

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012227.D
 Acq On : 17 Jan 2023 16:50
 Operator : KP/MD
 Sample : 01167-01RE
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-011623

Quant Time: Jan 18 00:33:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

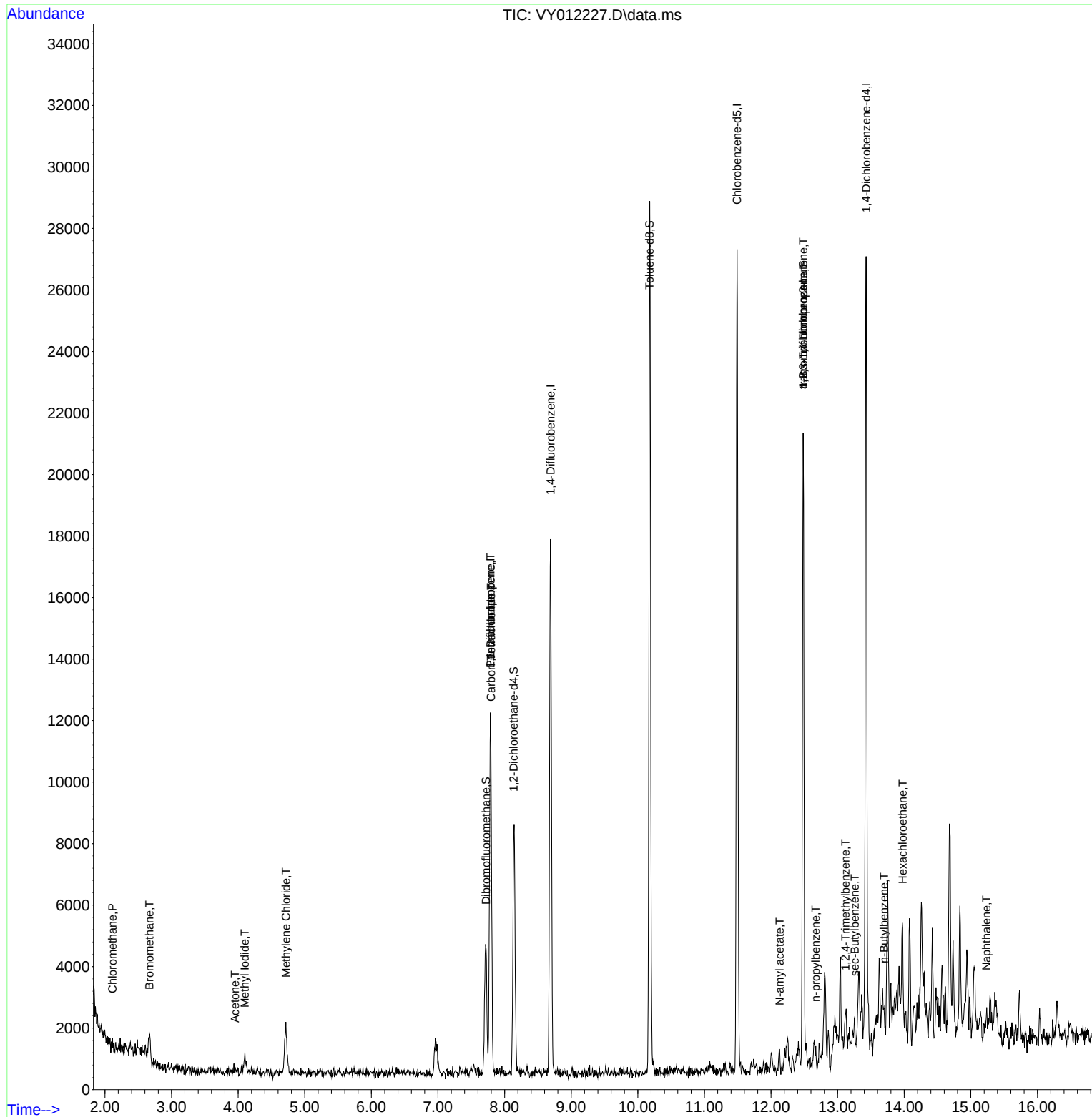
Internal Standards						
1) Pentafluorobenzene	7.789	168	9979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	16355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	16383	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	7046	88.188	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 176.380%#			
35) Dibromofluoromethane	7.722	113	3193	36.871	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 73.740%			
50) Toluene-d8	10.179	98	20144	68.760	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 137.520%			
62) 4-Bromofluorobenzene	12.483	95	6456	52.884	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.760%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	189	2.348	ug/l #	41
5) Bromomethane	2.668	94	346	4.763	ug/l #	78
10) Methyl Iodide	4.101	142	882	6.502	ug/l #	95
16) Acetone	3.954	43	123	4.427	ug/l #	40
20) Methylene Chloride	4.716	84	1207	2.892	ug/l #	86
36) 1,1-Dichloropropene	7.789	75	690	4.688	ug/l #	41
38) Carbon Tetrachloride	7.795	117	782	4.114	ug/l #	14
74) N-amyl acetate	12.130	43	201	1.976	ug/l #	54
76) 1,2,3-Trichloropropane	12.483	75	3169	47.899	ug/l #	100
78) n-propylbenzene	12.672	91	629	1.036	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.483	75	3169	98.692	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.117	105	927	2.084	ug/l	95
85) sec-Butylbenzene	13.258	105	595	1.063	ug/l #	77
89) n-Butylbenzene	13.696	91	932	2.199	ug/l #	61
90) Hexachloroethane	13.977	117	181	2.050	ug/l #	9
95) Naphthalene	15.233	128	781	2.787	ug/l #	82

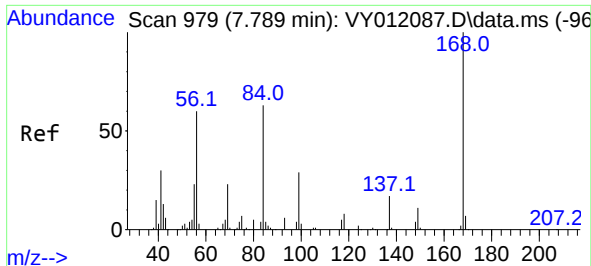
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 18 00:33:37 2023
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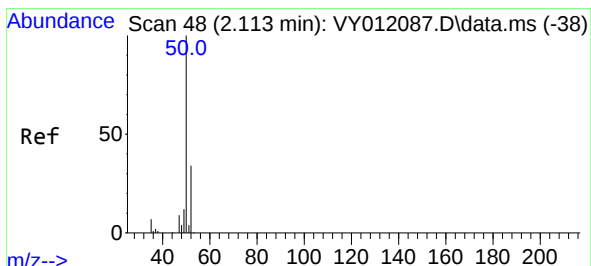
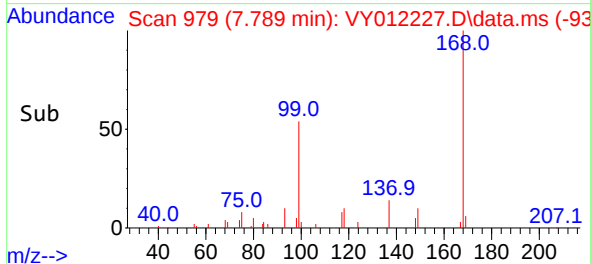
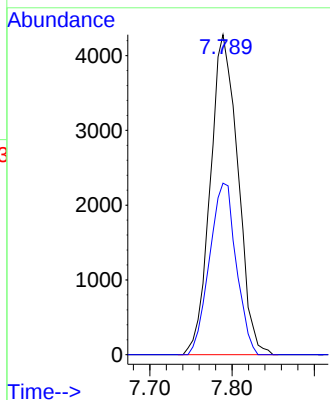
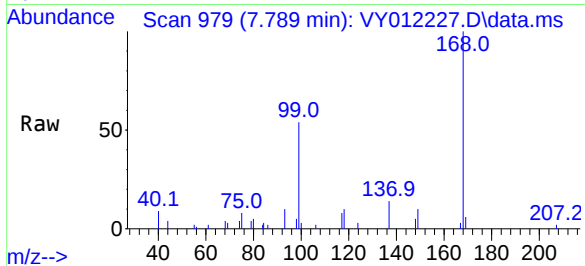




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

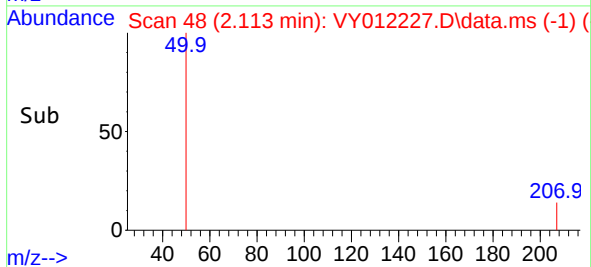
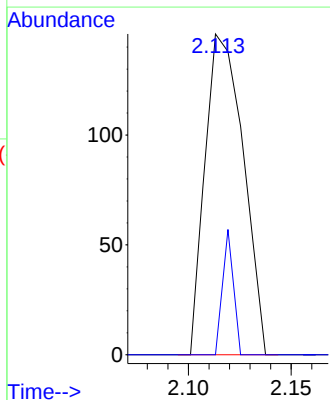
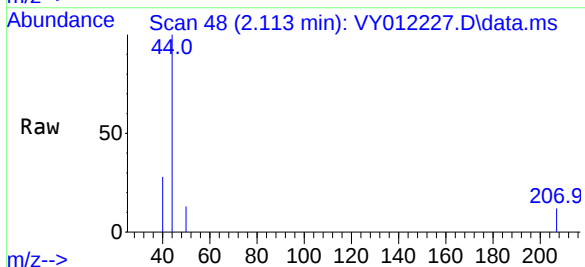
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

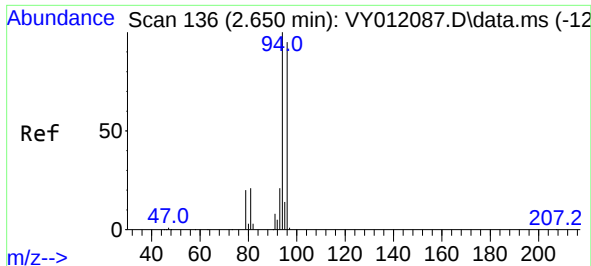
Tgt Ion:168 Resp: 9979
Ion Ratio Lower Upper
168 100
99 53.6 44.0 66.0



#3
Chloromethane
Concen: 2.348 ug/l
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion: 50 Resp: 189
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

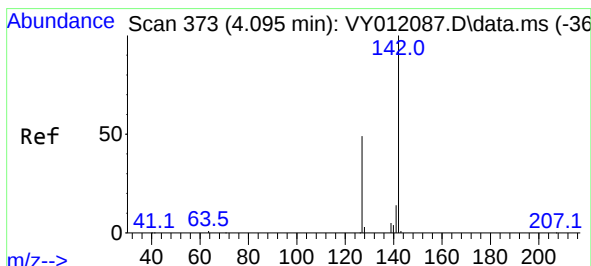
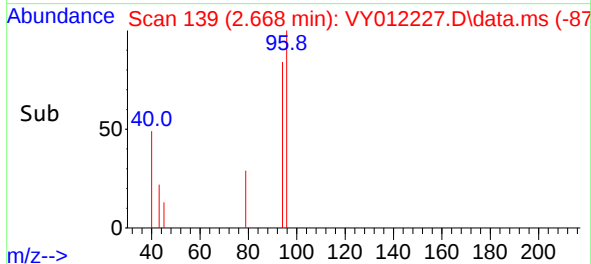
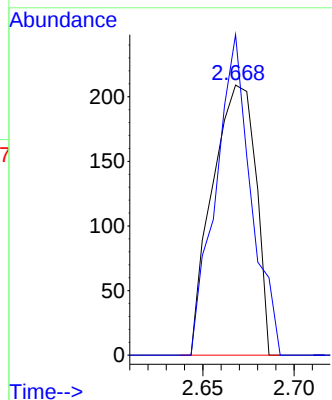
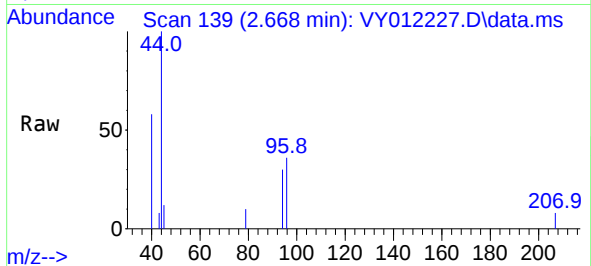




#5
Bromomethane
Concen: 4.763 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

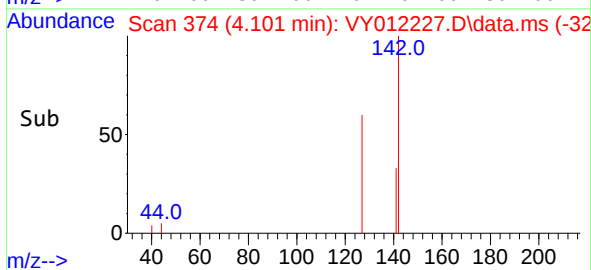
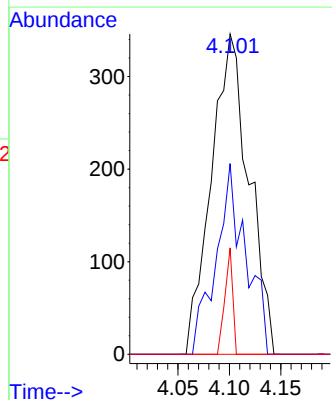
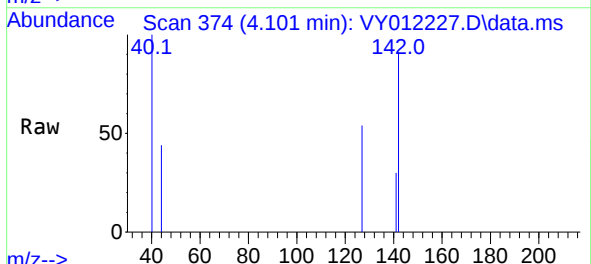
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

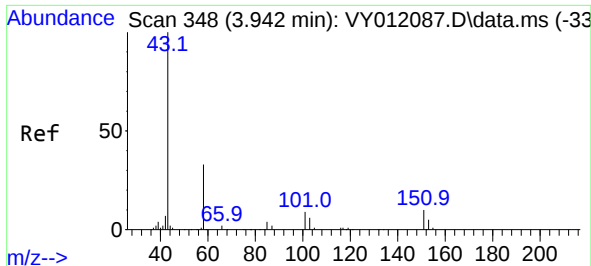
Tgt Ion: 94 Resp: 346
Ion Ratio Lower Upper
94 100
96 118.7 77.4 116.2#



#10
Methyl Iodide
Concen: 6.502 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion: 142 Resp: 882
Ion Ratio Lower Upper
142 100
127 47.2 37.0 55.4
141 6.8 11.4 17.0#

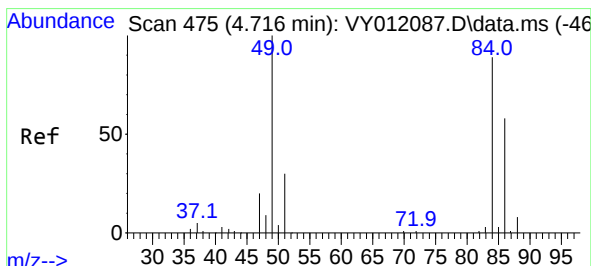
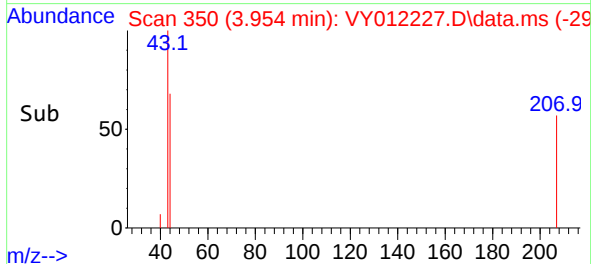
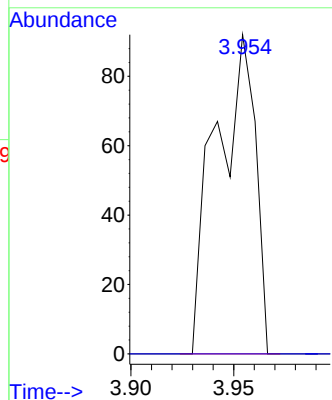
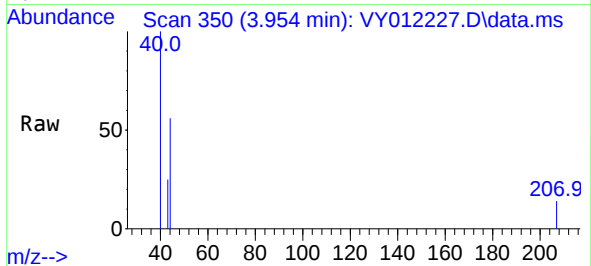




#16
Acetone
Concen: 4.427 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

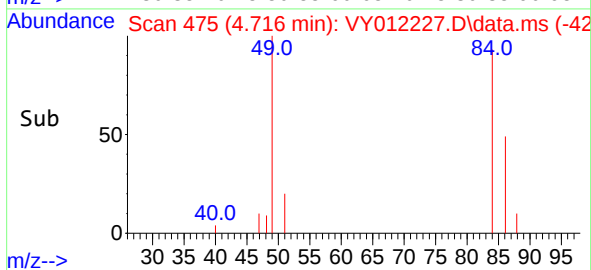
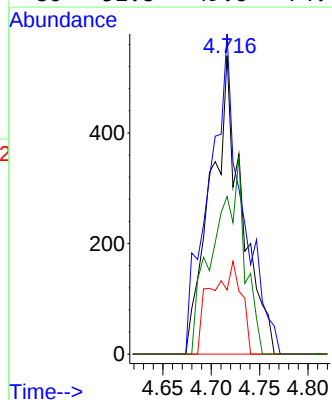
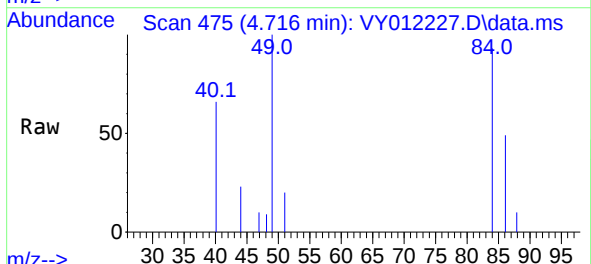
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

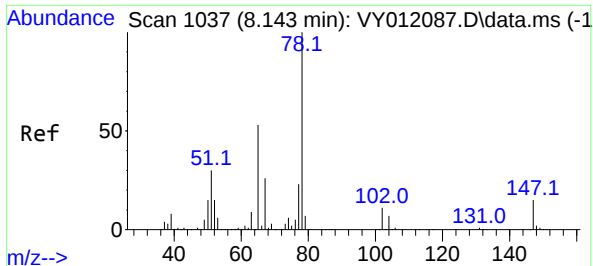
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: 2.892 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion: 84 Resp: 1207
Ion Ratio Lower Upper
84 100
49 107.2 95.4 143.2
51 21.5 29.9 44.9#
86 52.8 49.6 74.4





#33

1,2-Dichloroethane-d4

Concen: 88.188 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VY012227.D

Acq: 17 Jan 2023 16:50

Instrument :

MSVOA_Y

ClientSampleId :

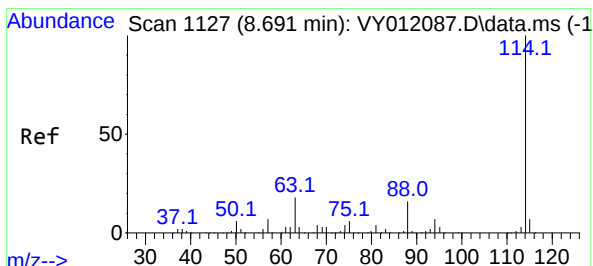
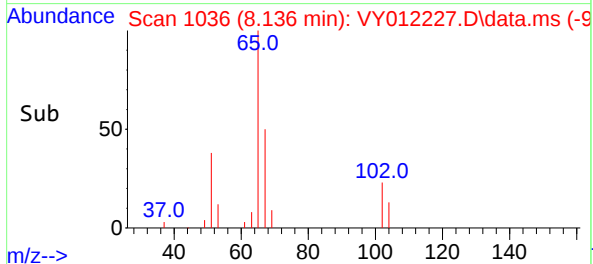
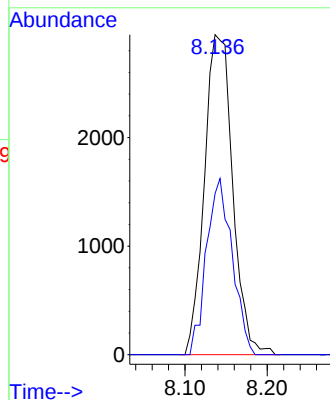
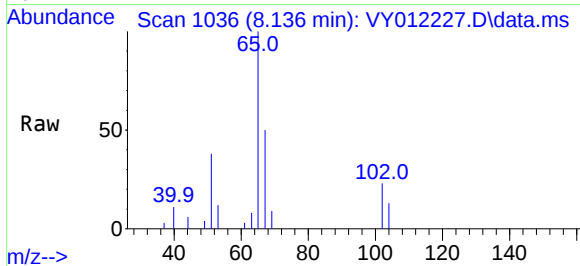
EO-3-011623

Tgt Ion: 65 Resp: 7046

Ion Ratio Lower Upper

65 100

67 50.0 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012227.D

Acq: 17 Jan 2023 16:50

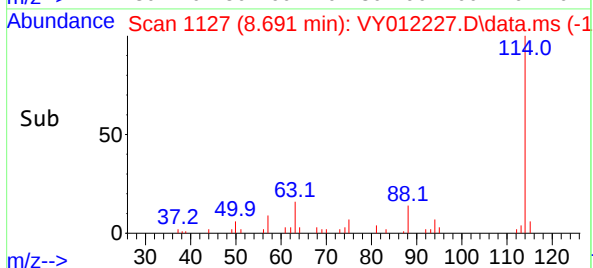
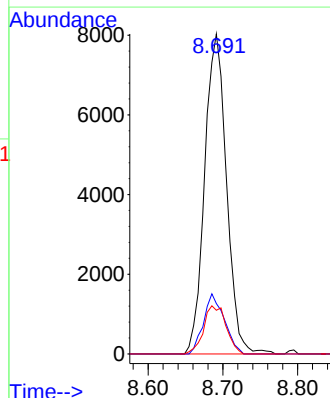
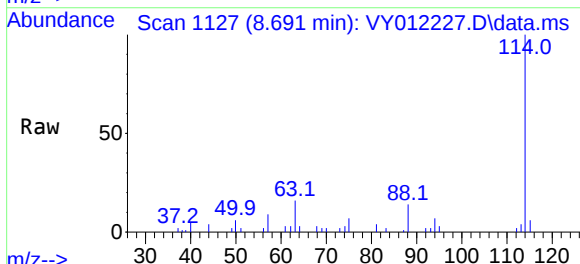
Tgt Ion: 114 Resp: 16355

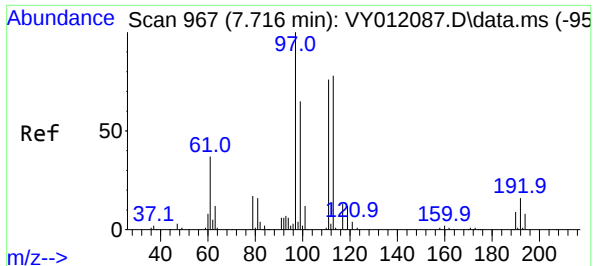
Ion Ratio Lower Upper

114 100

63 15.7 0.0 39.6

88 13.6 0.0 32.2

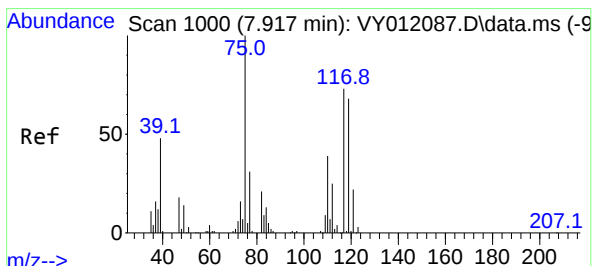
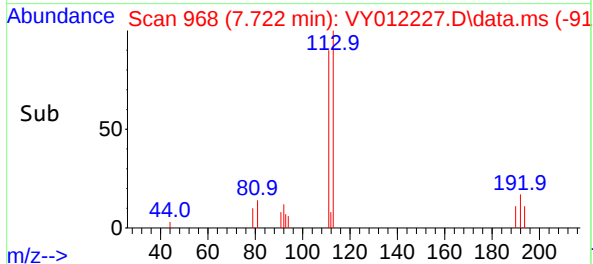
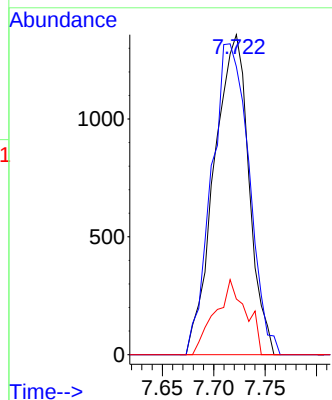
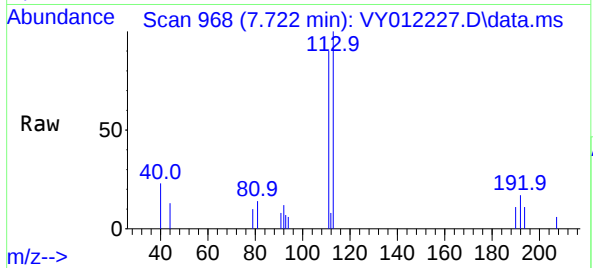




#35
Dibromofluoromethane
Concen: 36.871 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

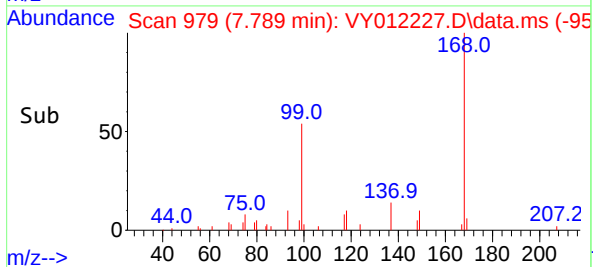
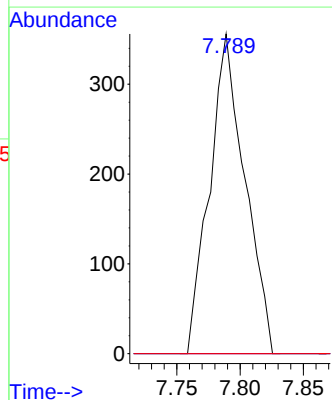
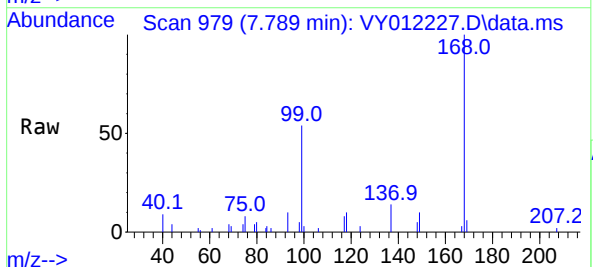
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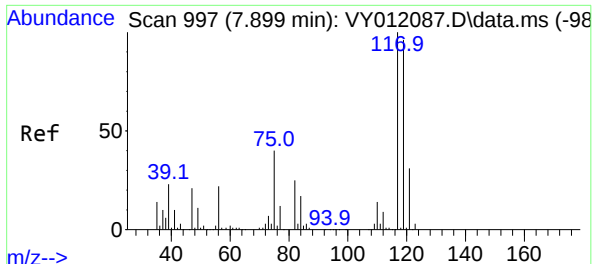
Tgt Ion:113 Resp: 3193
Ion Ratio Lower Upper
113 100
111 104.6 83.0 124.4
192 20.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.688 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion: 75 Resp: 690
Ion Ratio Lower Upper
75 100
110 0.0 18.1 54.1#
77 0.0 25.1 37.7#

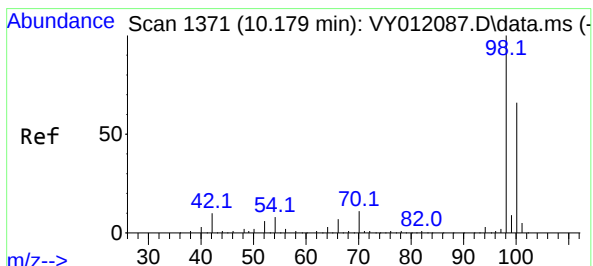
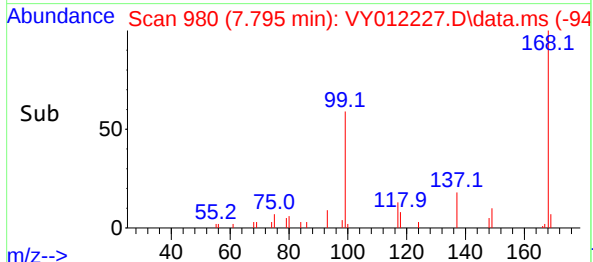
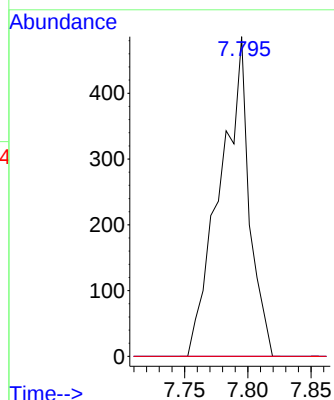
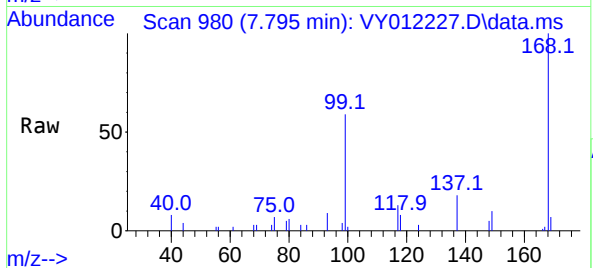




#38
Carbon Tetrachloride
Concen: 4.114 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

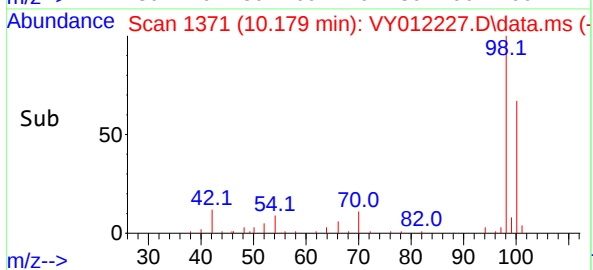
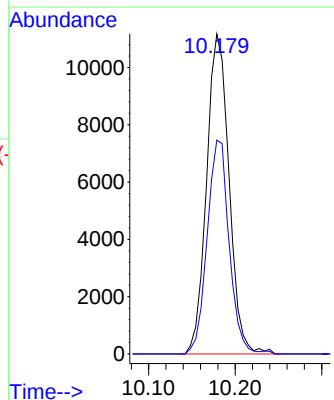
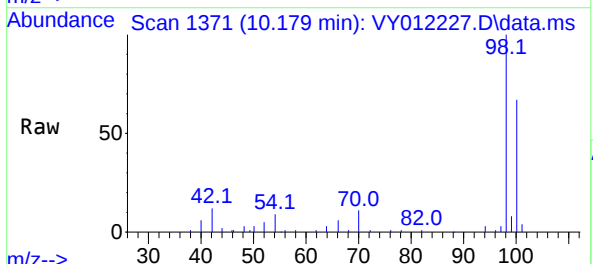
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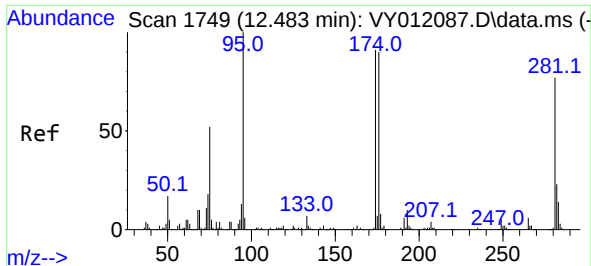
Tgt Ion:117 Resp: 782
Ion Ratio Lower Upper
117 100
119 0.0 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 68.760 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion: 98 Resp: 20144
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

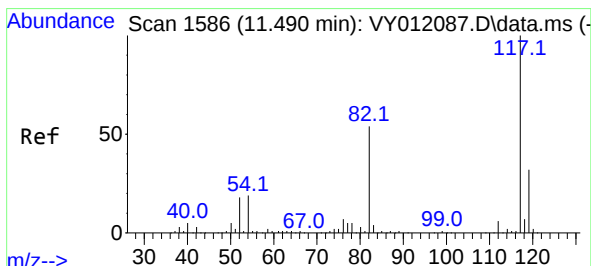
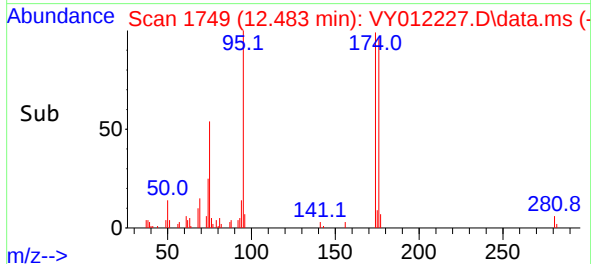
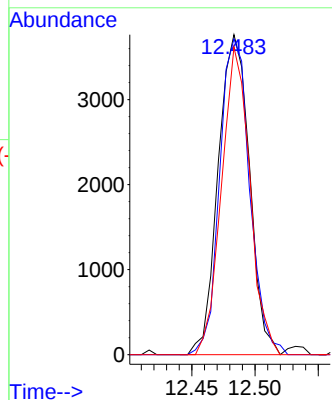
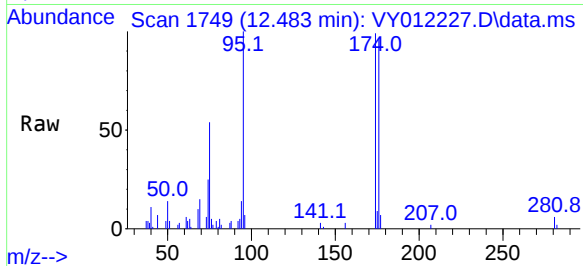




#62
4-Bromofluorobenzene
Concen: 52.884 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

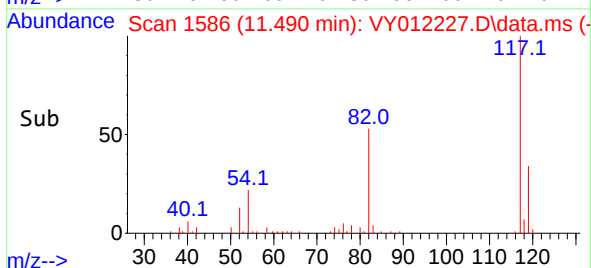
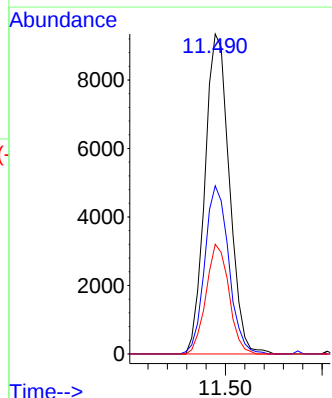
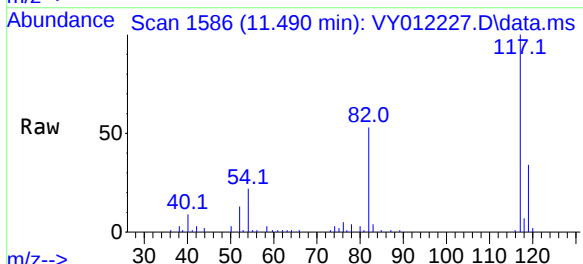
Instrument :
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ClientSampleId :
EO-3-011623

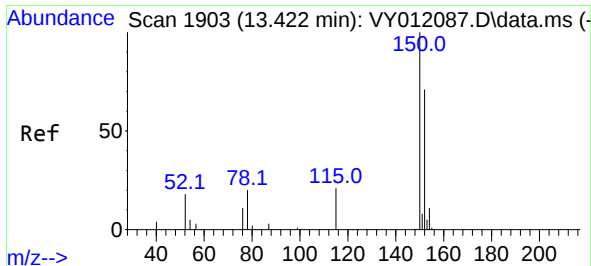
Tgt Ion:	95	Resp:	6456
Ion	Ratio	Lower	Upper
95	100		
174	94.9	0.0	172.0
176	87.2	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion:	117	Resp:	16383
Ion	Ratio	Lower	Upper
117	100		
82	52.5	44.8	67.2
119	34.3	25.4	38.2

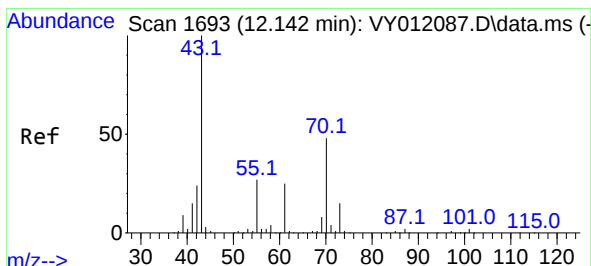
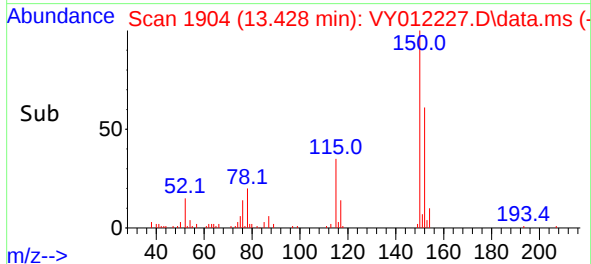
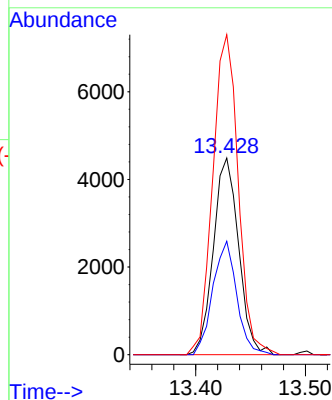
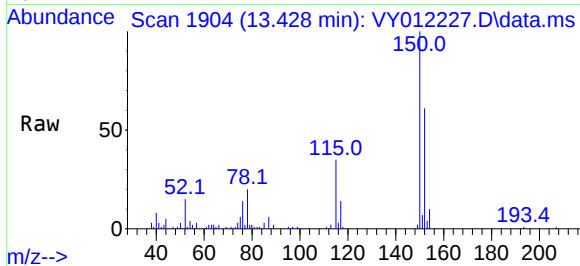




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

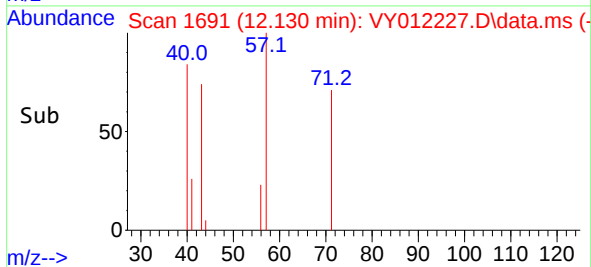
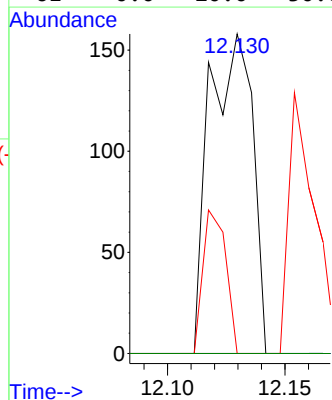
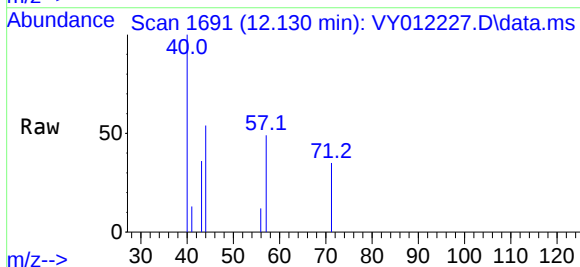
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

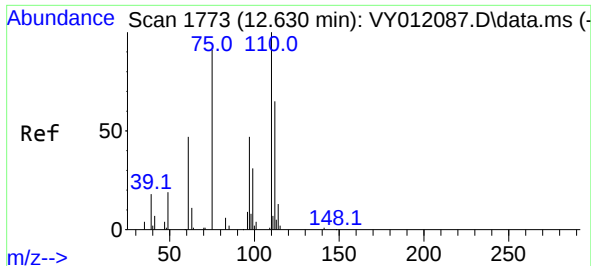
Tgt Ion:152 Resp: 7195
Ion Ratio Lower Upper
152 100
115 54.7 29.1 87.3
150 163.5 0.0 342.6



#74
N-ethyl acetate
Concen: 1.976 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.012 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
70 0.0 35.8 53.8#
55 23.9 21.0 31.4
61 0.0 20.0 30.0#

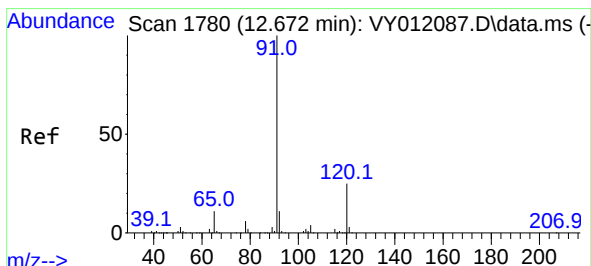
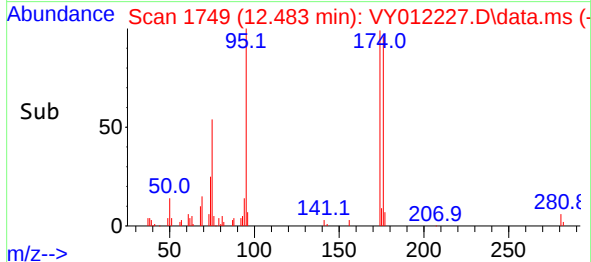
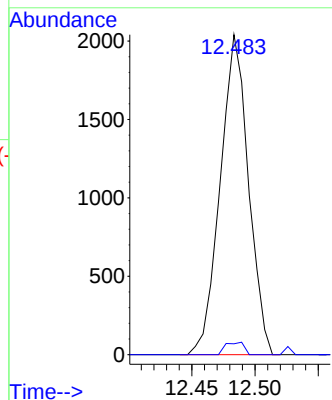
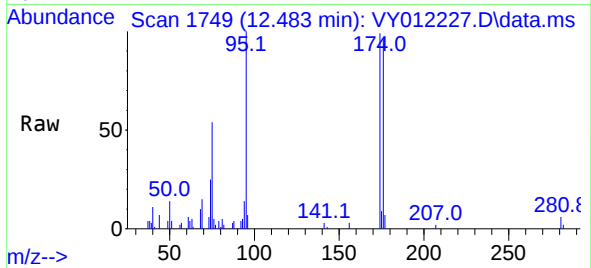




#76
1,2,3-Trichloropropane
Concen: 47.899 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

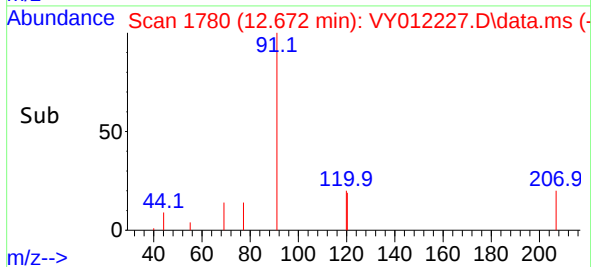
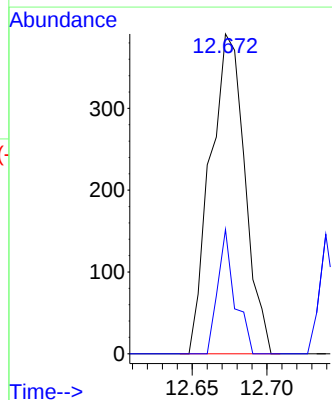
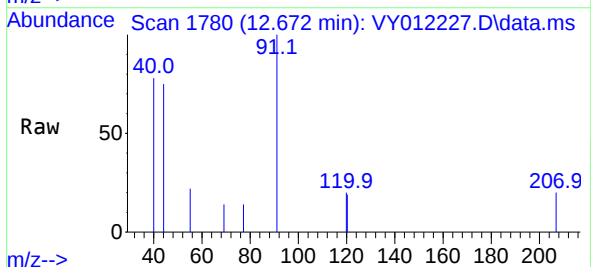
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

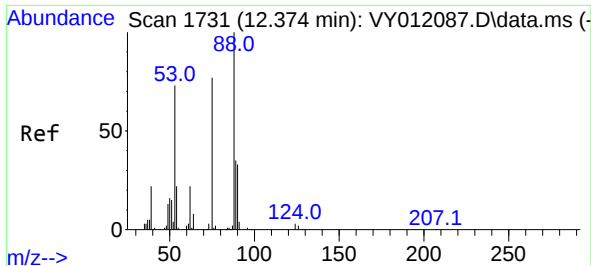
Tgt Ion: 75 Resp: 3169
Ion Ratio Lower Upper
75 100
77 2.6 0.0 0.0#



#78
n-propylbenzene
Concen: 1.036 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion: 91 Resp: 629
Ion Ratio Lower Upper
91 100
120 19.1 11.8 35.4

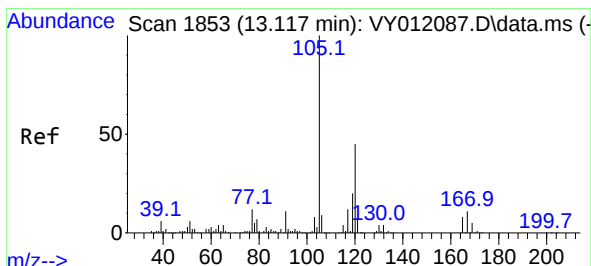
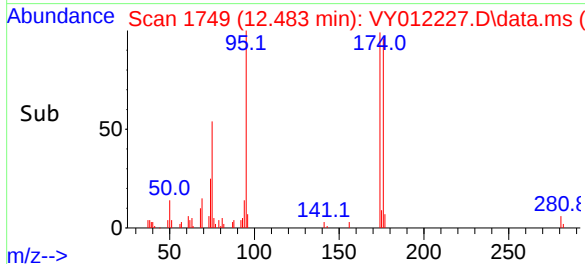
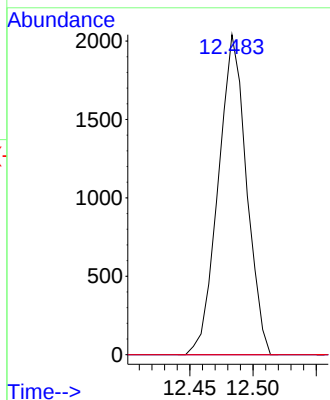
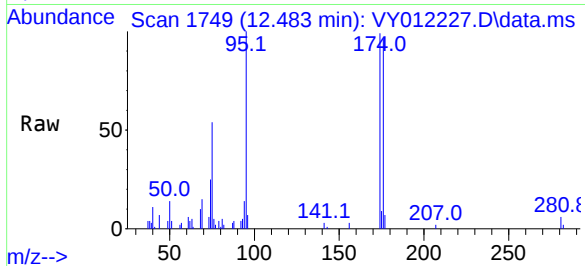




#81
trans-1,4-Dichloro-2-butene
Concen: 98.692 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

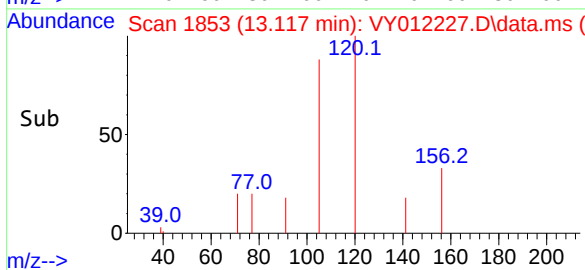
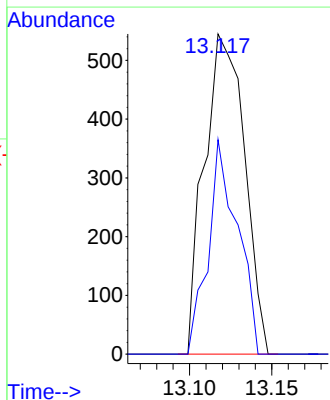
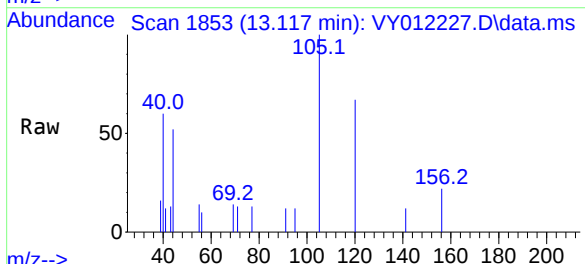
Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

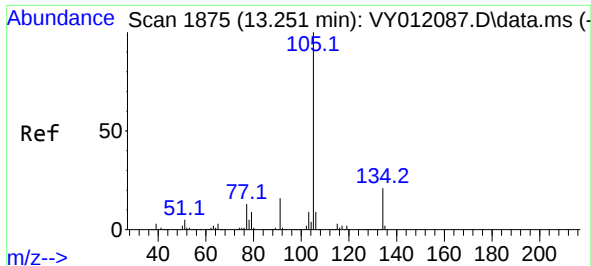
Tgt Ion: 75 Resp: 3169
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.084 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion: 105 Resp: 927
Ion Ratio Lower Upper
105 100
120 48.9 22.9 68.7

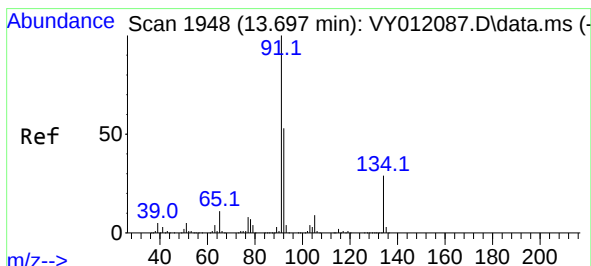
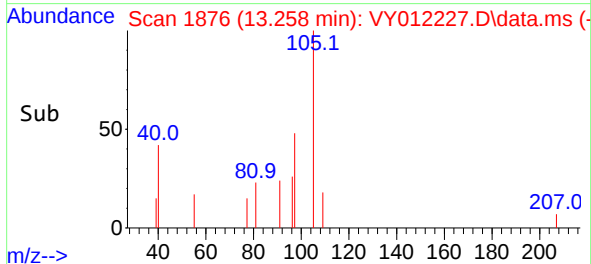
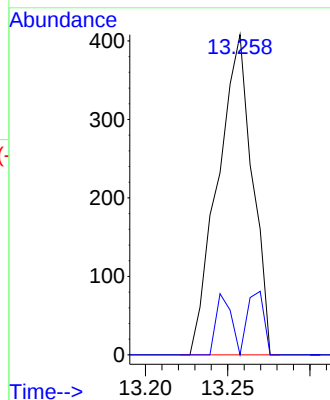
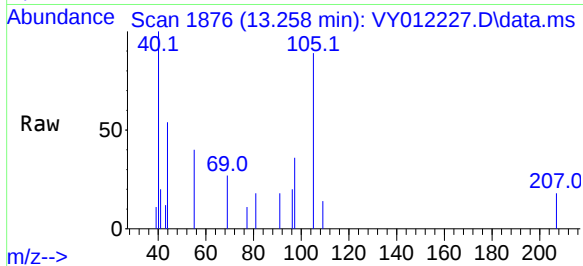




#85
 sec-Butylbenzene
 Concen: 1.063 ug/l
 RT: 13.258 min Scan# 1875
 Delta R.T. 0.007 min
 Lab File: VY012227.D
 Acq: 17 Jan 2023 16:50

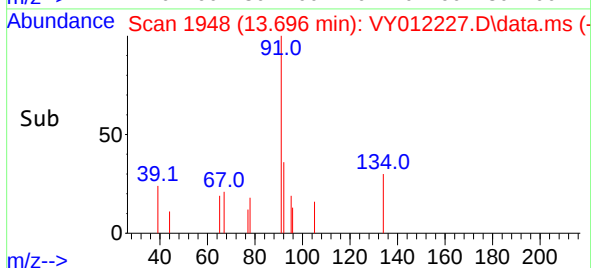
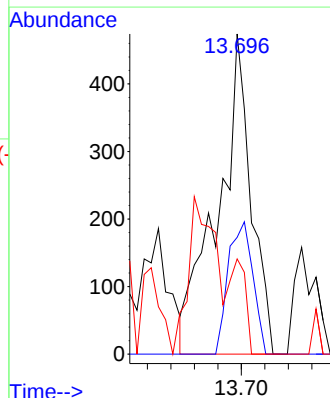
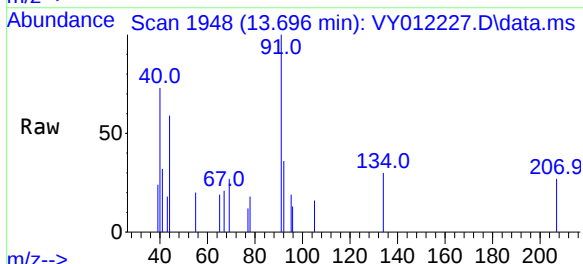
Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-3-011623

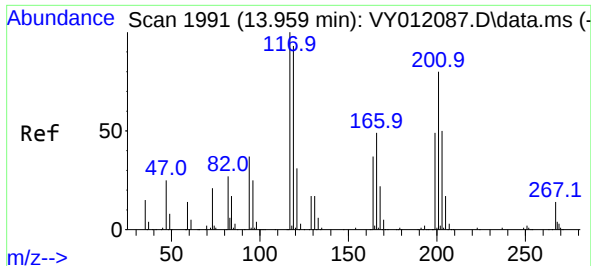
Tgt Ion:105 Resp: 595
 Ion Ratio Lower Upper
 105 100
 134 9.4 10.1 30.3#



#89
 n-Butylbenzene
 Concen: 2.199 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. -0.001 min
 Lab File: VY012227.D
 Acq: 17 Jan 2023 16:50

Tgt Ion: 91 Resp: 932
 Ion Ratio Lower Upper
 91 100
 92 30.6 26.8 80.4
 134 0.0 13.3 39.8#

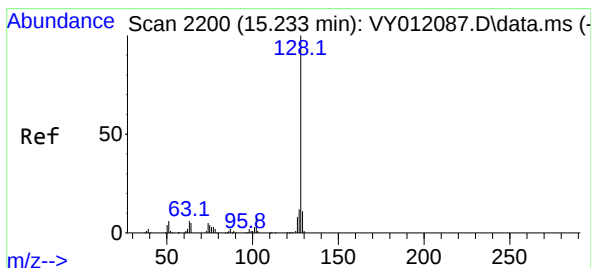
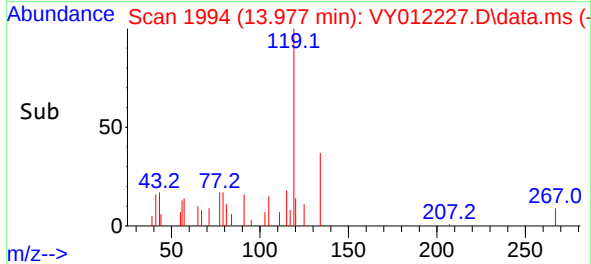
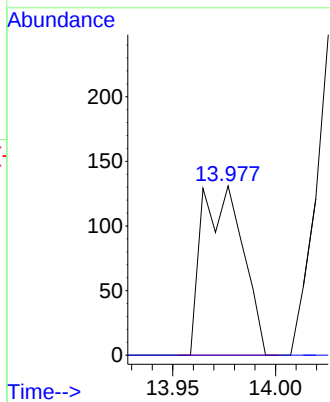
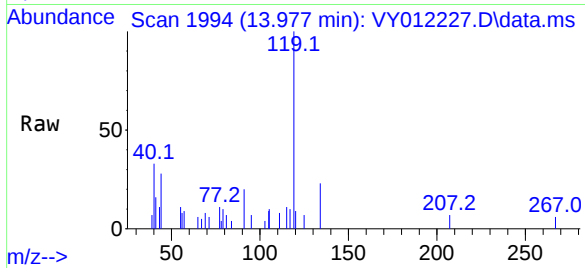




#90
Hexachloroethane
Concen: 2.050 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Instrument :
MSVOA_Y
ClientSampleId :
EO-3-011623

Tgt Ion:117 Resp: 181
Ion Ratio Lower Upper
117 100
201 0.0 40.3 120.8#



#95
Naphthalene
Concen: 2.787 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY012227.D
Acq: 17 Jan 2023 16:50

Tgt Ion:128 Resp: 781
Ion Ratio Lower Upper
128 100
127 7.3 10.2 15.2#
129 2.6 8.8 13.2#

