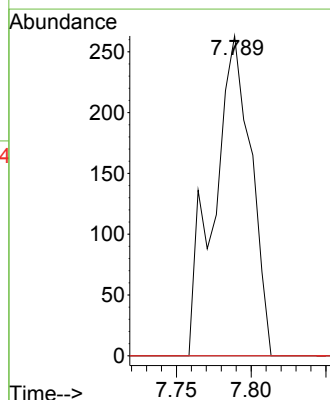
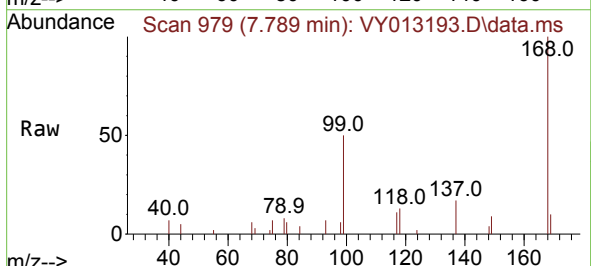
Tgt Ion: 117 Resp: 457

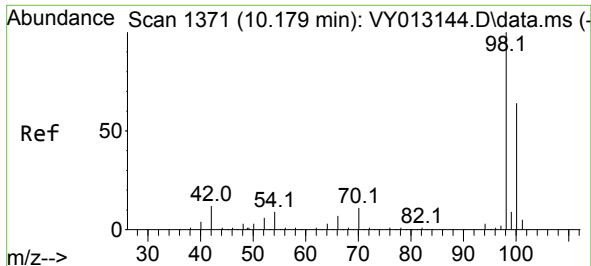
Ion Ratio Lower Upper

117 100

119 0.0 77.2 115.8#

121 0.0 24.7 37.1#

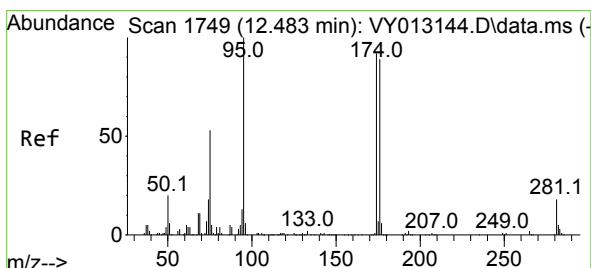
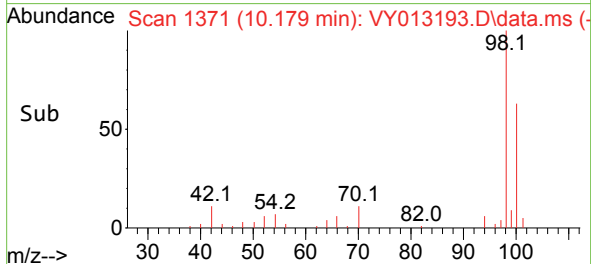
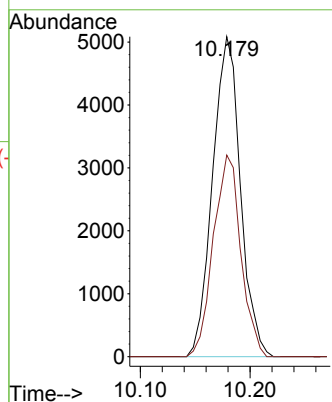
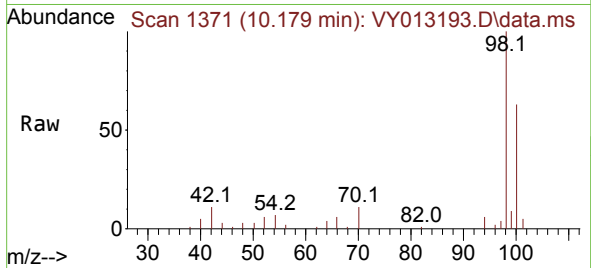




#50
Toluene-d8
Concen: 44.954 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

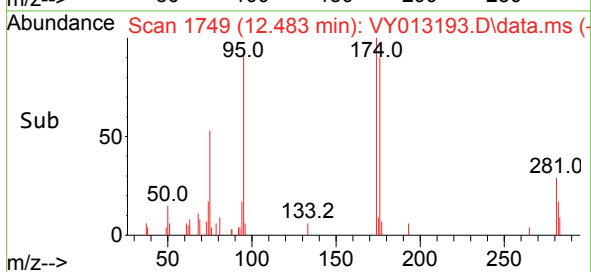
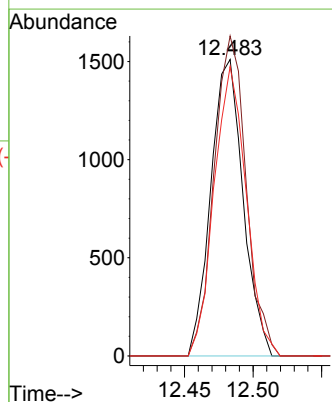
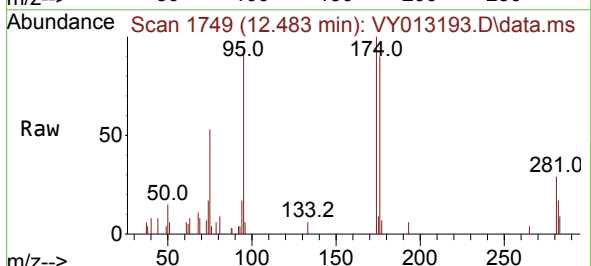
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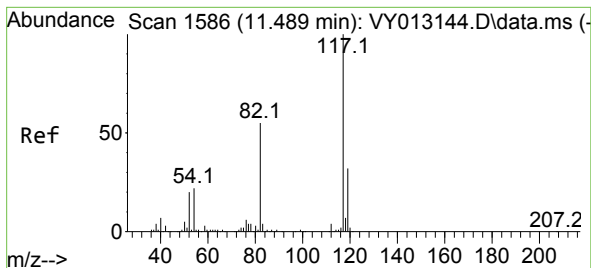
Tgt Ion: 98 Resp: 8970
Ion Ratio Lower Upper
98 100
100 62.2 50.9 76.3



#62
4-Bromofluorobenzene
Concen: 38.106 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

Tgt Ion: 95 Resp: 2475
Ion Ratio Lower Upper
95 100
174 107.0 0.0 176.6
176 96.8 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY013193.D

Acq: 04 Apr 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

EO-3-033123

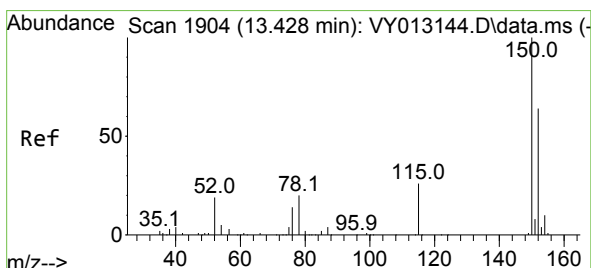
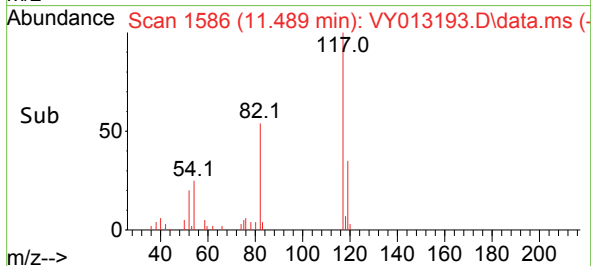
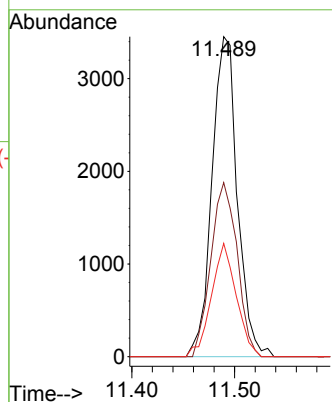
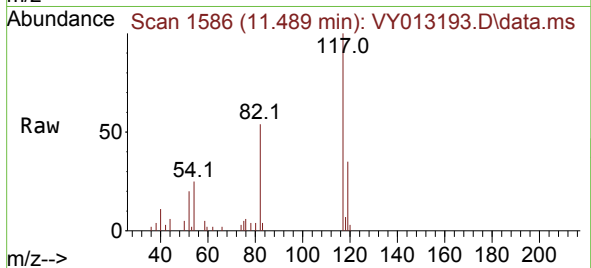
Tgt Ion:117 Resp: 5909

Ion Ratio Lower Upper

117 100

82 54.4 45.4 68.0

119 35.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY013193.D

Acq: 04 Apr 2023 16:41

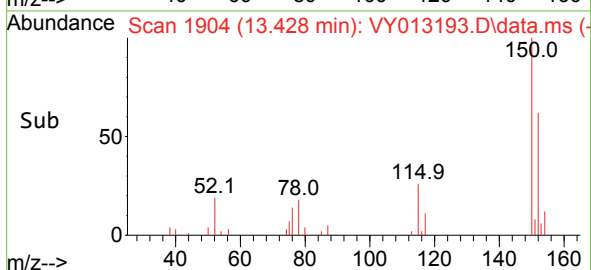
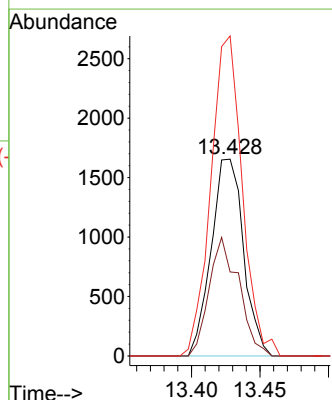
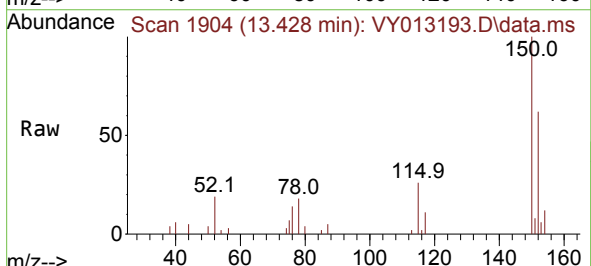
Tgt Ion:152 Resp: 2708

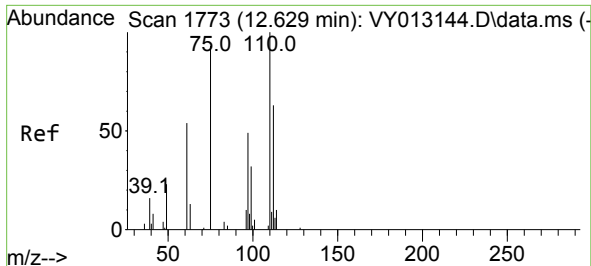
Ion Ratio Lower Upper

152 100

115 55.7 27.1 81.3

150 158.7 0.0 347.8

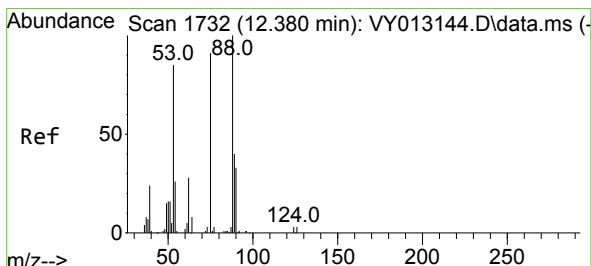
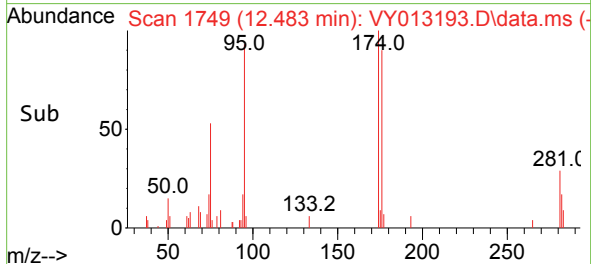
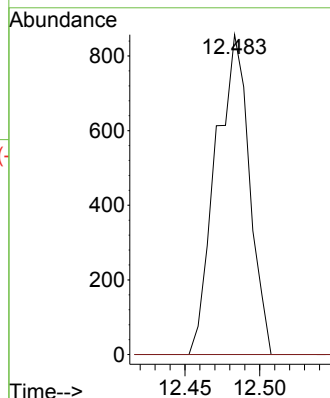
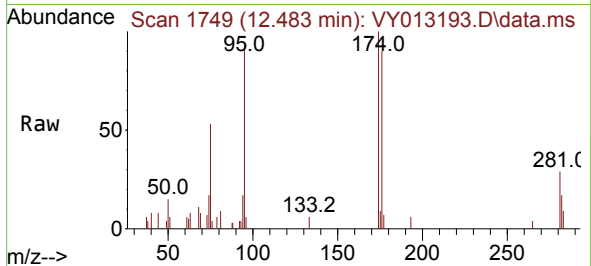




#76
1,2,3-Trichloropropane
Concen: 44.015 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

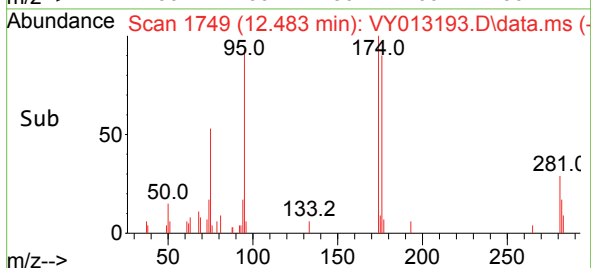
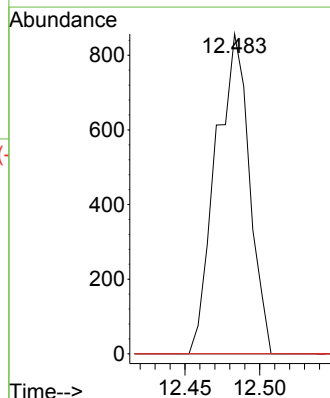
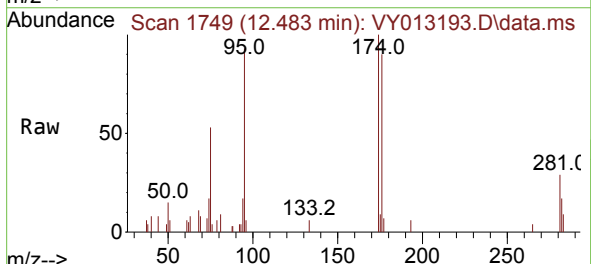
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-033123

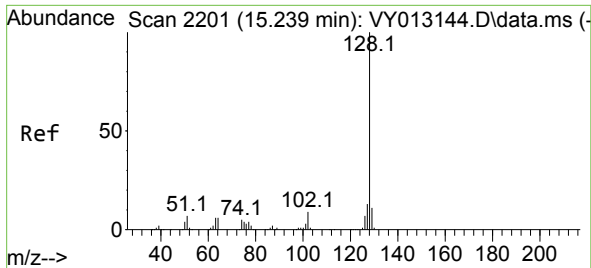
Tgt Ion: 75 Resp: 1339
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 98.159 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY013193.D
Acq: 04 Apr 2023 16:41

Tgt Ion: 75 Resp: 1339
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#





#95

Naphthalene

Concen: 4.052 ug/l

RT: 15.245 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY013193.D

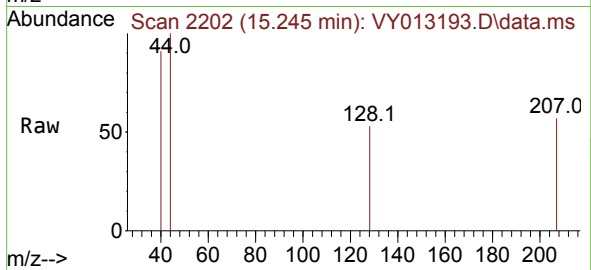
Acq: 04 Apr 2023 16:41

Instrument :

MSVOA_Y

ClientSampleId :

EO-3-033123



Tgt Ion:128 Resp: 89

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#

