

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052423\
 Data File : VY013845.D
 Acq On : 24 May 2023 14:48
 Operator : KP/MD
 Sample : 02899-06
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB08

Quant Time: May 25 07:08:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 24 05:25:47 2023
 Response via : Initial Calibration

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

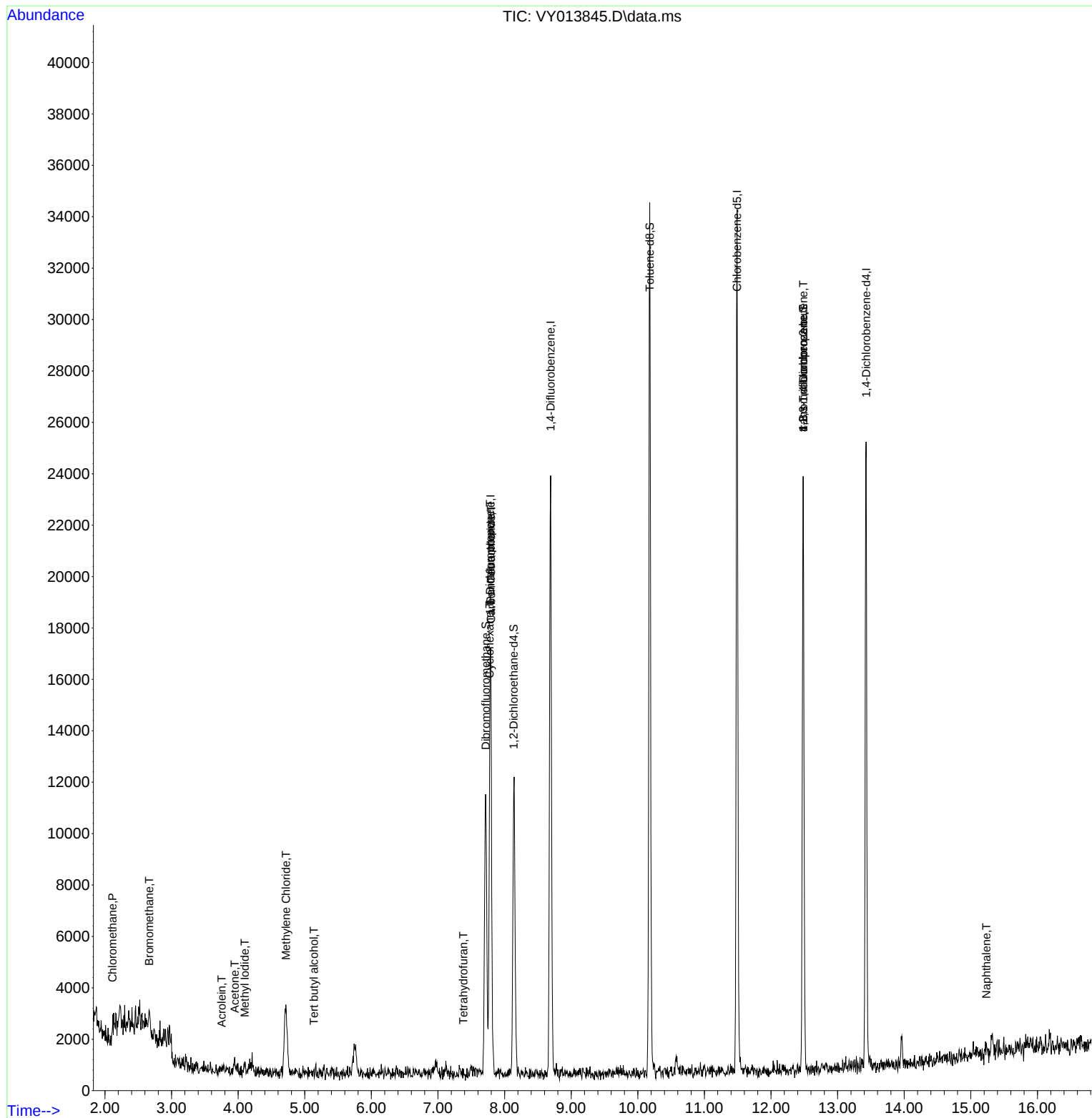
Internal Standards						
1) Pentafluorobenzene	7.789	168	13496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	19776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	18789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	6801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	9372	60.025	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.040%	
35) Dibromofluoromethane	7.716	113	7675	60.095	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.180%	
50) Toluene-d8	10.179	98	23209	47.814	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.620%	
62) 4-Bromofluorobenzene	12.483	95	6302	39.058	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 78.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	231	1.534	ug/l #	43
5) Bromomethane	2.662	94	227	1.855	ug/l	99
10) Methyl Iodide	4.101	142	348	2.086	ug/l #	64
11) Tert butyl alcohol	5.137	59	22	1.839	ug/l #	73
13) Acrolein	3.753	56	45	2.501	ug/l #	77
16) Acetone	3.948	43	793	17.112	ug/l	94
20) Methylene Chloride	4.716	84	2009	10.205	ug/l #	83
29) Tetrahydrofuran	7.380	42	50	1.481	ug/l #	36
31) Cyclohexane	7.777	56	324	1.351	ug/l #	55
36) 1,1-Dichloropropene	7.783	75	1079	5.547	ug/l #	42
38) Carbon Tetrachloride	7.795	117	1364	6.166	ug/l #	13
76) 1,2,3-Trichloropropane	12.483	75	3236	40.353	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3236	87.593	ug/l #	10
95) Naphthalene	15.233	128	256	5.350	ug/l #	81

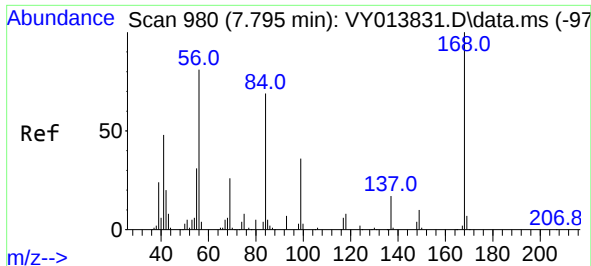
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052323S.M
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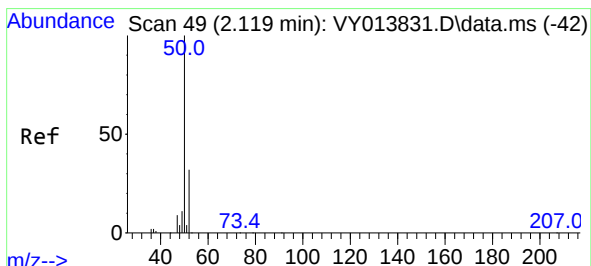
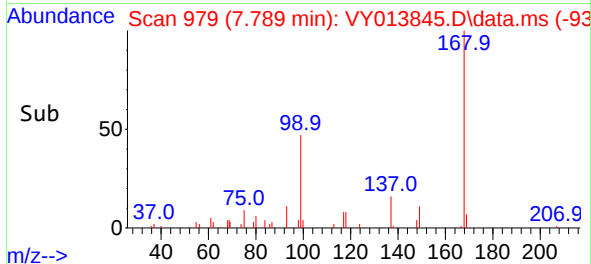
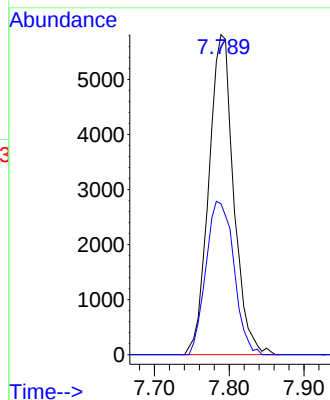
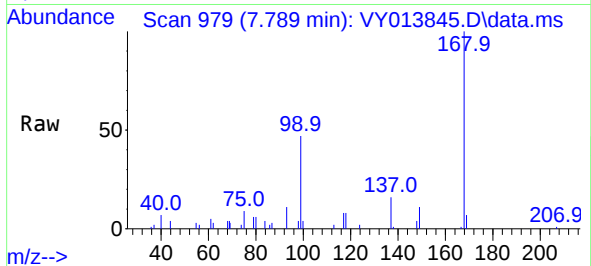




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

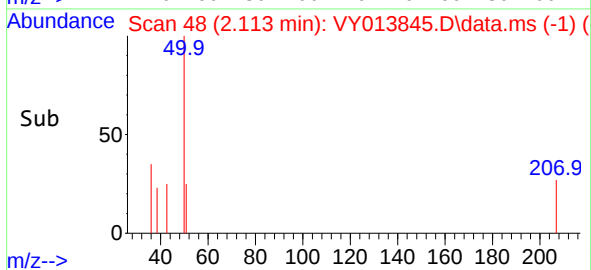
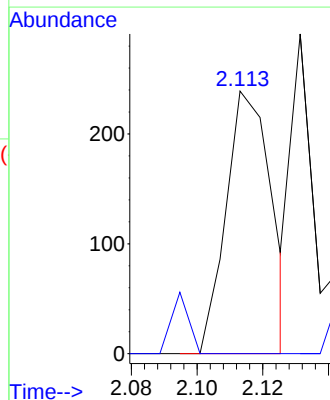
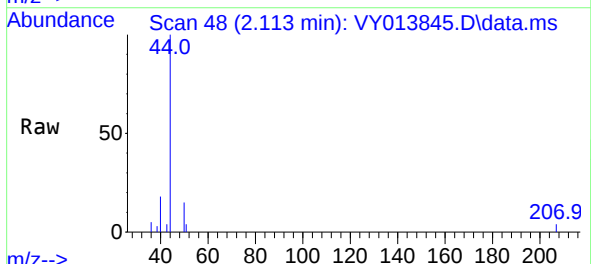
Instrument :
MSVOA_Y
ClientSampleId :
SB08

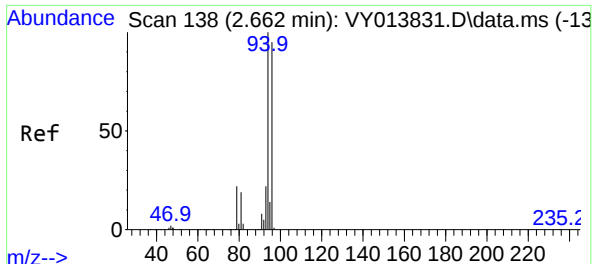
Tgt Ion:168 Resp: 13496
Ion Ratio Lower Upper
168 100
99 47.2 43.4 65.2



#3
Chloromethane
Concen: 1.534 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

Tgt Ion: 50 Resp: 231
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

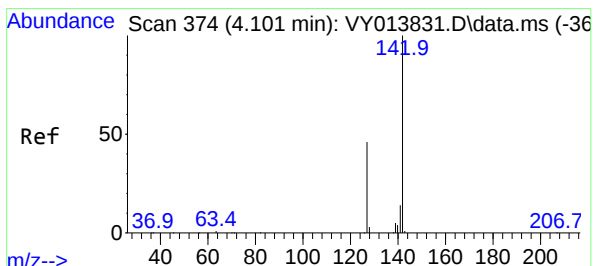
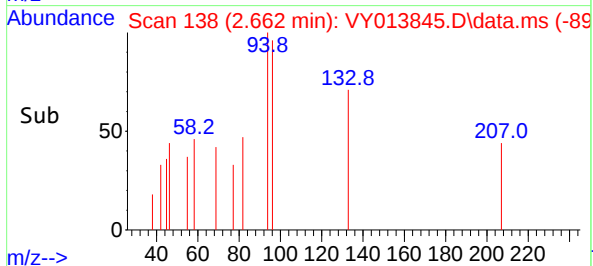
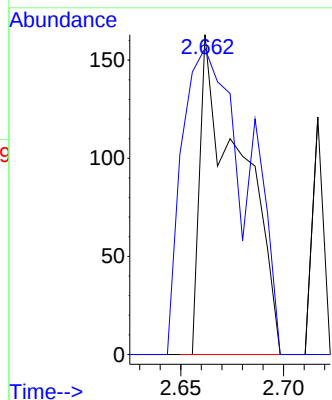
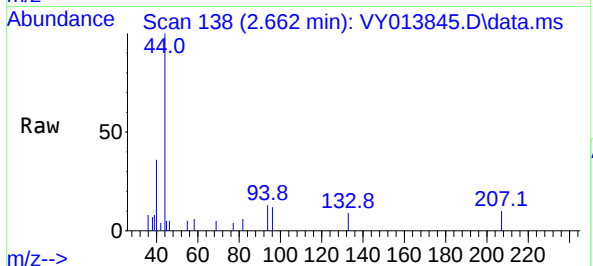




#5
Bromomethane
Concen: 1.855 ug/l
RT: 2.662 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

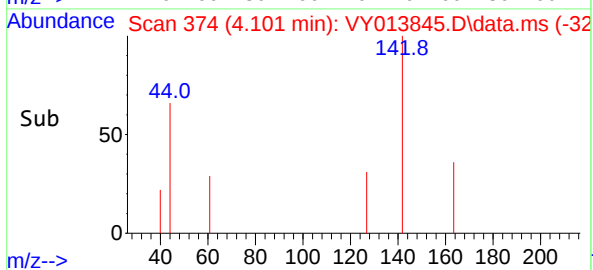
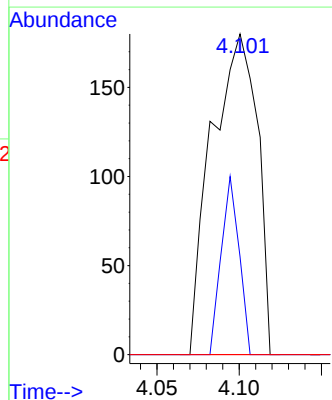
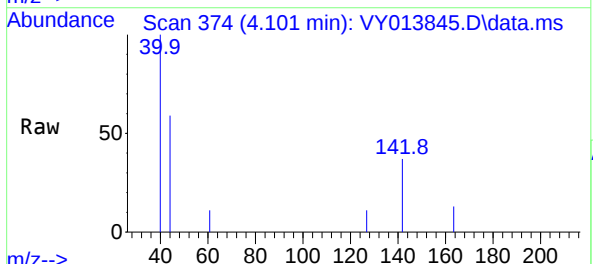
Instrument :
MSVOA_Y
ClientSampleId :
SB08

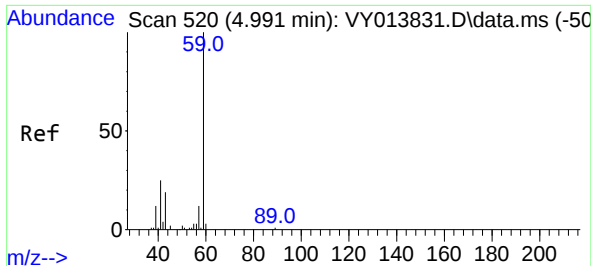
Tgt Ion: 94 Resp: 227
Ion Ratio Lower Upper
94 100
96 95.7 76.2 114.2



#10
Methyl Iodide
Concen: 2.086 ug/l
RT: 4.101 min Scan# 374
Delta R.T. -0.000 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

Tgt Ion: 142 Resp: 348
Ion Ratio Lower Upper
142 100
127 21.8 37.0 55.4#
141 0.0 11.8 17.6#





#11

Tert butyl alcohol

Concen: 1.839 ug/l

RT: 5.137 min Scan# 54

Delta R.T. 0.146 min

Lab File: VY013845.D

Acq: 24 May 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

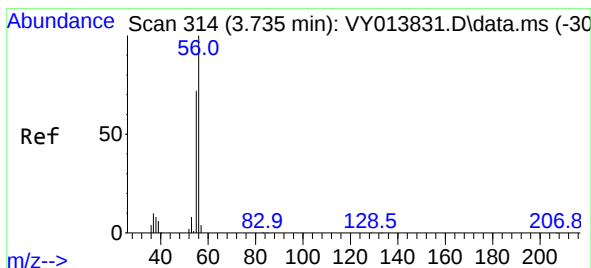
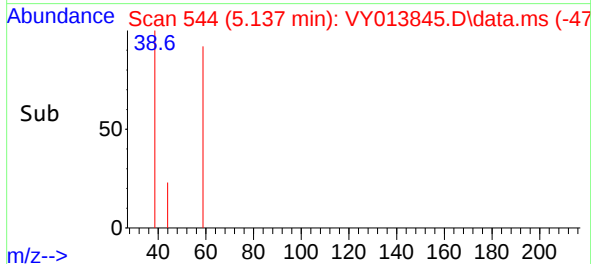
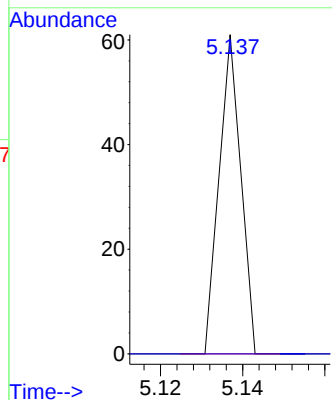
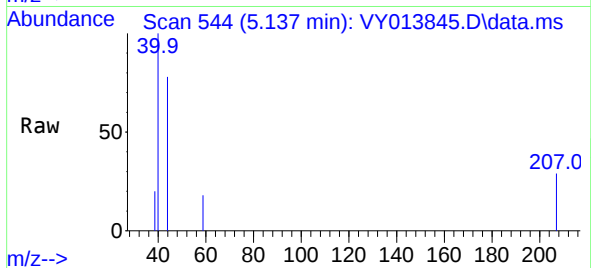
SB08

Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 2.501 ug/l

RT: 3.753 min Scan# 317

Delta R.T. 0.018 min

Lab File: VY013845.D

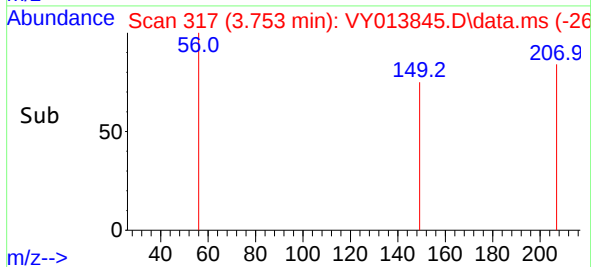
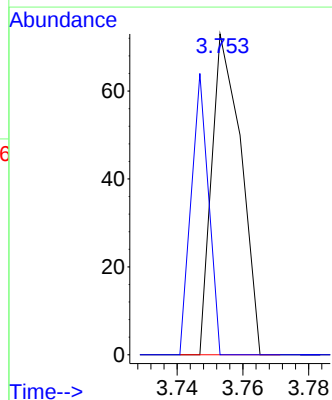
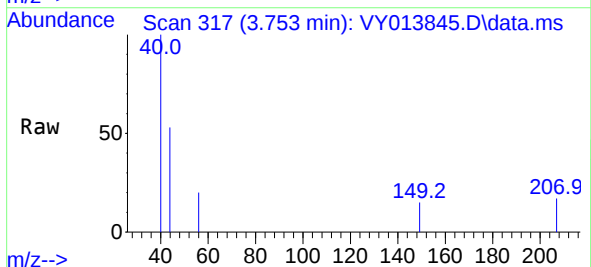
Acq: 24 May 2023 14:48

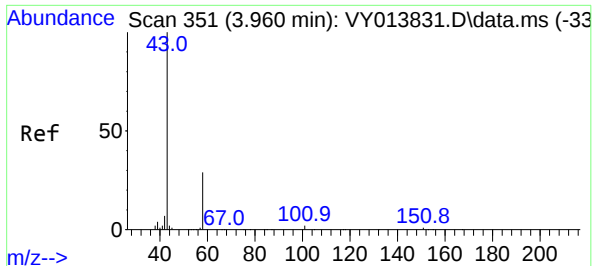
Tgt Ion: 56 Resp: 45

Ion Ratio Lower Upper

56 100

55 51.1 56.2 84.2#

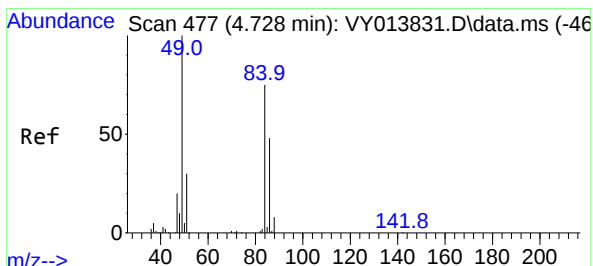
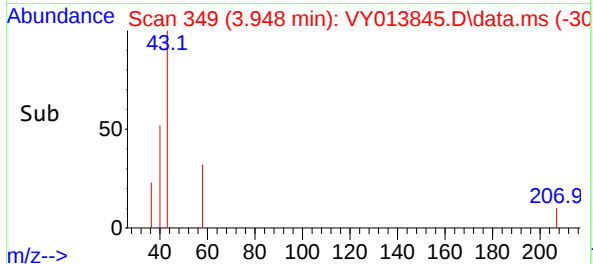
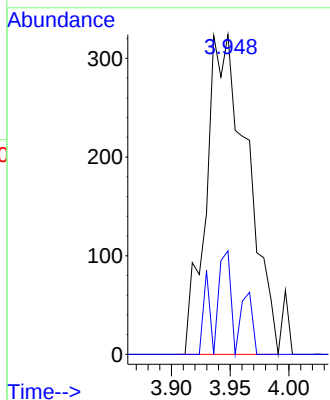
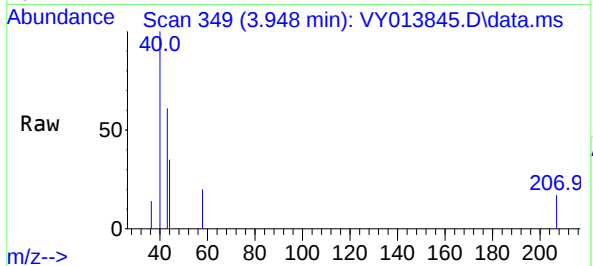




#16
Acetone
Concen: 17.112 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.012 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

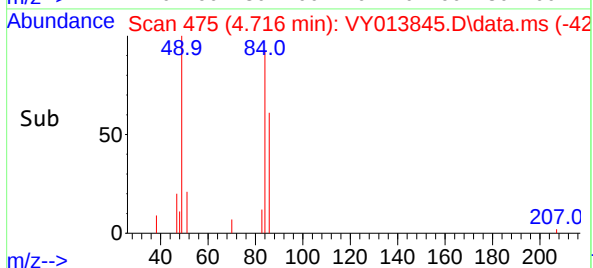
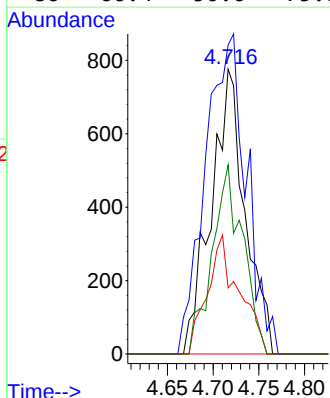
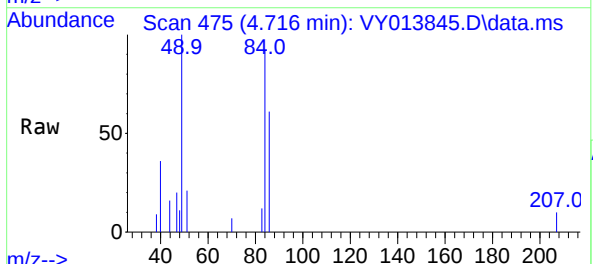
Instrument :
MSVOA_Y
ClientSampleId :
SB08

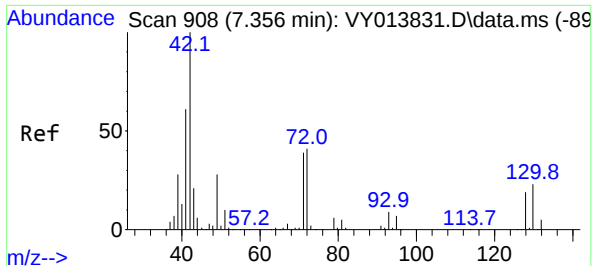
Tgt Ion: 43 Resp: 793
Ion Ratio Lower Upper
43 100
58 32.4 23.3 34.9



#20
Methylene Chloride
Concen: 10.205 ug/l
RT: 4.716 min Scan# 475
Delta R.T. -0.012 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

Tgt Ion: 84 Resp: 2009
Ion Ratio Lower Upper
84 100
49 108.5 106.2 159.2
51 23.2 31.4 47.0#
86 66.4 50.6 75.8

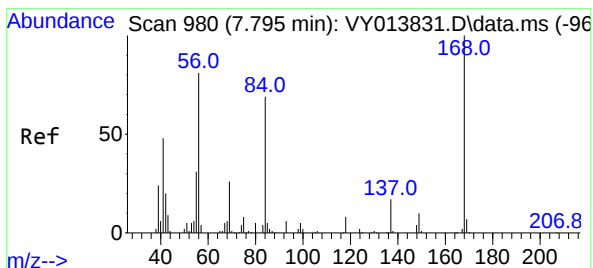
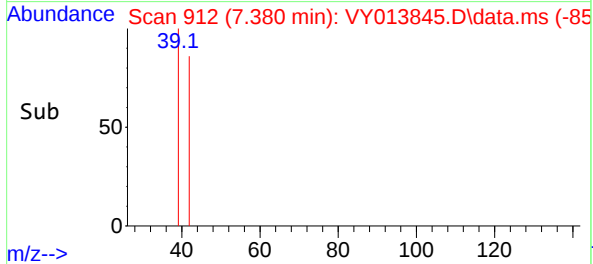
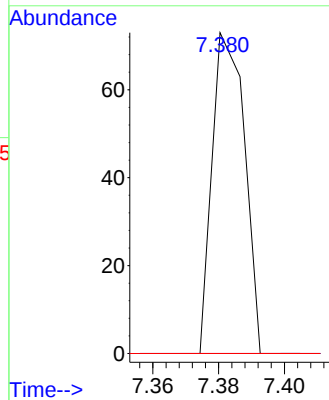
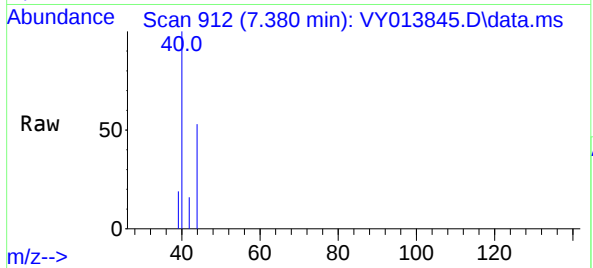




#29
Tetrahydrofuran
Concen: 1.481 ug/l
RT: 7.380 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

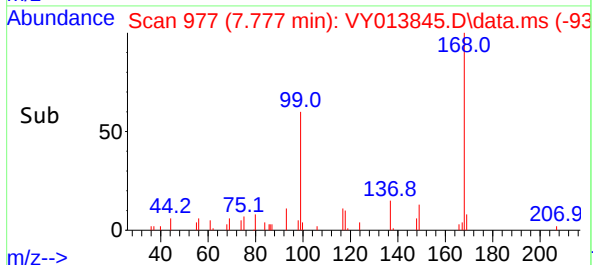
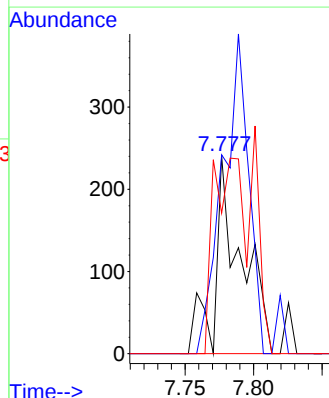
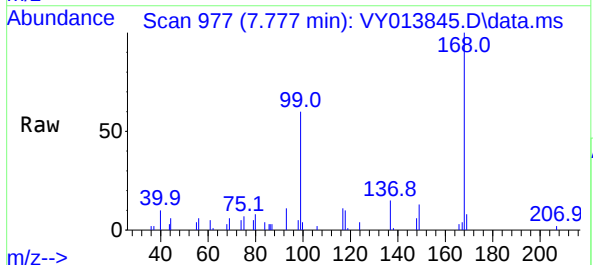
Instrument :
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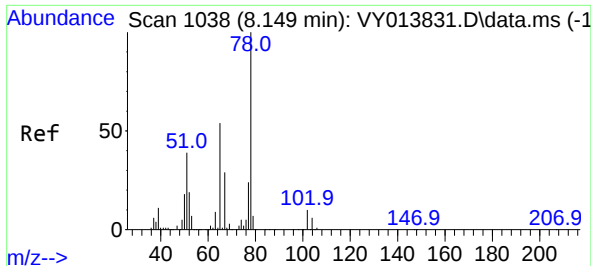
Tgt Ion:	42	Resp:	50
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.7	47.5#
71	0.0	30.6	45.8#



#31
Cyclohexane
Concen: 1.351 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.018 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

Tgt Ion:	56	Resp:	324
Ion	Ratio	Lower	Upper
56	100		
69	100.4	25.8	38.8#
84	71.0	68.2	102.2





#33

1,2-Dichloroethane-d4

Concen: 60.025 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY013845.D

Acq: 24 May 2023 14:48

Instrument :

MSVOA_Y

ClientSampleId :

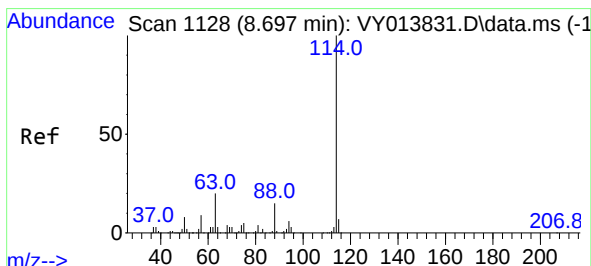
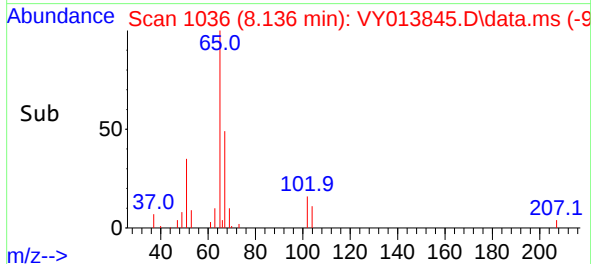
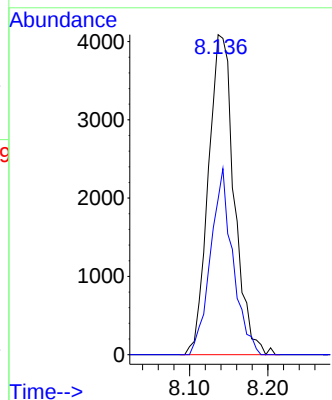
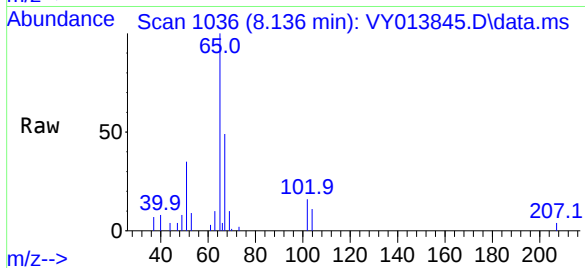
SB08

Tgt Ion: 65 Resp: 9372

Ion Ratio Lower Upper

65 100

67 50.1 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY013845.D

Acq: 24 May 2023 14:48

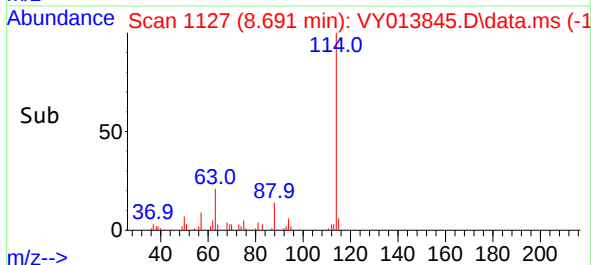
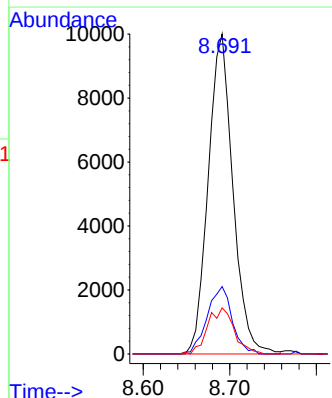
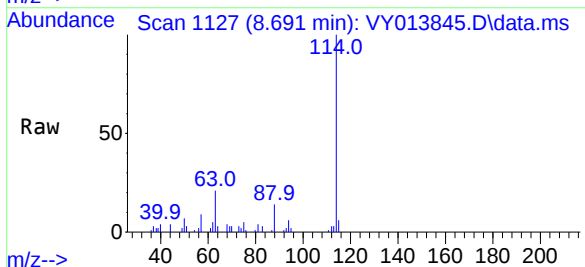
Tgt Ion: 114 Resp: 19776

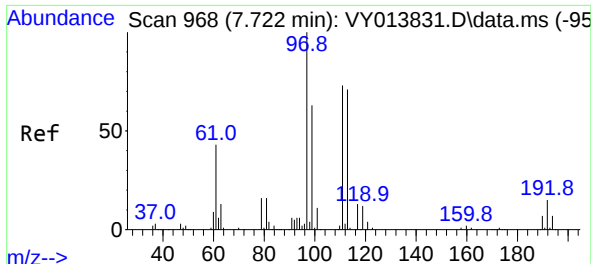
Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 14.4 0.0 30.0

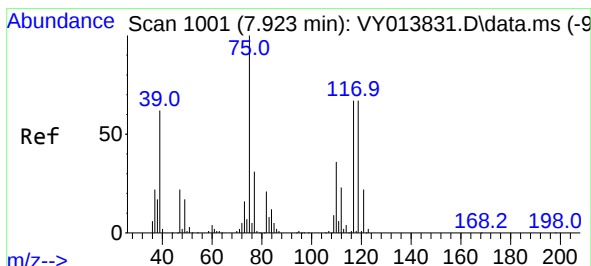
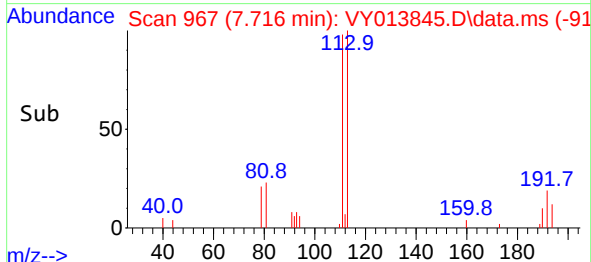
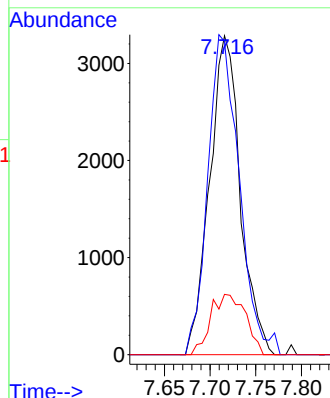
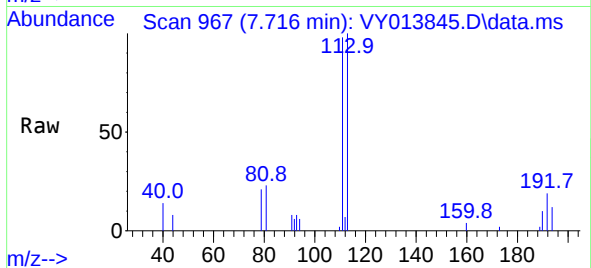




#35
Dibromofluoromethane
Concen: 60.095 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

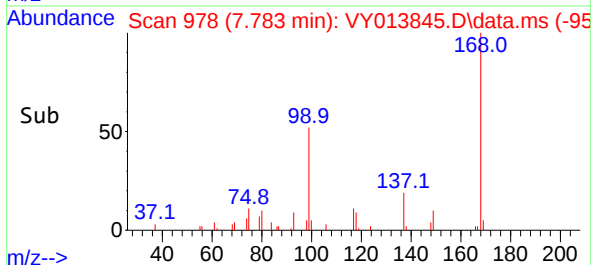
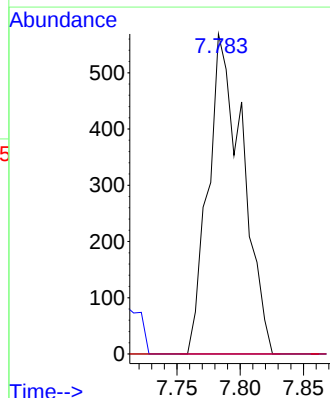
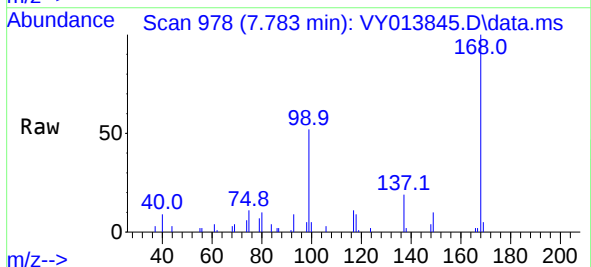
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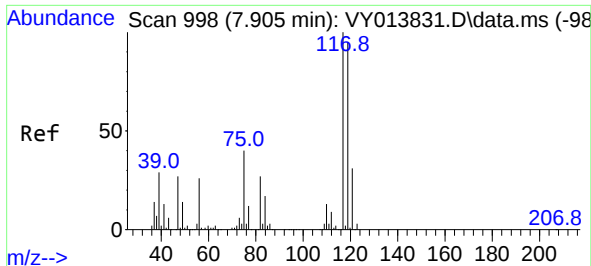
Tgt Ion:113 Resp: 7675
Ion Ratio Lower Upper
113 100
111 102.7 80.4 120.6
192 21.4 16.6 25.0



#36
1,1-Dichloropropene
Concen: 5.547 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.140 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

Tgt Ion: 75 Resp: 1079
Ion Ratio Lower Upper
75 100
110 0.0 17.5 52.6#
77 0.0 24.4 36.6#

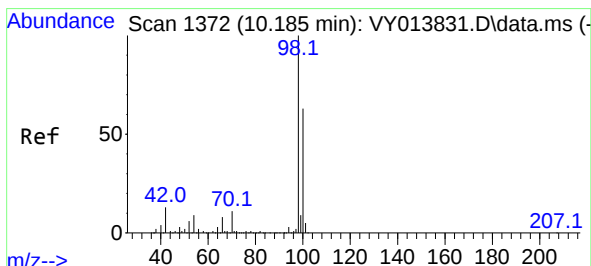
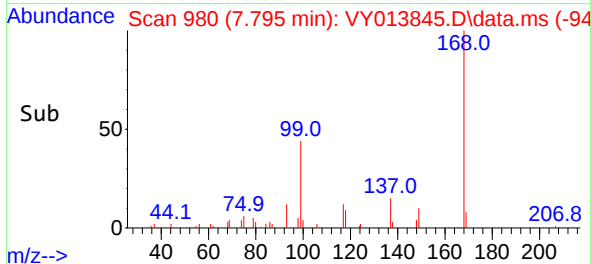
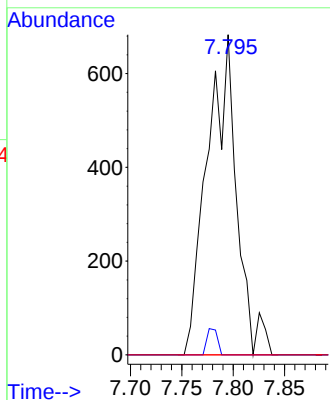
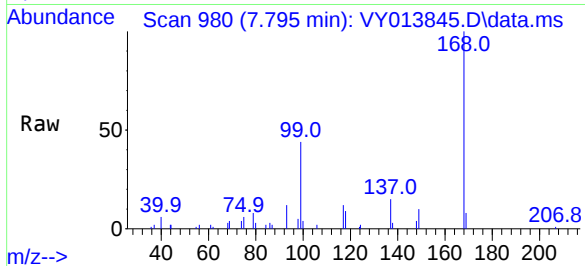




#38
Carbon Tetrachloride
Concen: 6.166 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

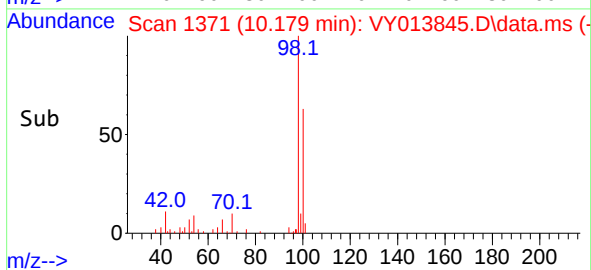
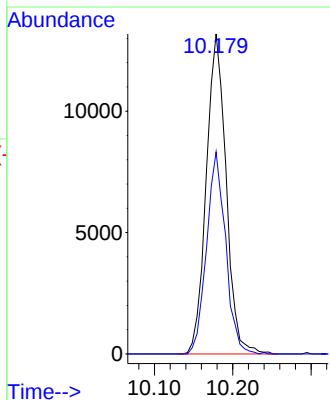
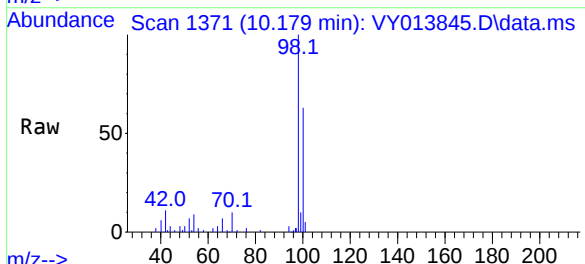
Instrument :
MSVOA_Y
ClientSampleId :
SB08

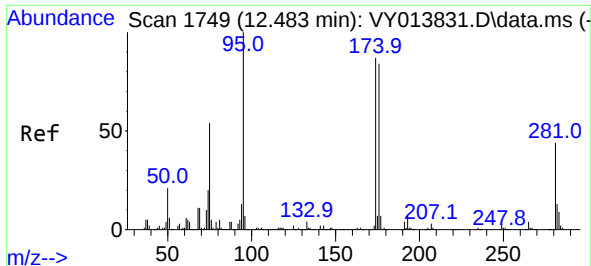
Tgt Ion:117 Resp: 1364
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.814 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

Tgt Ion: 98 Resp: 23209
Ion Ratio Lower Upper
98 100
100 60.6 50.8 76.2

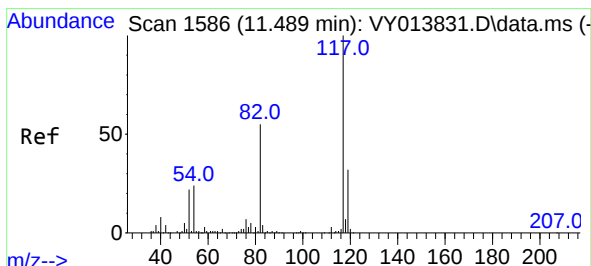
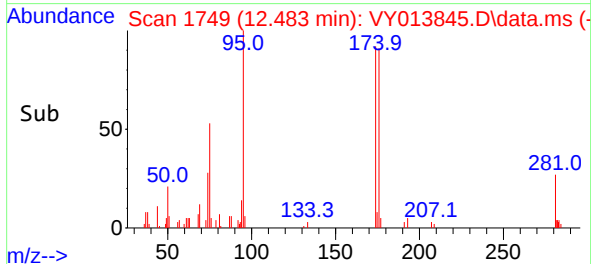
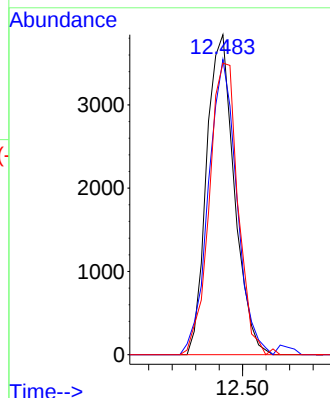
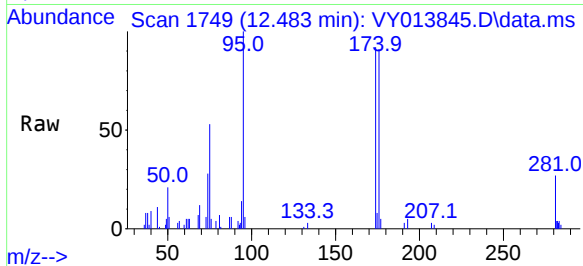




#62
4-Bromofluorobenzene
Concen: 39.058 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

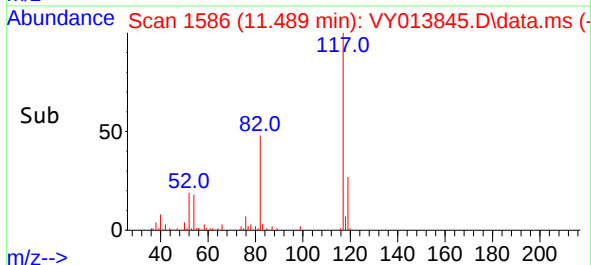
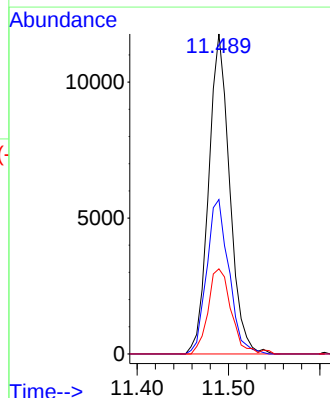
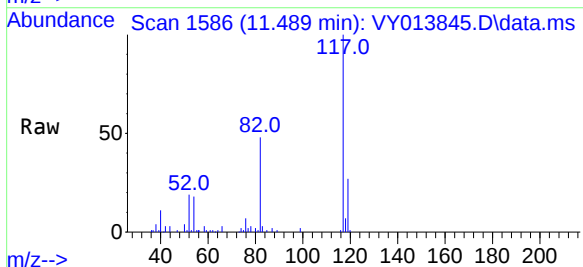
Instrument :
MSVOA_Y
ClientSampleId :
SB08

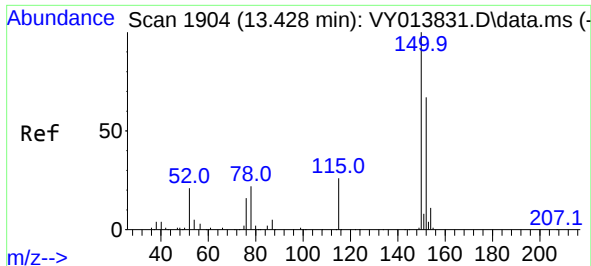
Tgt Ion:	95	Resp:	6302
Ion	Ratio	Lower	Upper
95	100		
174	94.4	0.0	176.0
176	94.4	0.0	170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

Tgt Ion:	117	Resp:	18789
Ion	Ratio	Lower	Upper
117	100		
82	48.2	44.2	66.4
119	26.6	25.7	38.5



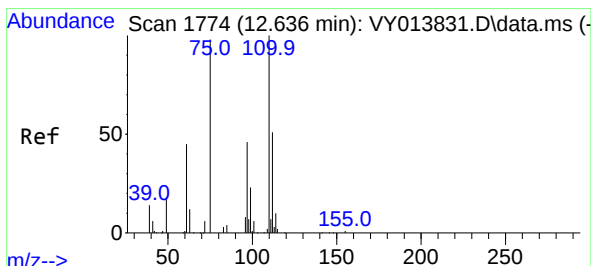
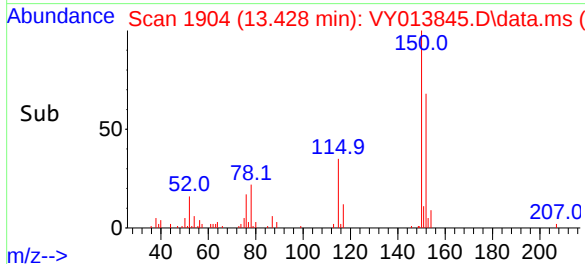
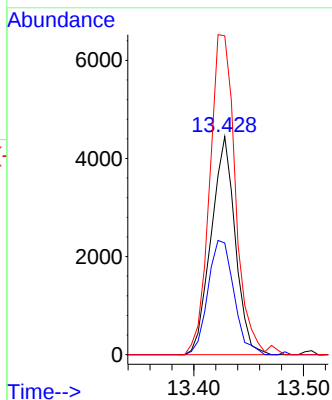
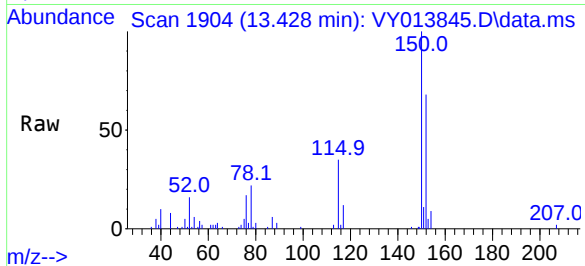


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY013845.D
 Acq: 24 May 2023 14:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB08

Tgt Ion:152 Resp: 6801

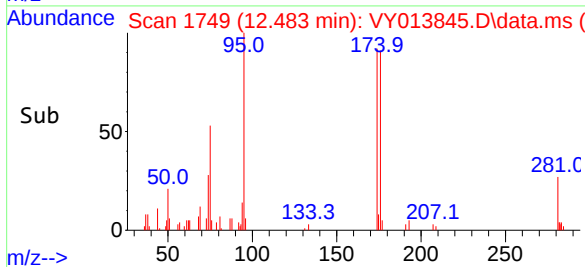
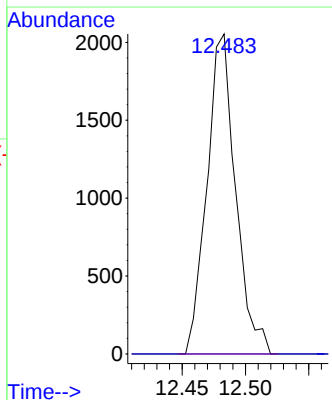
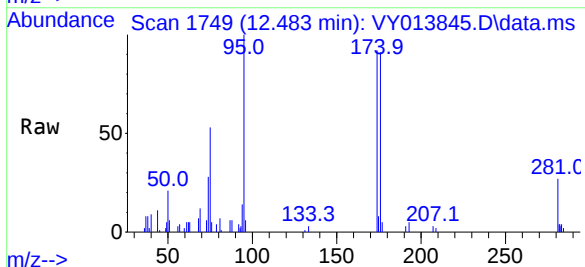
Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.8	86.5
150	157.3	0.0	353.4

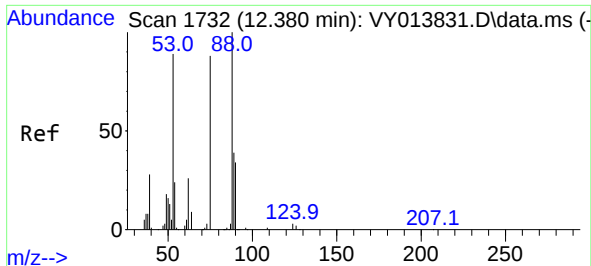


#76
 1,2,3-Trichloropropane
 Concen: 40.353 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY013845.D
 Acq: 24 May 2023 14:48

Tgt Ion: 75 Resp: 3236

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

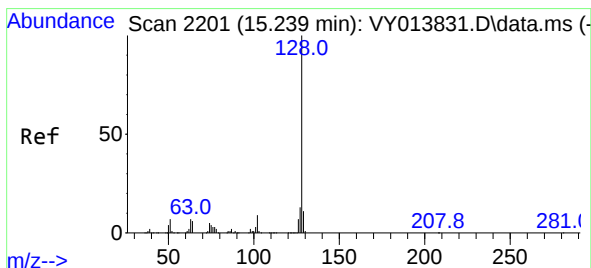
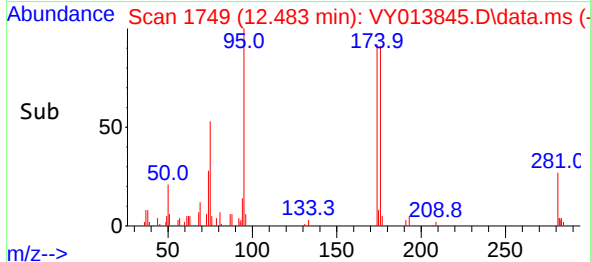
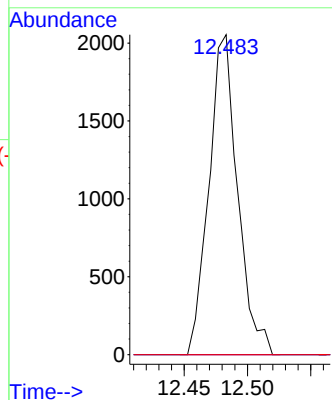
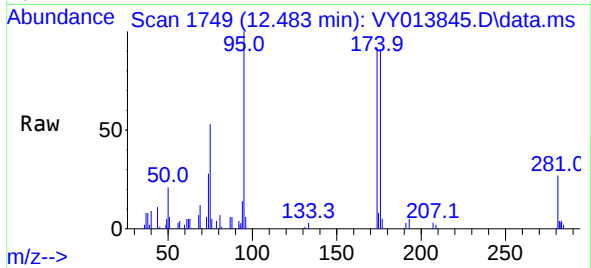




#81
trans-1,4-Dichloro-2-butene
Concen: 87.593 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

Instrument :
MSVOA_Y
ClientSampleId :
SB08

Tgt Ion: 75 Resp: 3236
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 5.350 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY013845.D
Acq: 24 May 2023 14:48

Tgt Ion: 128 Resp: 256
Ion Ratio Lower Upper
128 100
127 17.2 10.7 16.1#
129 0.0 9.0 13.4#

