

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052623\
 Data File : VY013907.D
 Acq On : 26 May 2023 20:41
 Operator : KP/MD
 Sample : 02955-11
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB21

Quant Time: May 29 04:37:38 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)

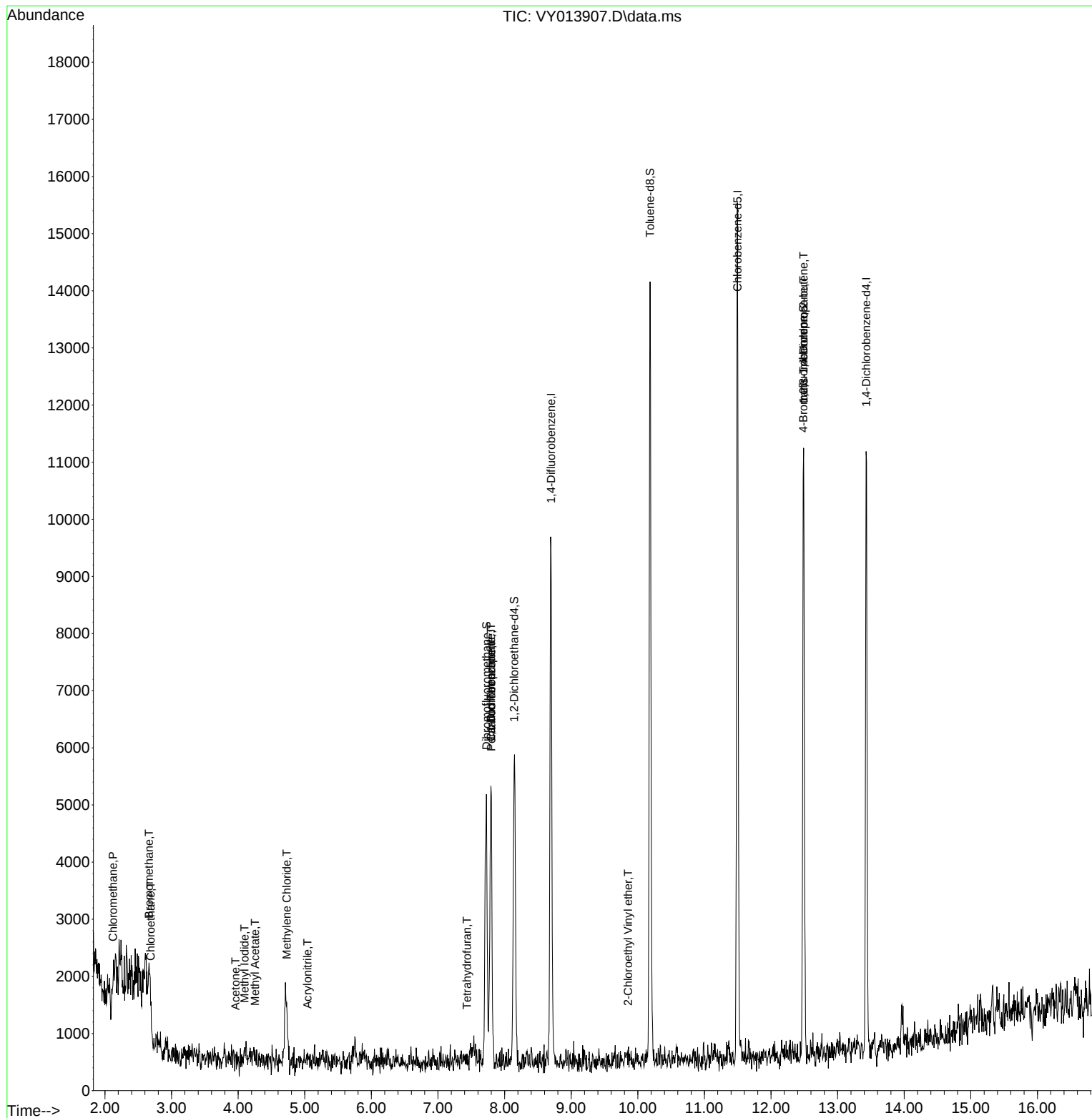
Internal Standards						
1) Pentafluorobenzene	7.801	168	4239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	8129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	8518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4658	94.982	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 189.960%#	
35) Dibromofluoromethane	7.728	113	3137	59.755	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.520%	
50) Toluene-d8	10.185	98	9504	47.633	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.260%	
62) 4-Bromofluorobenzene	12.483	95	3135	47.269	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.540%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	303	6.405	ug/l #	82
5) Bromomethane	2.662	94	321	8.350	ug/l	95
6) Chloroethane	2.686	64	58	1.840	ug/l #	43
10) Methyl Iodide	4.094	142	284	5.420	ug/l #	91
15) Acrylonitrile	5.039	53	20	1.562	ug/l #	17
16) Acetone	3.960	43	140	9.618	ug/l #	46
18) Methyl Acetate	4.253	43	67	1.327	ug/l #	54
20) Methylene Chloride	4.728	84	828	14.227	ug/l #	95
29) Tetrahydrofuran	7.435	42	19	1.792	ug/l #	36
36) 1,1-Dichloropropene	7.795	75	205	2.564	ug/l #	42
38) Carbon Tetrachloride	7.795	117	318	3.497	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.856	63	26	1.347	ug/l #	48
76) 1,2,3-Trichloropropane	12.489	75	1507	45.065	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	1507	97.823	ug/l #	10

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

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Response via : Initial Calibration

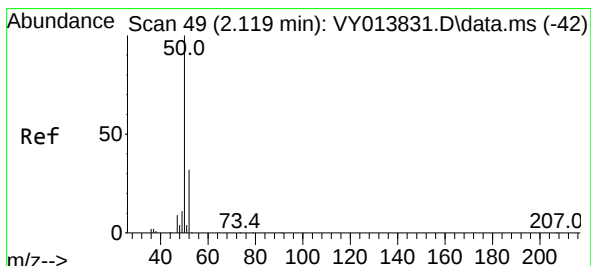
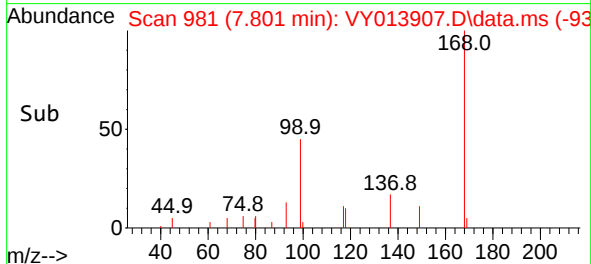
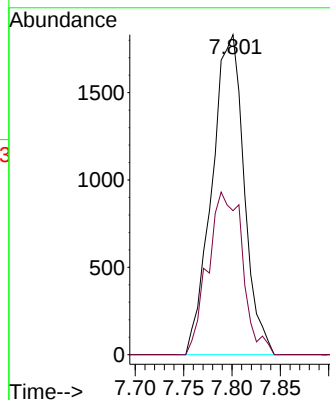
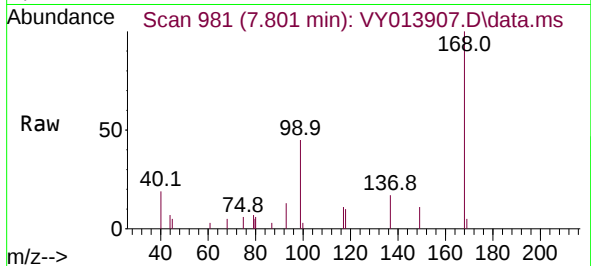




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

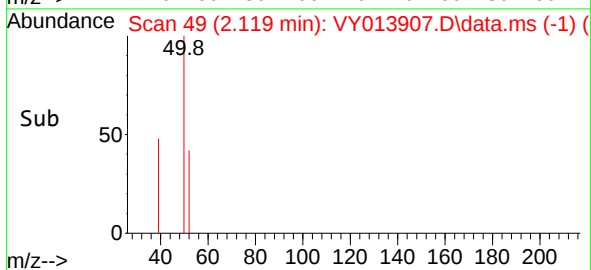
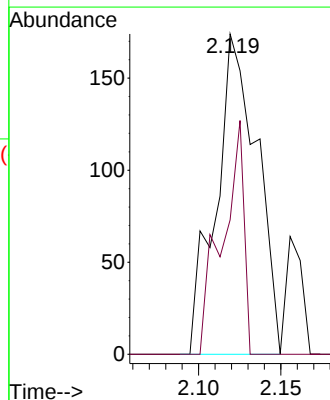
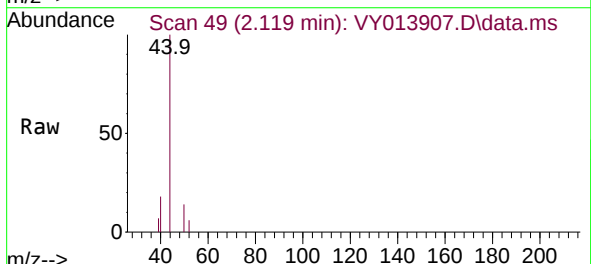
Instrument :
MSVOA_Y
ClientSampleId :
SB21

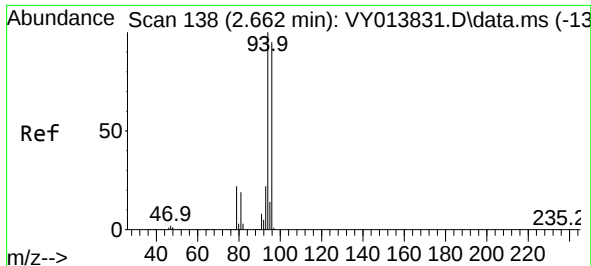
Tgt Ion:168 Resp: 4239
Ion Ratio Lower Upper
168 100
99 45.0 43.4 65.2



#3
Chloromethane
Concen: 6.405 ug/l
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

Tgt Ion: 50 Resp: 303
Ion Ratio Lower Upper
50 100
52 42.0 25.7 38.5#

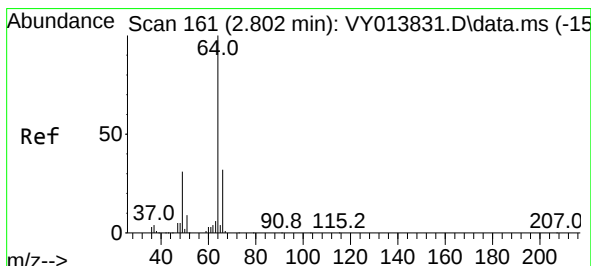
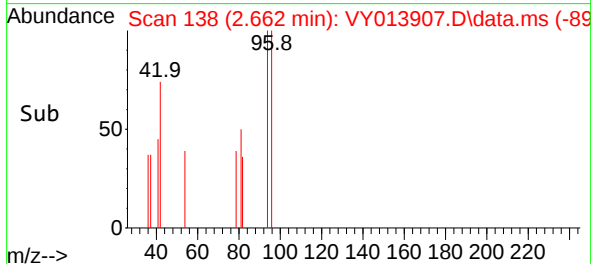
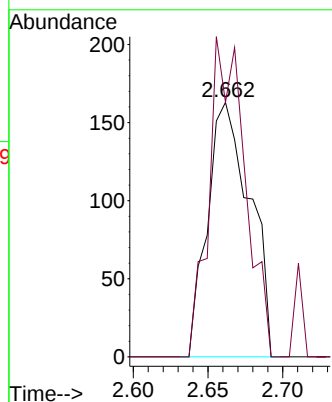
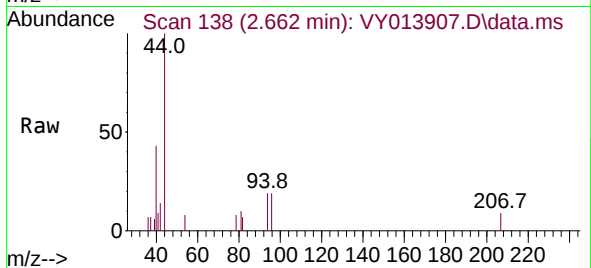




#5
Bromomethane
Concen: 8.350 ug/l
RT: 2.662 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

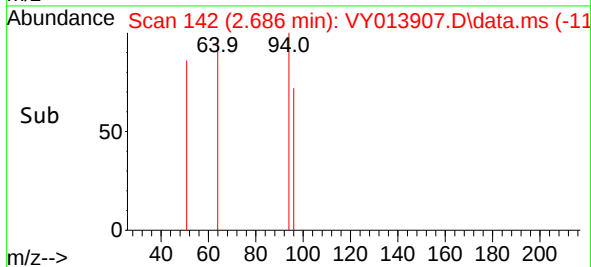
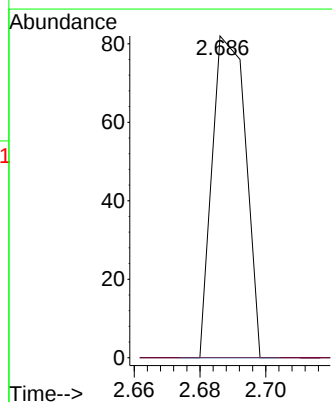
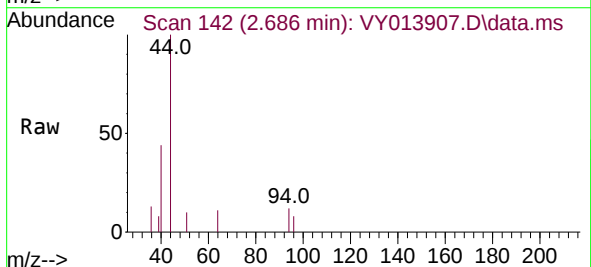
Instrument :
MSVOA_Y
ClientSampleId :
SB21

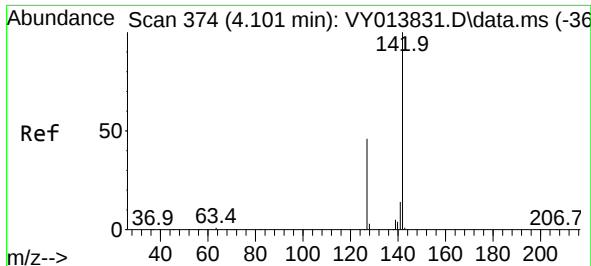
Tgt Ion: 94 Resp: 321
Ion Ratio Lower Upper
94 100
96 100.0 76.2 114.2



#6
Chloroethane
Concen: 1.840 ug/l
RT: 2.686 min Scan# 142
Delta R.T. -0.116 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 25.7 38.5#





#10

Methyl Iodide

Concen: 5.420 ug/l

RT: 4.094 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY013907.D

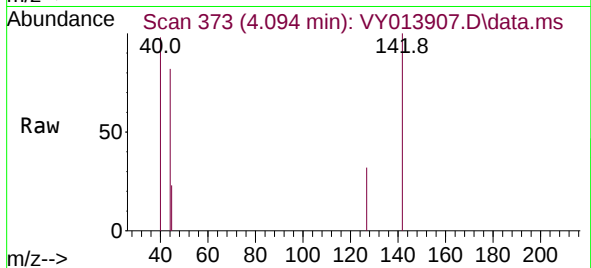
Acq: 26 May 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

SB21



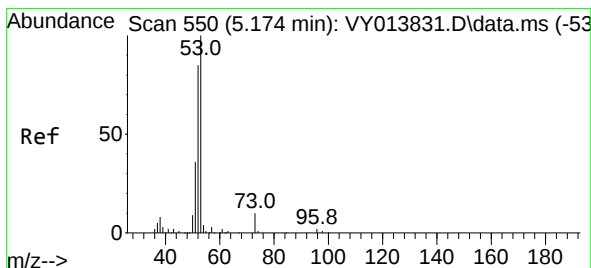
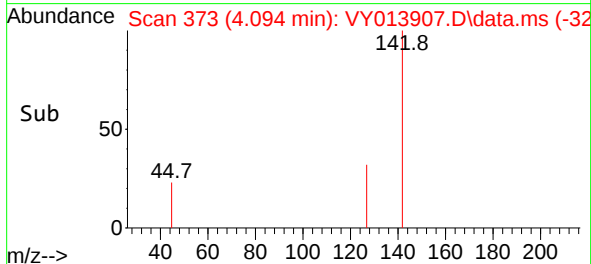
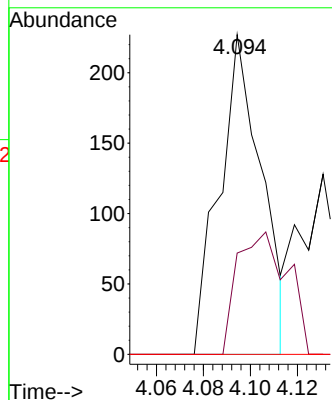
Tgt Ion:142 Resp: 284

Ion Ratio Lower Upper

142 100

127 45.4 37.0 55.4

141 0.0 11.8 17.6#



#15

Acrylonitrile

Concen: 1.562 ug/l

RT: 5.039 min Scan# 528

Delta R.T. -0.134 min

Lab File: VY013907.D

Acq: 26 May 2023 20:41

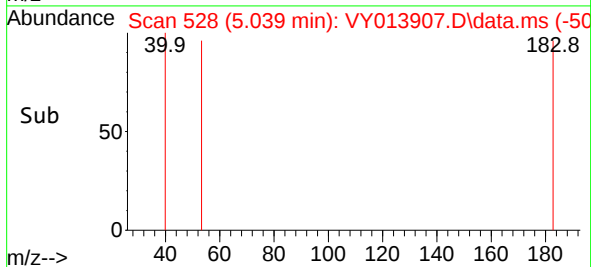
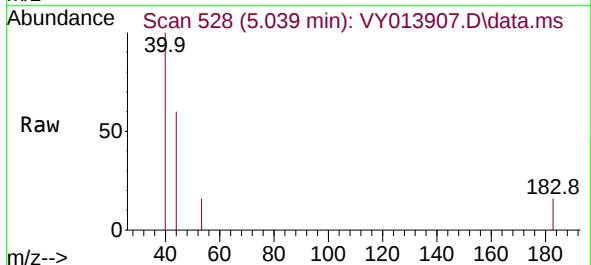
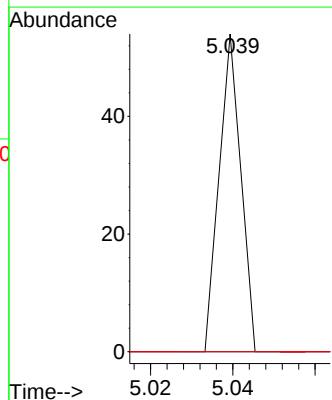
Tgt Ion: 53 Resp: 20

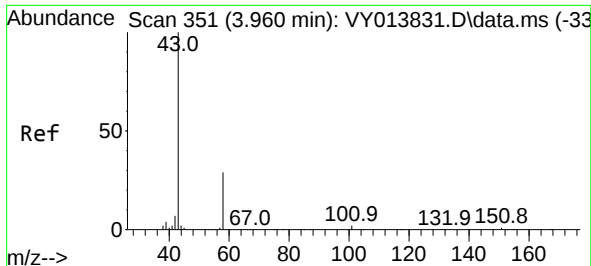
Ion Ratio Lower Upper

53 100

52 0.0 67.2 100.8#

51 0.0 30.2 45.2#





#16

Acetone

Concen: 9.618 ug/l

RT: 3.960 min Scan# 31

Delta R.T. -0.000 min

Lab File: VY013907.D

Acq: 26 May 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

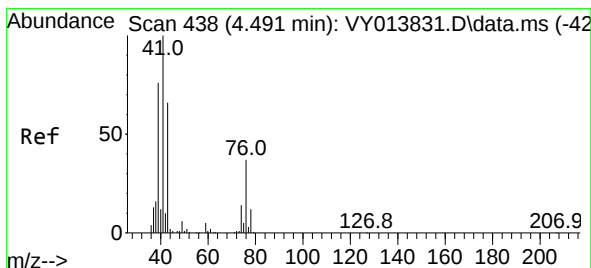
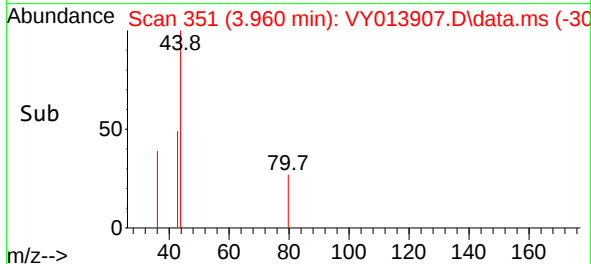
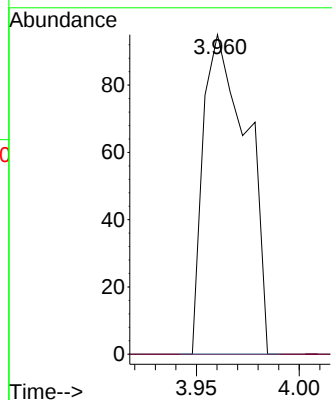
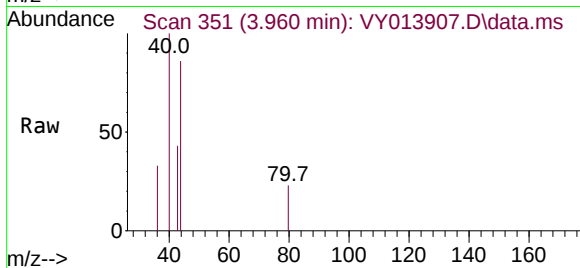
SB21

Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

58 0.0 23.3 34.9#



#18

Methyl Acetate

Concen: 1.327 ug/l

RT: 4.253 min Scan# 399

Delta R.T. -0.238 min

Lab File: VY013907.D

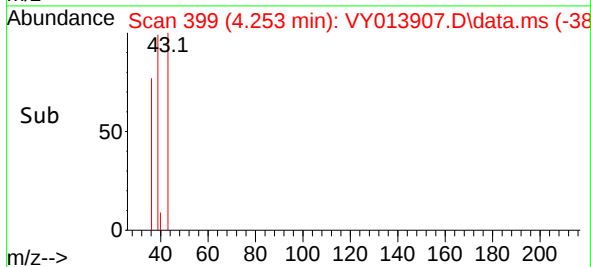
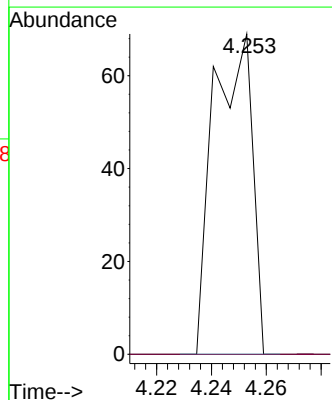
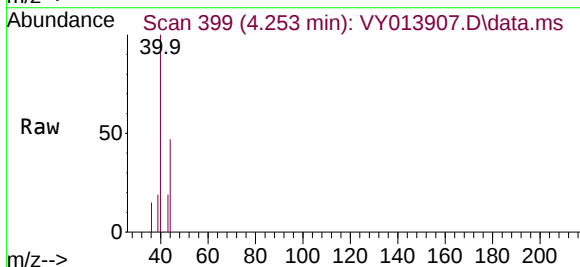
Acq: 26 May 2023 20:41

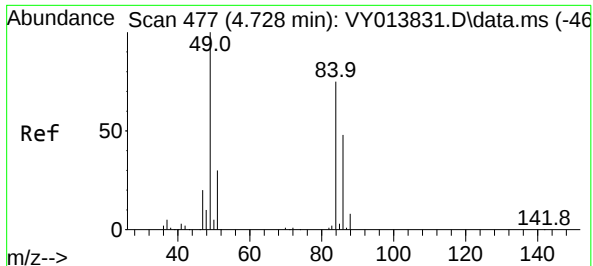
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#

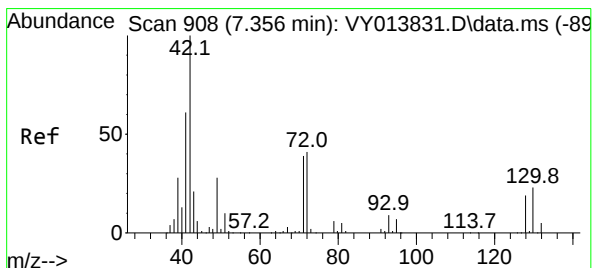
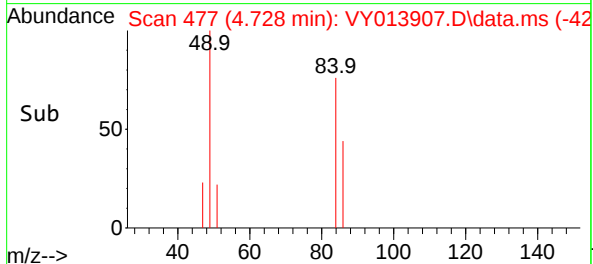
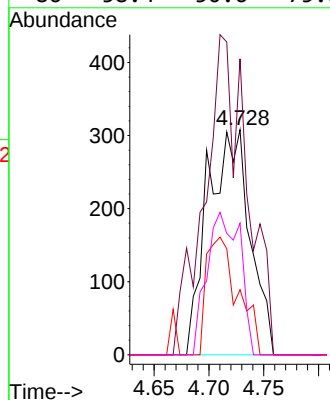
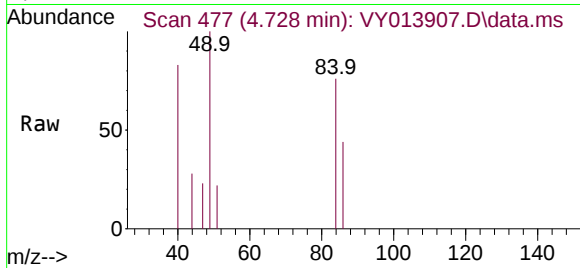




#20
Methylene Chloride
Concen: 14.227 ug/l
RT: 4.728 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

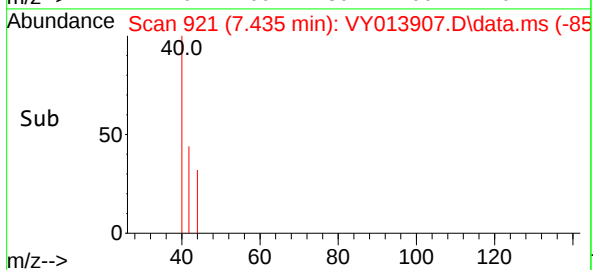
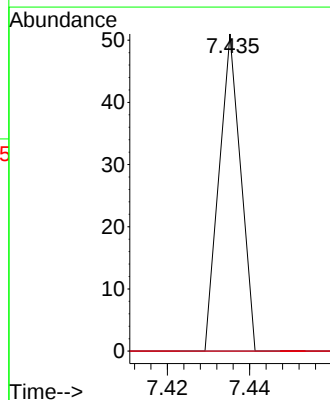
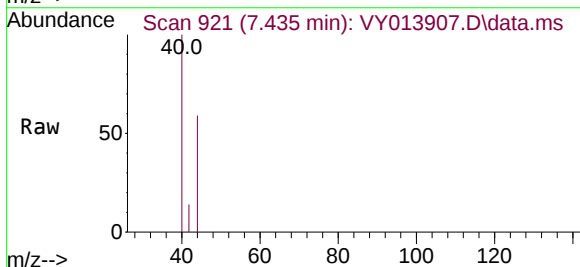
Instrument :
MSVOA_Y
ClientSampleId :
SB21

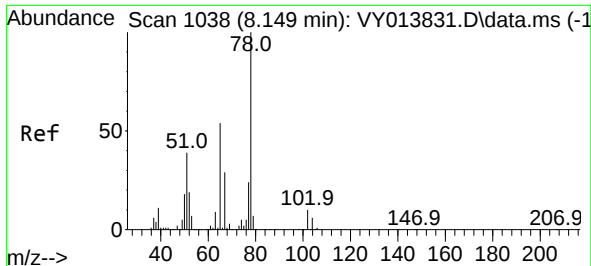
Tgt Ion:	84	Resp:	828
Ion	Ratio	Lower	Upper
84	100		
49	131.5	106.2	159.2
51	28.9	31.4	47.0#
86	58.4	50.6	75.8



#29
Tetrahydrofuran
Concen: 1.792 ug/l
RT: 7.435 min Scan# 921
Delta R.T. 0.079 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

Tgt Ion:	42	Resp:	19
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.7	47.5#
71	0.0	30.6	45.8#





#33

1,2-Dichloroethane-d4

Concen: 94.982 ug/l

RT: 8.142 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY013907.D

Acq: 26 May 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

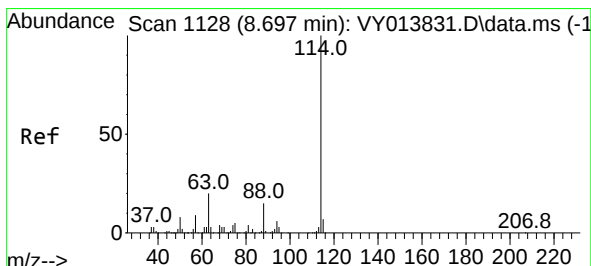
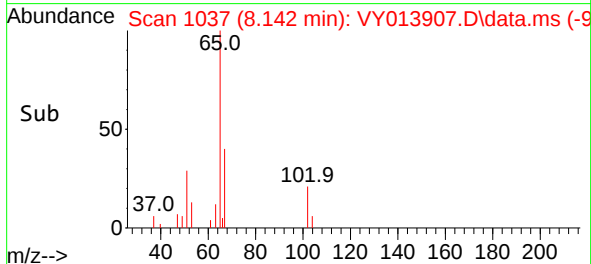
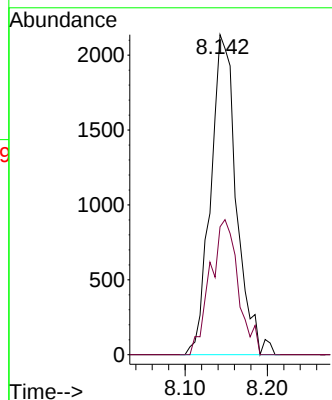
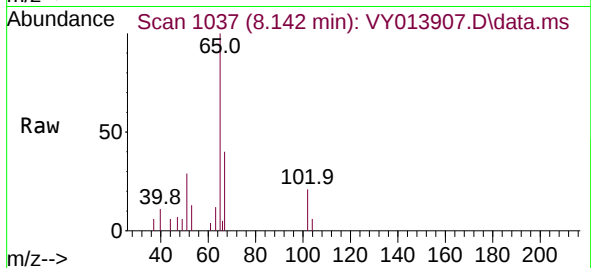
SB21

Tgt Ion: 65 Resp: 4658

Ion Ratio Lower Upper

65 100

67 45.9 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY013907.D

Acq: 26 May 2023 20:41

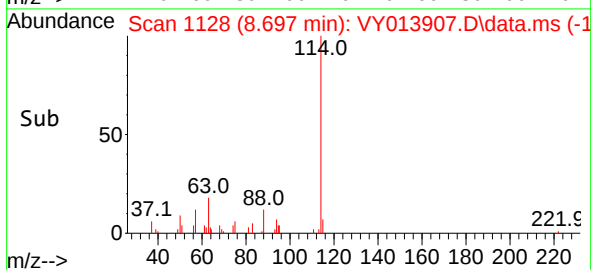
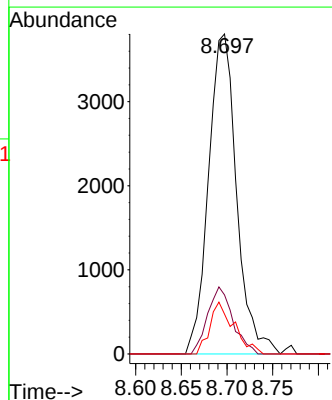
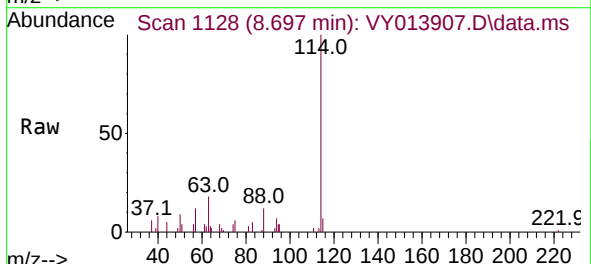
Tgt Ion:114 Resp: 8129

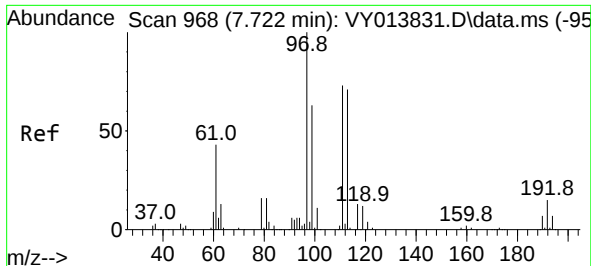
Ion Ratio Lower Upper

114 100

63 18.4 0.0 40.2

88 12.4 0.0 30.0

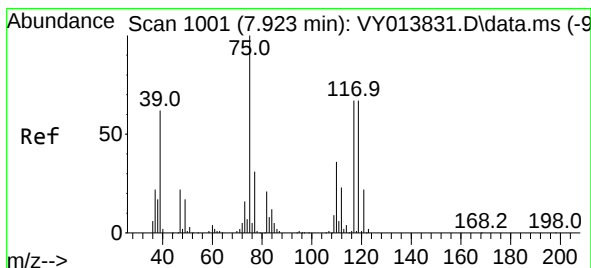
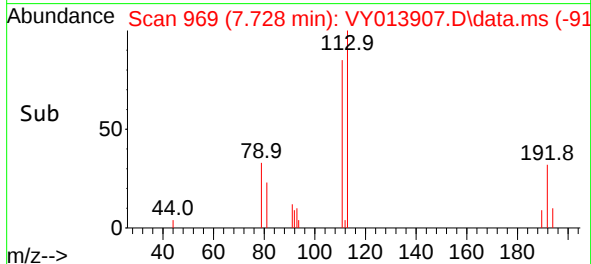
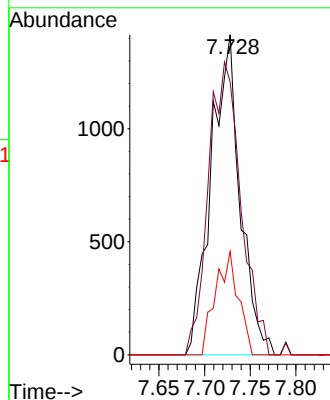
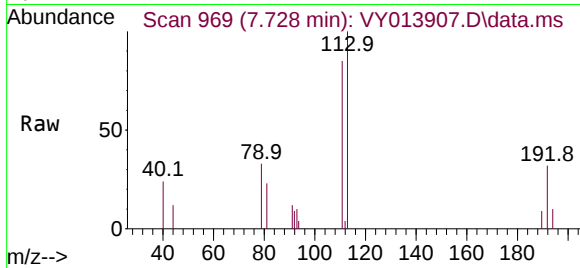




#35
Dibromofluoromethane
Concen: 59.755 ug/l
RT: 7.728 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

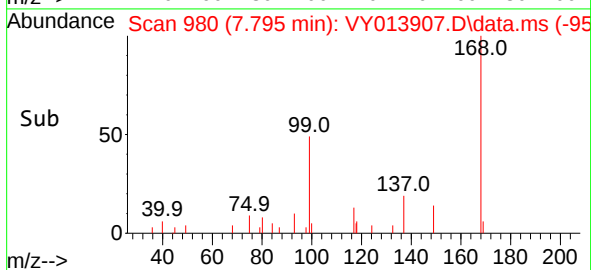
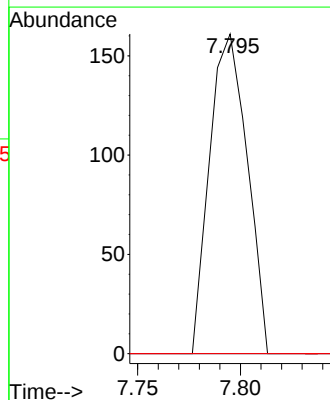
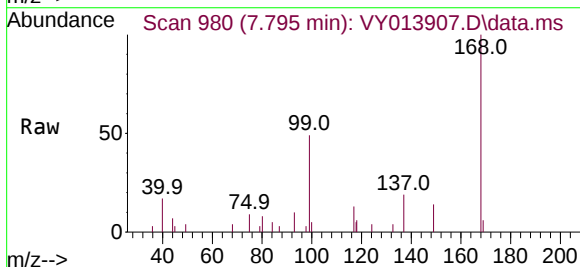
Instrument :
MSVOA_Y
ClientSampleId :
SB21

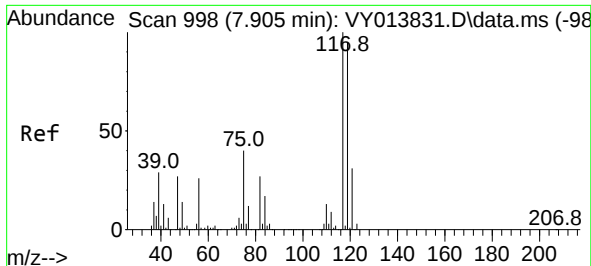
Tgt Ion:113 Resp: 3137
Ion Ratio Lower Upper
113 100
111 102.6 80.4 120.6
192 25.2 16.6 25.0#



#36
1,1-Dichloropropene
Concen: 2.564 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

Tgt Ion: 75 Resp: 205
Ion Ratio Lower Upper
75 100
110 0.0 17.5 52.6#
77 0.0 24.4 36.6#

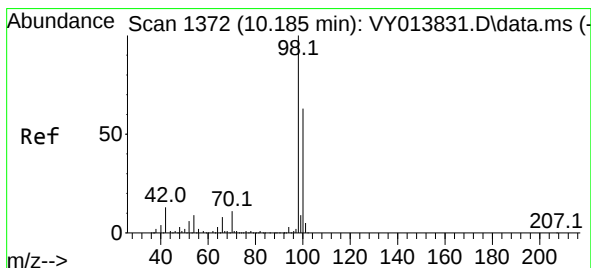
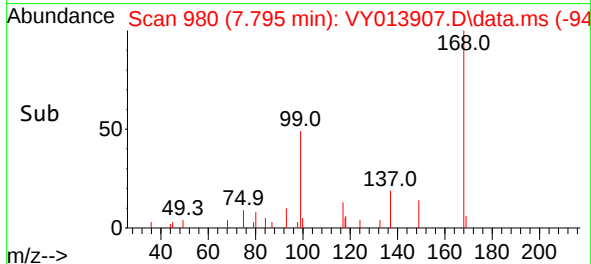
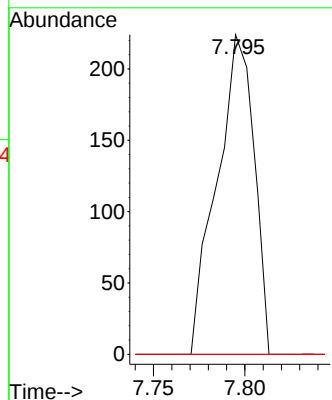
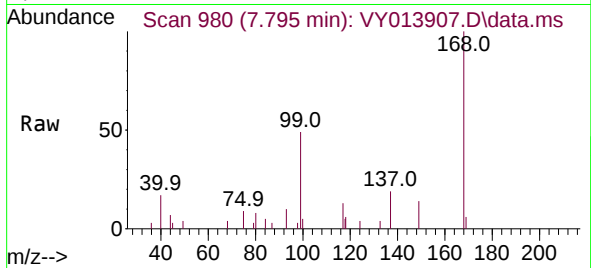




#38
Carbon Tetrachloride
Concen: 3.497 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

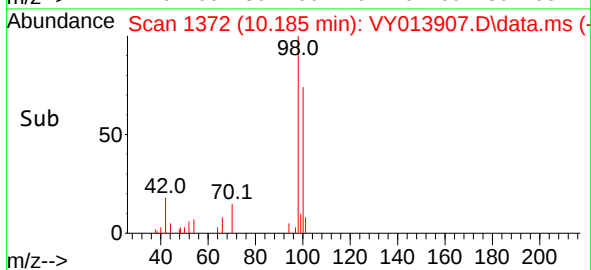
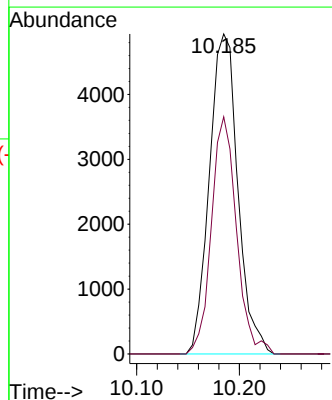
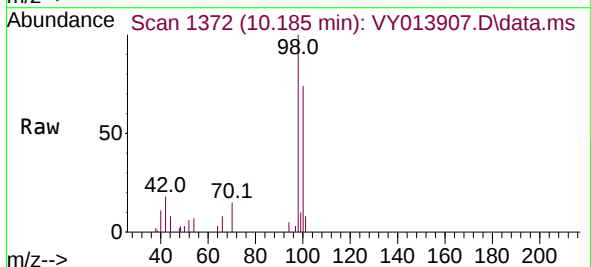
Instrument :
MSVOA_Y
ClientSampleId :
SB21

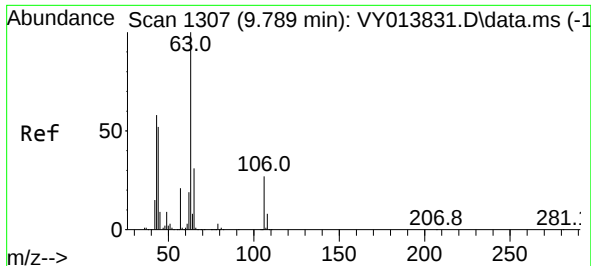
Tgt Ion: 117 Resp: 318
Ion Ratio Lower Upper
117 100
119 0.0 75.6 113.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.633 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

Tgt Ion: 98 Resp: 9504
Ion Ratio Lower Upper
98 100
100 65.3 50.8 76.2

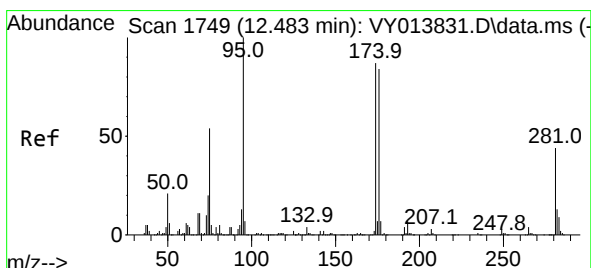
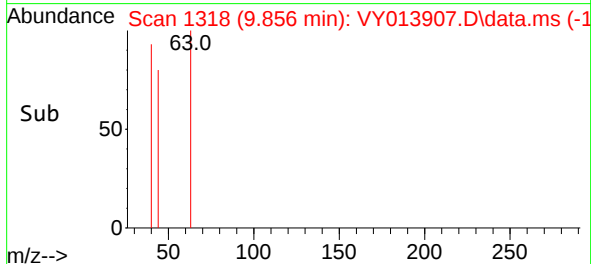
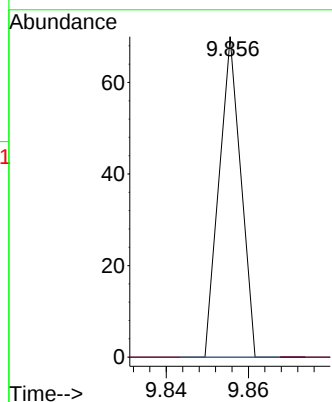
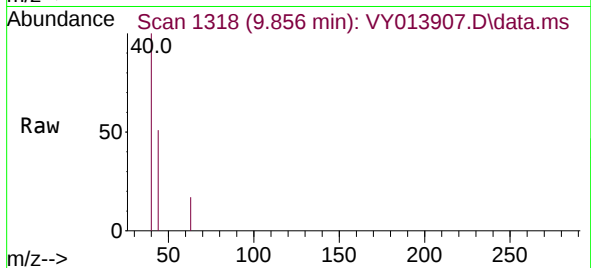




#58
2-Chloroethyl Vinyl ether
Concen: 1.347 ug/l
RT: 9.856 min Scan# 11
Delta R.T. 0.067 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

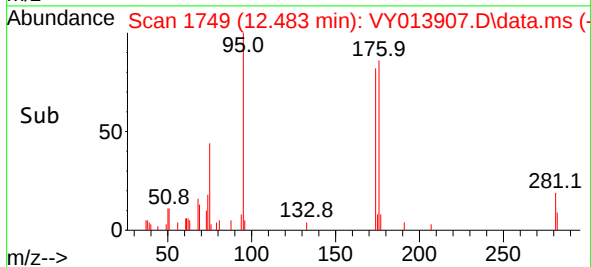
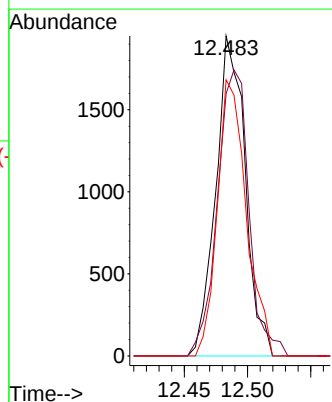
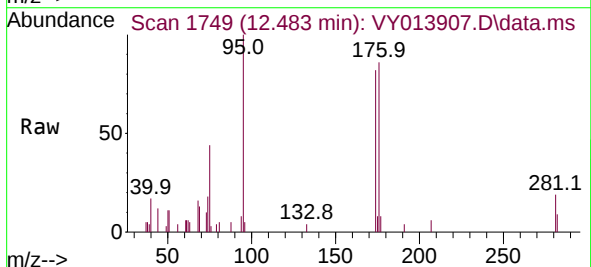
Instrument :
MSVOA_Y
ClientSampleId :
SB21

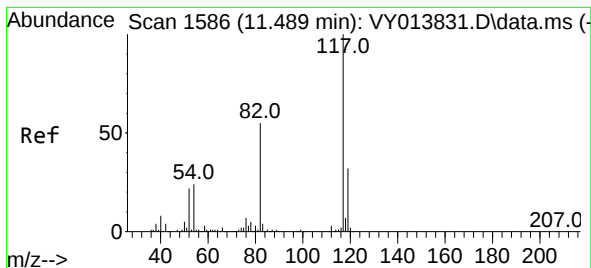
Tgt Ion: 63 Resp: 26
Ion Ratio Lower Upper
63 100
106 0.0 21.3 31.9#



#62
4-Bromofluorobenzene
Concen: 47.269 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

Tgt Ion: 95 Resp: 3135
Ion Ratio Lower Upper
95 100
174 96.2 0.0 176.0
176 85.2 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY013907.D

Acq: 26 May 2023 20:41

Instrument :

MSVOA_Y

ClientSampleId :

SB21

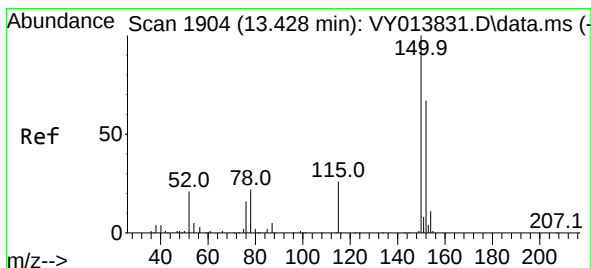
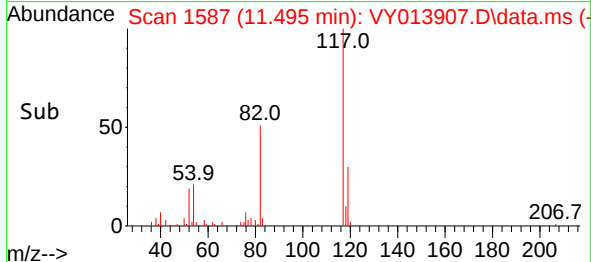
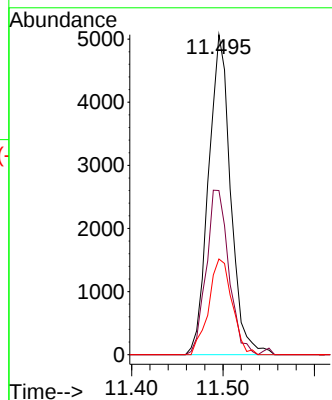
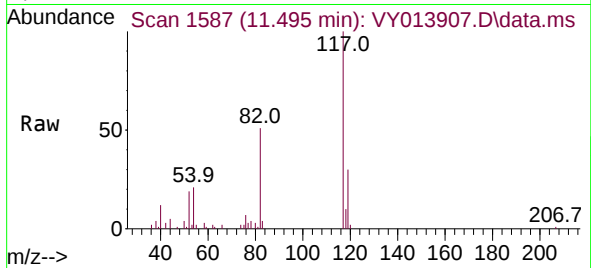
Tgt Ion:117 Resp: 8518

Ion Ratio Lower Upper

117 100

82 51.3 44.2 66.4

119 29.9 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: VY013907.D

Acq: 26 May 2023 20:41

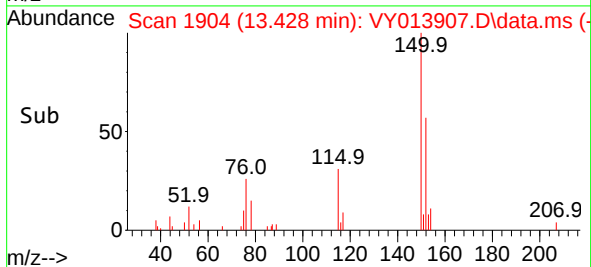
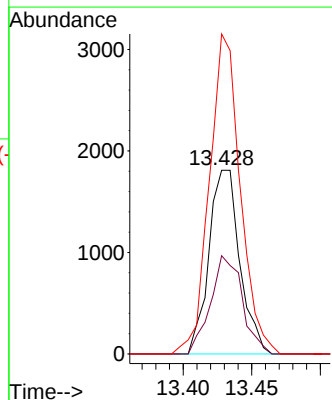
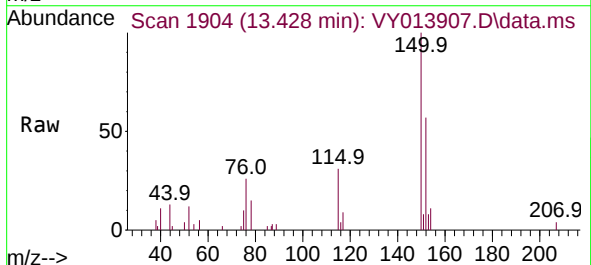
Tgt Ion:152 Resp: 2836

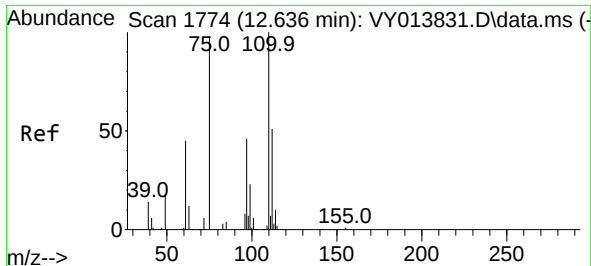
Ion Ratio Lower Upper

152 100

115 54.8 28.8 86.5

150 174.0 0.0 353.4

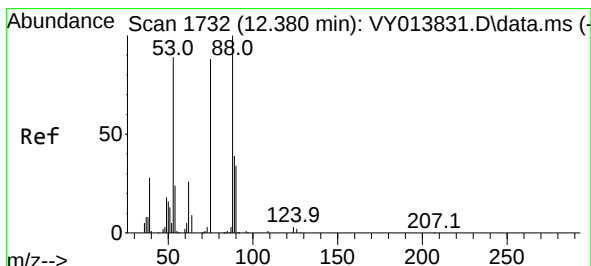
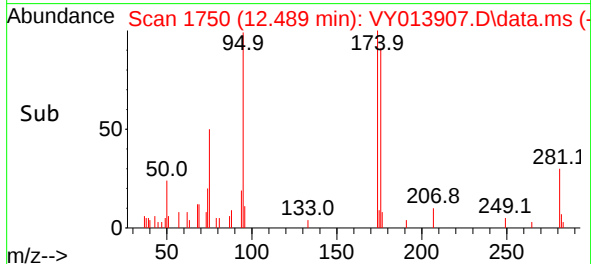
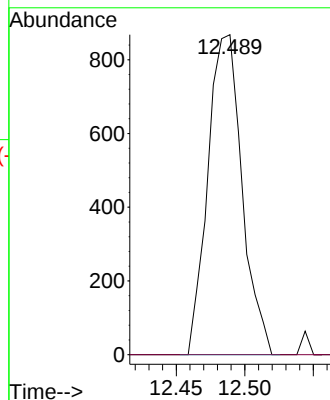
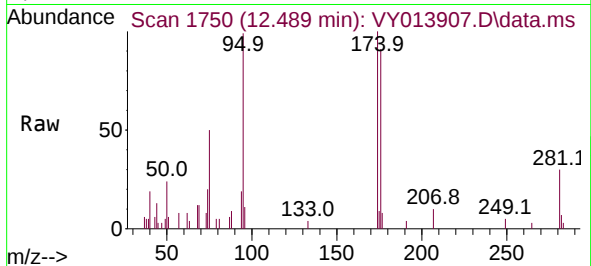




#76
1,2,3-Trichloropropane
Concen: 45.065 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

Instrument :
MSVOA_Y
ClientSampleId :
SB21

Tgt Ion: 75 Resp: 1507
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 97.823 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY013907.D
Acq: 26 May 2023 20:41

Tgt Ion: 75 Resp: 1507
Ion Ratio Lower Upper
75 100
53 0.0 79.7 119.5#
89 0.0 36.4 54.6#

