

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013409.D
 Acq On : 24 Apr 2023 18:37
 Operator : KP/MD
 Sample : 02371-07
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-21-8.5-9.0

Quant Time: Apr 25 03:16:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

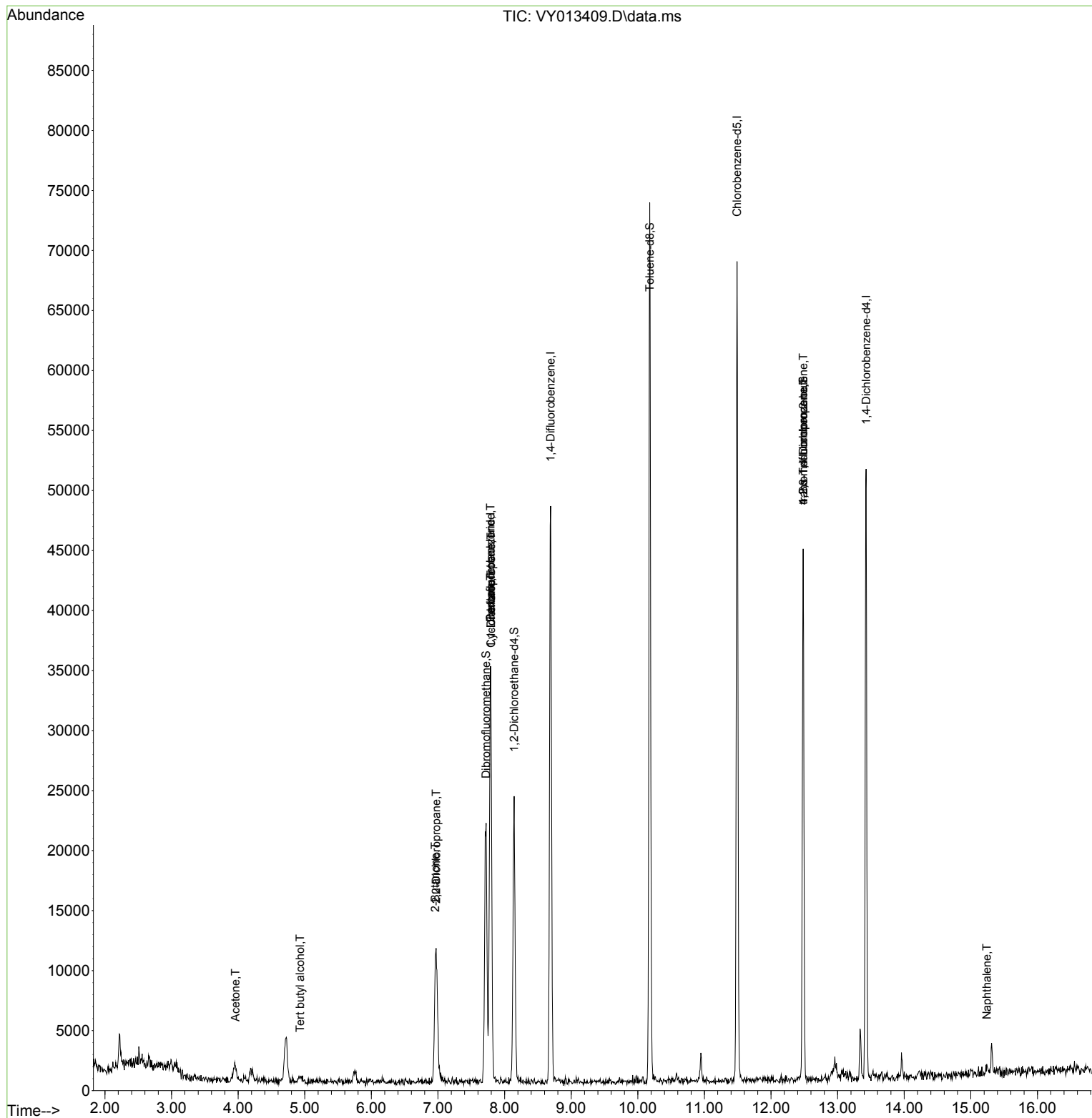
Internal Standards						
1) Pentafluorobenzene	7.789	168	27068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	40633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	36005	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	13220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	18452	62.185	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.380%	
35) Dibromofluoromethane	7.721	113	15533	60.780	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.560%	
50) Toluene-d8	10.178	98	48249	53.071	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.140%	
62) 4-Bromofluorobenzene	12.483	95	12829	41.857	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.720%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.929	59	264	8.529	ug/l #	89
13) Acrolein	3.649	56	20	Below Cal	#	16
16) Acetone	3.960	43	2803	23.987	ug/l	91
20) Methylene Chloride	4.722	84	2833	Below Cal	#	84
25) 2-Butanone	6.959	43	633	4.271	ug/l #	47
26) 2,2-Dichloropropane	6.972	77	846	1.727	ug/l #	52
31) Cyclohexane	7.795	56	716	1.348	ug/l #	33
36) 1,1-Dichloropropene	7.795	75	2139	5.043	ug/l #	46
38) Carbon Tetrachloride	7.789	117	2578	5.799	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	6677	37.451	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6677	76.607	ug/l #	12
95) Naphthalene	15.238	128	668	1.239	ug/l #	85

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

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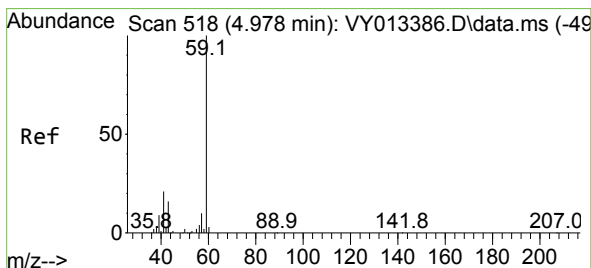
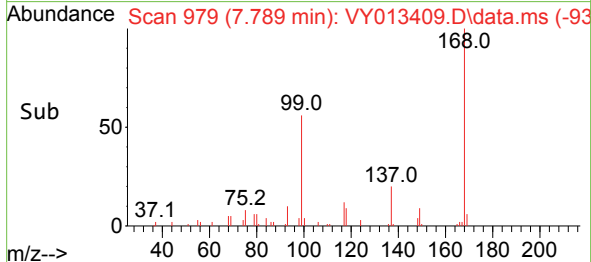
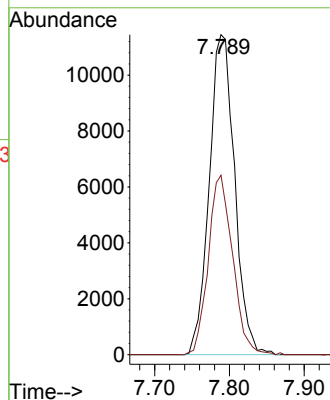
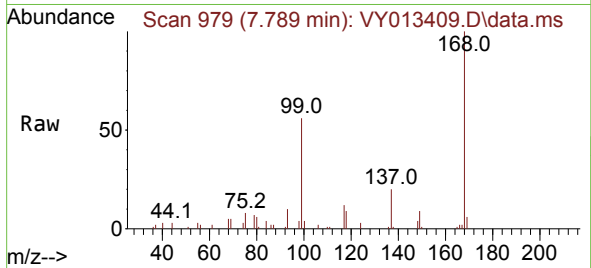




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

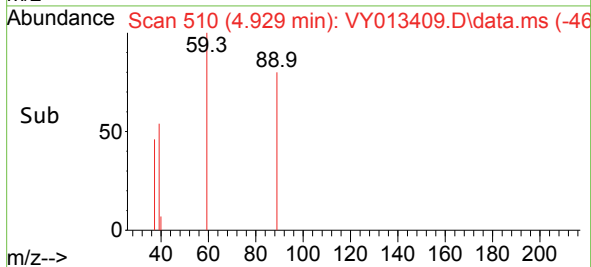
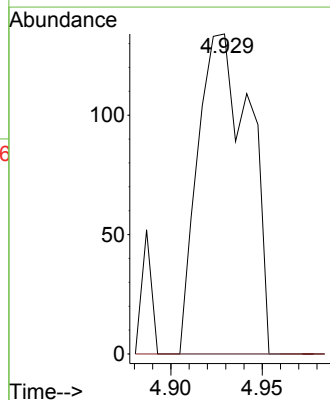
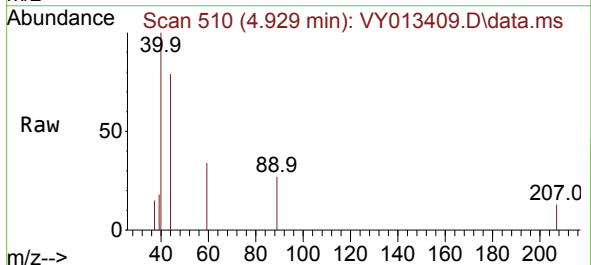
Instrument :
MSVOA_Y
ClientSampleId :
SB-21-8.5-9.0

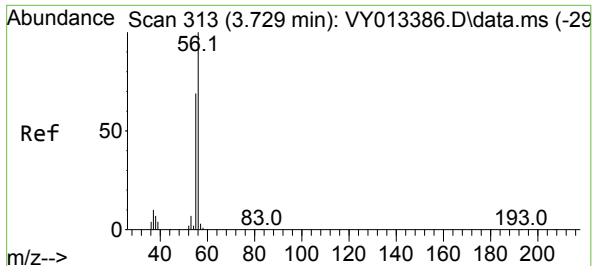
Tgt Ion:168 Resp: 27068
Ion Ratio Lower Upper
168 100
99 56.1 41.8 62.6



#11
Tert butyl alcohol
Concen: 8.529 ug/l
RT: 4.929 min Scan# 510
Delta R.T. -0.049 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: Below Cal

RT: 3.649 min Scan# 30

Delta R.T. -0.080 min

Lab File: VY013409.D

Acq: 24 Apr 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

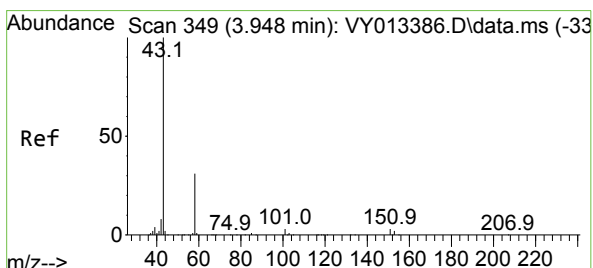
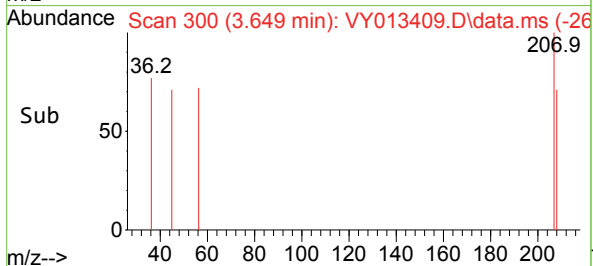
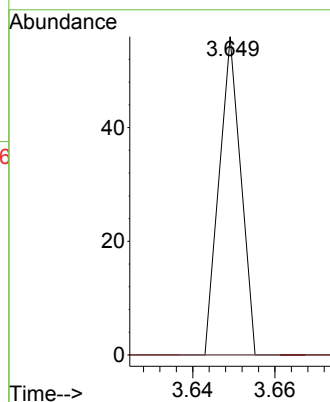
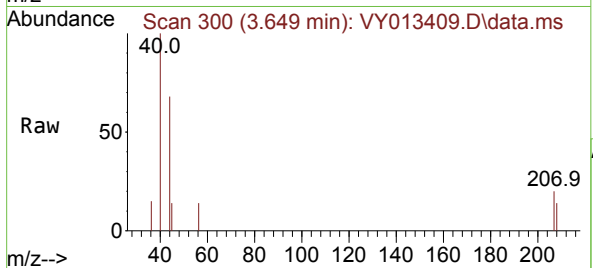
SB-21-8.5-9.0

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 54.1 81.1#



#16

Acetone

Concen: 23.987 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY013409.D

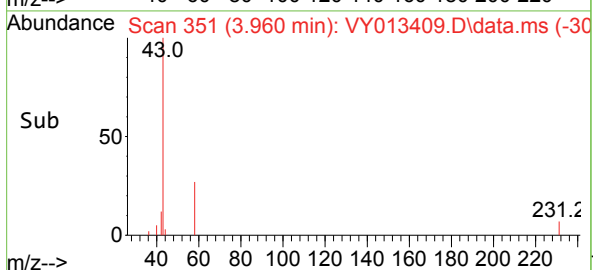
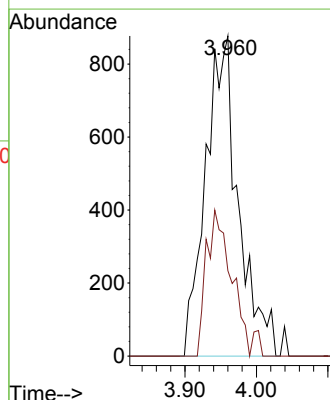
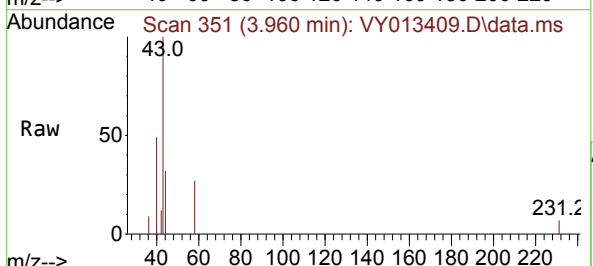
Acq: 24 Apr 2023 18:37

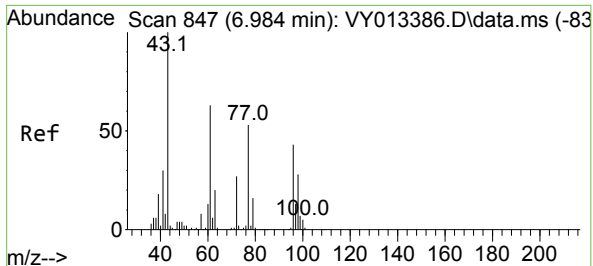
Tgt Ion: 43 Resp: 2803

Ion Ratio Lower Upper

43 100

58 26.7 25.4 38.0





#25

2-Butanone

Concen: 4.271 ug/l

RT: 6.959 min Scan# 84

Delta R.T. -0.025 min

Lab File: VY013409.D

Acq: 24 Apr 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

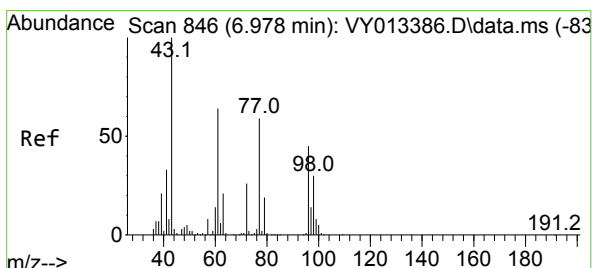
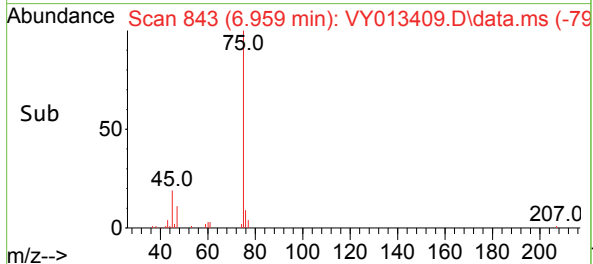
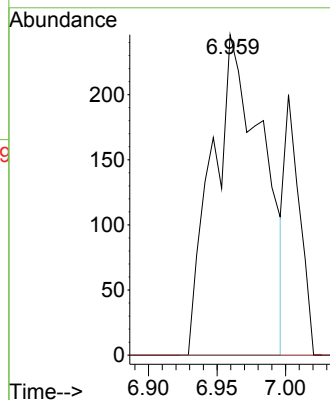
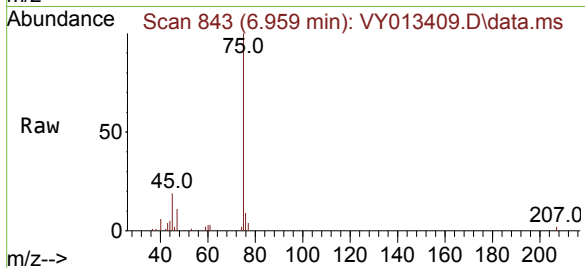
SB-21-8.5-9.0

Tgt Ion: 43 Resp: 633

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



#26

2,2-Dichloropropane

Concen: 1.727 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY013409.D

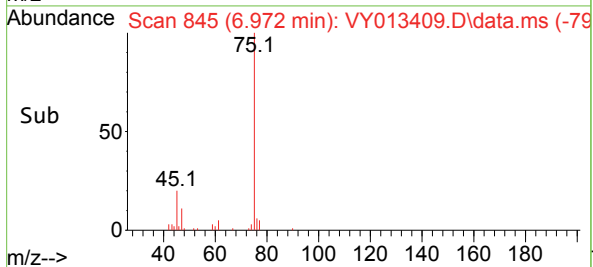
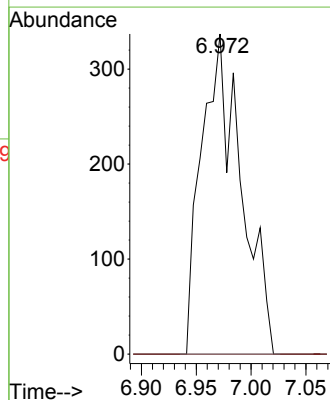
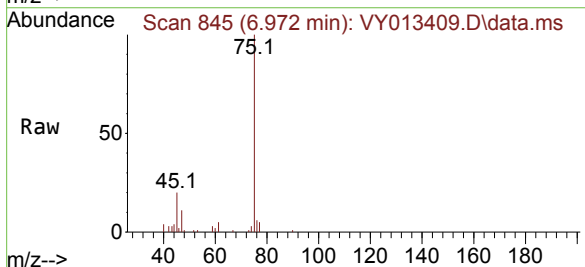
Acq: 24 Apr 2023 18:37

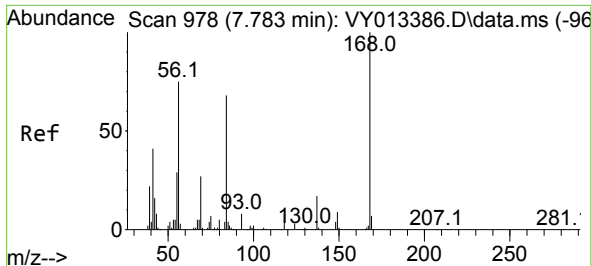
Tgt Ion: 77 Resp: 846

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#

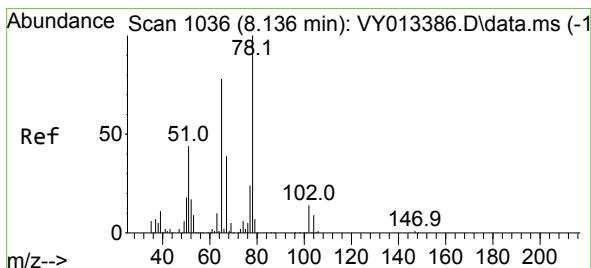
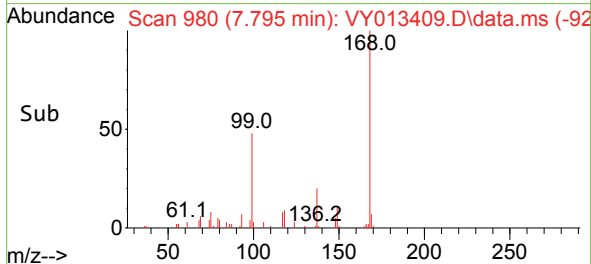
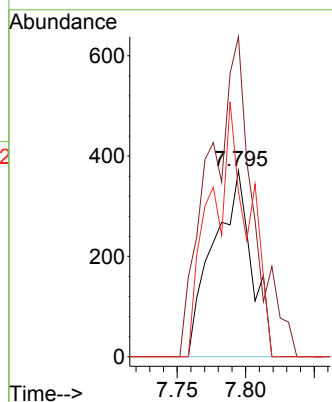
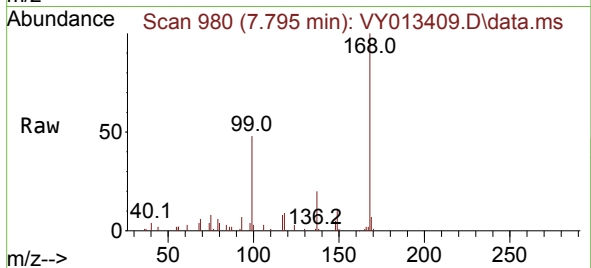




#31
Cyclohexane
Concen: 1.348 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

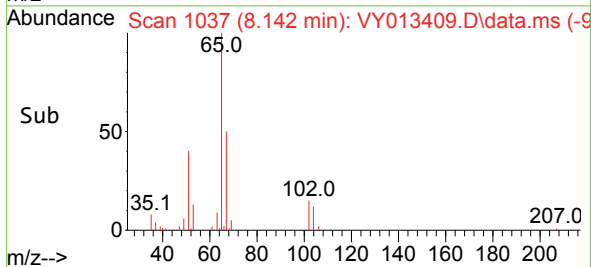
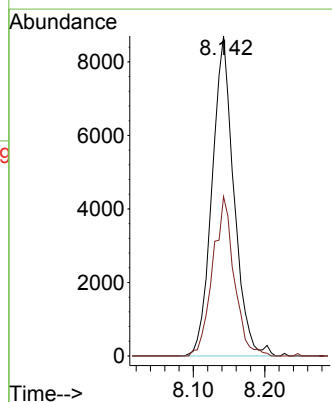
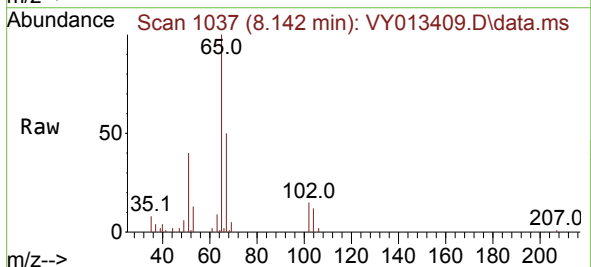
Instrument :
MSVOA_Y
ClientSampleId :
SB-21-8.5-9.0

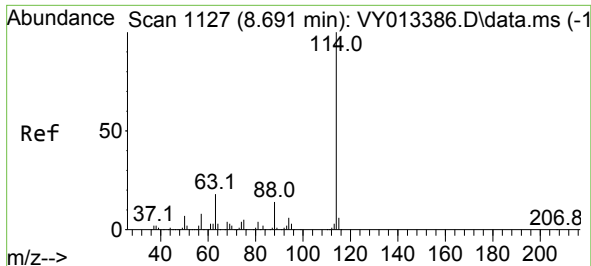
Tgt Ion: 56 Resp: 716
Ion Ratio Lower Upper
56 100
69 172.0 29.2 43.8#
84 88.7 73.0 109.6



#33
1,2-Dichloroethane-d4
Concen: 62.185 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

Tgt Ion: 65 Resp: 18452
Ion Ratio Lower Upper
65 100
67 49.2 0.0 103.4

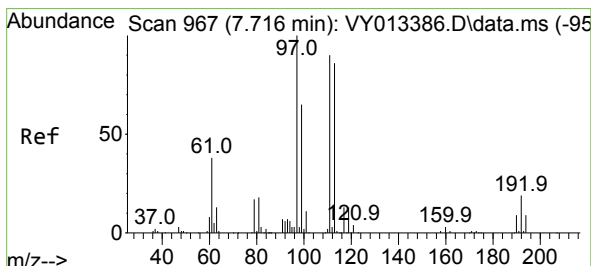
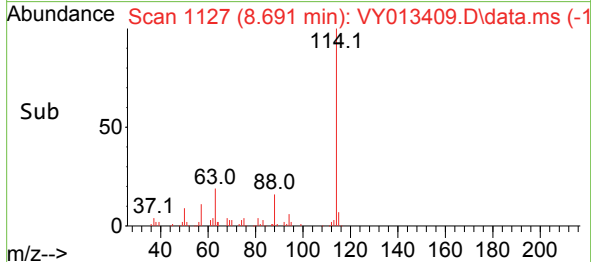
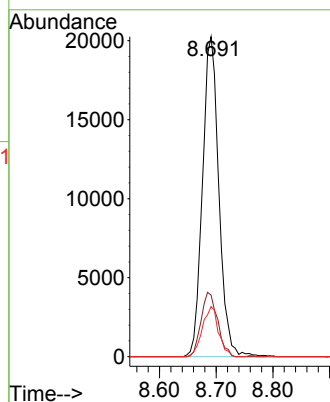
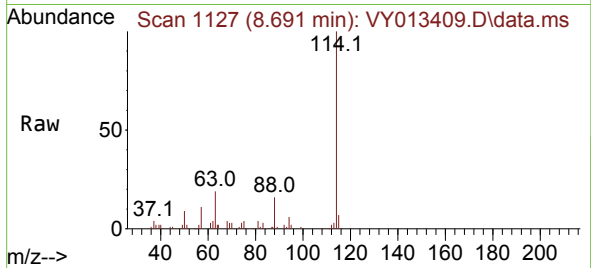




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

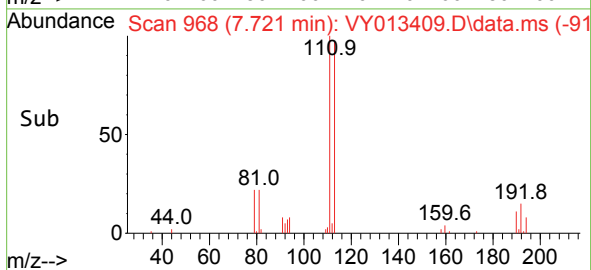
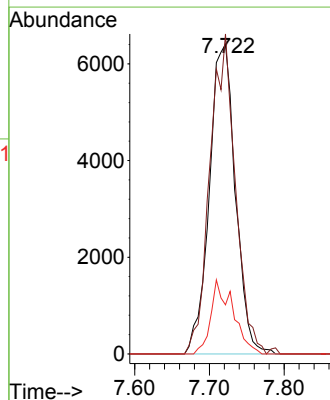
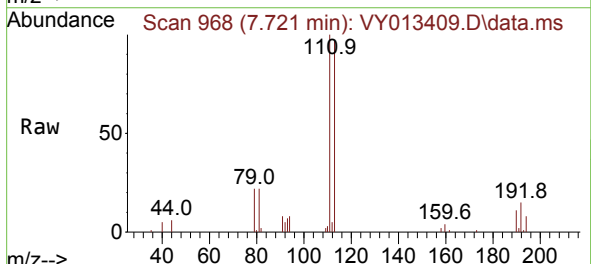
Instrument :
MSVOA_Y
ClientSampleId :
SB-21-8.5-9.0

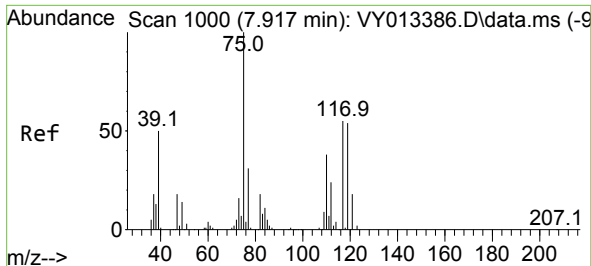
Tgt Ion:114	Resp:	40633
Ion	Ratio	Lower Upper
114	100	
63	19.2	0.0 36.6
88	15.7	0.0 28.8



#35
Dibromofluoromethane
Concen: 60.780 ug/l
RT: 7.721 min Scan# 968
Delta R.T. 0.005 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

Tgt Ion:113	Resp:	15533
Ion	Ratio	Lower Upper
113	100	
111	100.6	82.2 123.2
192	20.4	16.7 25.1

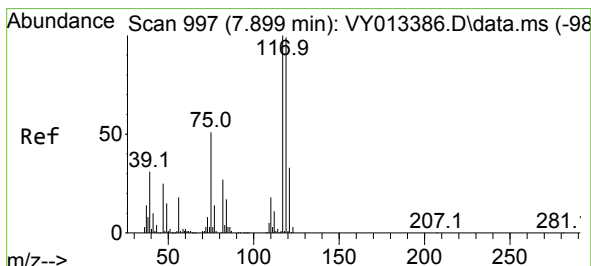
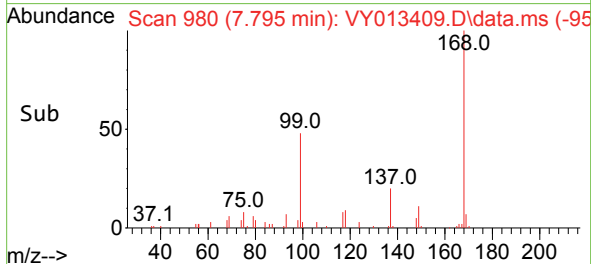
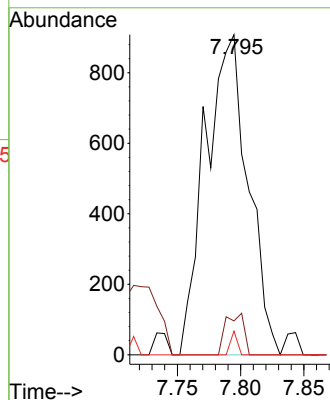
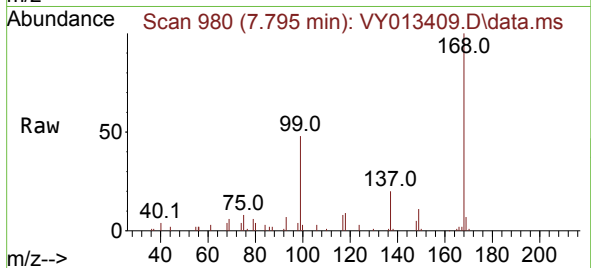




#36
 1,1-Dichloropropene
 Concen: 5.043 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY013409.D
 Acq: 24 Apr 2023 18:37

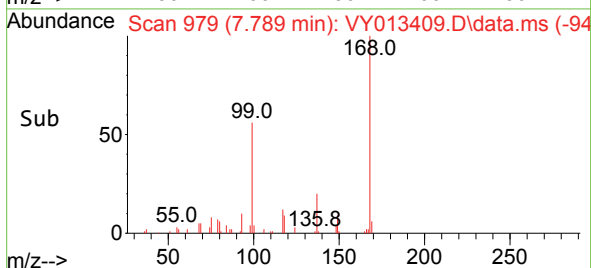
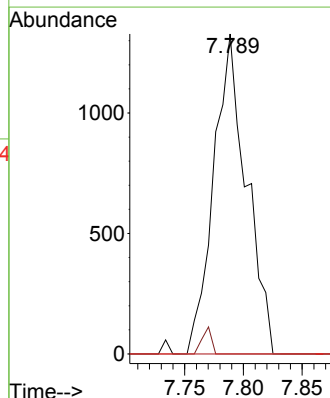
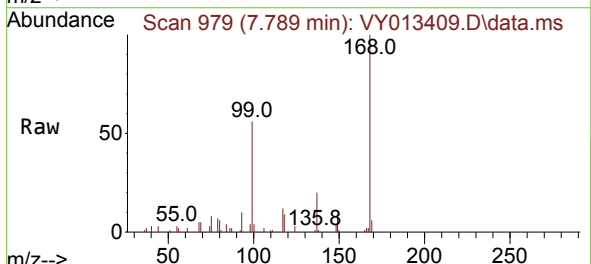
Instrument :
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 SB-21-8.5-9.0

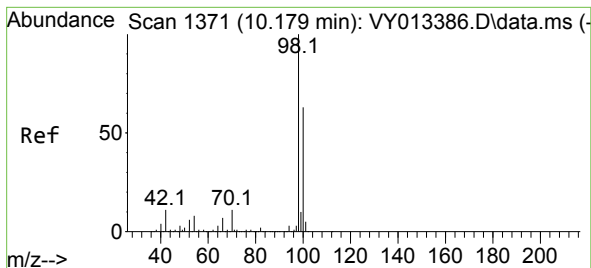
Tgt Ion: 75 Resp: 2139
 Ion Ratio Lower Upper
 75 100
 110 5.5 18.7 56.1#
 77 1.2 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 5.799 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY013409.D
 Acq: 24 Apr 2023 18:37

Tgt Ion: 117 Resp: 2578
 Ion Ratio Lower Upper
 117 100
 119 0.0 79.0 118.6#
 121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 53.071 ug/l

RT: 10.178 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY013409.D

Acq: 24 Apr 2023 18:37

Instrument :

MSVOA_Y

ClientSampleId :

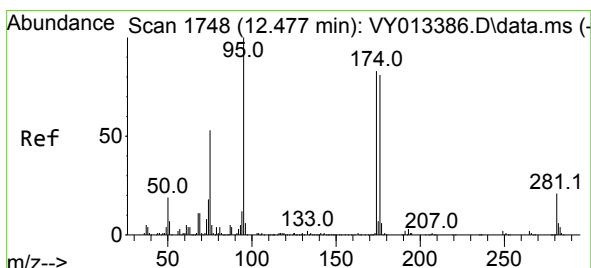
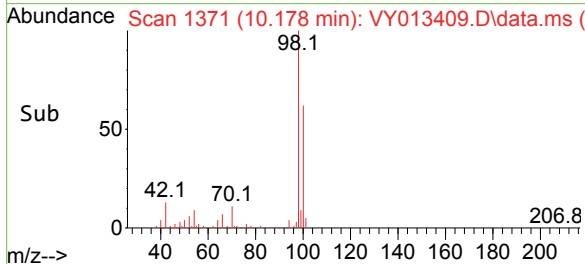
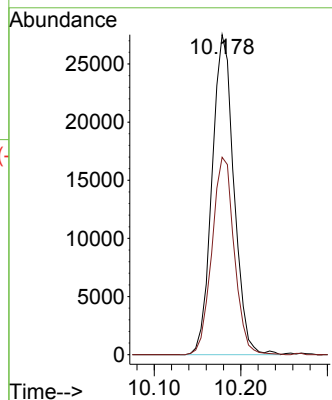
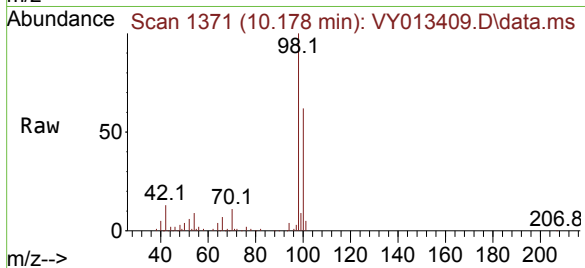
SB-21-8.5-9.0

Tgt Ion: 98 Resp: 48249

Ion Ratio Lower Upper

98 100

100 62.9 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 41.857 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY013409.D

Acq: 24 Apr 2023 18:37

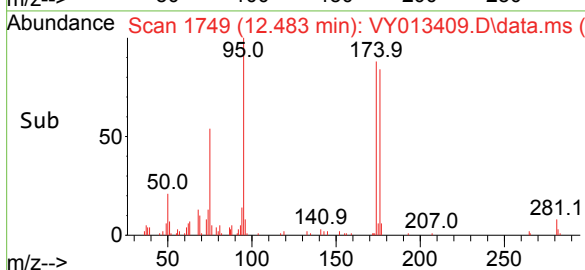
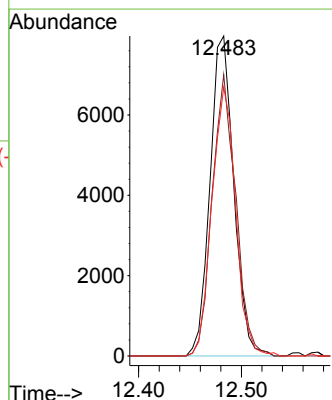
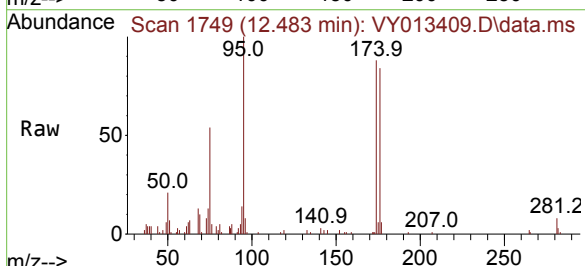
Tgt Ion: 95 Resp: 12829

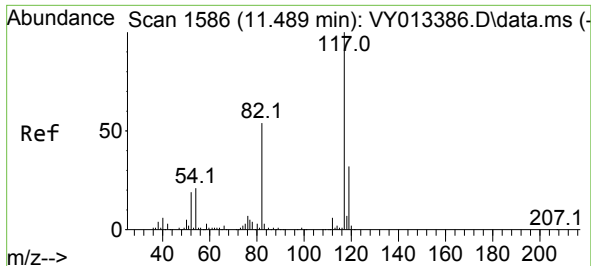
Ion Ratio Lower Upper

95 100

174 86.8 0.0 182.0

176 83.9 0.0 175.4

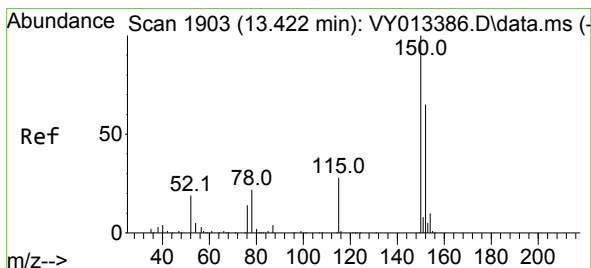
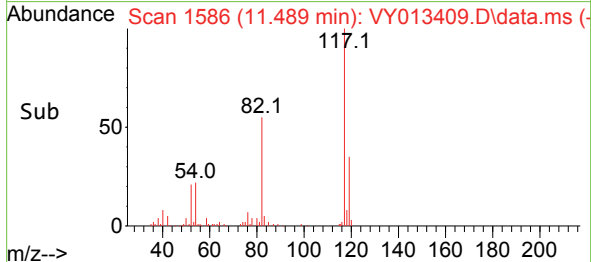
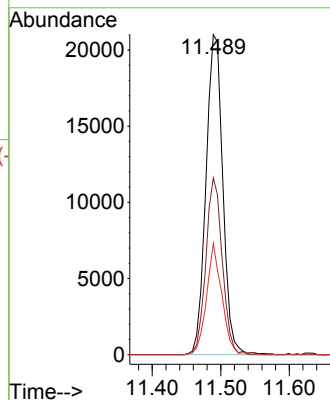
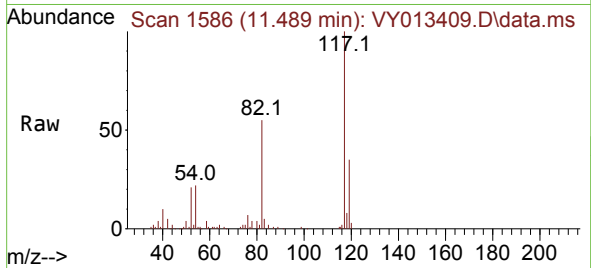




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

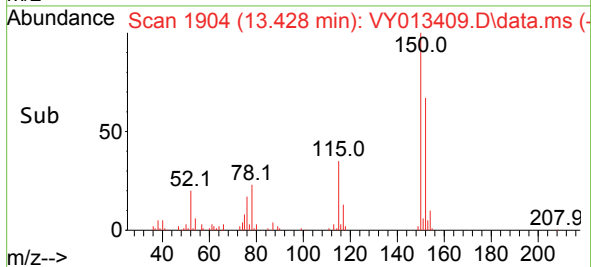
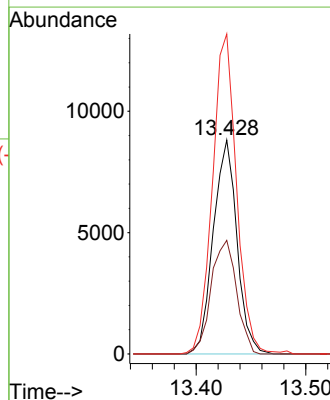
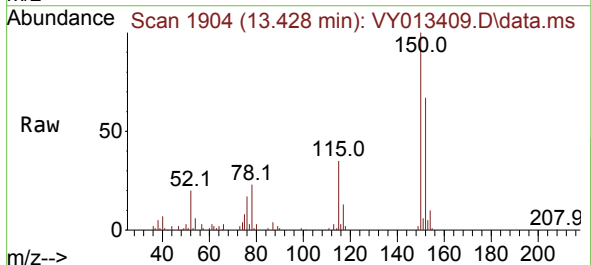
Instrument :
MSVOA_Y
ClientSampleId :
SB-21-8.5-9.0

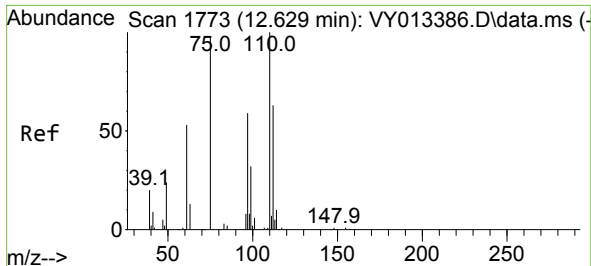
Tgt Ion:	117	Resp:	36005
Ion Ratio	Lower	Upper	
117	100		
82	55.3	43.0	64.6
119	34.8	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

Tgt Ion:	152	Resp:	13220
Ion Ratio	Lower	Upper	
152	100		
115	57.2	28.1	84.2
150	152.4	0.0	352.0

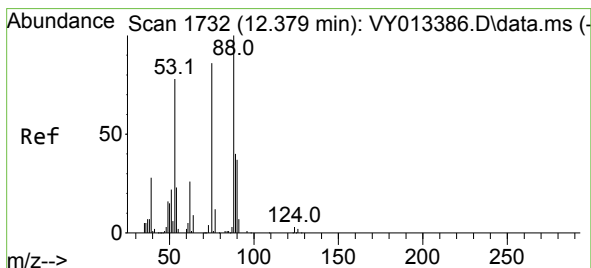
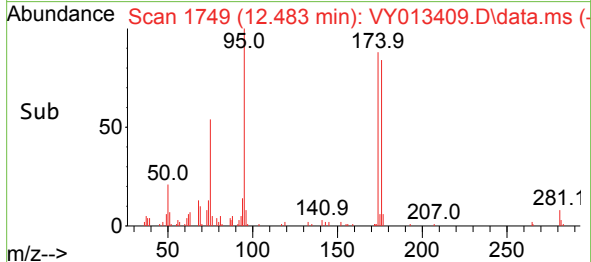
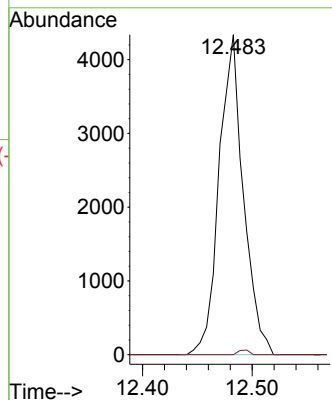
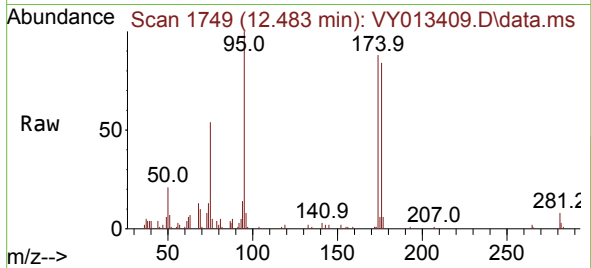




#76
1,2,3-Trichloropropane
Concen: 37.451 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

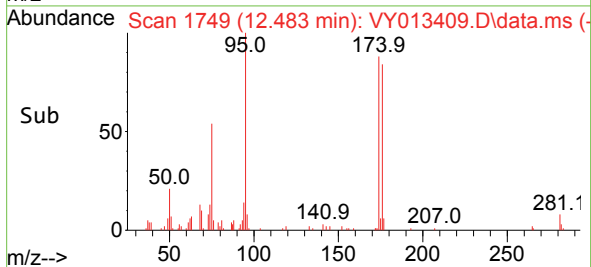
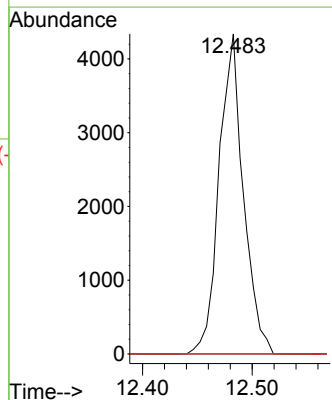
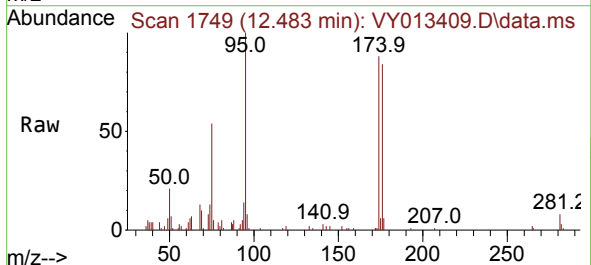
Instrument :
MSVOA_Y
ClientSampleId :
SB-21-8.5-9.0

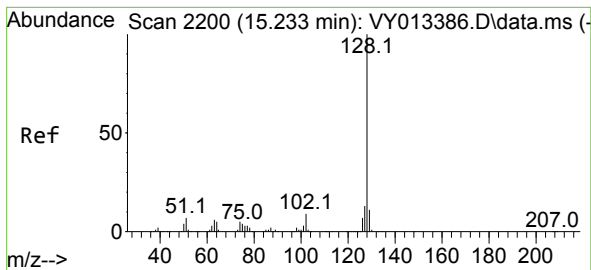
Tgt Ion: 75 Resp: 6677
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.607 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013409.D
Acq: 24 Apr 2023 18:37

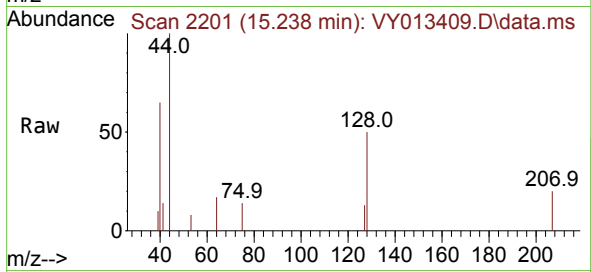
Tgt Ion: 75 Resp: 6677
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.0 38.0 57.0#





#95
 Naphthalene
 Concen: 1.239 ug/l
 RT: 15.238 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: VY013409.D
 Acq: 24 Apr 2023 18:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-21-8.5-9.0



Tgt Ion:128 Resp: 668
 Ion Ratio Lower Upper
 128 100
 127 12.3 10.7 16.1
 129 0.0 8.8 13.2#

