

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050422\
 Data File : VY008623.D
 Acq On : 04 May 2022 19:31
 Operator : KP/MD
 Sample : N2619-18
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB08-13-14-FT

Quant Time: May 05 04:38:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 01:57:20 2022
 Response via : Initial Calibration

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

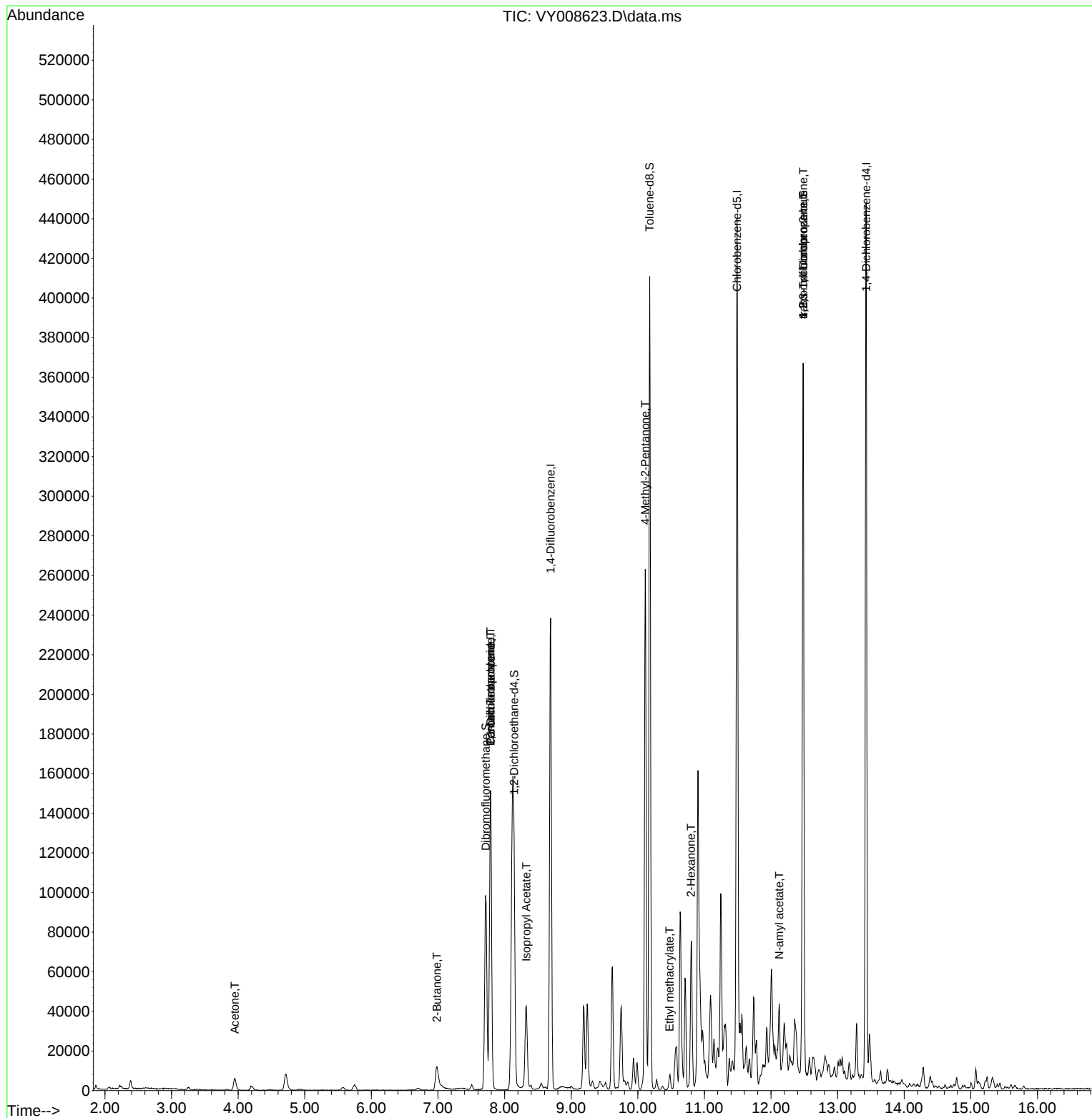
Internal Standards						
1) Pentafluorobenzene	7.789	168	128375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223412	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	237847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	121474	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	63760	51.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.200%	
35) Dibromofluoromethane	7.716	113	70828	47.911	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.820%	
50) Toluene-d8	10.179	98	275608	52.623	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.240%	
62) 4-Bromofluorobenzene	12.483	95	103969	54.161	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.320%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.662	94	56	Below Cal		81
11) Tert butyl alcohol	4.936	59	687	Below Cal	#	77
16) Acetone	3.948	43	10569	39.314	ug/l	91
18) Methyl Acetate	4.466	43	274	Below Cal		92
20) Methylene Chloride	4.716	84	6526	Below Cal	#	77
25) 2-Butanone	6.984	43	2803	6.496	ug/l #	85
36) 1,1-Dichloropropene	7.789	75	8601	3.742	ug/l #	50
38) Carbon Tetrachloride	7.789	117	11269	4.297	ug/l #	17
43) Isopropyl Acetate	8.325	43	8234	3.839	ug/l #	56
51) 4-Methyl-2-Pentanone	10.112	43	27883	24.766	ug/l	96
56) Ethyl methacrylate	10.477	69	2550	1.340	ug/l #	63
59) 2-Hexanone	10.801	43	27481	35.843	ug/l #	35
74) N-amyl acetate	12.124	43	8639	4.079	ug/l #	67
76) 1,2,3-Trichloropropane	12.483	75	49930	38.505	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49930	78.066	ug/l #	7

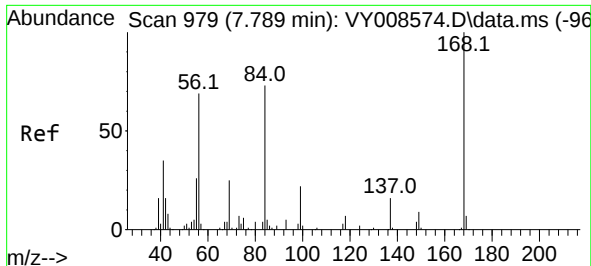
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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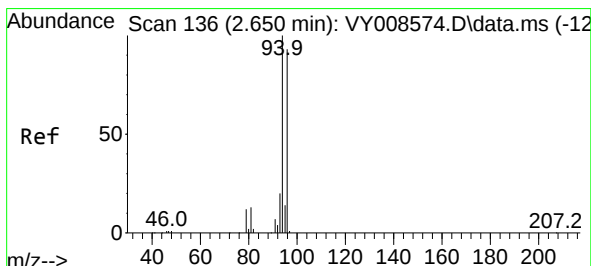
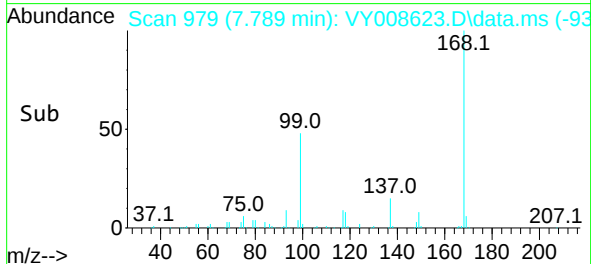
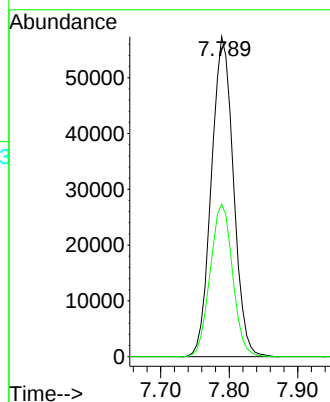
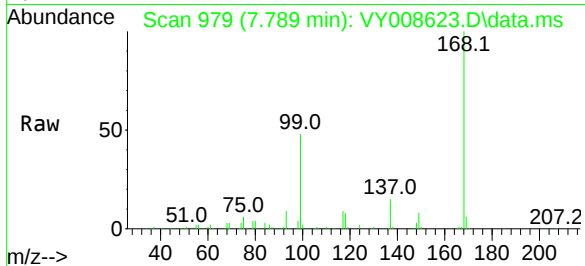




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

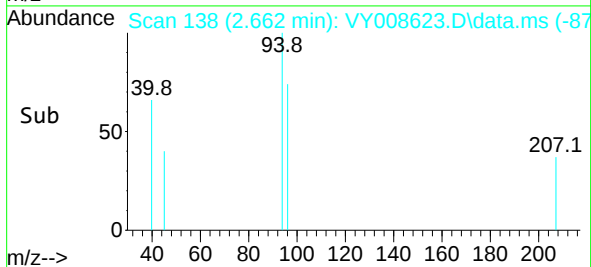
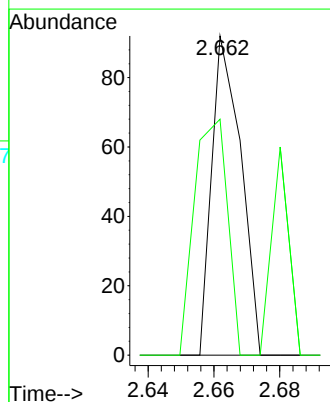
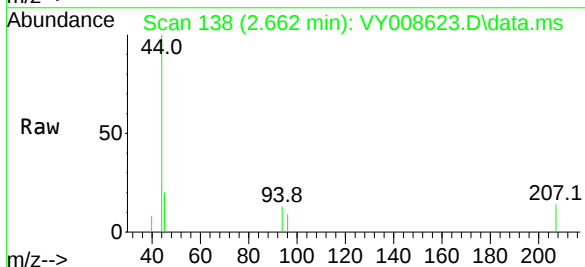
Instrument :
MSVOA_Y
ClientSampleId :
SB08-13-14-FT

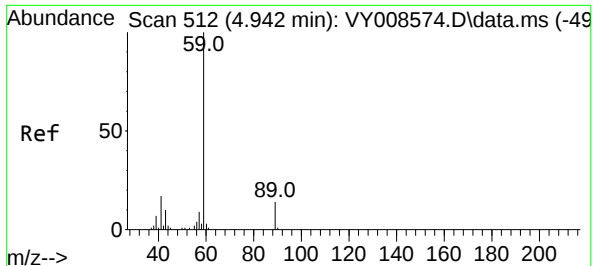
Tgt Ion:168 Resp: 128375
Ion Ratio Lower Upper
168 100
99 47.6 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.012 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

Tgt Ion: 94 Resp: 56
Ion Ratio Lower Upper
94 100
96 73.9 73.5 110.3





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 511

Delta R.T. -0.006 min

Lab File: VY008623.D

Acq: 04 May 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

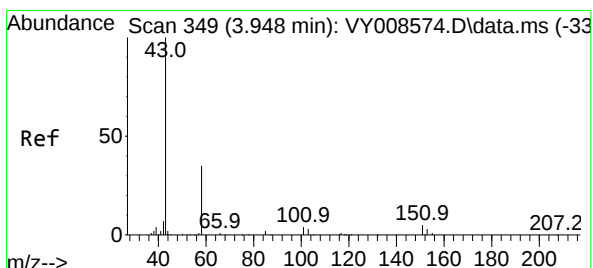
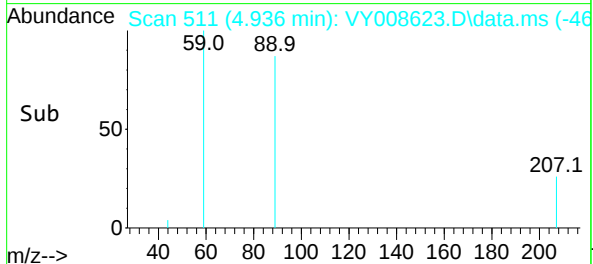
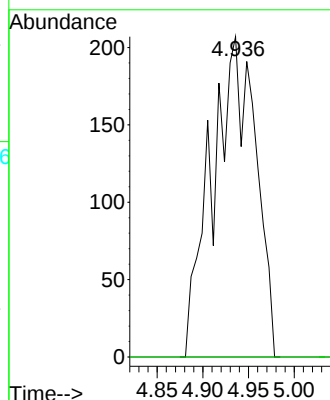
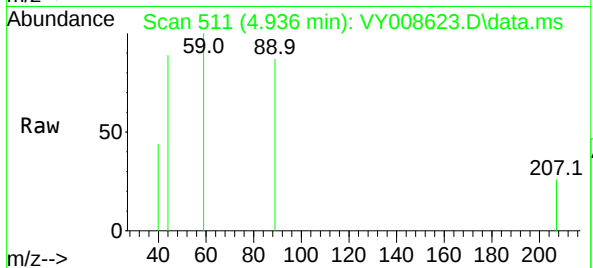
SB08-13-14-FT

Tgt Ion: 59 Resp: 687

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 39.314 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY008623.D

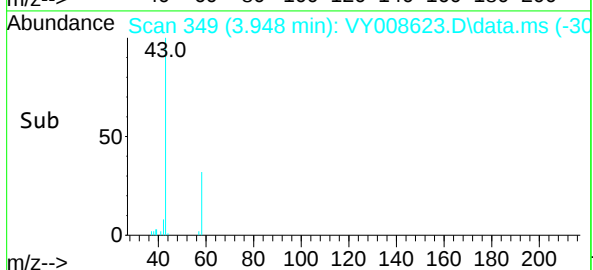
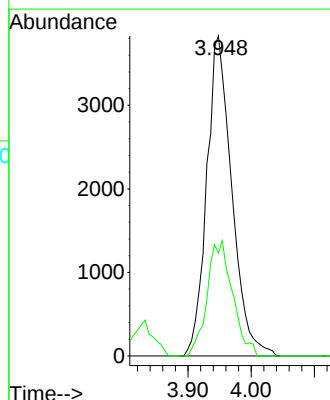
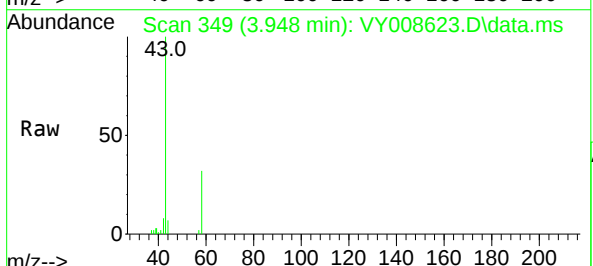
Acq: 04 May 2022 19:31

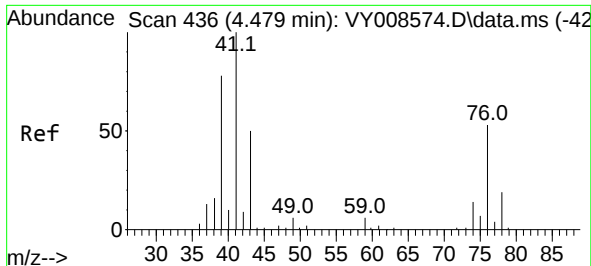
Tgt Ion: 43 Resp: 10569

Ion Ratio Lower Upper

43 100

58 32.1 22.0 33.0

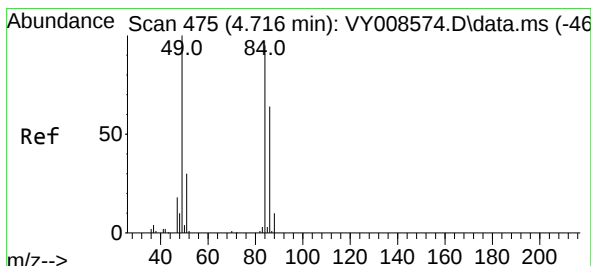
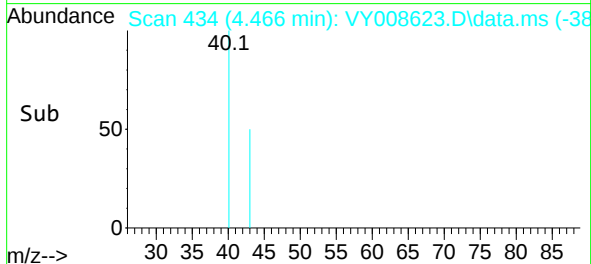
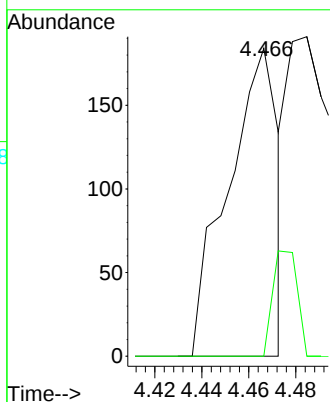
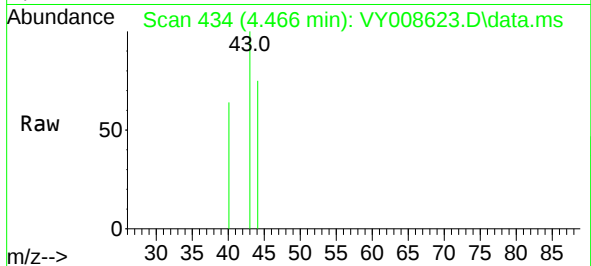




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

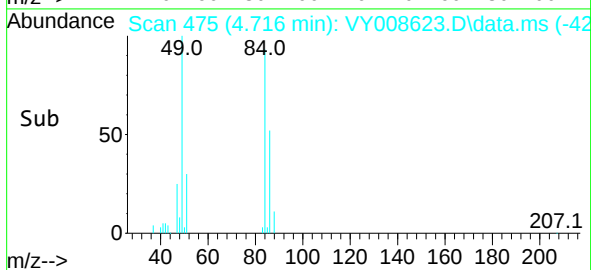
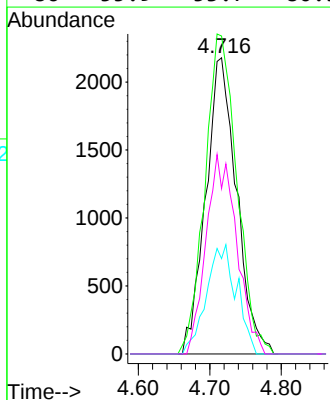
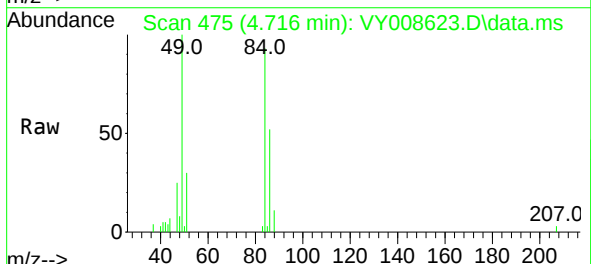
Instrument :
MSVOA_Y
ClientSampleId :
SB08-13-14-FT

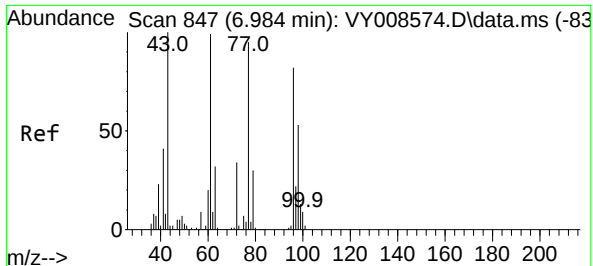
Tgt Ion: 43 Resp: 274
Ion Ratio Lower Upper
43 100
74 16.8 16.6 24.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

Tgt Ion: 84 Resp: 6526
Ion Ratio Lower Upper
84 100
49 107.3 114.4 171.6#
51 32.2 35.3 52.9#
86 55.9 53.7 80.5





#25

2-Butanone

Concen: 6.496 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY008623.D

Acq: 04 May 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

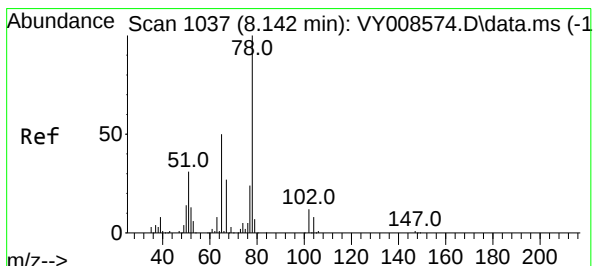
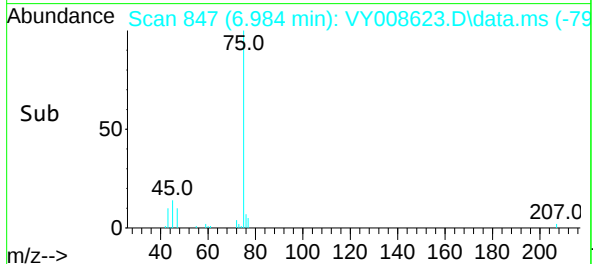
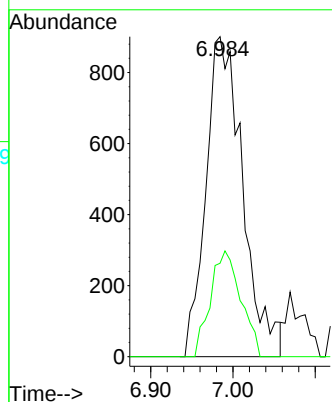
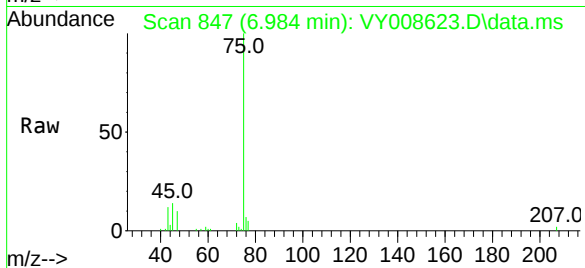
SB08-13-14-FT

Tgt Ion: 43 Resp: 2803

Ion Ratio Lower Upper

43 100

72 29.2 17.7 26.5#



#33

1,2-Dichloroethane-d4

Concen: 51.102 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY008623.D

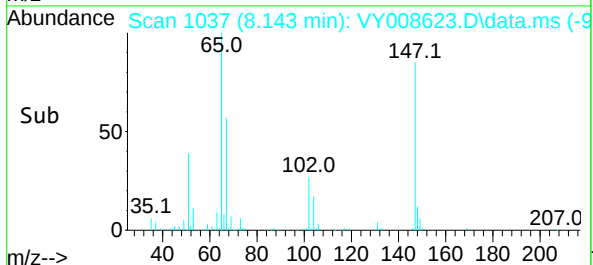
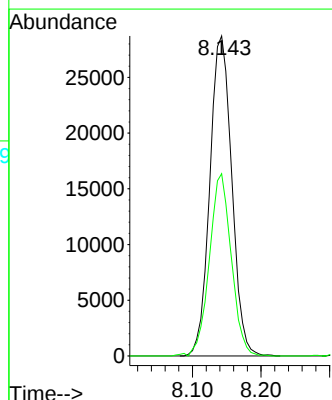
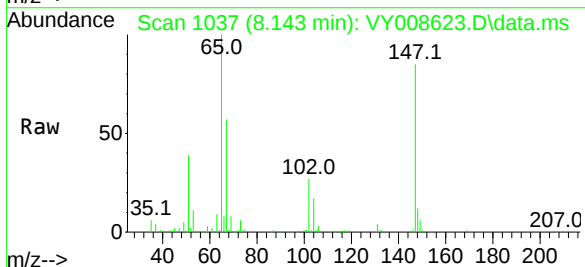
Acq: 04 May 2022 19:31

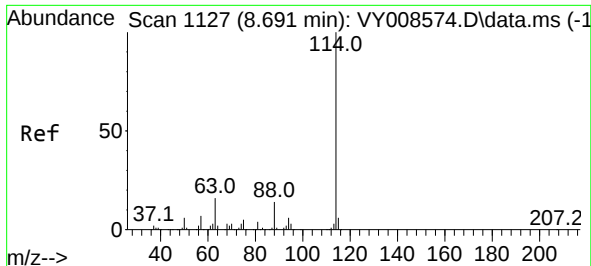
Tgt Ion: 65 Resp: 63760

Ion Ratio Lower Upper

65 100

67 57.0 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008623.D

Acq: 04 May 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

SB08-13-14-FT

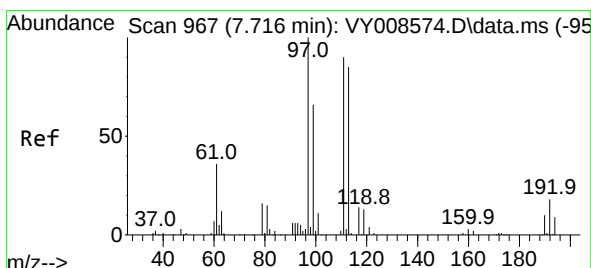
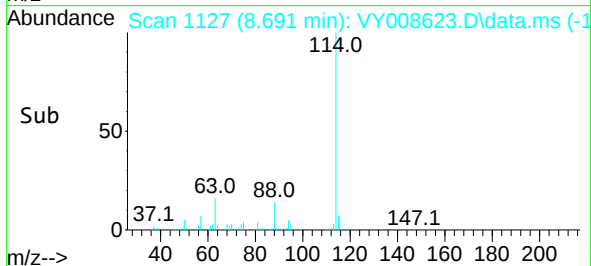
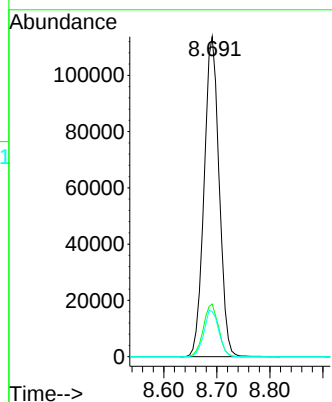
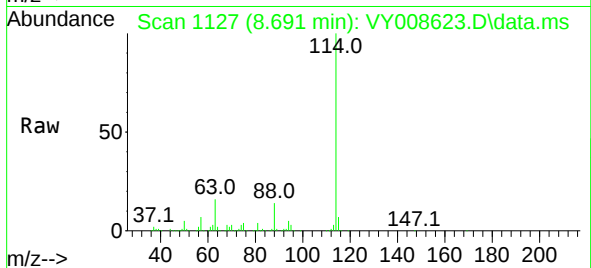
Tgt Ion:114 Resp: 223412

Ion Ratio Lower Upper

114 100

63 16.4 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 47.911 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008623.D

Acq: 04 May 2022 19:31

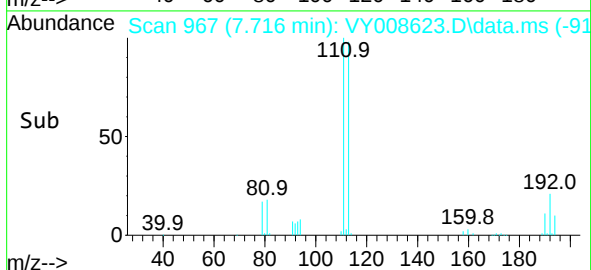
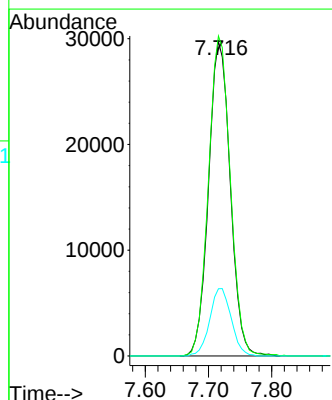
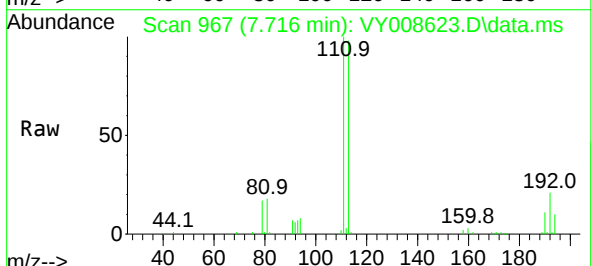
Tgt Ion:113 Resp: 70828

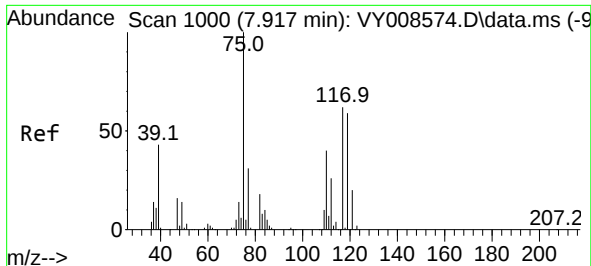
Ion Ratio Lower Upper

113 100

111 102.6 82.6 124.0

192 21.2 17.6 26.4

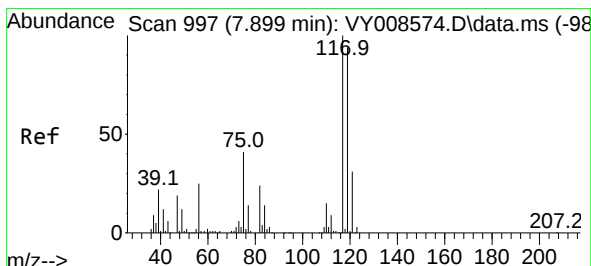
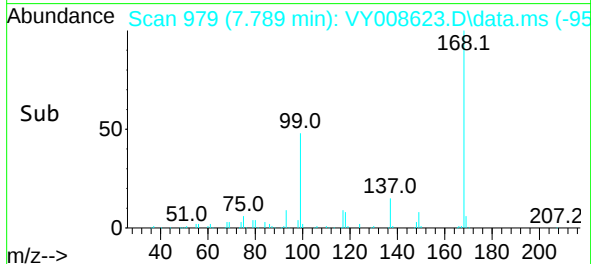
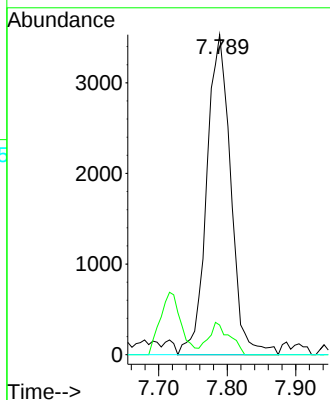
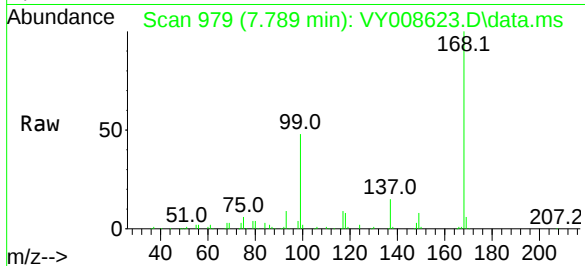




#36
1,1-Dichloropropene
Concen: 3.742 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

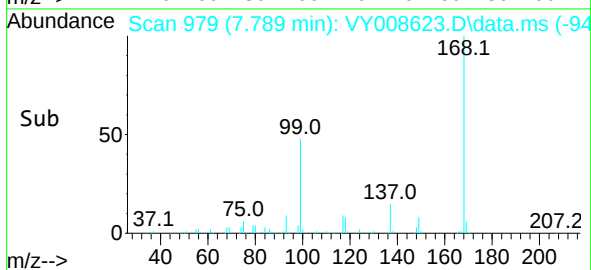
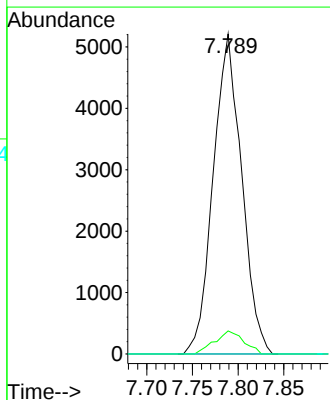
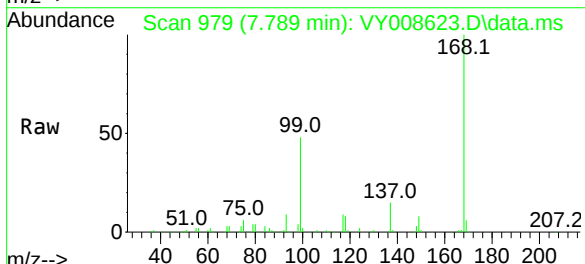
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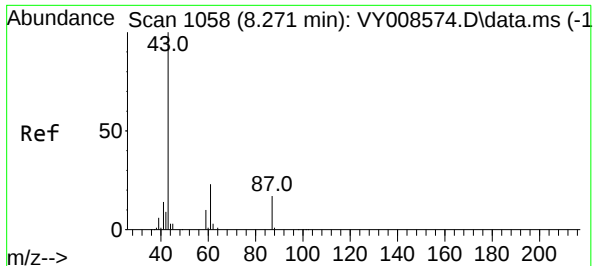
Tgt Ion: 75 Resp: 8601
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.297 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

Tgt Ion: 117 Resp: 11269
Ion Ratio Lower Upper
117 100
119 7.2 77.9 116.9#
121 0.0 24.8 37.2#

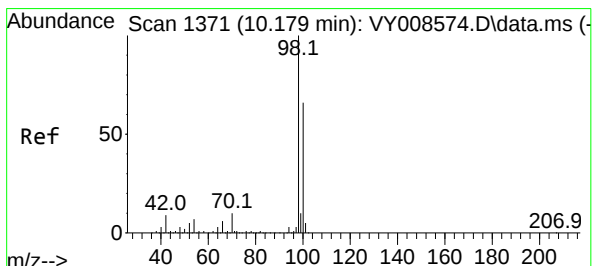
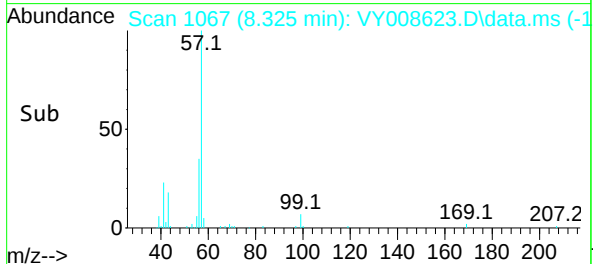
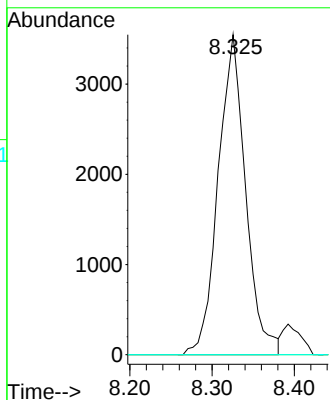
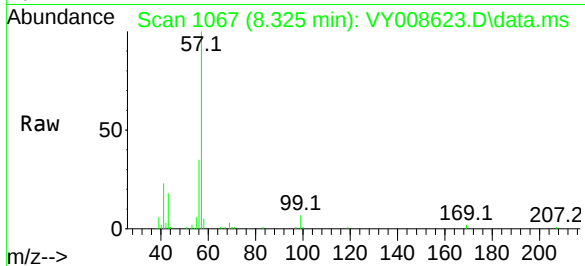




#43
Isopropyl Acetate
Concen: 3.839 ug/l
RT: 8.325 min Scan# 1067
Delta R.T. 0.055 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

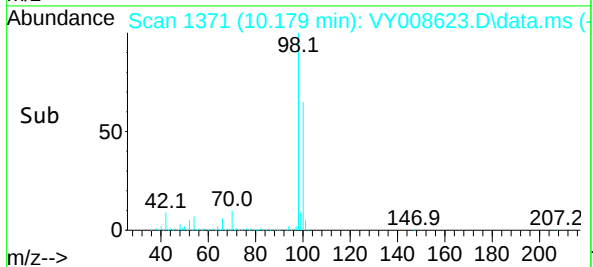
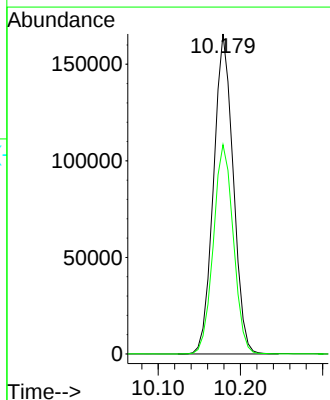
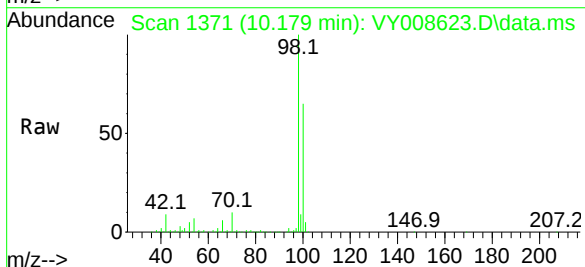
Instrument :
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ClientSampleId :
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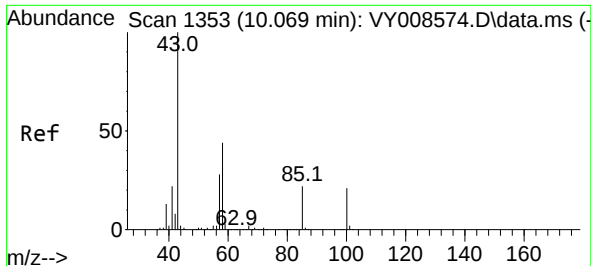
Tgt Ion: 43 Resp: 8234
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 0.0 8.9 13.3#



#50
Toluene-d8
Concen: 52.623 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

Tgt Ion: 98 Resp: 275608
Ion Ratio Lower Upper
98 100
100 66.4 50.2 75.2

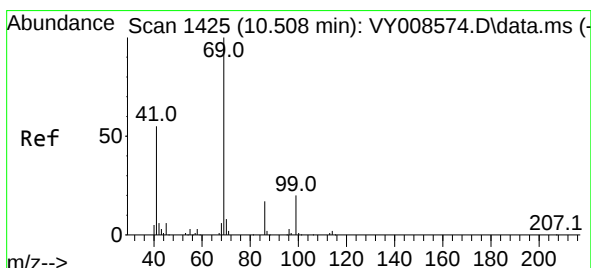
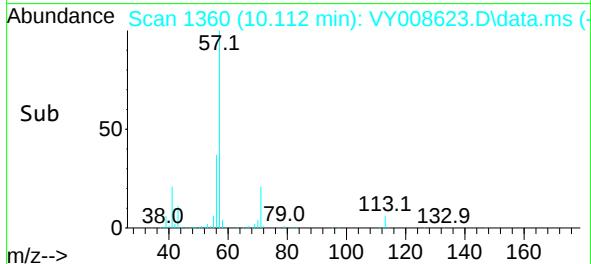
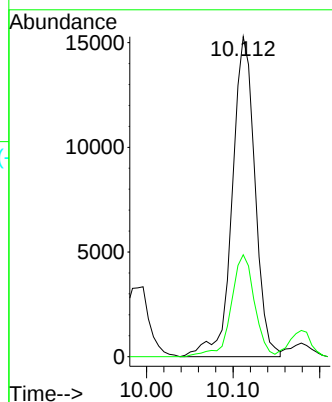
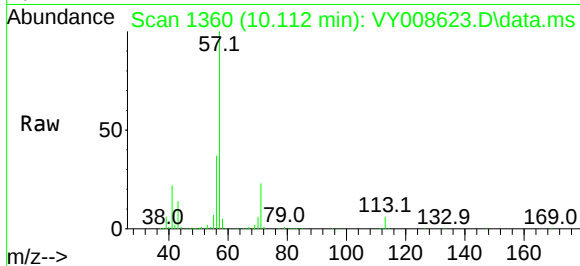




#51
4-Methyl-2-Pentanone
Concen: 24.766 ug/l
RT: 10.112 min Scan# 11
Delta R.T. 0.043 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

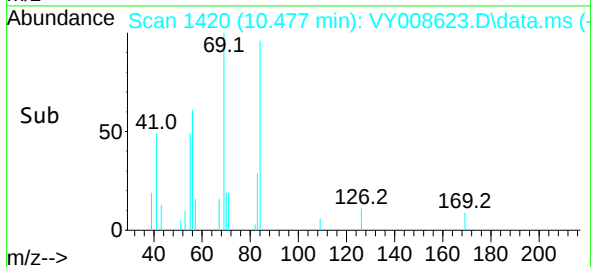
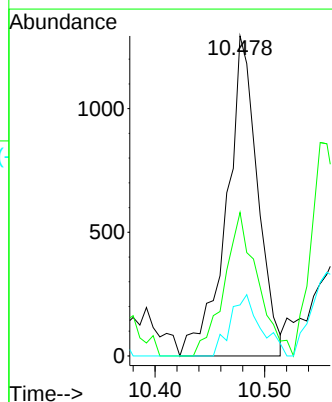
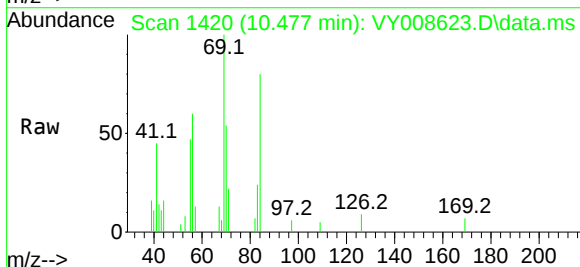
Instrument :
MSVOA_Y
ClientSampleId :
SB08-13-14-FT

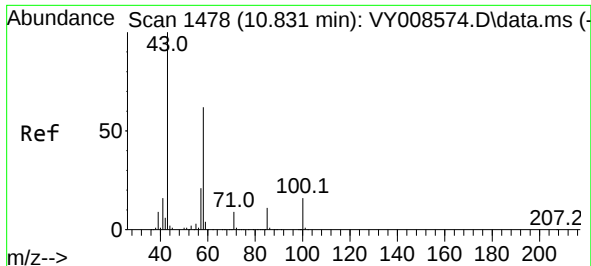
Tgt Ion: 43 Resp: 27883
Ion Ratio Lower Upper
43 100
58 32.7 28.1 42.1



#56
Ethyl methacrylate
Concen: 1.340 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.030 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

Tgt Ion: 69 Resp: 2550
Ion Ratio Lower Upper
69 100
41 48.4 63.4 95.0#
39 18.6 35.8 53.8#





#59

2-Hexanone

Concen: 35.843 ug/l

RT: 10.801 min Scan# 1478

Delta R.T. -0.030 min

Lab File: VY008623.D

Acq: 04 May 2022 19:31

Instrument :

MSVOA_Y

ClientSampleId :

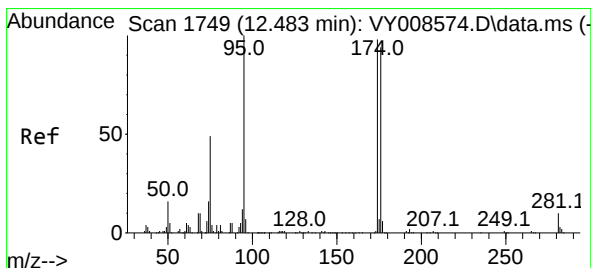
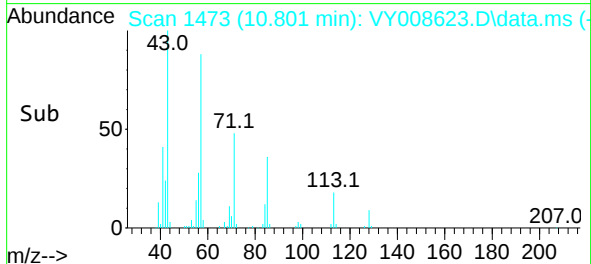
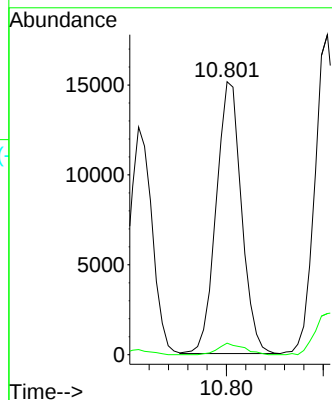
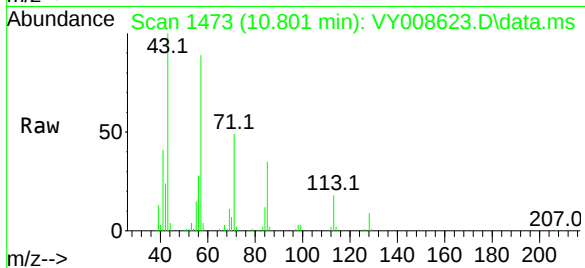
SB08-13-14-FT

Tgt Ion: 43 Resp: 27481

Ion Ratio Lower Upper

43 100

58 4.3 24.4 73.4#



#62

4-Bromofluorobenzene

Concen: 54.161 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008623.D

Acq: 04 May 2022 19:31

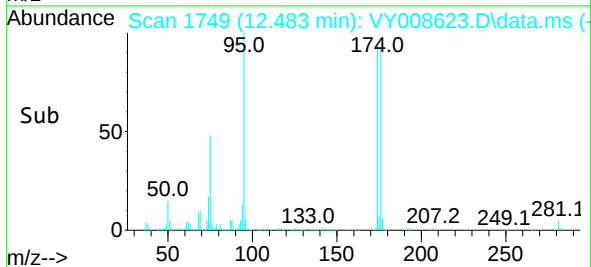
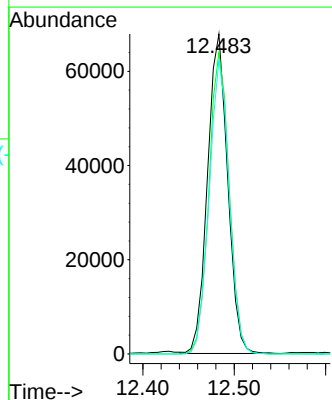
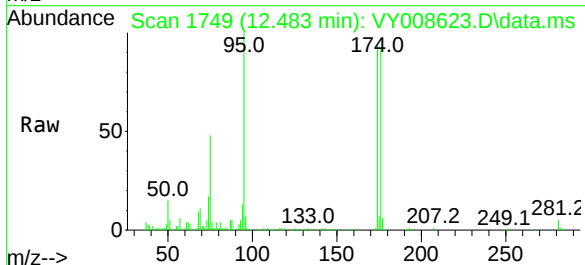
Tgt Ion: 95 Resp: 103969

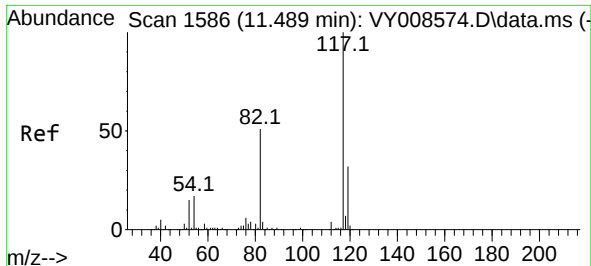
Ion Ratio Lower Upper

95 100

174 95.2 0.0 177.0

176 91.4 0.0 175.8

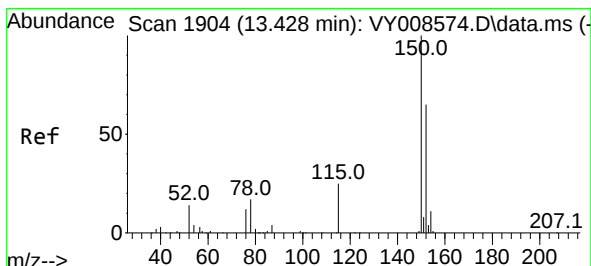
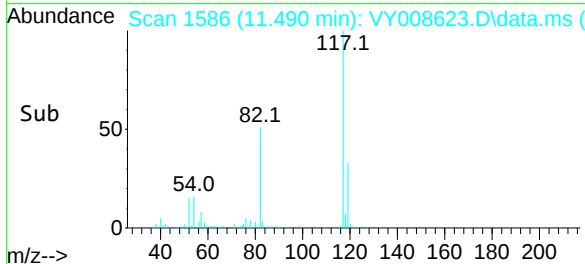
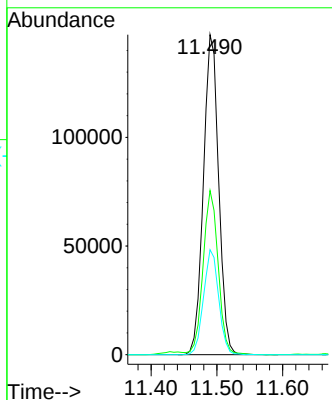
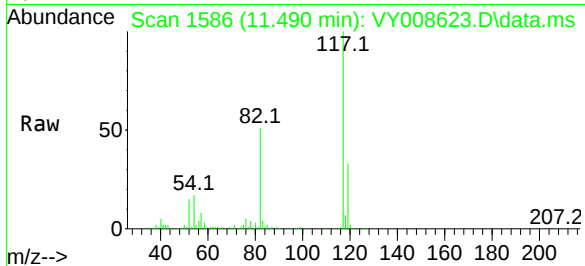




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

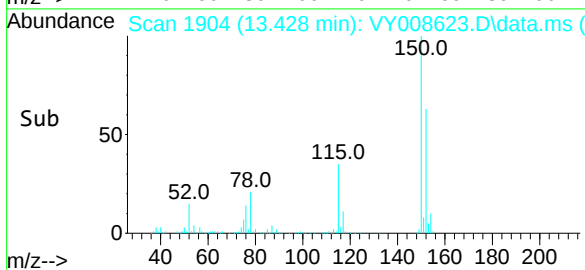
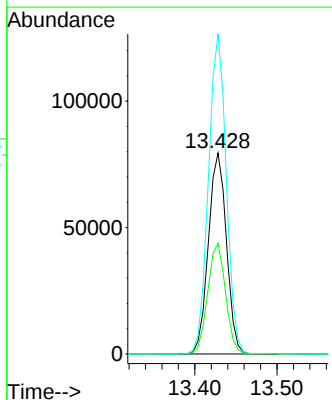
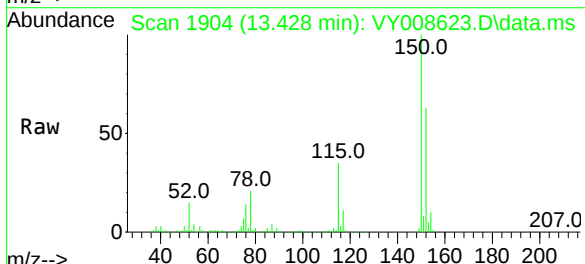
Instrument :
MSVOA_Y
ClientSampleId :
SB08-13-14-FT

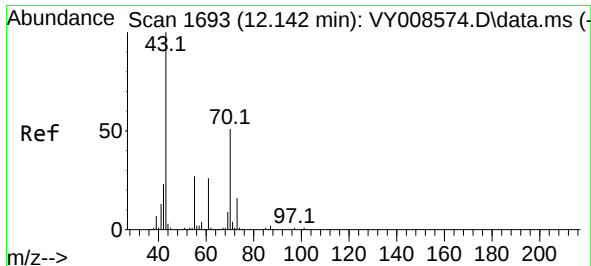
Tgt Ion:117 Resp: 237847
Ion Ratio Lower Upper
117 100
82 51.2 43.0 64.4
119 32.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

Tgt Ion:152 Resp: 121474
Ion Ratio Lower Upper
152 100
115 54.3 28.2 84.7
150 156.4 0.0 347.6

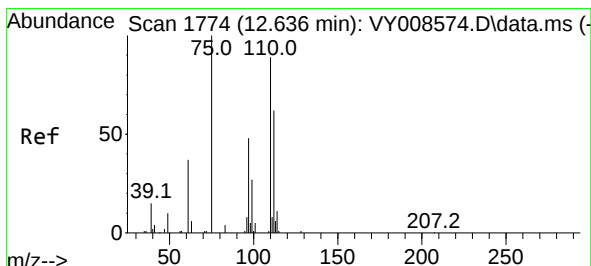
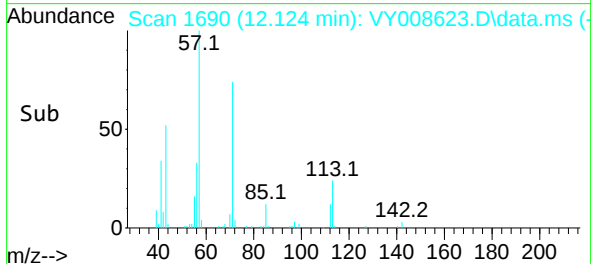
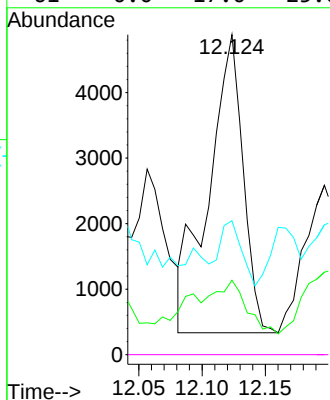
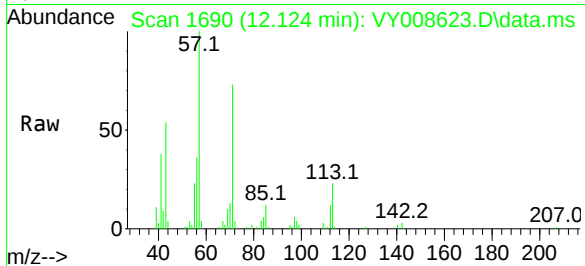




#74
N-amy1 acetate
Concen: 4.079 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

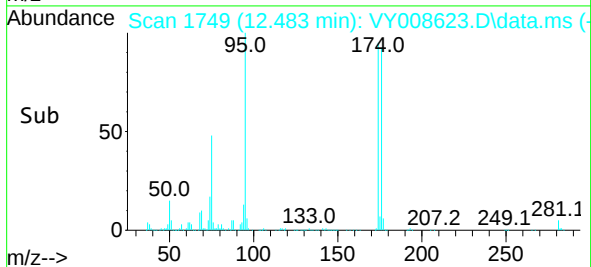
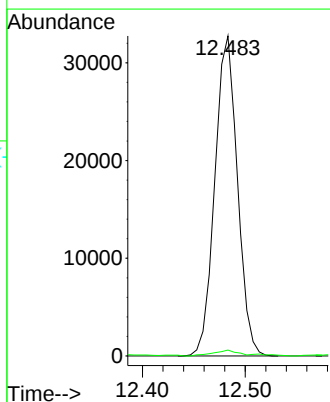
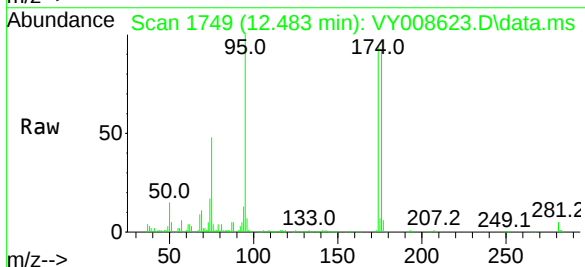
Instrument :
MSVOA_Y
ClientSampleId :
SB08-13-14-FT

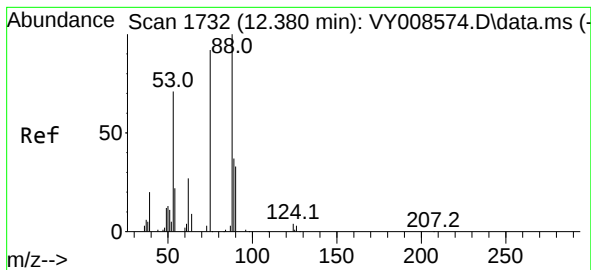
Tgt Ion: 43 Resp: 8639
Ion Ratio Lower Upper
43 100
70 14.9 28.7 43.1#
55 13.7 17.3 25.9#
61 0.0 17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 38.505 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008623.D
Acq: 04 May 2022 19:31

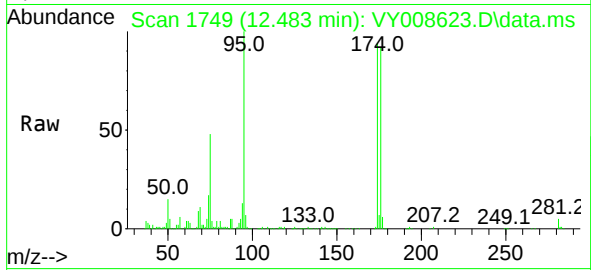
Tgt Ion: 75 Resp: 49930
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.066 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008623.D
 Acq: 04 May 2022 19:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB08-13-14-FT



Tgt Ion: 75 Resp: 49930
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

