

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013408.D
 Acq On : 24 Apr 2023 18:13
 Operator : KP/MD
 Sample : 02371-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-22-8.5-9.0RE

Quant Time: Apr 25 03:16:21 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)

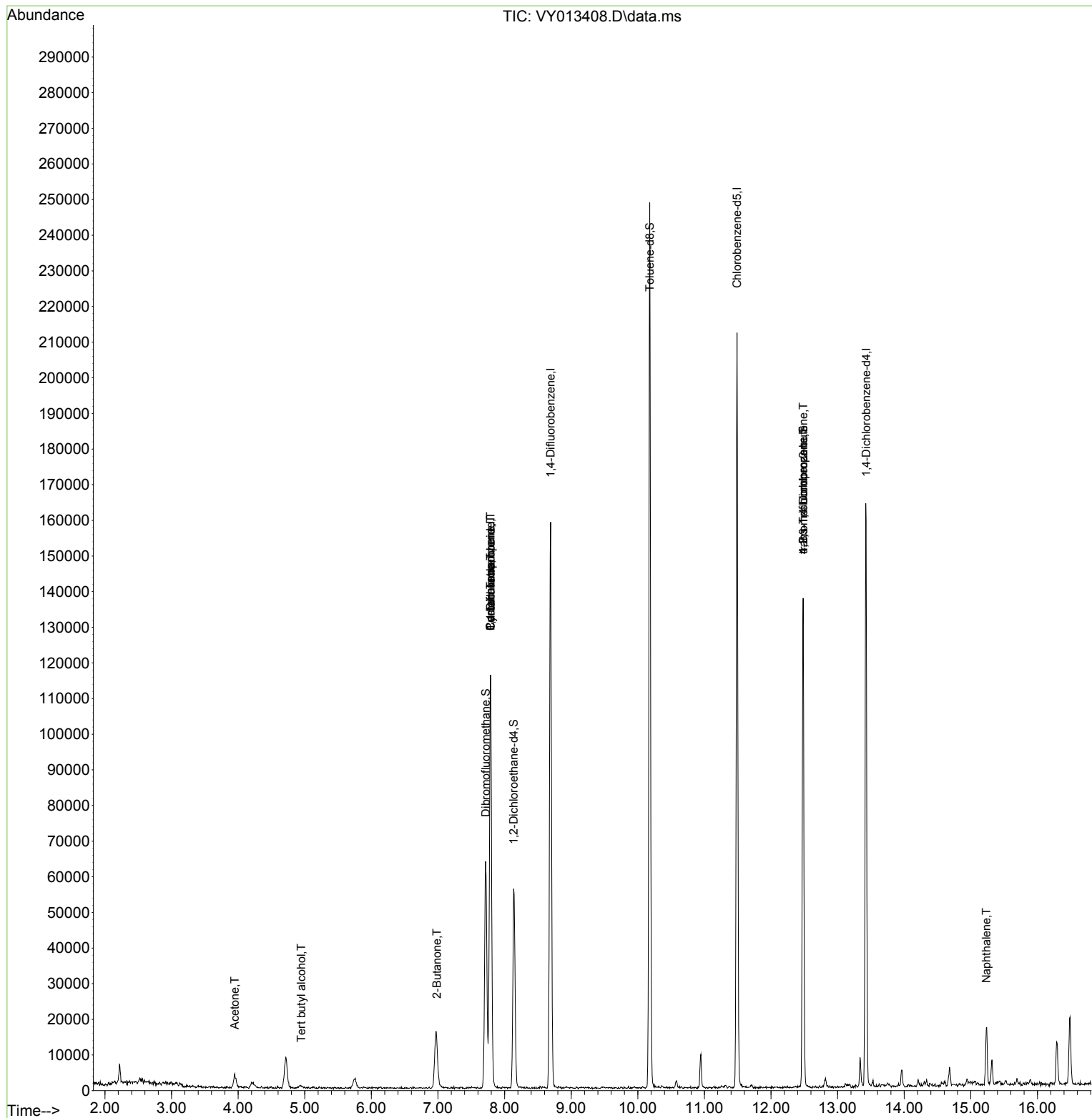
Internal Standards						
1) Pentafluorobenzene	7.789	168	86486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	131472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	109500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	42939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	45217	47.693	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.380%			
35) Dibromofluoromethane	7.716	113	44798	54.176	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.360%			
50) Toluene-d8	10.179	98	155087	52.722	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.440%			
62) 4-Bromofluorobenzene	12.483	95	39729	40.062	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 80.120%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.948	59	394	4.330	ug/l #	89
13) Acrolein	3.759	56	49	Below Cal	#	16
16) Acetone	3.948	43	6139	16.442	ug/l	93
20) Methylene Chloride	4.716	84	5697	Below Cal		93
25) 2-Butanone	6.984	43	1217	2.570	ug/l #	47
31) Cyclohexane	7.789	56	2172	1.280	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6949	5.064	ug/l #	49
38) Carbon Tetrachloride	7.789	117	9018	6.270	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	20503	35.406	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20503	72.425	ug/l #	13
95) Naphthalene	15.233	128	13801	7.880	ug/l	97

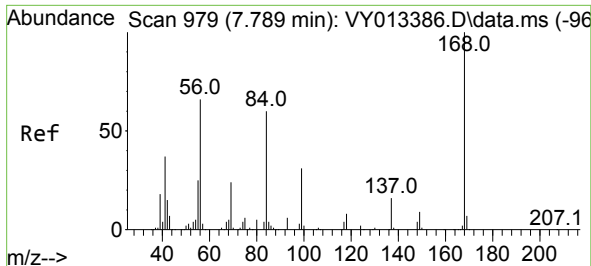
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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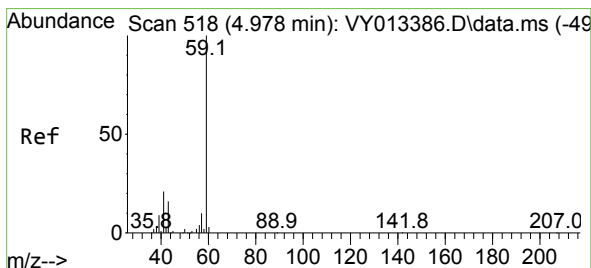
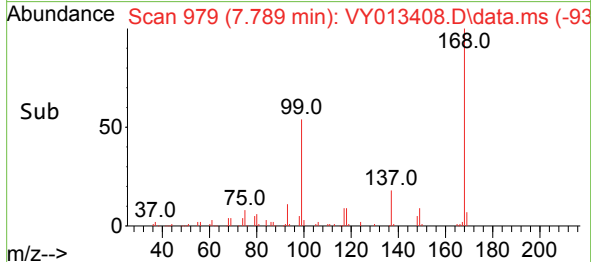
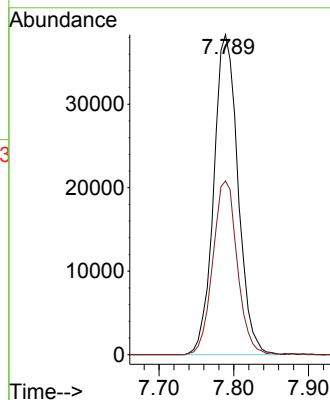
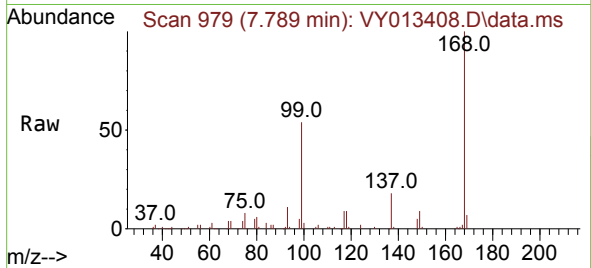




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

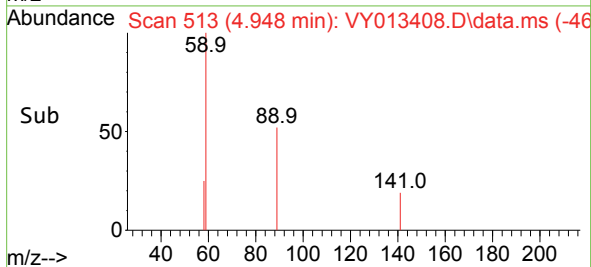
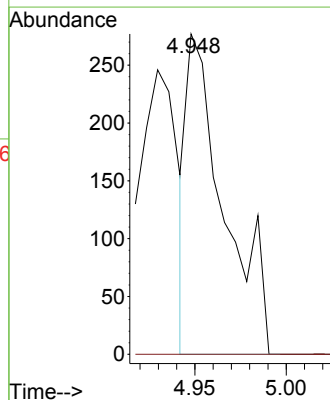
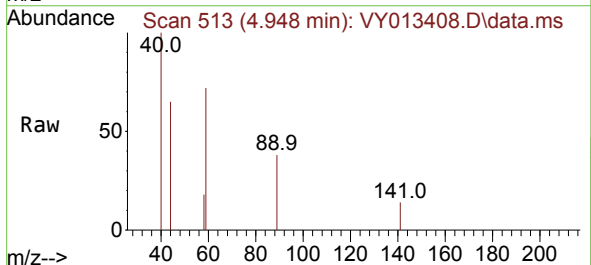
Instrument :
MSVOA_Y
ClientSampleId :
SB-22-8.5-9.0RE

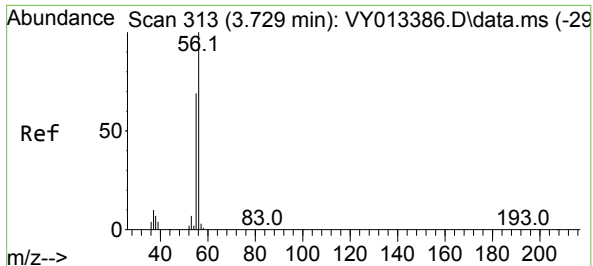
Tgt Ion:168 Resp: 86486
Ion Ratio Lower Upper
168 100
99 54.3 41.8 62.6



#11
Tert butyl alcohol
Concen: 4.330 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

Tgt Ion: 59 Resp: 394
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

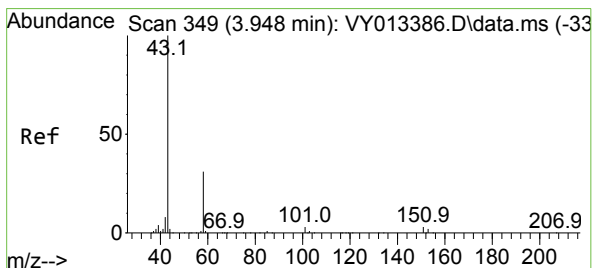
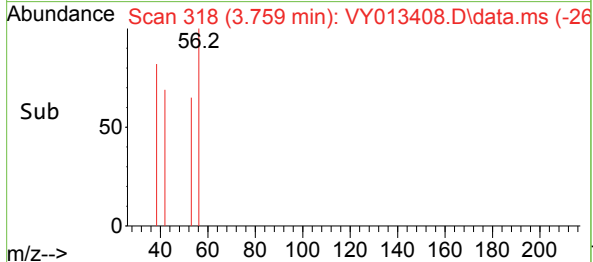
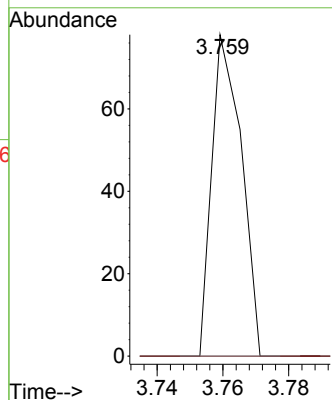
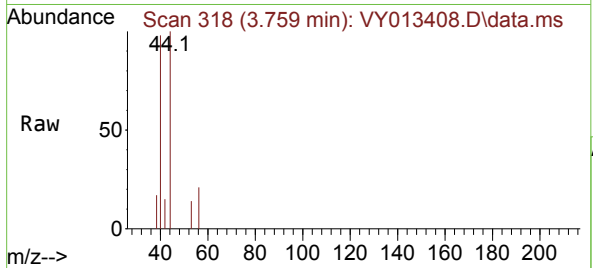




#13
Acrolein
Concen: Below Cal
RT: 3.759 min Scan# 313
Delta R.T. 0.030 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

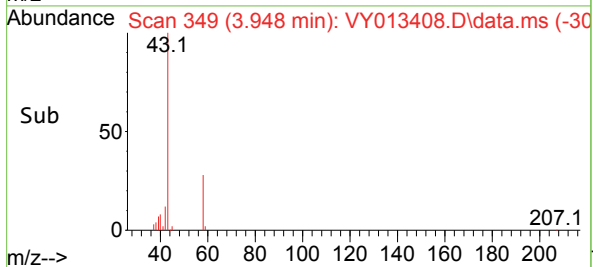
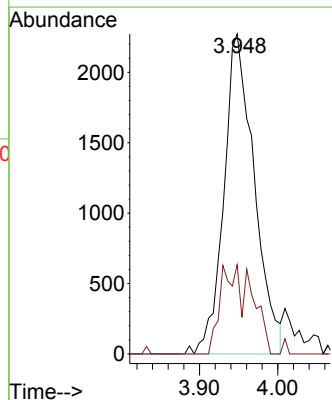
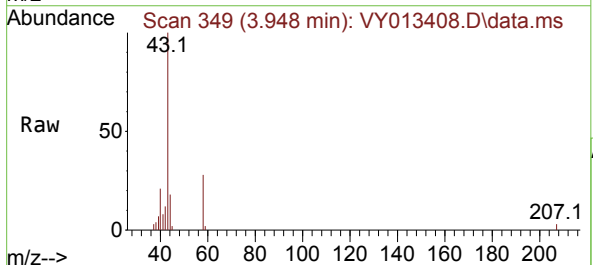
Instrument :
MSVOA_Y
ClientSampleId :
SB-22-8.5-9.0RE

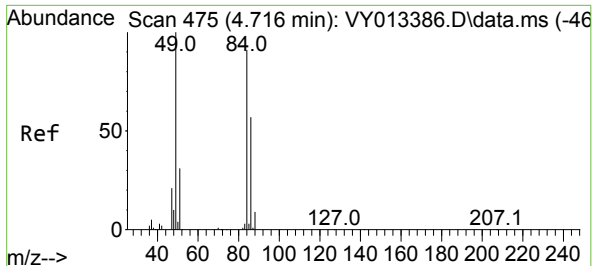
Tgt Ion: 56 Resp: 49
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 16.442 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

Tgt Ion: 43 Resp: 6139
Ion Ratio Lower Upper
43 100
58 27.9 25.4 38.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY013408.D

Acq: 24 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

SB-22-8.5-9.0RE

Tgt Ion: 84 Resp: 5697

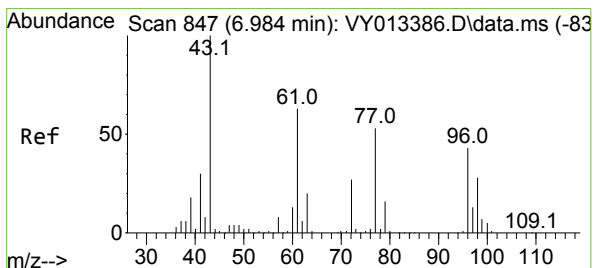
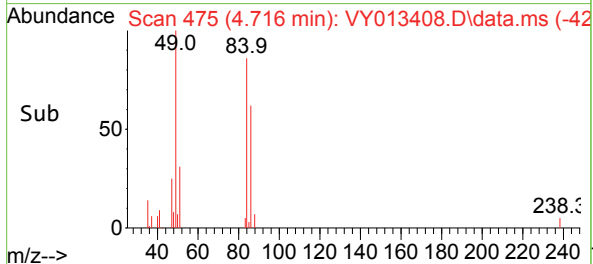
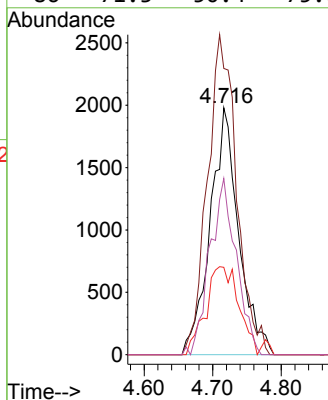
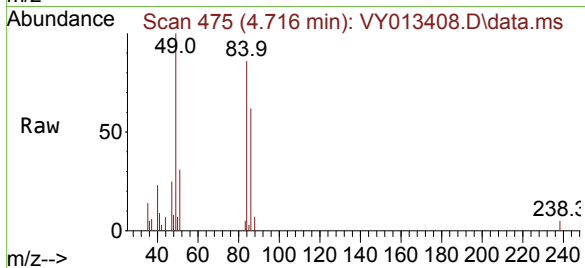
Ion Ratio Lower Upper

84 100

49 115.9 88.0 132.0

51 35.4 27.4 41.0

86 71.3 50.4 75.6



#25

2-Butanone

Concen: 2.570 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY013408.D

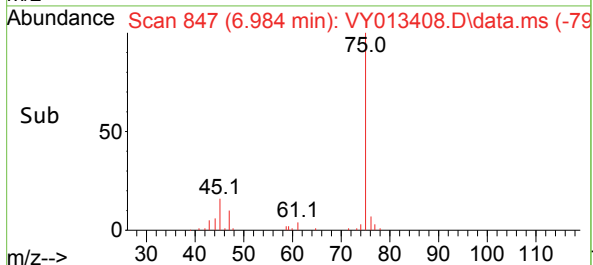
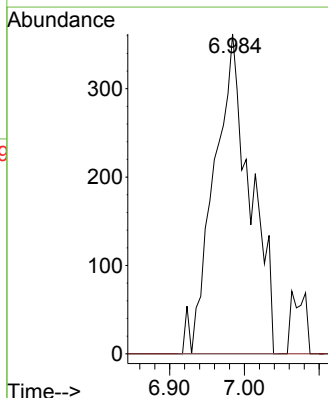
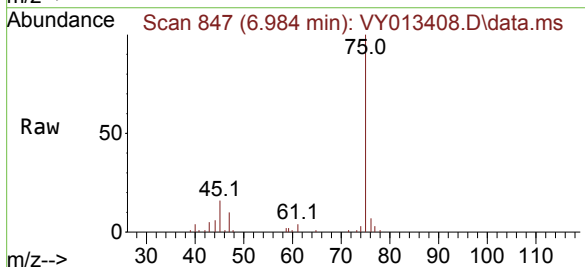
Acq: 24 Apr 2023 18:13

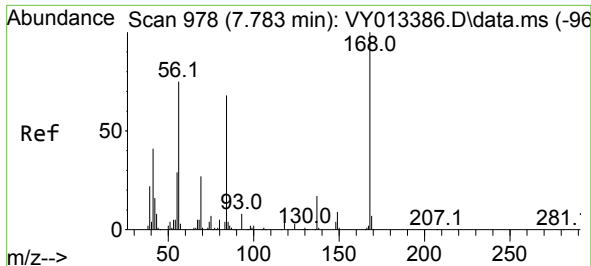
Tgt Ion: 43 Resp: 1217

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#

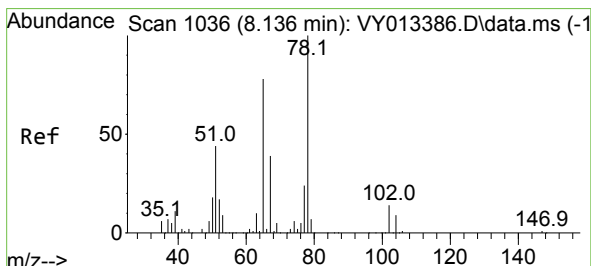
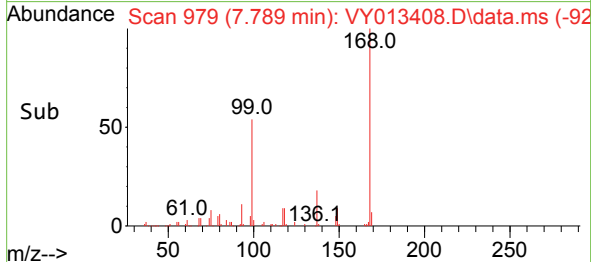
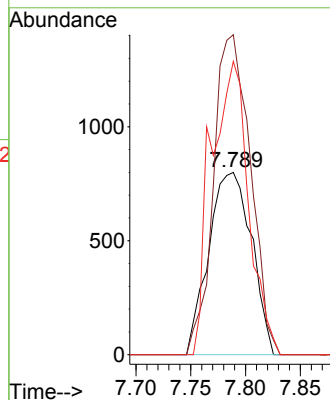
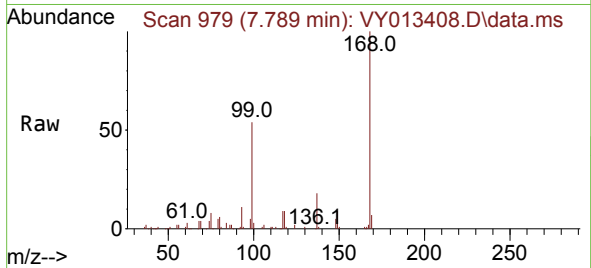




#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

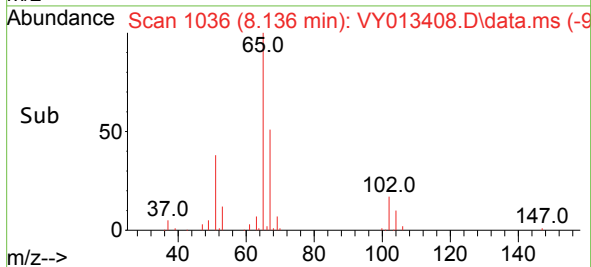
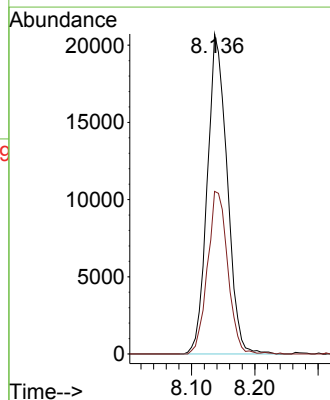
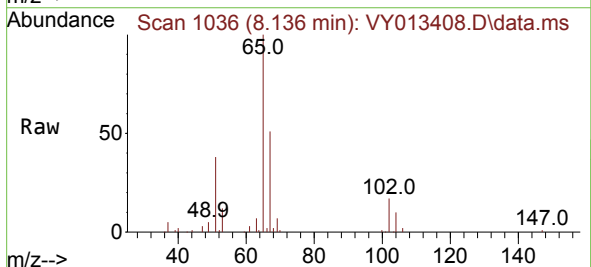
Instrument :
MSVOA_Y
ClientSampleId :
SB-22-8.5-9.0RE

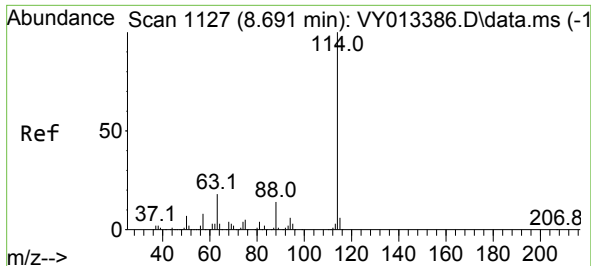
Tgt Ion: 56 Resp: 2172
Ion Ratio Lower Upper
56 100
69 175.5 29.2 43.8#
84 160.9 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 47.693 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

Tgt Ion: 65 Resp: 45217
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4

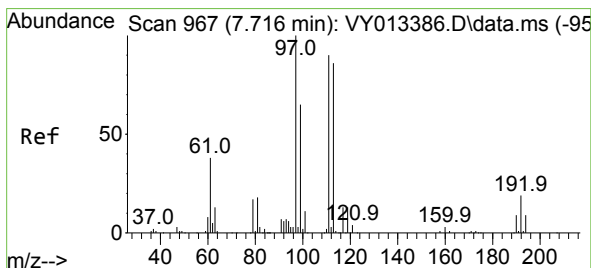
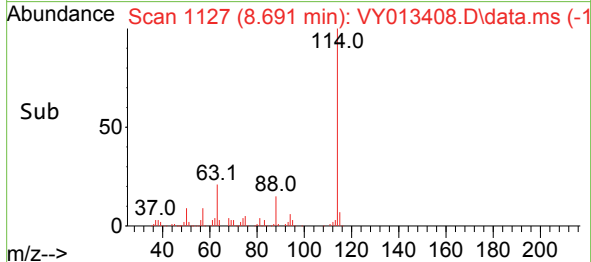
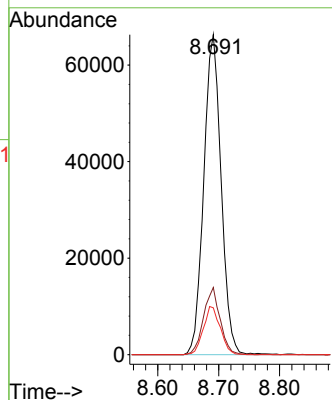
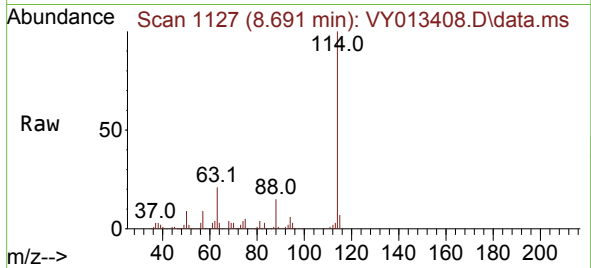




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

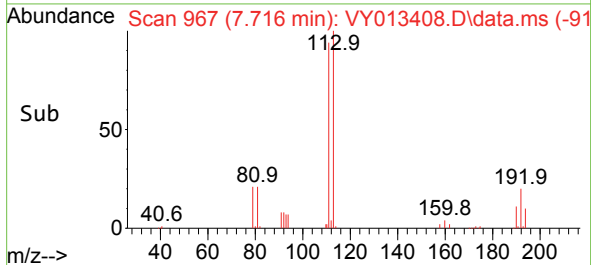
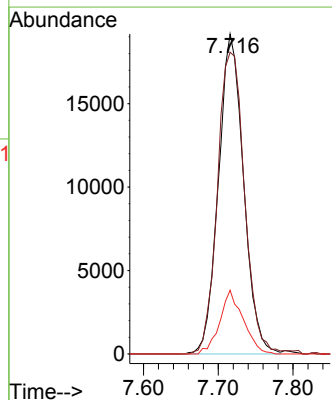
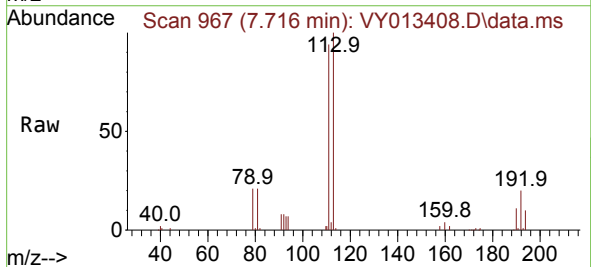
Instrument :
MSVOA_Y
ClientSampleId :
SB-22-8.5-9.0RE

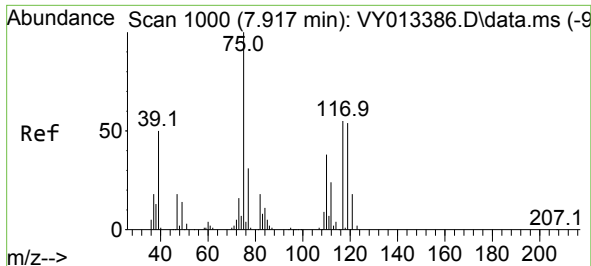
Tgt Ion:114 Resp: 131472
Ion Ratio Lower Upper
114 100
63 21.0 0.0 36.6
88 14.6 0.0 28.8



#35
Dibromofluoromethane
Concen: 54.176 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

Tgt Ion:113 Resp: 44798
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.2
192 18.6 16.7 25.1

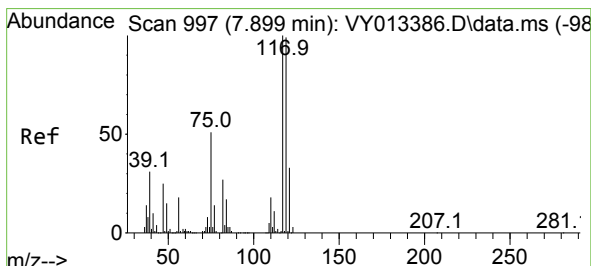
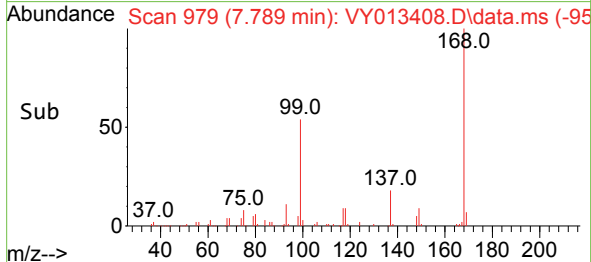
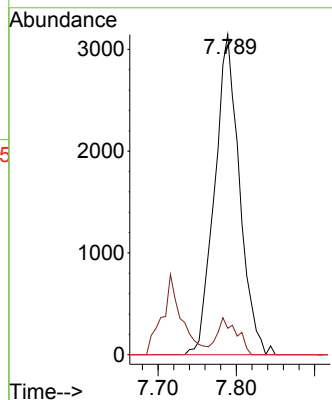
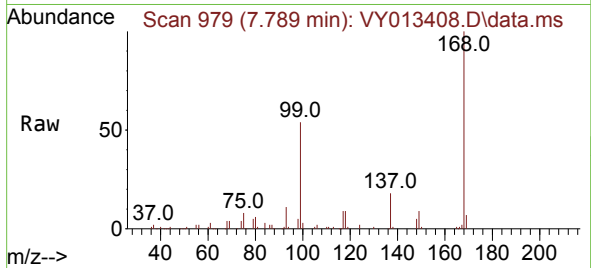




#36
 1,1-Dichloropropene
 Concen: 5.064 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY013408.D
 Acq: 24 Apr 2023 18:13

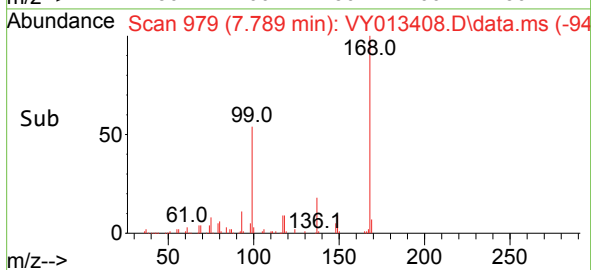
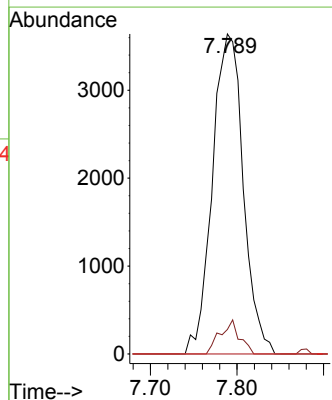
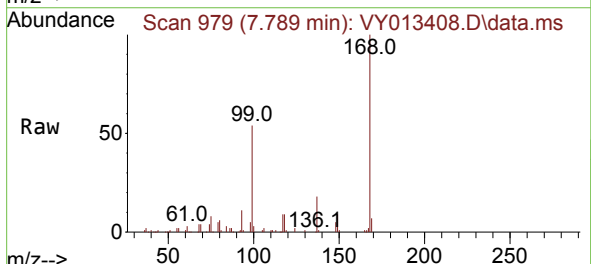
Instrument :
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 SB-22-8.5-9.0RE

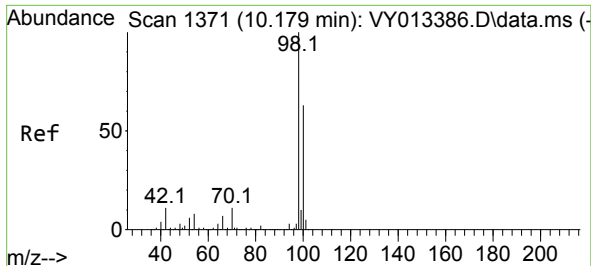
Tgt Ion: 75 Resp: 6949
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.7 56.1#
 77 0.0 24.6 37.0#



#38
 Carbon Tetrachloride
 Concen: 6.270 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY013408.D
 Acq: 24 Apr 2023 18:13

Tgt Ion: 117 Resp: 9018
 Ion Ratio Lower Upper
 117 100
 119 7.6 79.0 118.6#
 121 0.0 26.6 40.0#

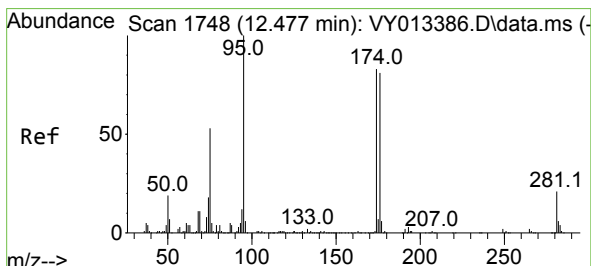
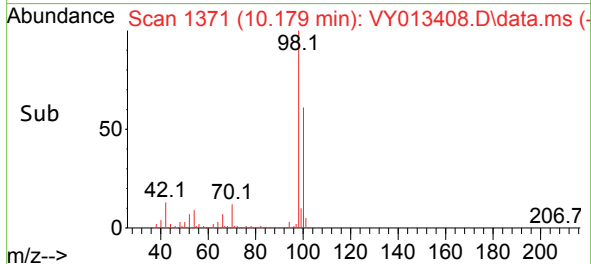
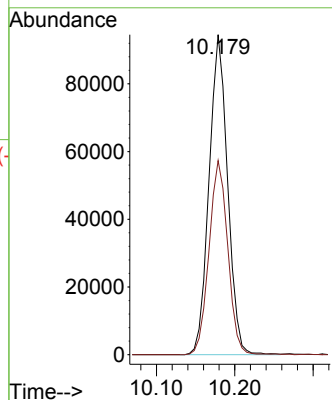
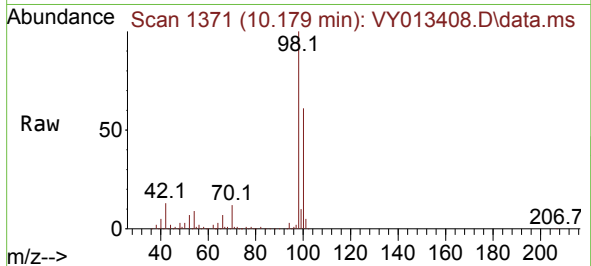




#50
Toluene-d8
Concen: 52.722 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

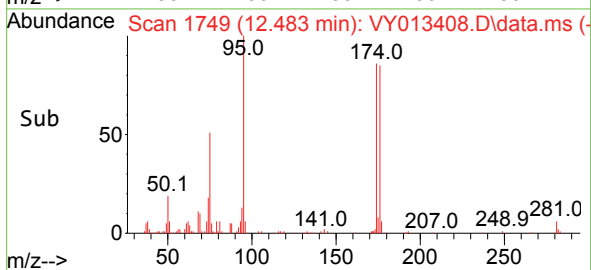
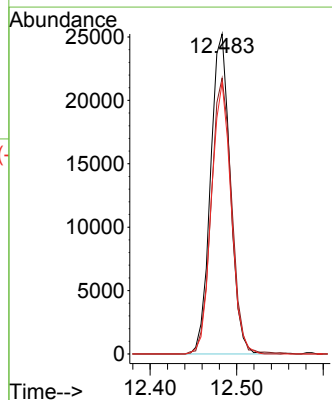
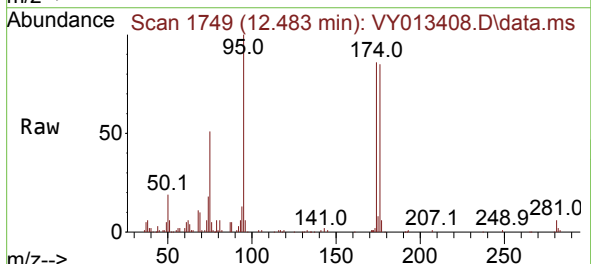
Instrument :
MSVOA_Y
ClientSampleId :
SB-22-8.5-9.0RE

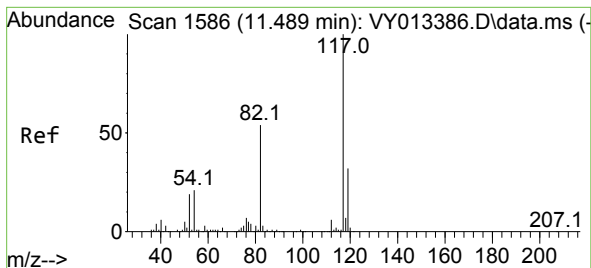
Tgt Ion: 98 Resp: 155087
Ion Ratio Lower Upper
98 100
100 61.5 50.5 75.7



#62
4-Bromofluorobenzene
Concen: 40.062 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

Tgt Ion: 95 Resp: 39729
Ion Ratio Lower Upper
95 100
174 89.6 0.0 182.0
176 85.1 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: VY013408.D

Acq: 24 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

SB-22-8.5-9.0RE

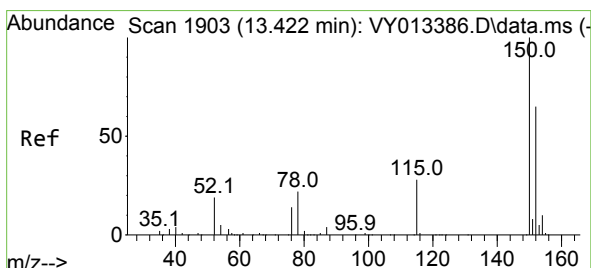
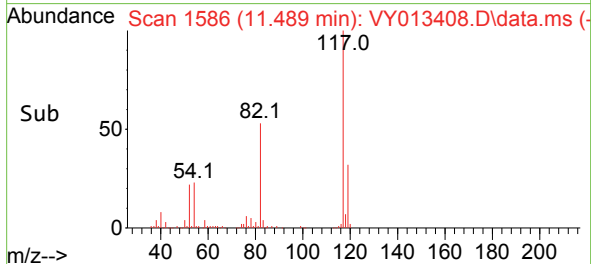
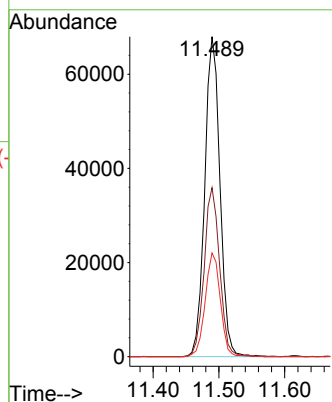
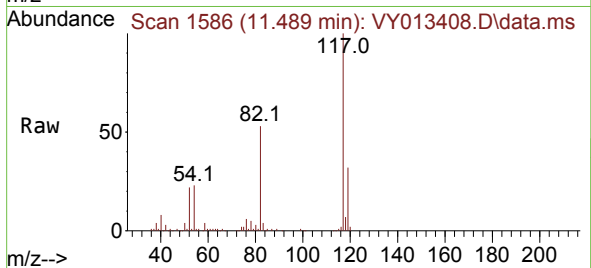
Tgt Ion:117 Resp: 109500

Ion Ratio Lower Upper

117 100

82 52.8 43.0 64.6

119 32.4 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: VY013408.D

Acq: 24 Apr 2023 18:13

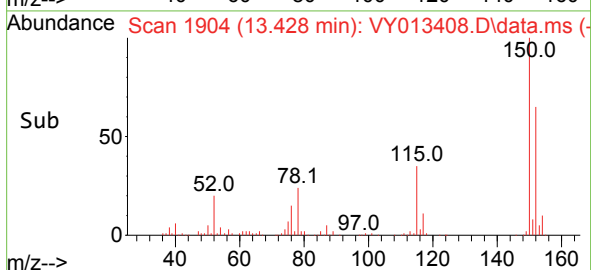
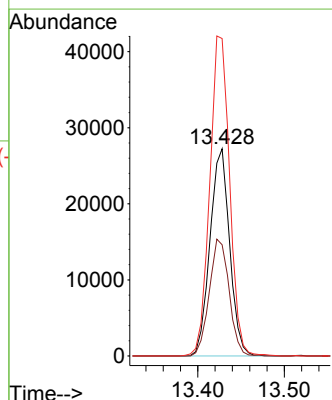
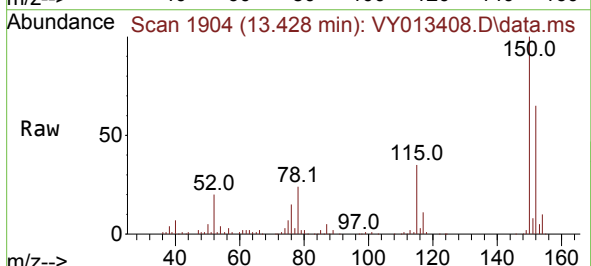
Tgt Ion:152 Resp: 42939

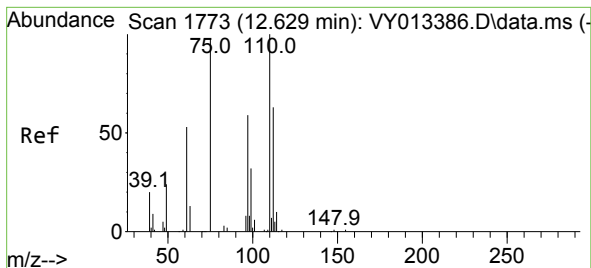
Ion Ratio Lower Upper

152 100

115 56.9 28.1 84.2

150 155.8 0.0 352.0





#76

1,2,3-Trichloropropane

Concen: 35.406 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY013408.D

Acq: 24 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

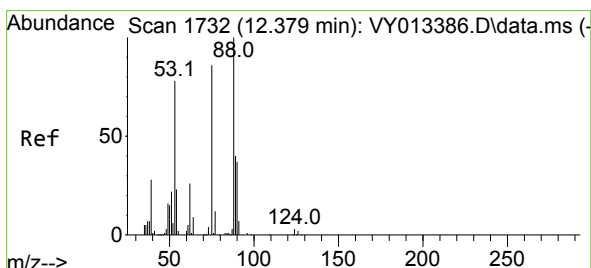
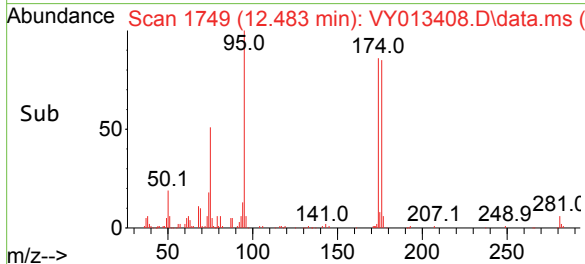
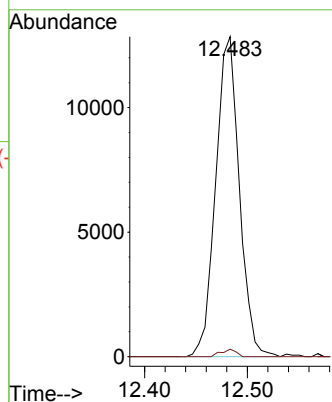
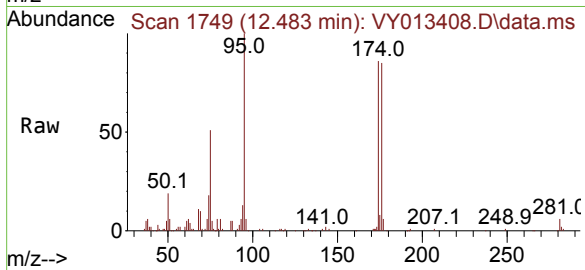
SB-22-8.5-9.0RE

Tgt Ion: 75 Resp: 20503

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.425 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY013408.D

Acq: 24 Apr 2023 18:13

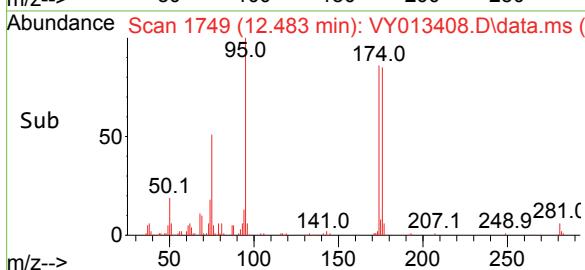
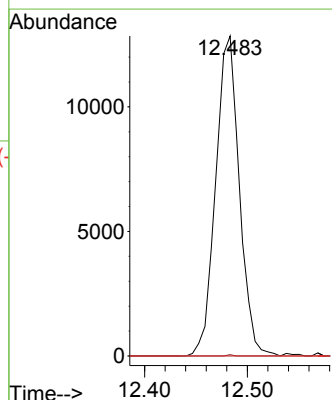
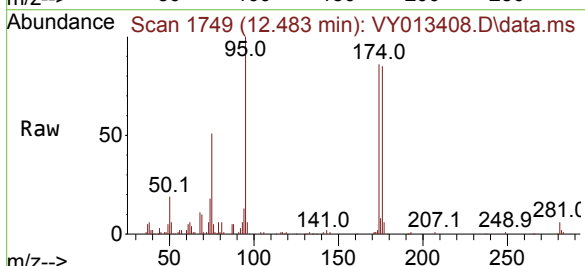
Tgt Ion: 75 Resp: 20503

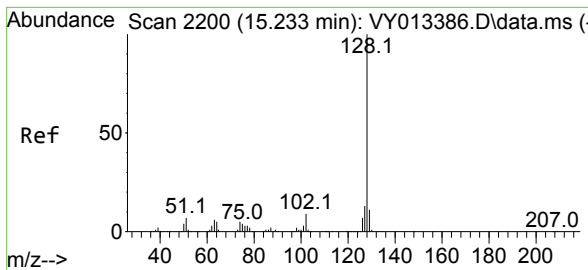
Ion Ratio Lower Upper

75 100

53 0.1 73.2 109.8#

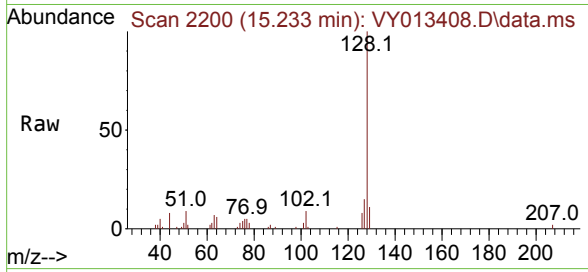
89 0.0 38.0 57.0#





#95
Naphthalene
Concen: 7.880 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY013408.D
Acq: 24 Apr 2023 18:13

Instrument :
MSVOA_Y
ClientSampleId :
SB-22-8.5-9.0RE



Tgt Ion:	128	Resp:	13801
Ion Ratio	Lower	Upper	
128	100		
127	15.1	10.7	16.1
129	10.4	8.8	13.2

