

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012217.D
 Acq On : 17 Jan 2023 12:16
 Operator : KP/MD
 Sample : 01157-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-4-011323

Quant Time: Jan 18 00:31:26 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)

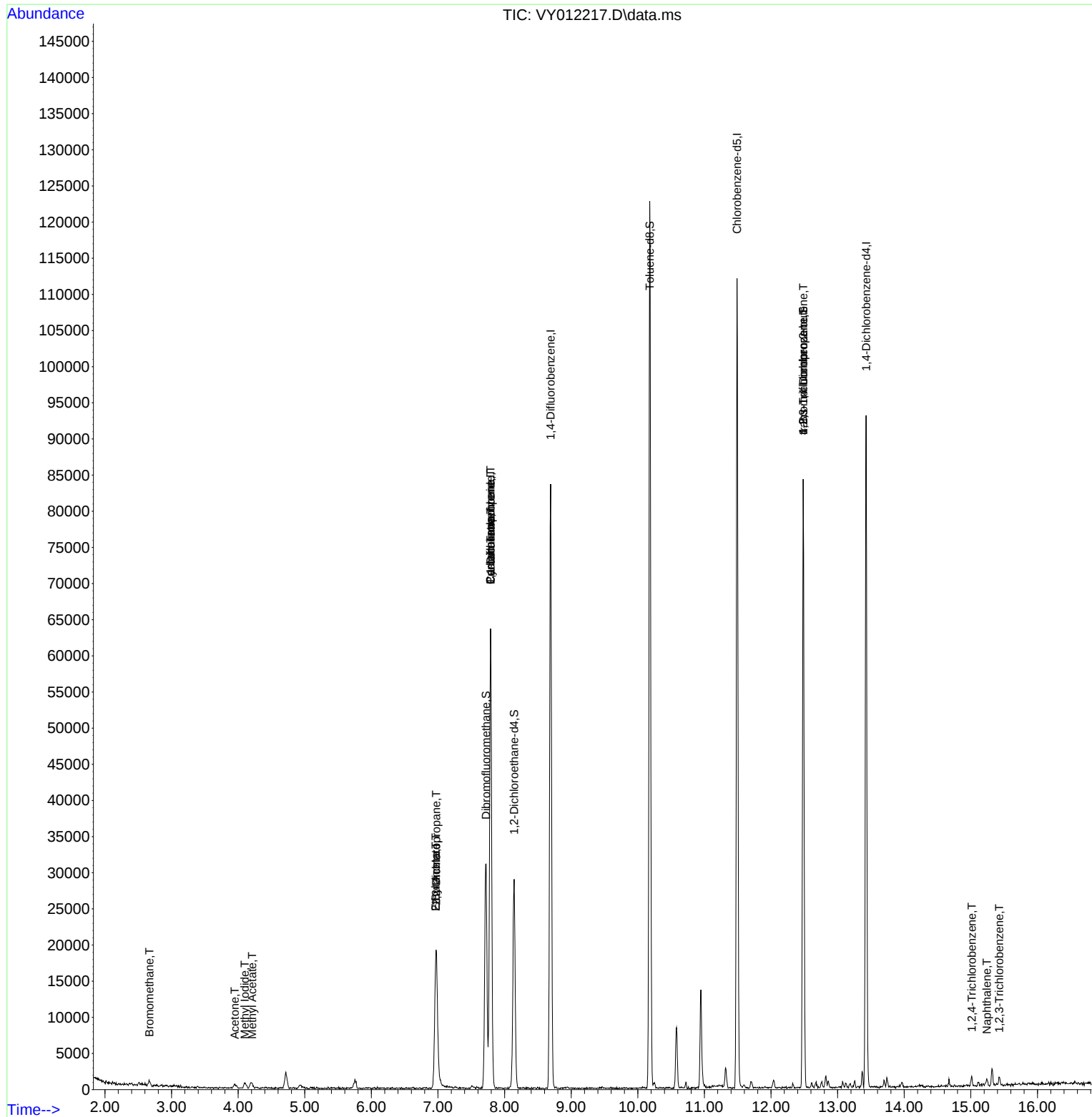
Internal Standards						
1) Pentafluorobenzene	7.789	168	49777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	74825	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	63254	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	25968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	24636	60.539	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 121.080%			
35) Dibromofluoromethane	7.722	113	21718	54.816	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.640%			
50) Toluene-d8	10.178	98	85117	63.143	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 126.280%			
62) 4-Bromofluorobenzene	12.483	95	22962	41.112	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.220%			
Target Compounds					Qvalue	
5) Bromomethane	2.668	94	439	1.211	ug/l #	73
10) Methyl Iodide	4.100	142	1159	1.713	ug/l #	69
16) Acetone	3.948	43	1016	7.330	ug/l	92
18) Methyl Acetate	4.210	43	318	1.025	ug/l #	50
20) Methylene Chloride	4.716	84	1546	Below Cal	#	78
25) 2-Butanone	6.966	43	867	5.666	ug/l #	46
26) 2,2-Dichloropropane	6.972	77	1646	1.940	ug/l #	53
31) Cyclohexane	7.789	56	1005	1.385	ug/l #	35
36) 1,1-Dichloropropene	7.789	75	3409	5.063	ug/l #	49
37) Ethyl Acetate	6.966	43	867	2.921	ug/l #	1
38) Carbon Tetrachloride	7.789	117	4774	5.490	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	12274	51.402	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	12274	105.910	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.013	180	607	1.185	ug/l	97
95) Naphthalene	15.239	128	1219	1.205	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.428	180	596	1.352	ug/l	77

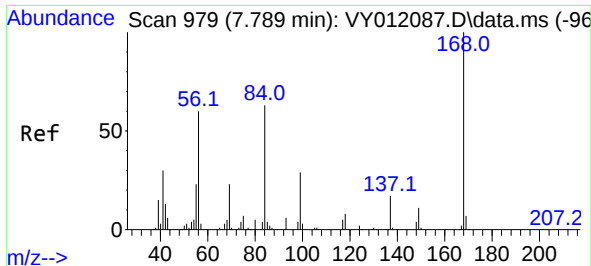
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TR-4-011323

Quant Time: Jan 18 00:31:26 2023
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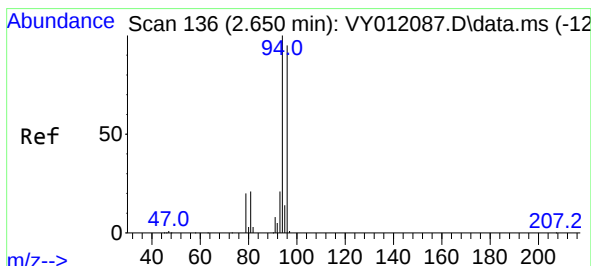
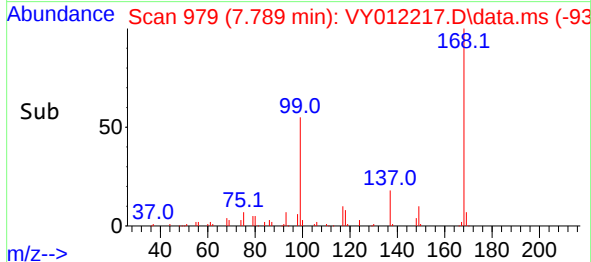
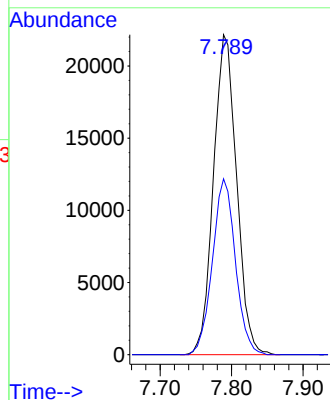
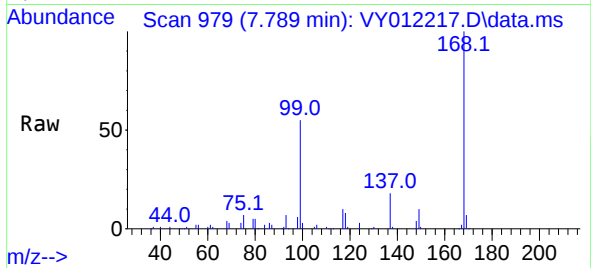




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

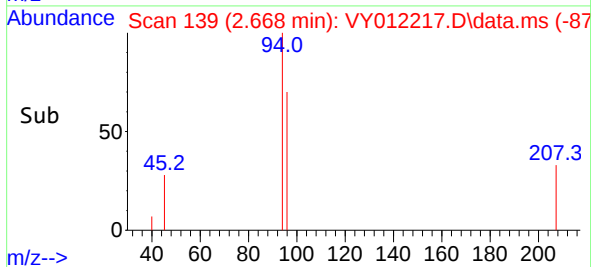
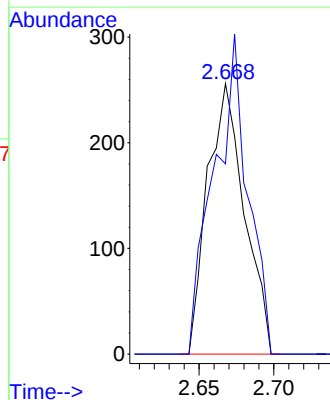
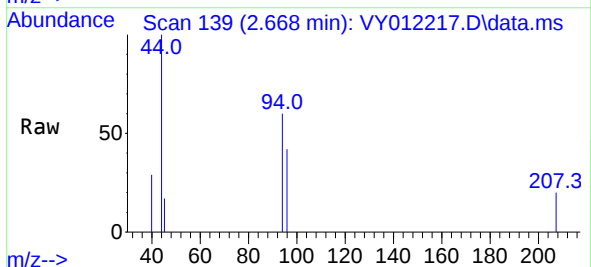
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-011323

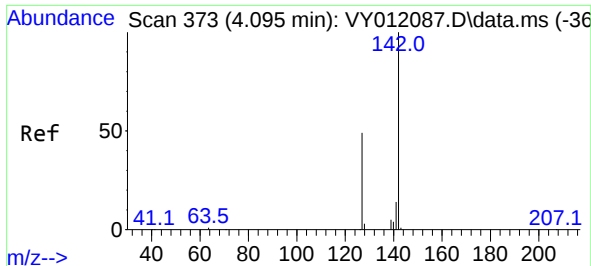
Tgt Ion:168 Resp: 49777
Ion Ratio Lower Upper
168 100
99 54.9 44.0 66.0



#5
Bromomethane
Concen: 1.211 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.018 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Tgt Ion: 94 Resp: 439
Ion Ratio Lower Upper
94 100
96 70.3 77.4 116.2#

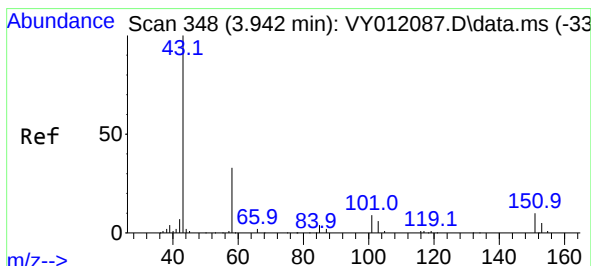
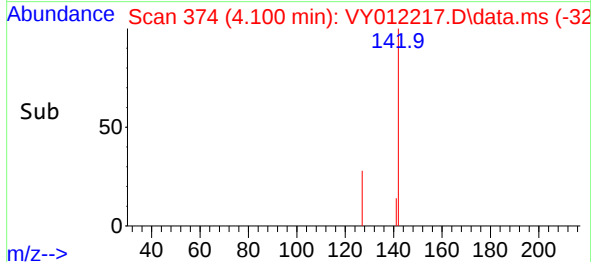
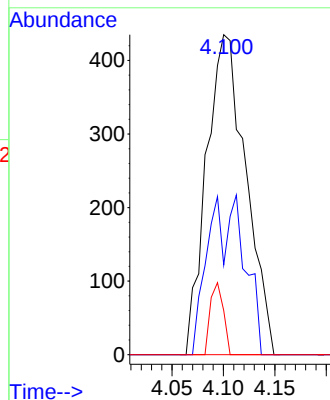
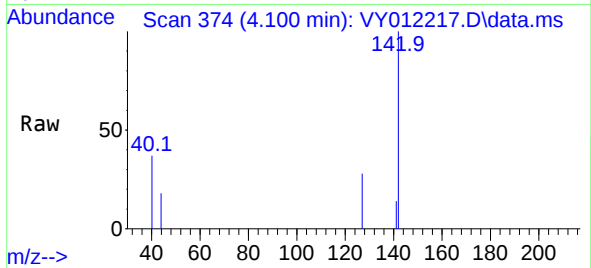




#10
Methyl Iodide
Concen: 1.713 ug/l
RT: 4.100 min Scan# 31
Delta R.T. 0.005 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

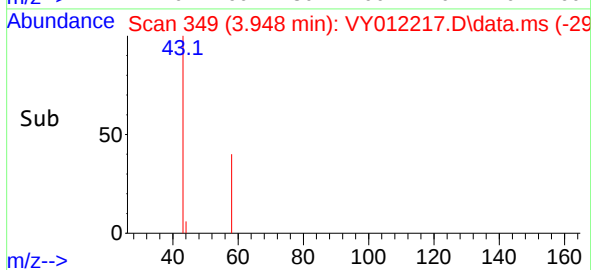
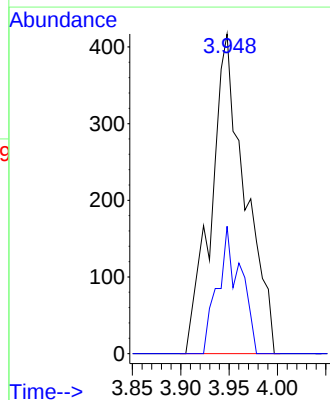
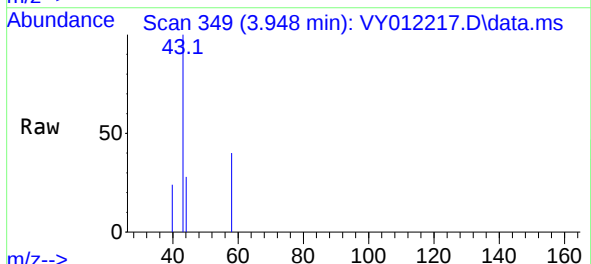
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-011323

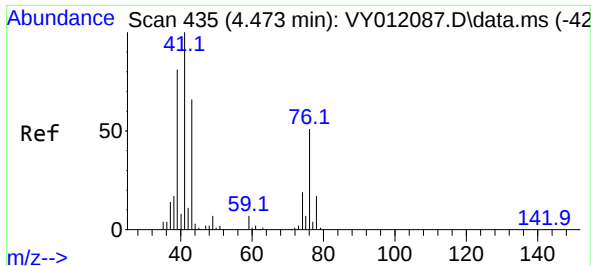
Tgt Ion:142 Resp: 1159
Ion Ratio Lower Upper
142 100
127 22.6 37.0 55.4#
141 7.4 11.4 17.0#



#16
Acetone
Concen: 7.330 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Tgt Ion: 43 Resp: 1016
Ion Ratio Lower Upper
43 100
58 39.8 27.9 41.9

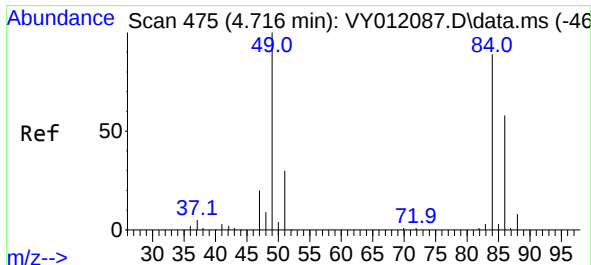
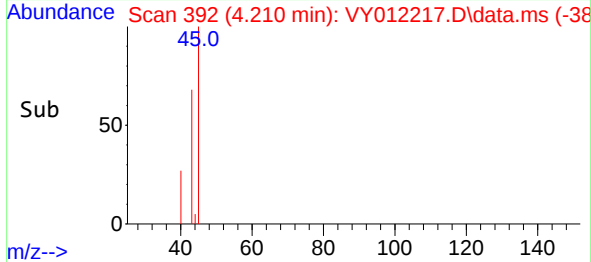
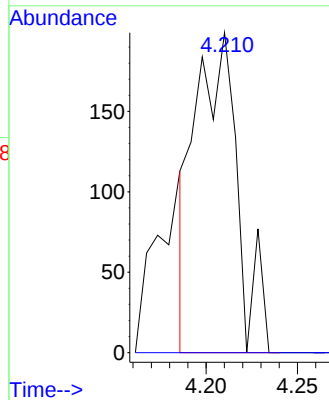
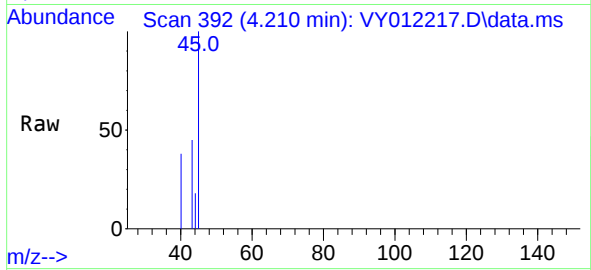




#18
Methyl Acetate
Concen: 1.025 ug/l
RT: 4.210 min Scan# 392
Delta R.T. -0.263 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

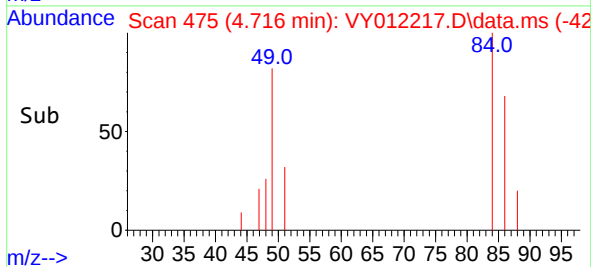
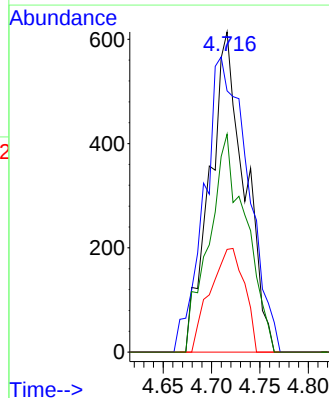
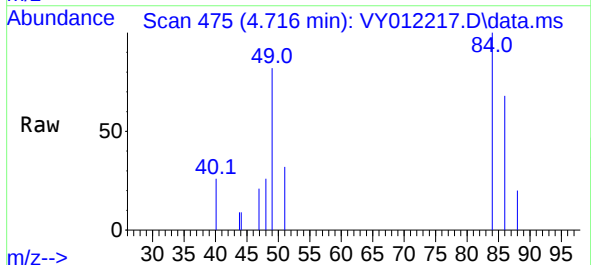
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-011323

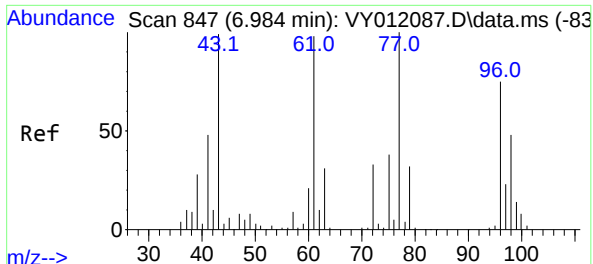
Tgt Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Tgt Ion: 84 Resp: 1546
Ion Ratio Lower Upper
84 100
49 81.6 95.4 143.2#
51 32.1 29.9 44.9
86 68.1 49.6 74.4





#25

2-Butanone

Concen: 5.666 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.018 min

Lab File: VY012217.D

Acq: 17 Jan 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

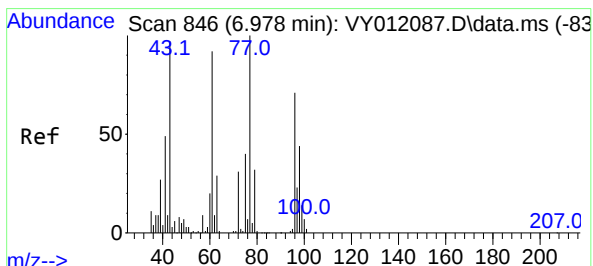
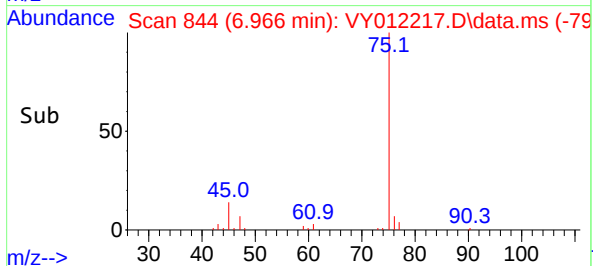
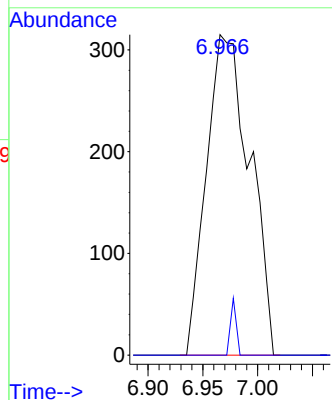
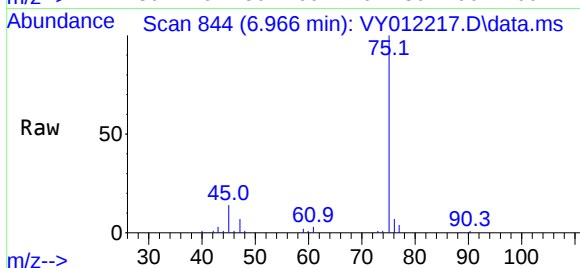
TR-4-011323

Tgt Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 1.940 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY012217.D

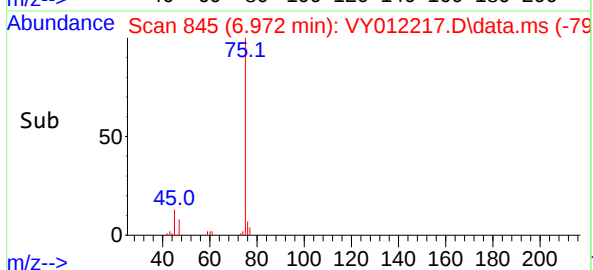
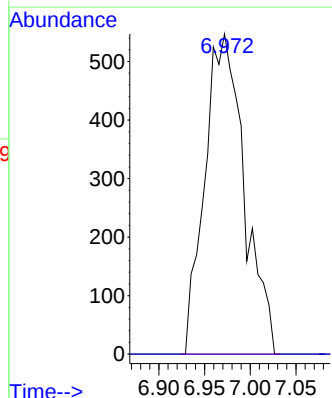
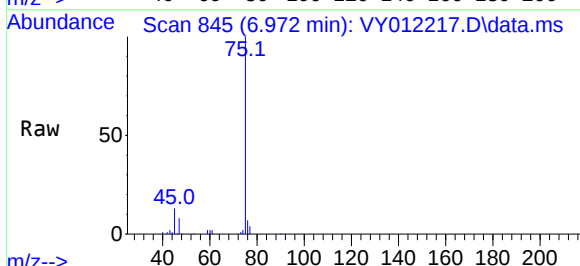
Acq: 17 Jan 2023 12:16

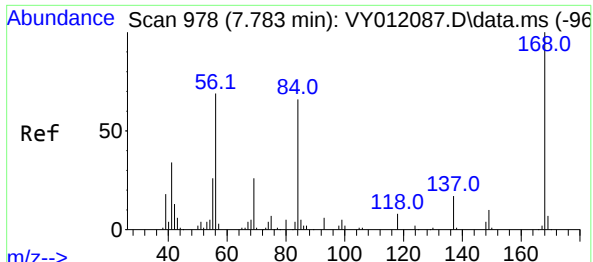
Tgt Ion: 77 Resp: 1646

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.1#

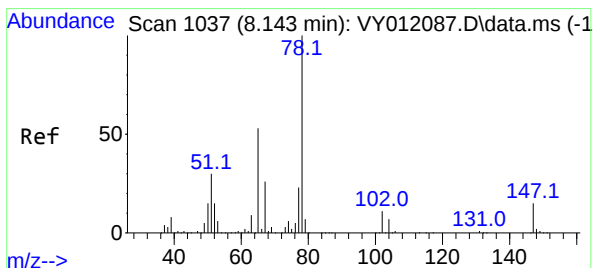
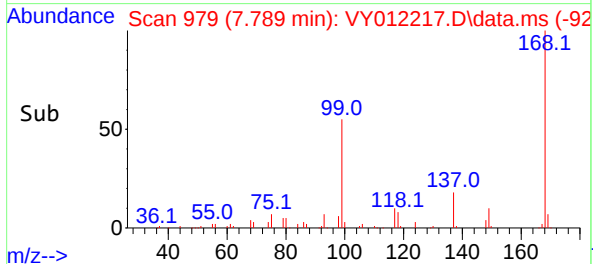
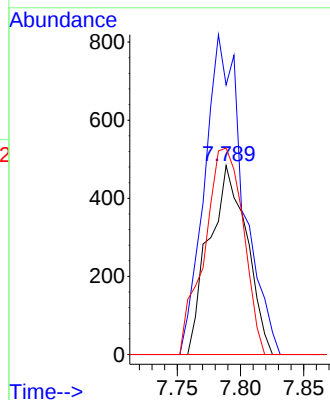
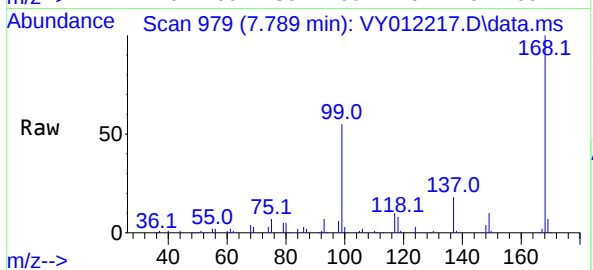




#31
Cyclohexane
Concen: 1.385 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

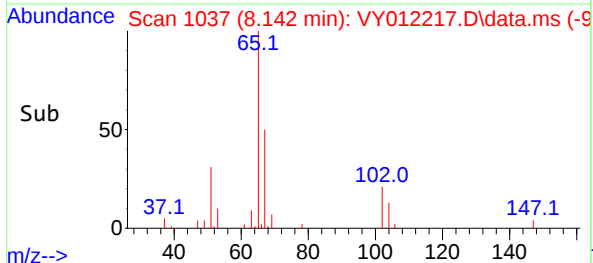
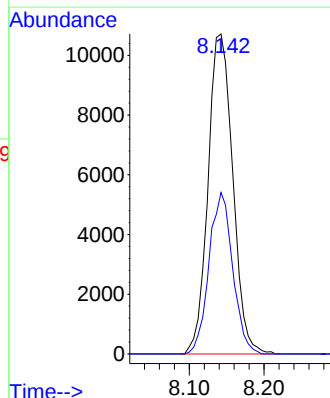
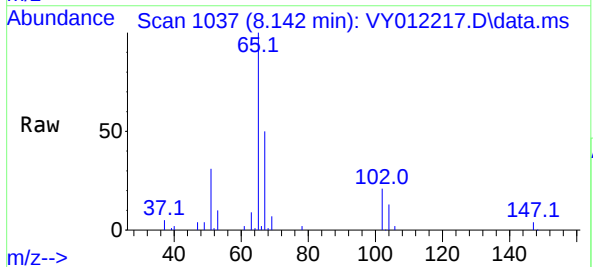
Instrument :
MSVOA_Y
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TR-4-011323

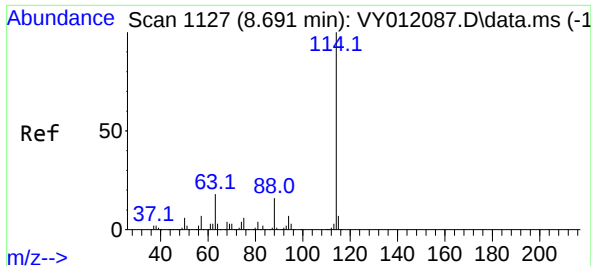
Tgt Ion: 56 Resp: 1005
Ion Ratio Lower Upper
56 100
69 142.6 29.2 43.8#
84 109.3 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 60.539 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Tgt Ion: 65 Resp: 24636
Ion Ratio Lower Upper
65 100
67 48.3 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: VY012217.D

Acq: 17 Jan 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-011323

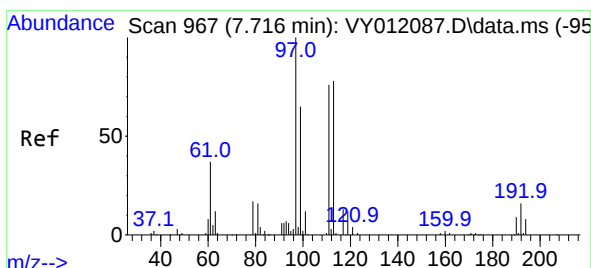
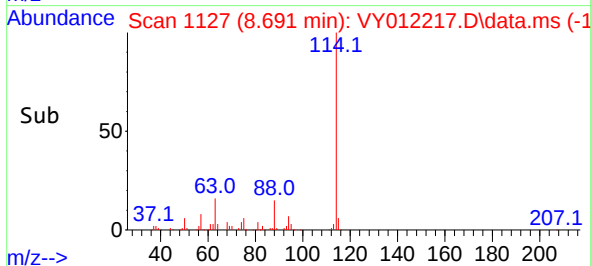
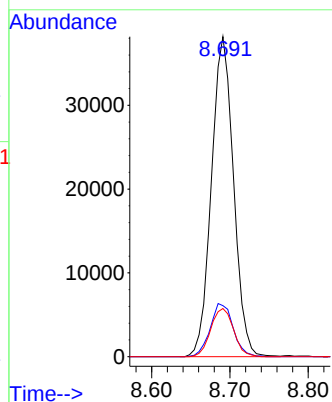
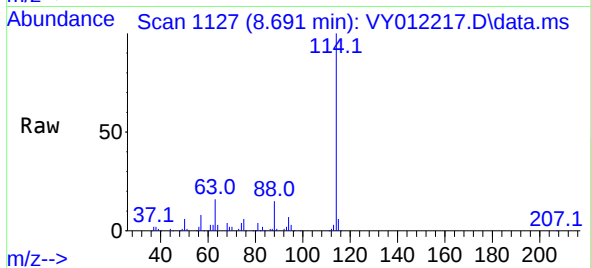
Tgt Ion:114 Resp: 74825

Ion Ratio Lower Upper

114 100

63 15.9 0.0 39.6

88 15.0 0.0 32.2



#35

Dibromofluoromethane

Concen: 54.816 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY012217.D

Acq: 17 Jan 2023 12:16

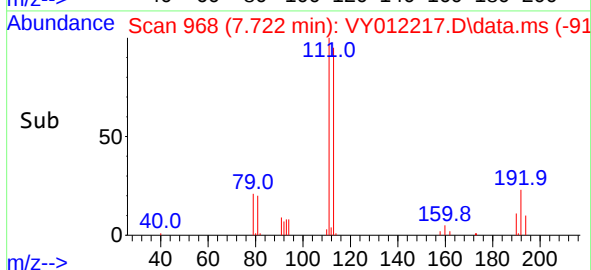
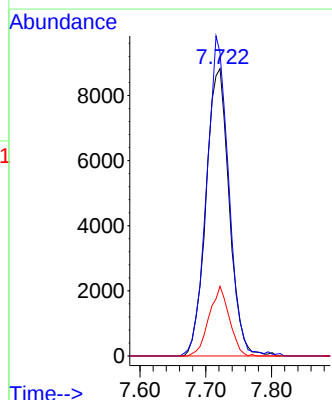
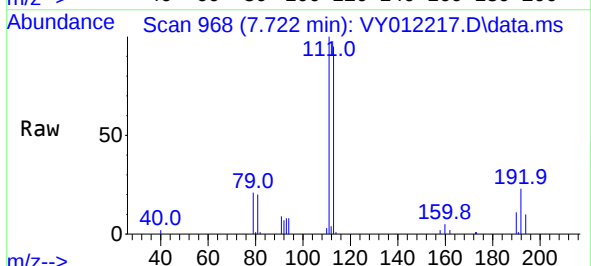
Tgt Ion:113 Resp: 21718

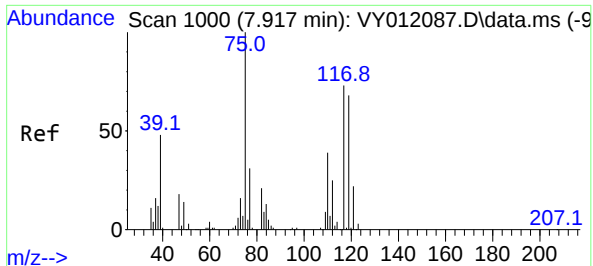
Ion Ratio Lower Upper

113 100

111 105.3 83.0 124.4

192 21.0 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.063 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012217.D

Acq: 17 Jan 2023 12:16

Instrument :

MSVOA_Y

ClientSampleId :

TR-4-011323

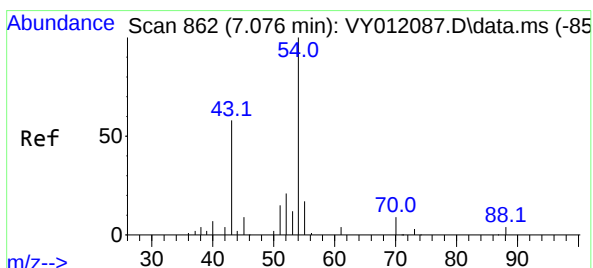
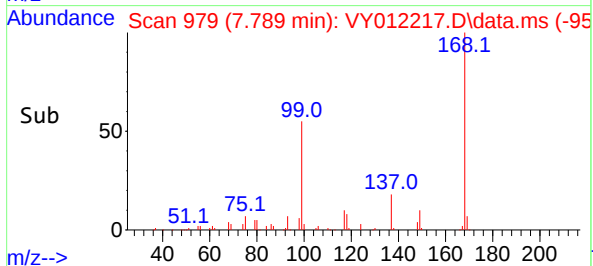
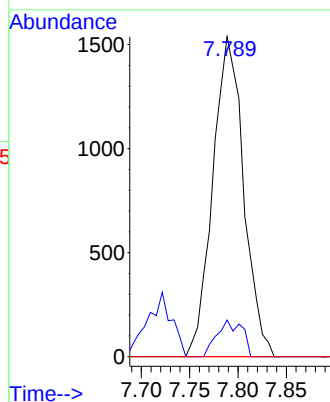
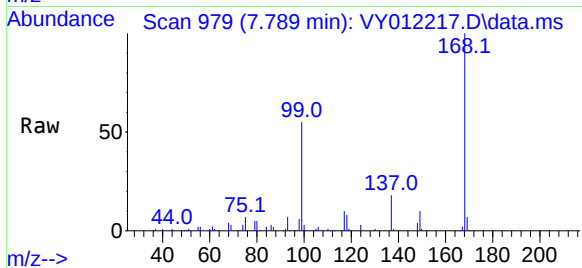
Tgt Ion: 75 Resp: 3409

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 2.921 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.110 min

Lab File: VY012217.D

Acq: 17 Jan 2023 12:16

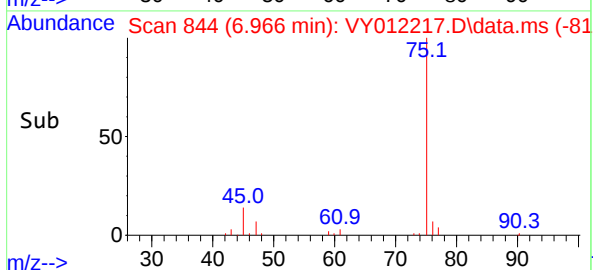
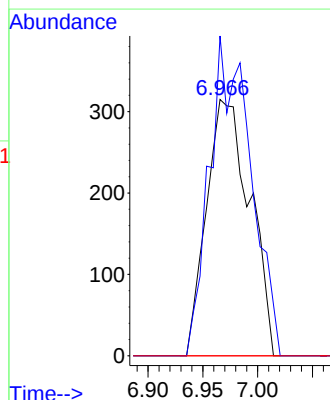
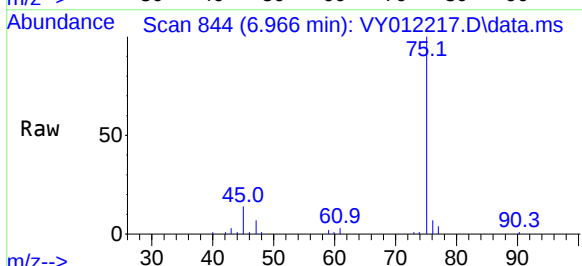
Tgt Ion: 43 Resp: 867

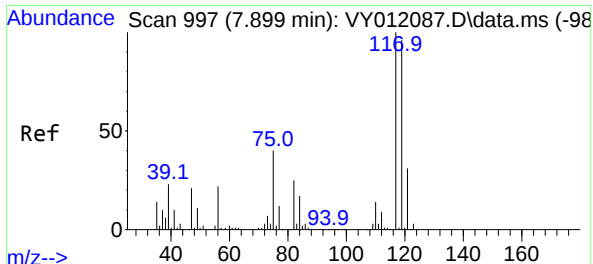
Ion Ratio Lower Upper

43 100

61 118.5 11.3 16.9#

70 0.0 8.2 12.4#

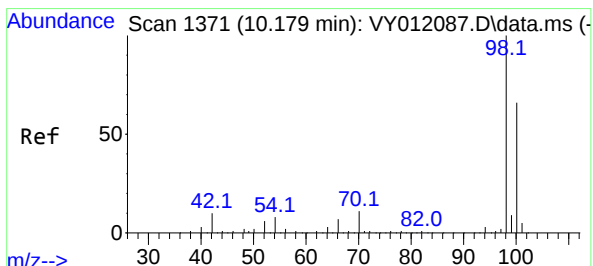
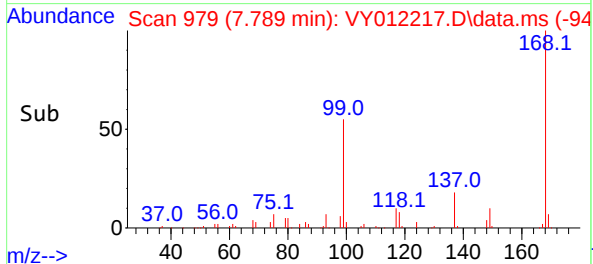
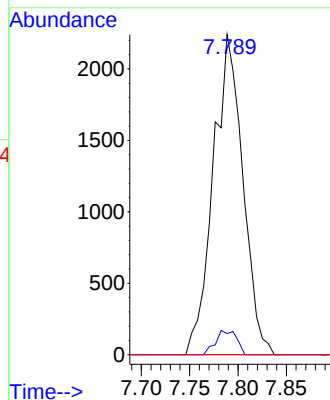
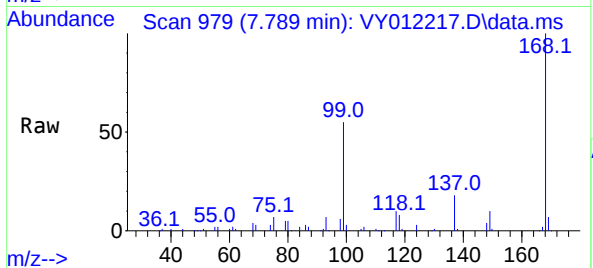




#38
Carbon Tetrachloride
Concen: 5.490 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

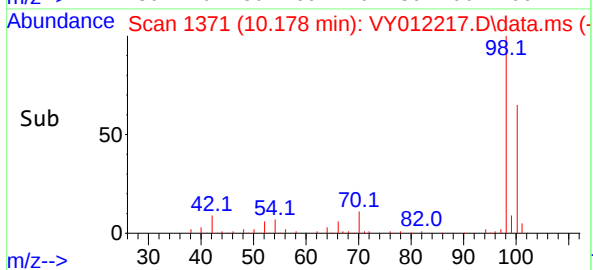
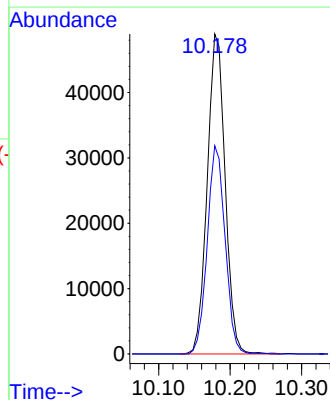
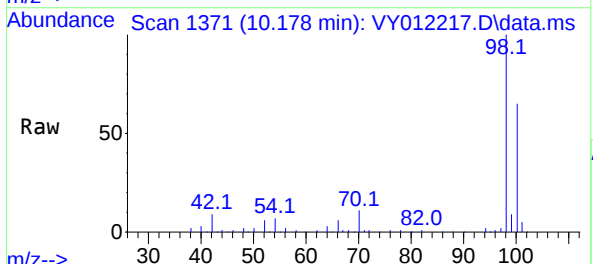
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-011323

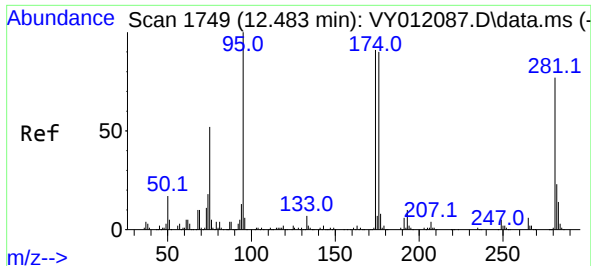
Tgt Ion:117 Resp: 4774
Ion Ratio Lower Upper
117 100
119 6.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 63.143 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Tgt Ion: 98 Resp: 85117
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

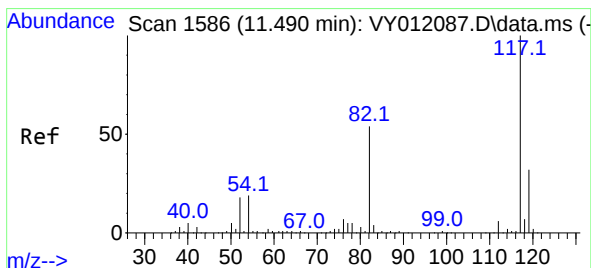
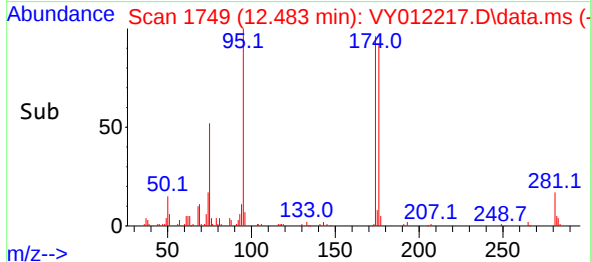
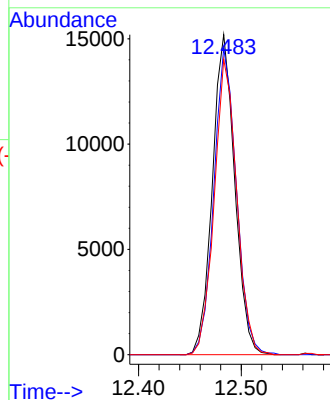
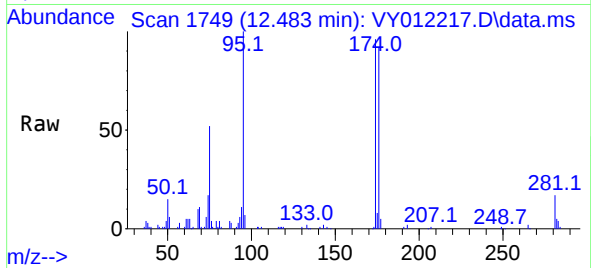




#62
4-Bromofluorobenzene
Concen: 41.112 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

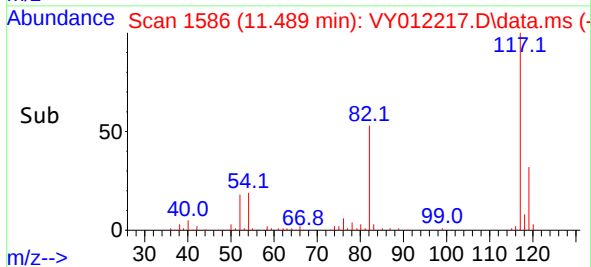
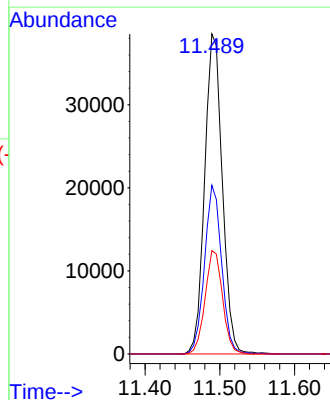
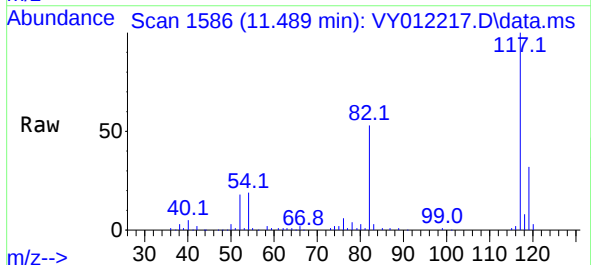
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-011323

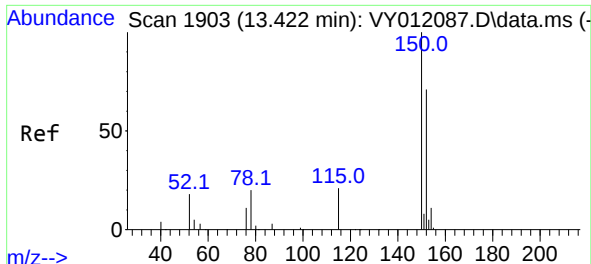
Tgt Ion:	95	Resp:	22962
Ion	Ratio	Lower	Upper
95	100		
174	96.2	0.0	172.0
176	92.6	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Tgt Ion:	117	Resp:	63254
Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.8	67.2
119	32.3	25.4	38.2

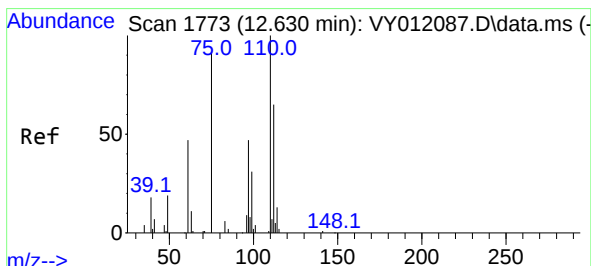
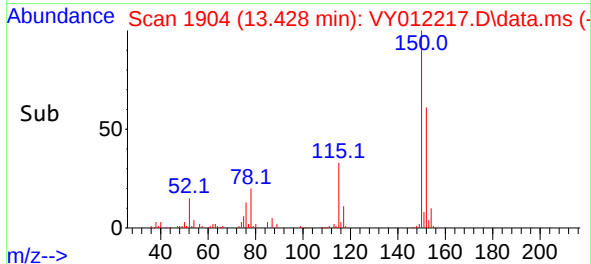
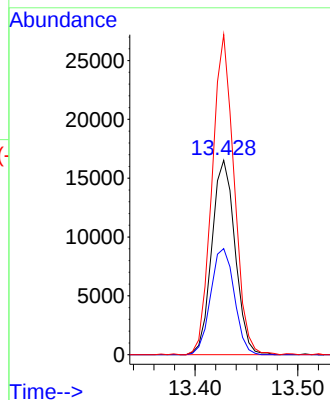
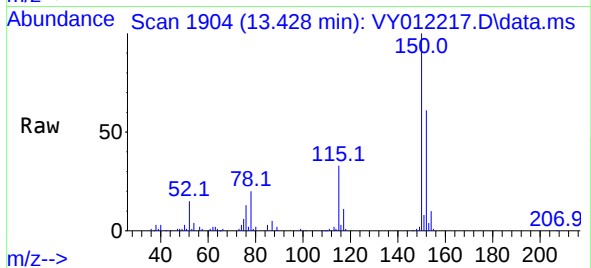




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

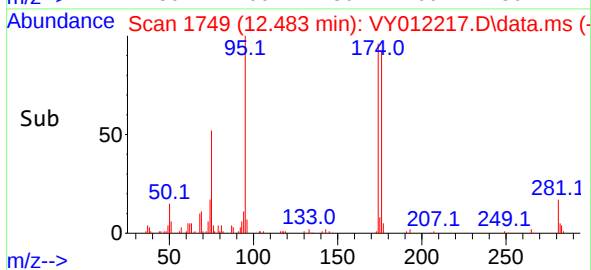
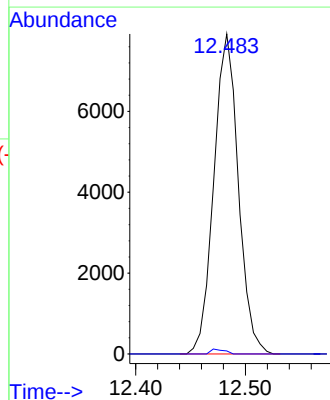
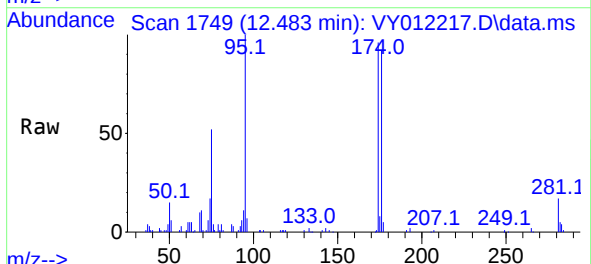
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-011323

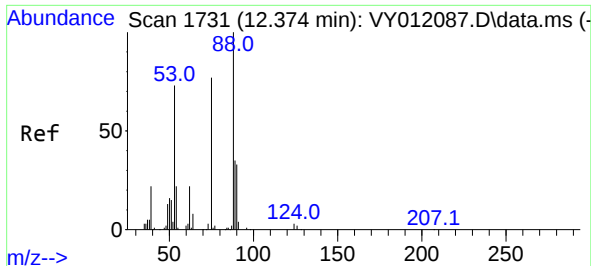
Tgt Ion:152 Resp: 25968
Ion Ratio Lower Upper
152 100
115 55.6 29.1 87.3
150 156.1 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 51.402 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Tgt Ion: 75 Resp: 12274
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#

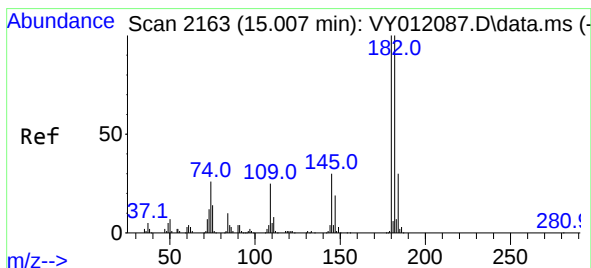
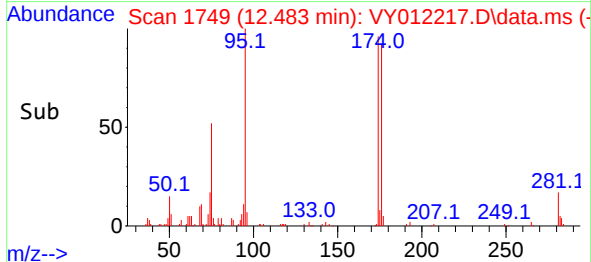
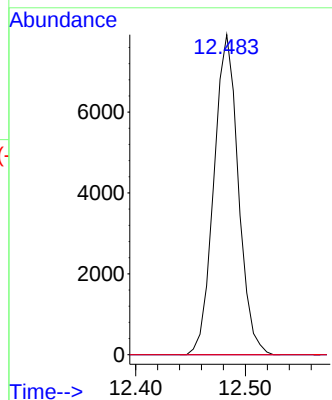
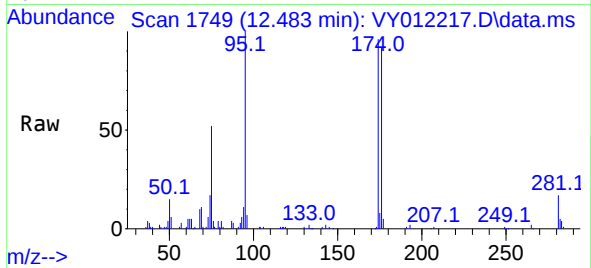




#81
trans-1,4-Dichloro-2-butene
Concen: 105.910 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

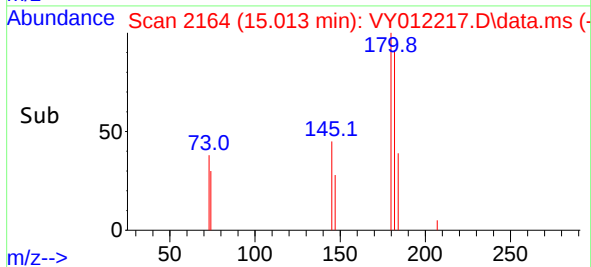
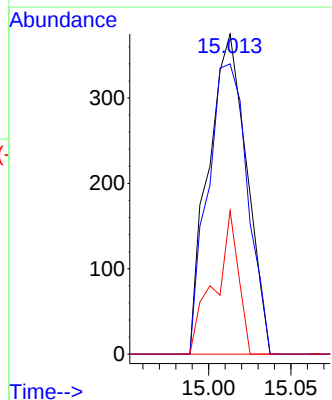
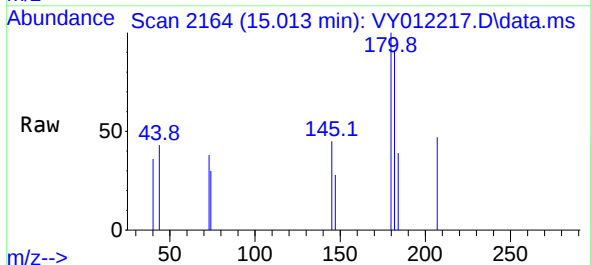
Instrument :
MSVOA_Y
ClientSampleId :
TR-4-011323

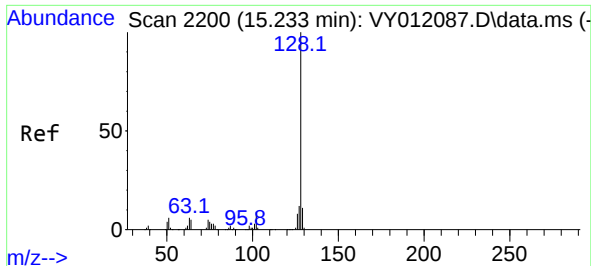
Tgt Ion: 75 Resp: 12274
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#93
1,2,4-Trichlorobenzene
Concen: 1.185 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Tgt Ion:180 Resp: 607
Ion Ratio Lower Upper
180 100
182 94.1 48.1 144.3
145 27.7 15.4 46.4

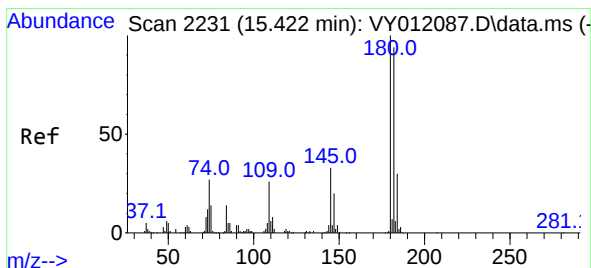
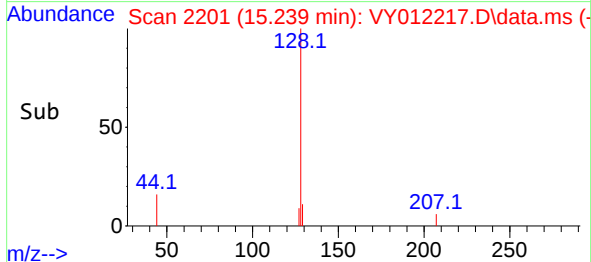
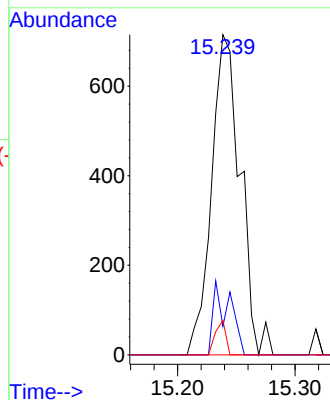
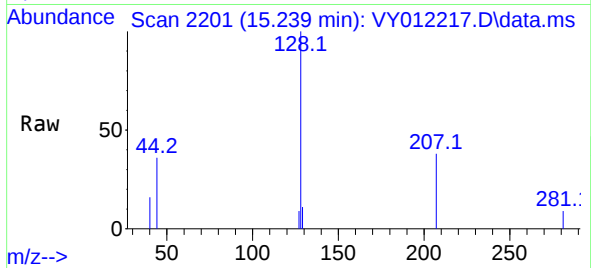




#95
Naphthalene
Concen: 1.205 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Instrument :
MSVOA_Y
ClientSampleId :
TR-4-011323

Tgt Ion:128 Resp: 1219
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 3.9 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 1.352 ug/l
RT: 15.428 min Scan# 2232
Delta R.T. 0.006 min
Lab File: VY012217.D
Acq: 17 Jan 2023 12:16

Tgt Ion:180 Resp: 596
Ion Ratio Lower Upper
180 100
182 74.3 47.9 143.7
145 17.3 16.1 48.2

