

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009488.D
 Acq On : 08 Jul 2022 17:23
 Operator : KP/MD
 Sample : N3595-08
 Misc : 4.49g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220489B-7B

Quant Time: Jul 11 02:15:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 11:00:56 2022
 Response via : Initial Calibration

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

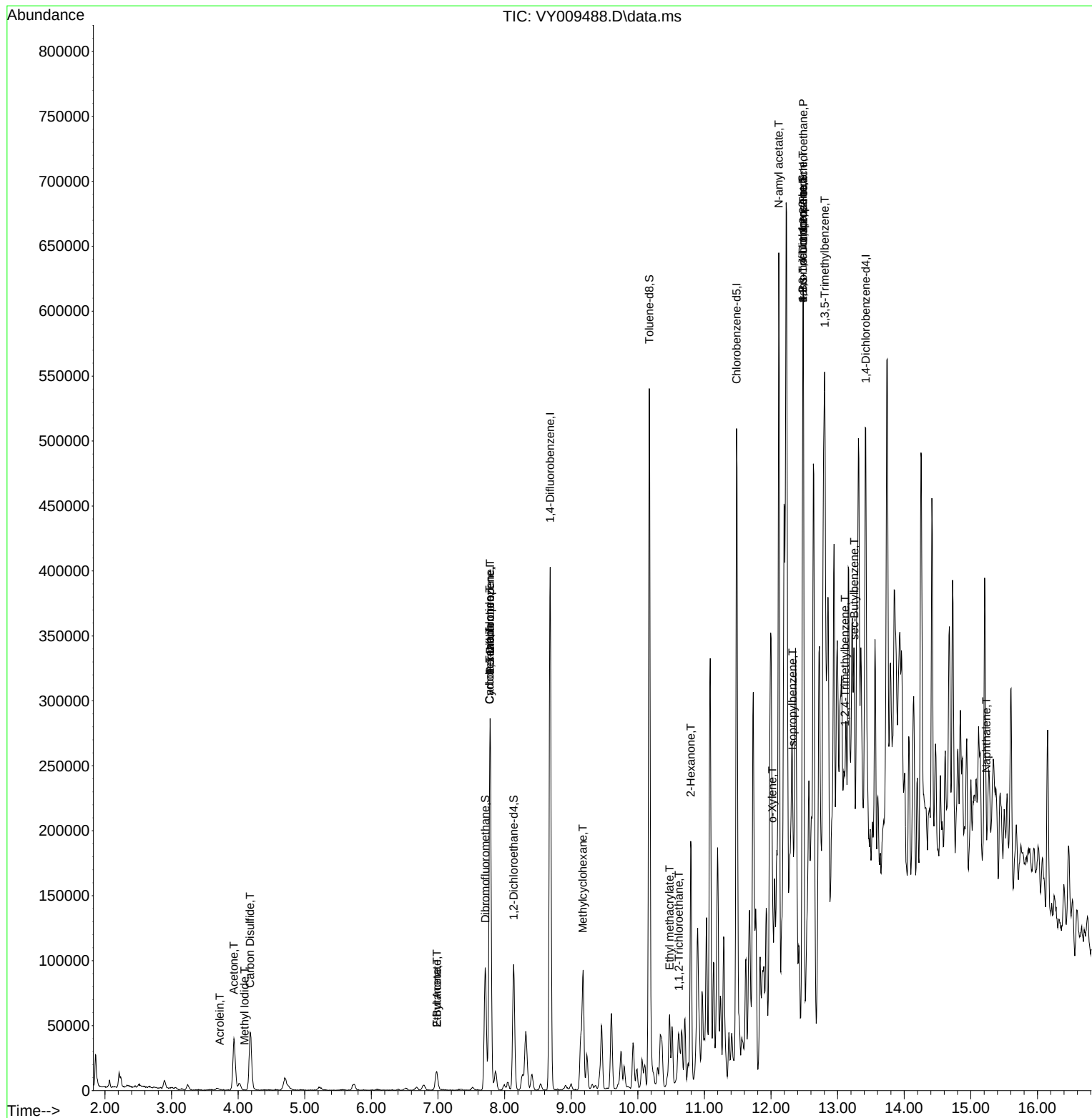
Internal Standards						
1) Pentafluorobenzene	7.783	168	219045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	337838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	261057	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	93426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69598	44.377	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.760%		
35) Dibromofluoromethane	7.710	113	64073	36.045	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	72.080%		
50) Toluene-d8	10.173	98	269105	56.227	ug/l	0.00
Spiked Amount 50.000	Range 78 - 125		Recovery =	112.460%		
62) 4-Bromofluorobenzene	12.477	95	90119	35.915	ug/l	0.00
Spiked Amount 50.000	Range 50 - 146		Recovery =	71.840%		
Target Compounds						Qvalue
10) Methyl Iodide	4.094	142	115	4.203	ug/l #	35
11) Tert butyl alcohol	4.924	59	703	Below Cal	#	77
13) Acrolein	3.723	56	737	33.976	ug/l #	14
16) Acetone	3.936	43	66635	125.052	ug/l	93
17) Carbon Disulfide	4.180	76	88165	17.918	ug/l	99
20) Methylene Chloride	4.698	84	5099	Below Cal	#	85
23) Vinyl Acetate	6.058	43	60	Below Cal	#	75
25) 2-Butanone	6.984	43	20336	23.592	ug/l	99
31) Cyclohexane	7.777	56	8342	2.321	ug/l #	42
36) 1,1-Dichloropropene	7.783	75	15899	5.494	ug/l #	51
37) Ethyl Acetate	6.984	43	20336	11.210	ug/l #	72
38) Carbon Tetrachloride	7.777	117	20610	6.659	ug/l #	15
39) Methylcyclohexane	9.173	83	35146	10.117	ug/l	97
55) 1,1,2-Trichloroethane	10.618	97	13252	7.277	ug/l #	23
56) Ethyl methacrylate	10.477	69	15693	6.491	ug/l #	75
59) 2-Hexanone	10.794	43	72733	58.968	ug/l #	33
69) o-Xylene	12.020	106	3618	1.081	ug/l	87
73) Isopropylbenzene	12.325	105	9879	1.546	ug/l	100
74) N-amyl acetate	12.117	43	129170	71.054	ug/l #	66
75) 1,1,2,2-Tetrachloroethane	12.483	83	6462	5.051	ug/l	82
76) 1,2,3-Trichloropropane	12.477	75	43123	43.603	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.806	105	11535	2.160	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	43123	89.240	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.111	105	12537	2.358	ug/l	97
85) sec-Butylbenzene	13.251	105	16008	2.288	ug/l #	62
95) Naphthalene	15.233	128	6156	1.735	ug/l #	69

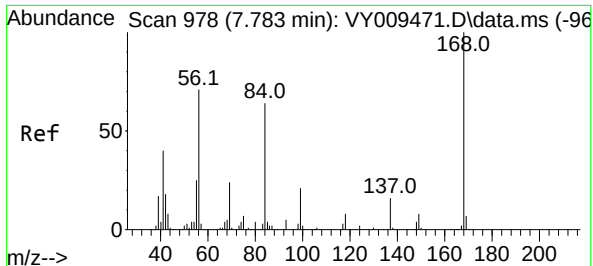
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
Data File : VY009488.D
Acq On : 08 Jul 2022 17:23
Operator : KP/MD
Sample : N3595-08
Misc : 4.49g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

Quant Time: Jul 11 02:15:31 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070722S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 08 11:00:56 2022
Response via : Initial Calibration

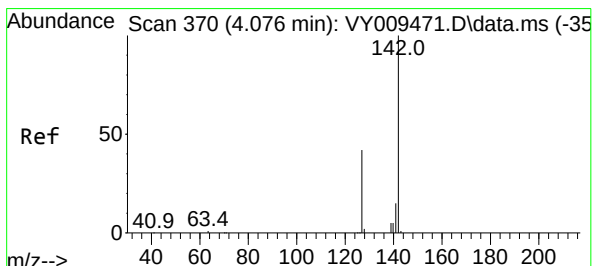
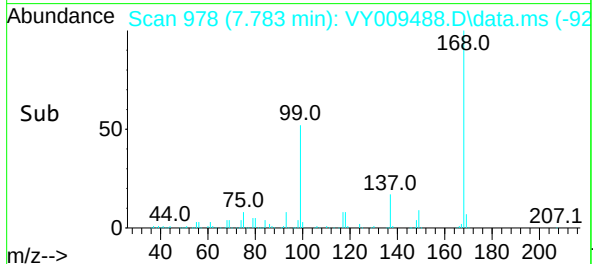
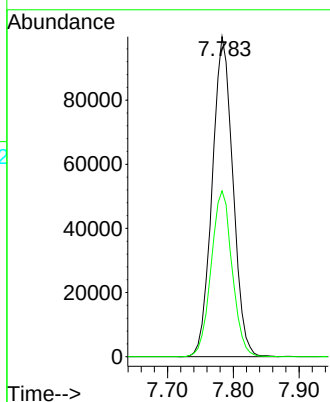
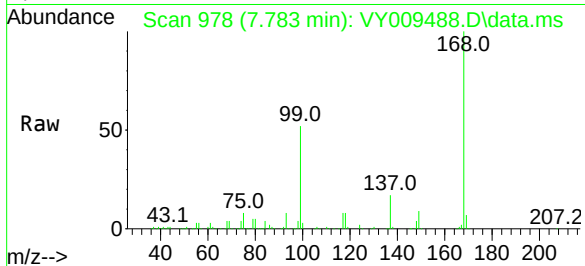




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

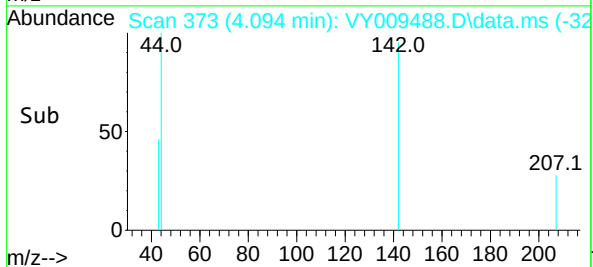
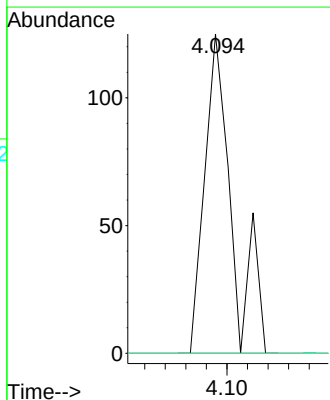
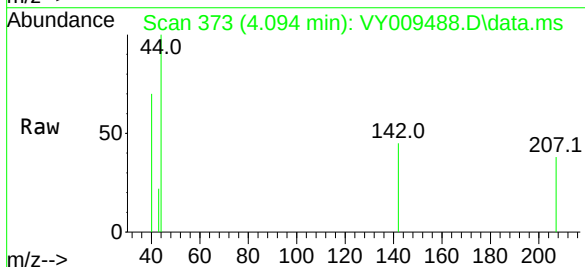
Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

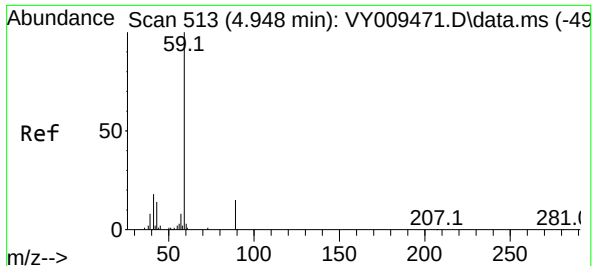
Tgt Ion:168 Resp: 219045
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#10
Methyl Iodide
Concen: 4.203 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.018 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Tgt Ion:142 Resp: 115
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.024 min

Lab File: VY009488.D

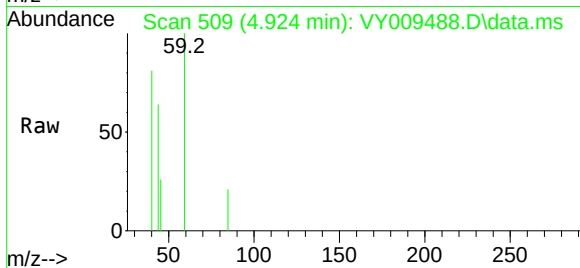
Acq: 08 Jul 2022 17:23

Instrument :

MSVOA_Y

ClientSampleId :

20220489B-7B

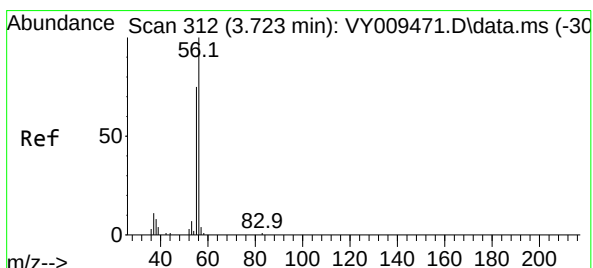
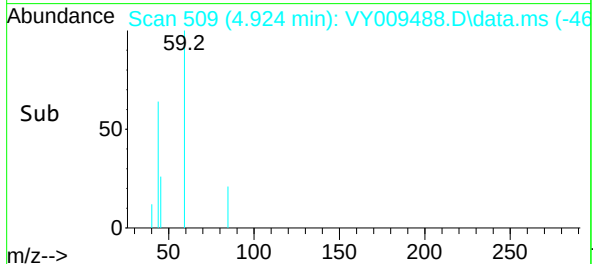
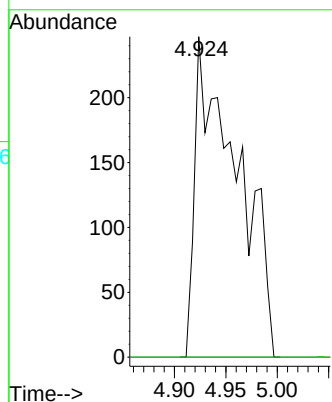


Tgt Ion: 59 Resp: 703

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 33.976 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY009488.D

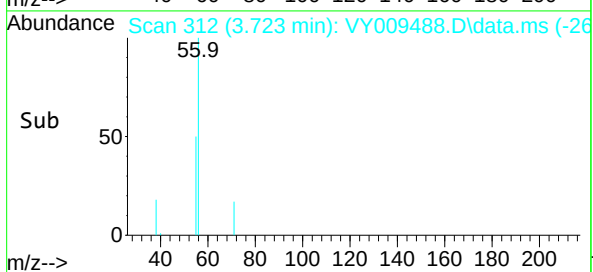
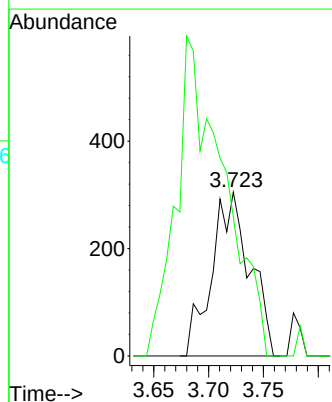
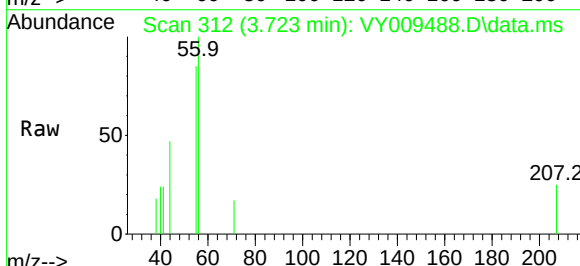
Acq: 08 Jul 2022 17:23

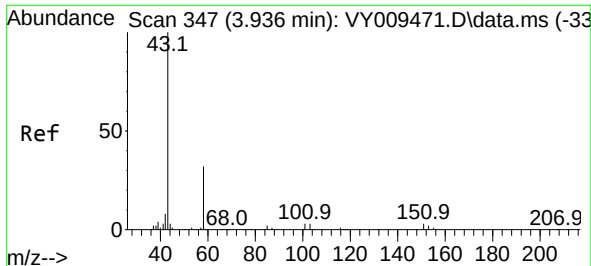
Tgt Ion: 56 Resp: 737

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

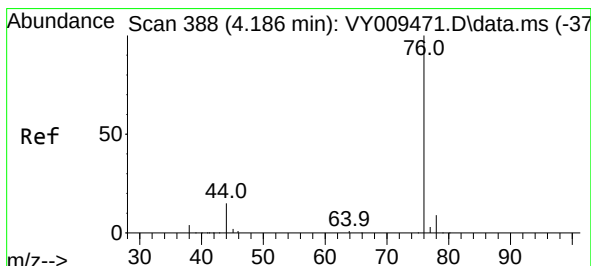
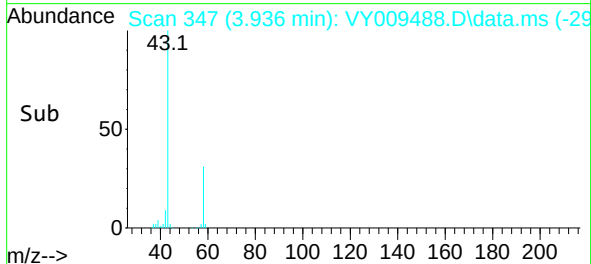
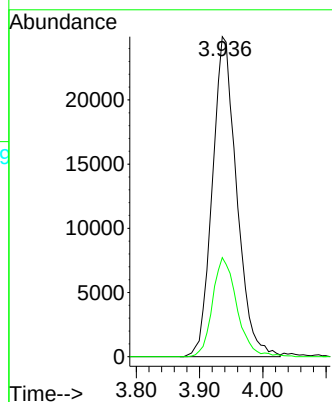
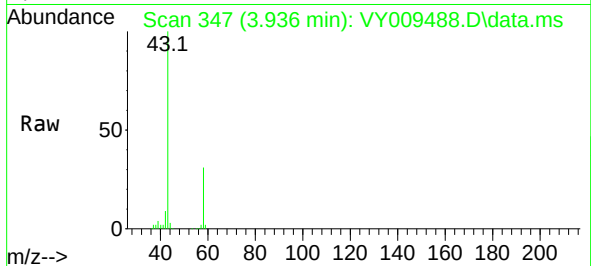




#16
Acetone
Concen: 125.052 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

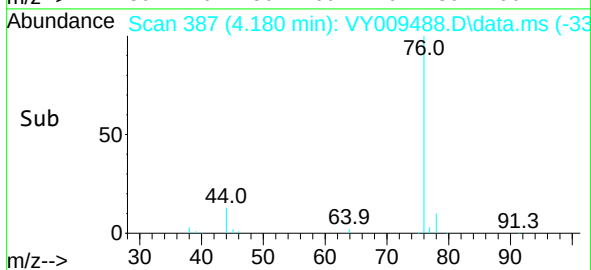
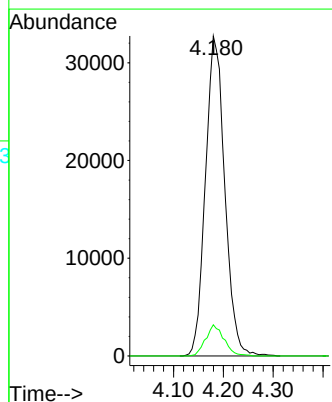
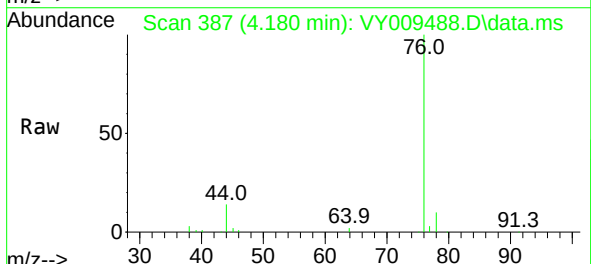
Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

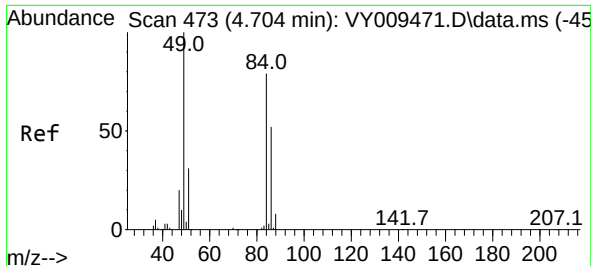
Tgt Ion: 43 Resp: 66635
Ion Ratio Lower Upper
43 100
58 30.9 22.0 33.0



#17
Carbon Disulfide
Concen: 17.918 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Tgt Ion: 76 Resp: 88165
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0

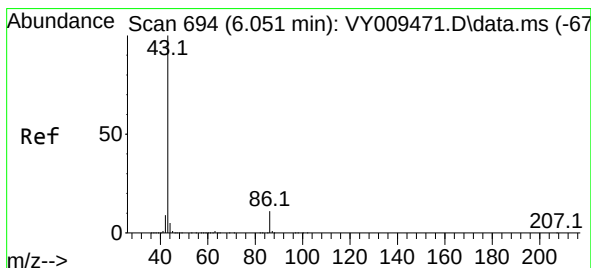
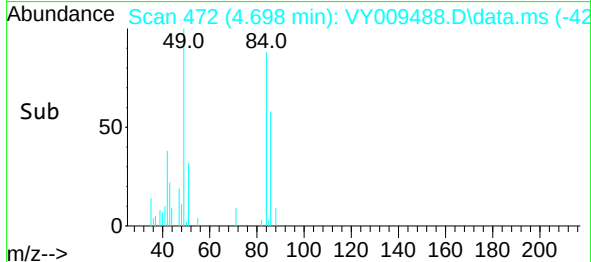
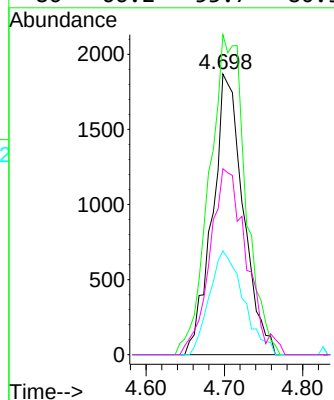
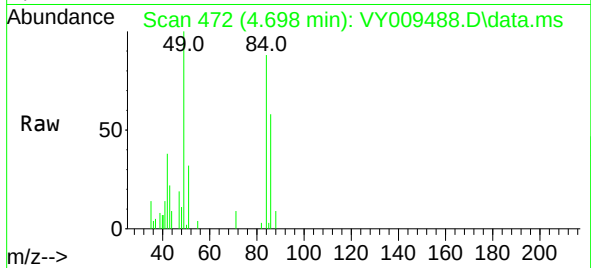




#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

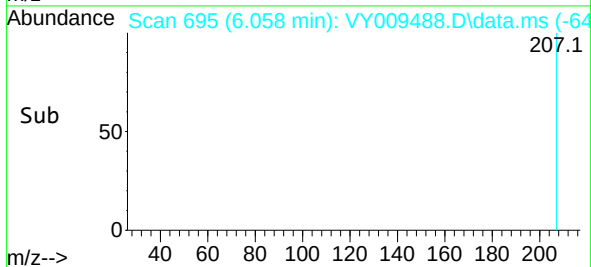
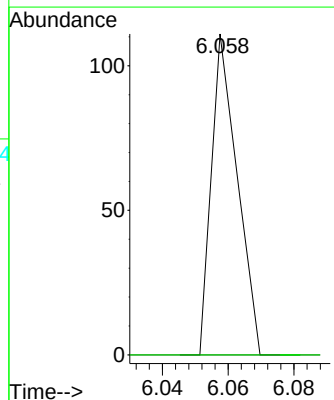
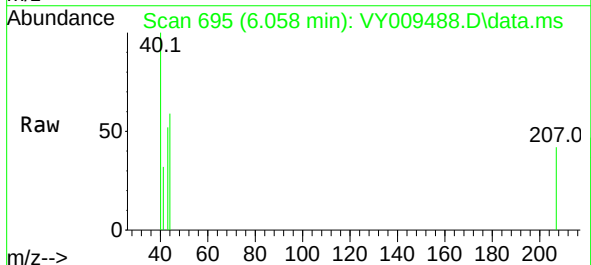
Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

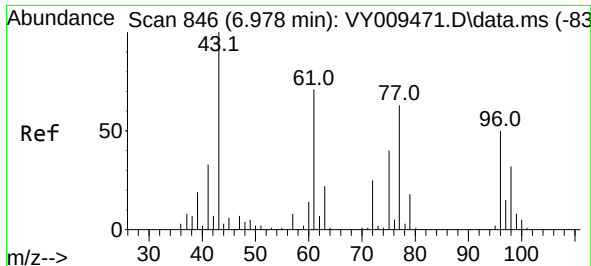
Tgt Ion: 84 Resp: 5099
Ion Ratio Lower Upper
84 100
49 114.0 114.4 171.6#
51 36.9 35.3 52.9
86 66.2 53.7 80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.058 min Scan# 695
Delta R.T. 0.006 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#





#25

2-Butanone

Concen: 23.592 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY009488.D

Acq: 08 Jul 2022 17:23

Instrument :

MSVOA_Y

ClientSampleId :

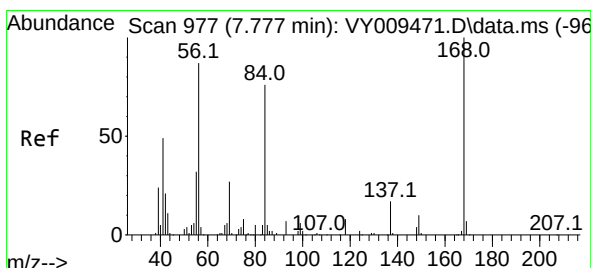
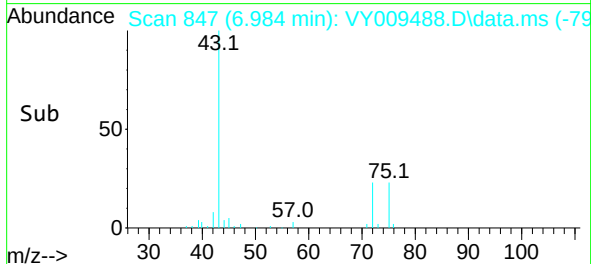
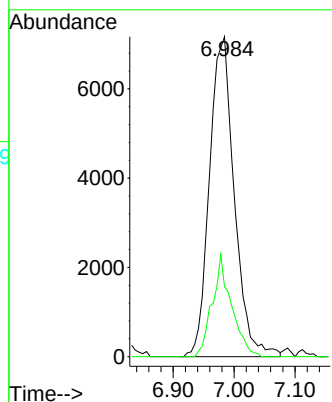
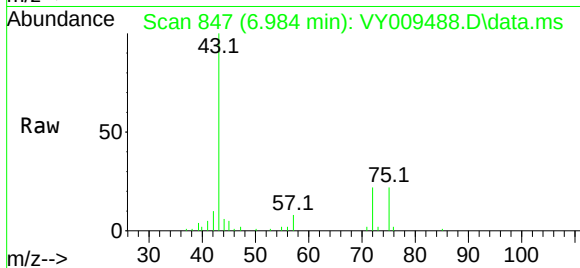
20220489B-7B

Tgt Ion: 43 Resp: 20336

Ion Ratio Lower Upper

43 100

72 21.8 17.7 26.5



#31

Cyclohexane

Concen: 2.321 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY009488.D

Acq: 08 Jul 2022 17:23

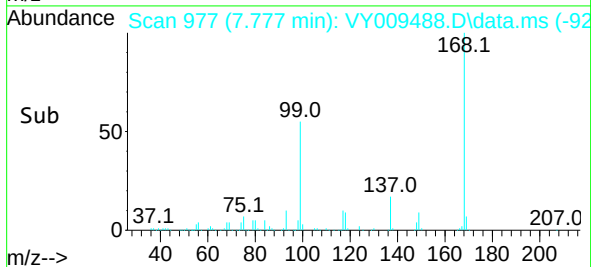
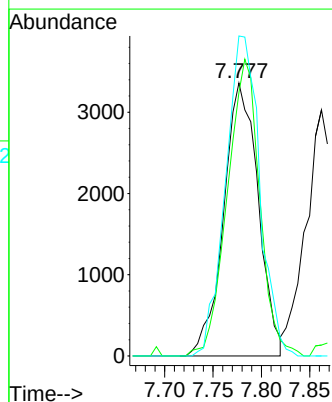
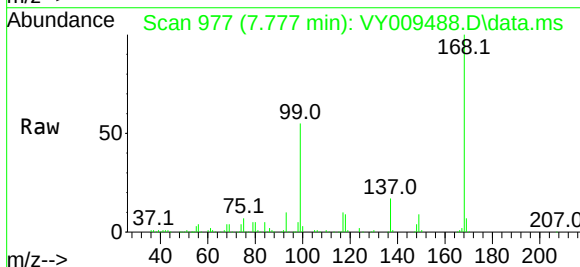
Tgt Ion: 56 Resp: 8342

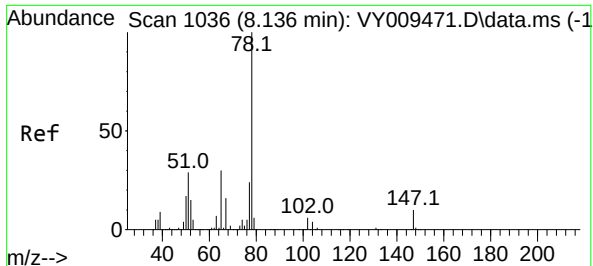
Ion Ratio Lower Upper

56 100

69 96.5 26.7 40.1#

84 117.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 44.377 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY009488.D

Acq: 08 Jul 2022 17:23

Instrument :

MSVOA_Y

ClientSampleId :

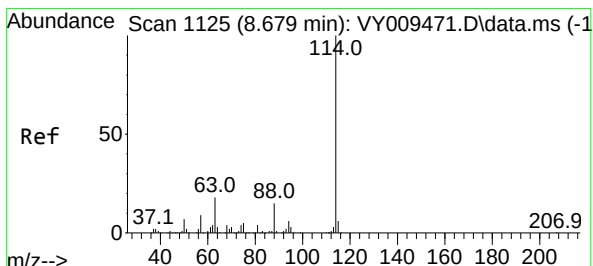
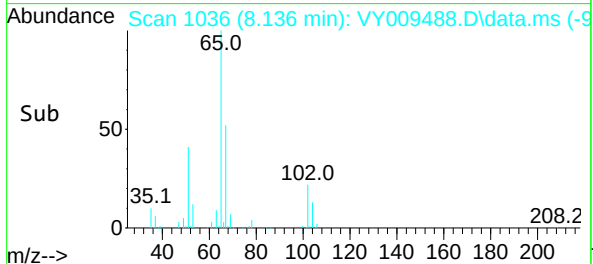
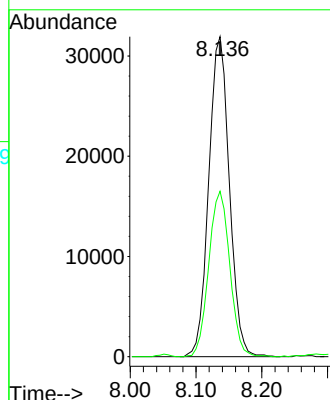
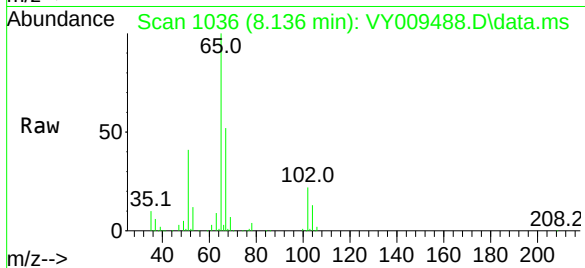
20220489B-7B

Tgt Ion: 65 Resp: 69598

Ion Ratio Lower Upper

65 100

67 52.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY009488.D

Acq: 08 Jul 2022 17:23

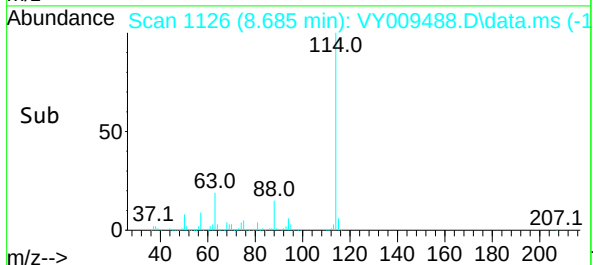
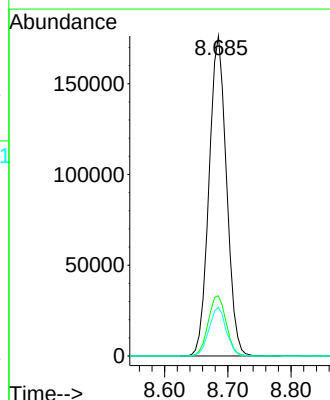
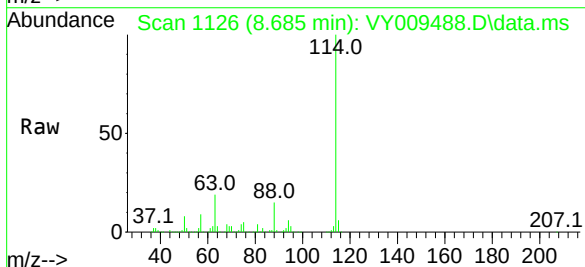
Tgt Ion: 114 Resp: 337838

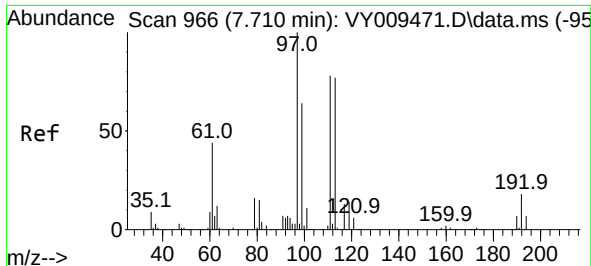
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.2 0.0 31.8

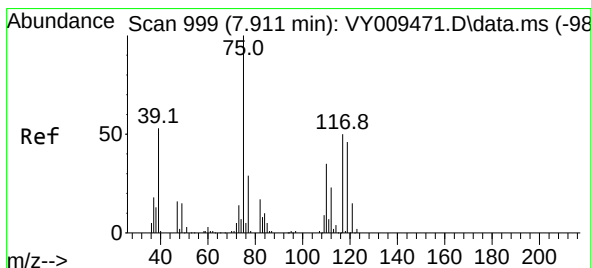
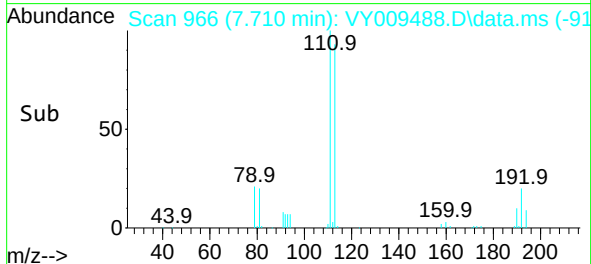
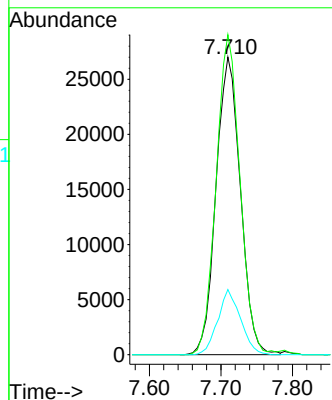
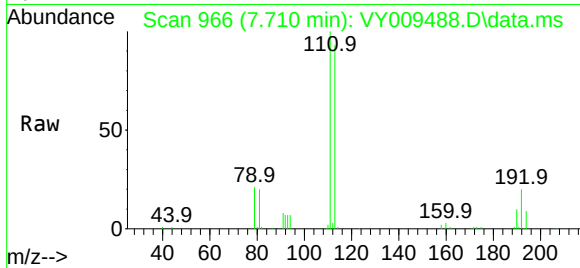




#35
Dibromofluoromethane
Concen: 36.045 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

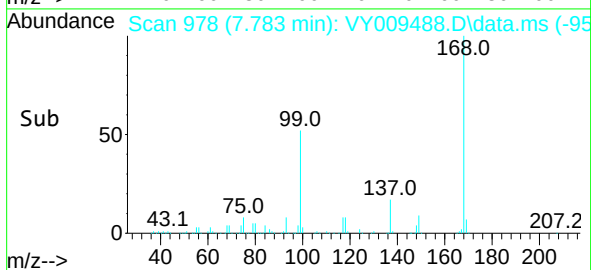
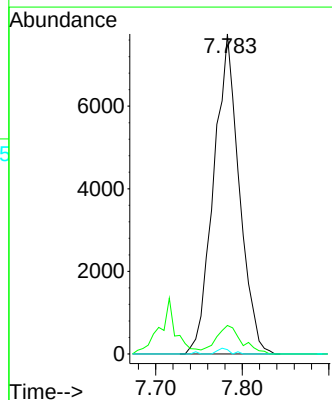
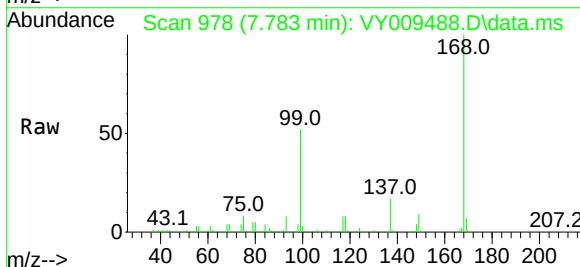
Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

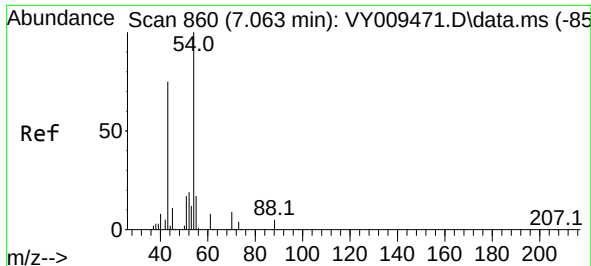
Tgt Ion:113 Resp: 64073
Ion Ratio Lower Upper
113 100
111 104.7 82.6 124.0
192 20.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.494 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Tgt Ion: 75 Resp: 15899
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.9 24.4 36.6#





#37

Ethyl Acetate

Concen: 11.210 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.079 min

Lab File: VY009488.D

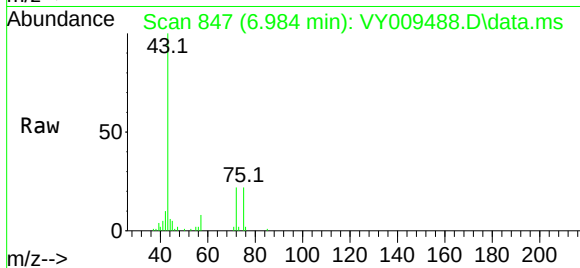
Acq: 08 Jul 2022 17:23

Instrument :

MSVOA_Y

ClientSampleId :

20220489B-7B



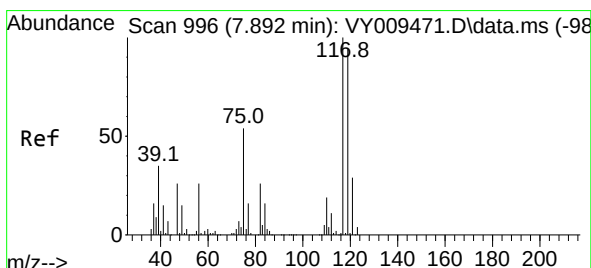
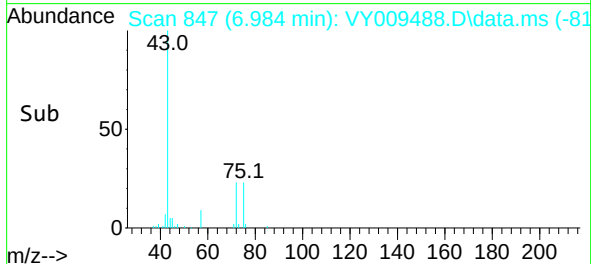
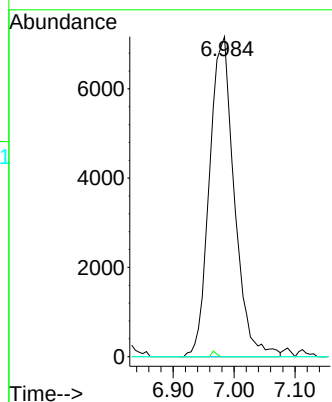
Tgt Ion: 43 Resp: 20336

Ion Ratio Lower Upper

43 100

61 0.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.659 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.115 min

Lab File: VY009488.D

Acq: 08 Jul 2022 17:23

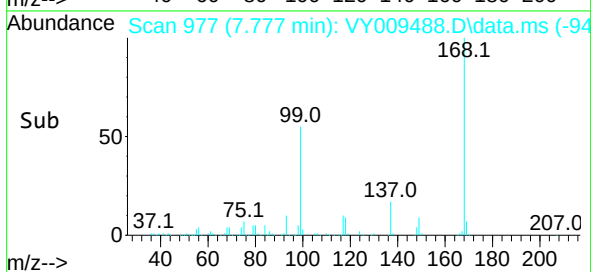
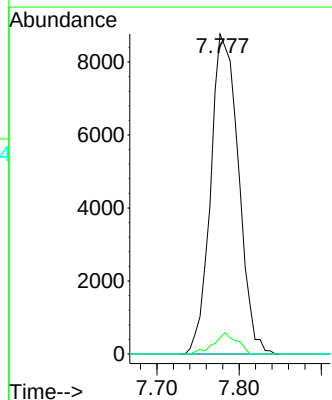
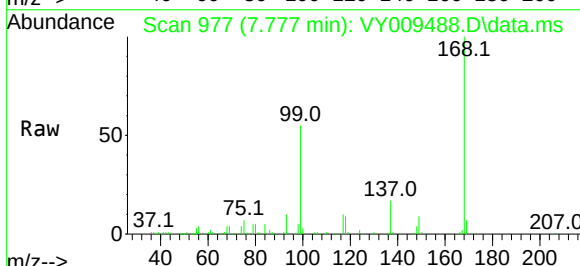
Tgt Ion: 117 Resp: 20610

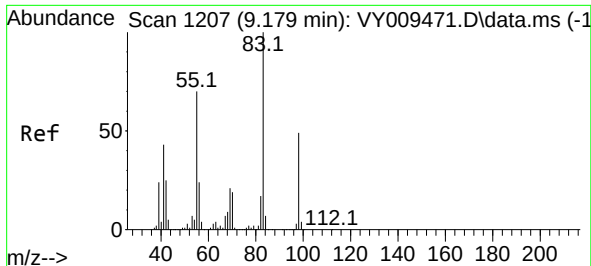
Ion Ratio Lower Upper

117 100

119 5.0 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 10.117 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY009488.D

Acq: 08 Jul 2022 17:23

Instrument :

MSVOA_Y

ClientSampleId :

20220489B-7B

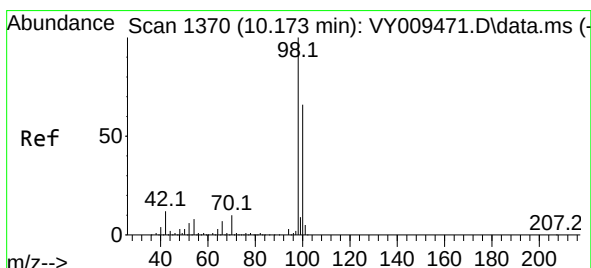
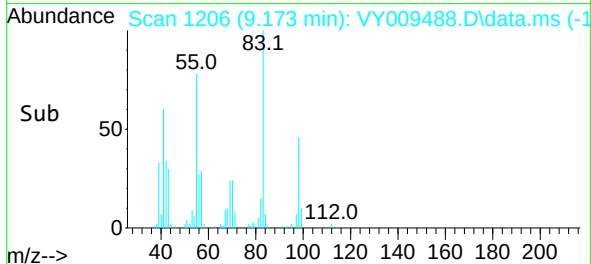
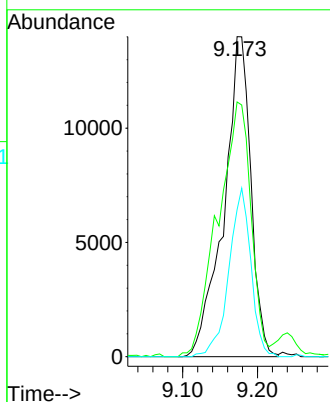
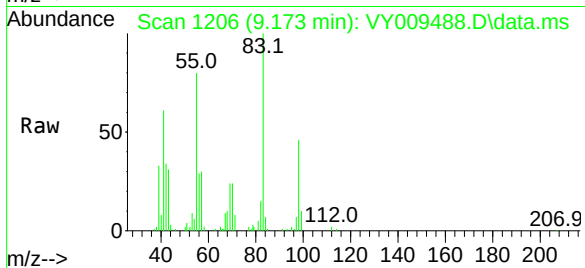
Tgt Ion: 83 Resp: 35146

Ion Ratio Lower Upper

83 100

55 79.6 66.5 99.7

98 45.9 37.9 56.9



#50

Toluene-d8

Concen: 56.227 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.000 min

Lab File: VY009488.D

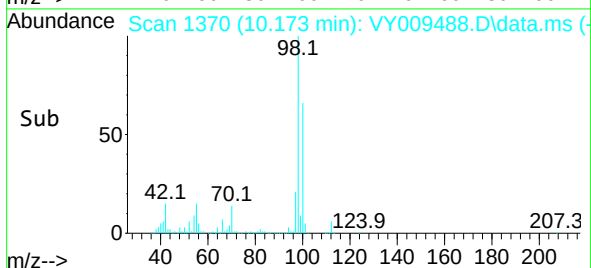
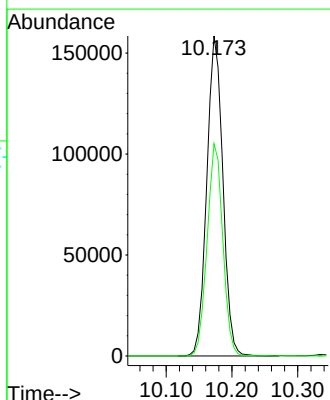
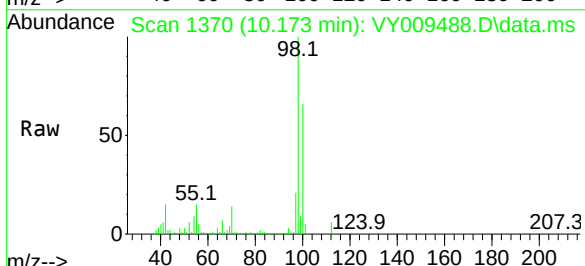
Acq: 08 Jul 2022 17:23

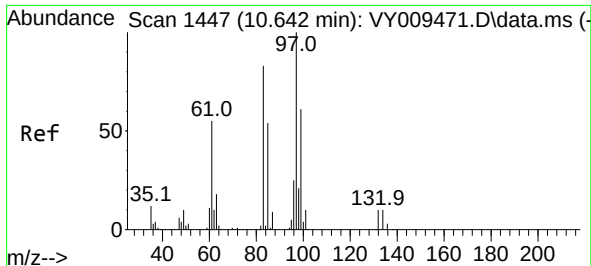
Tgt Ion: 98 Resp: 269105

Ion Ratio Lower Upper

98 100

100 64.7 50.2 75.2

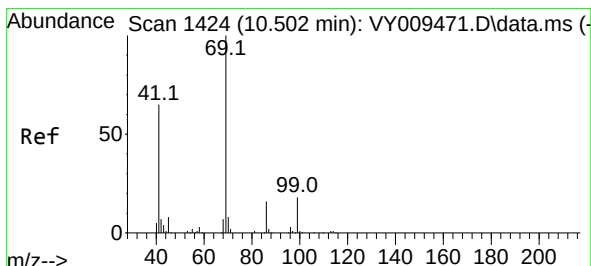
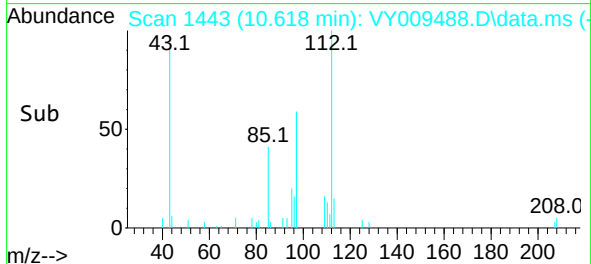
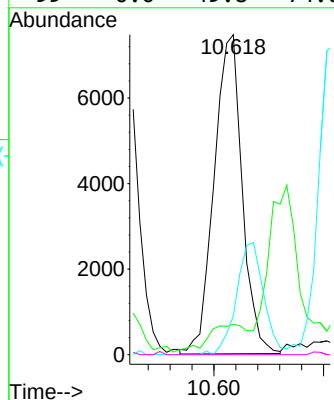
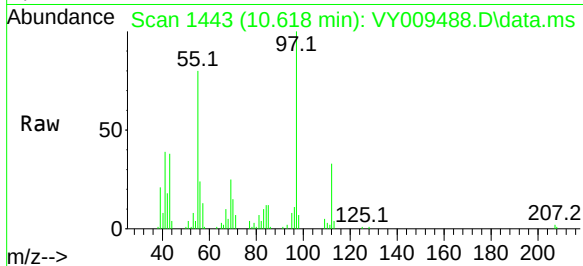




#55
1,1,2-Trichloroethane
Concen: 7.277 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.024 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

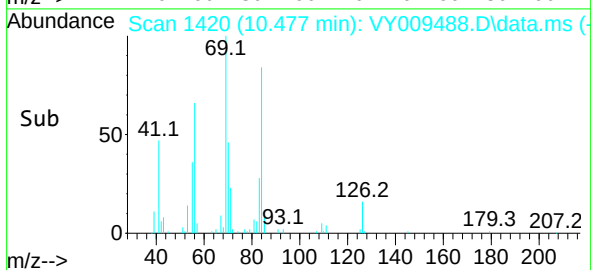
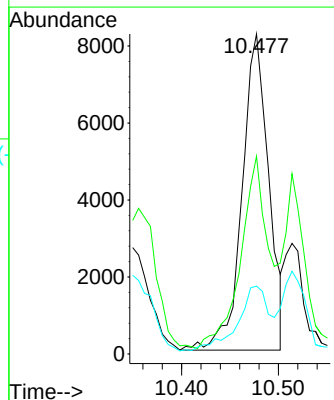
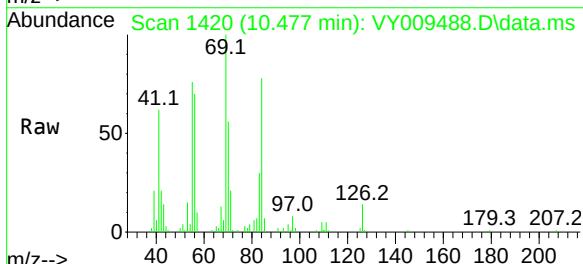
Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

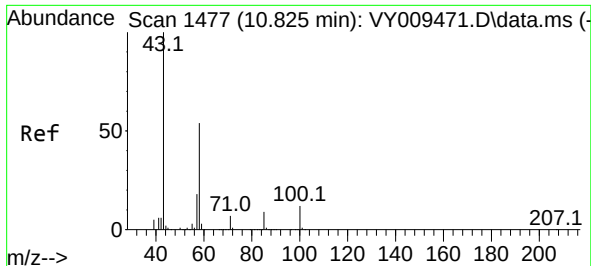
Tgt Ion: 97	Resp: 13252
Ion Ratio	Lower Upper
97 100	
83 8.0	69.8 104.8#
85 12.3	44.3 66.5#
99 0.0	49.8 74.6#



#56
Ethyl methacrylate
Concen: 6.491 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.025 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Tgt Ion: 69	Resp: 15693
Ion Ratio	Lower Upper
69 100	
41 61.0	63.4 95.0#
39 23.8	35.8 53.8#

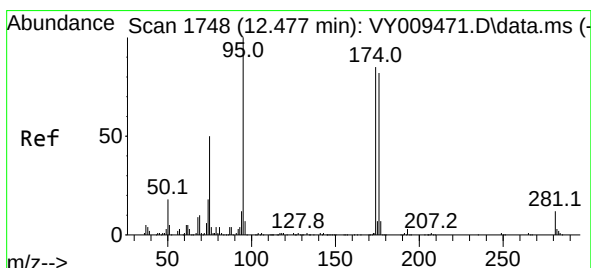
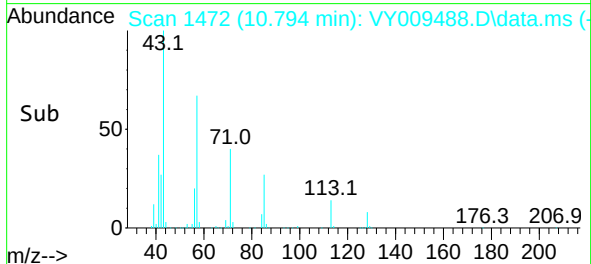
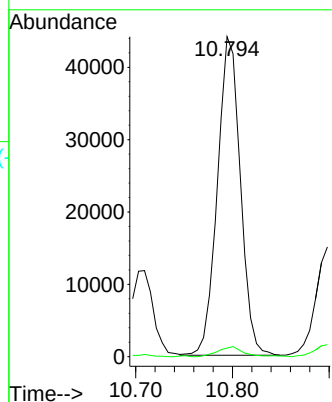
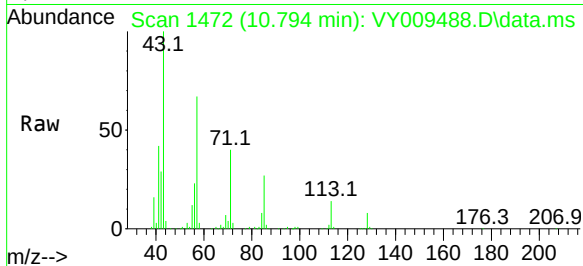




#59
2-Hexanone
Concen: 58.968 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.031 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

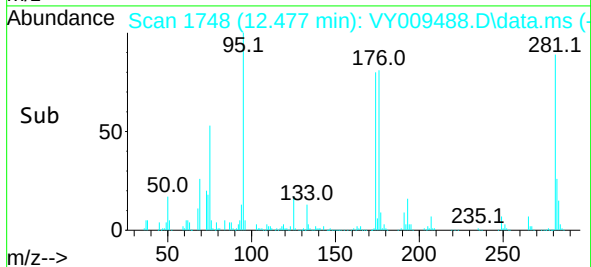
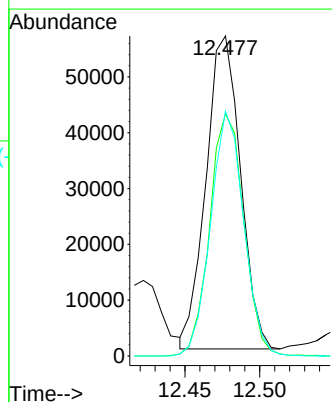
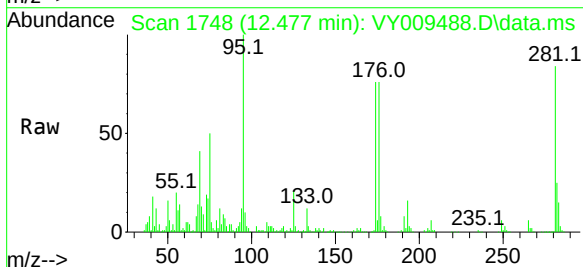
Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

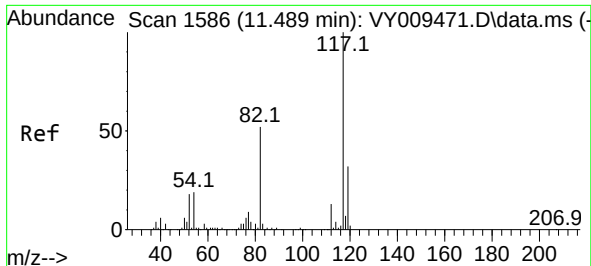
Tgt Ion: 43 Resp: 72733
Ion Ratio Lower Upper
43 100
58 3.5 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 35.915 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Tgt Ion: 95 Resp: 90119
Ion Ratio Lower Upper
95 100
174 76.5 0.0 177.0
176 74.7 0.0 175.8

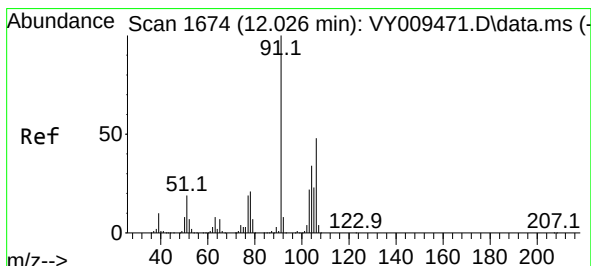
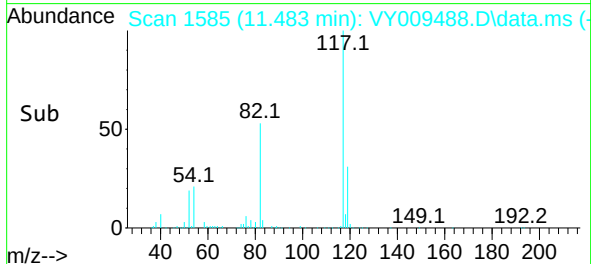
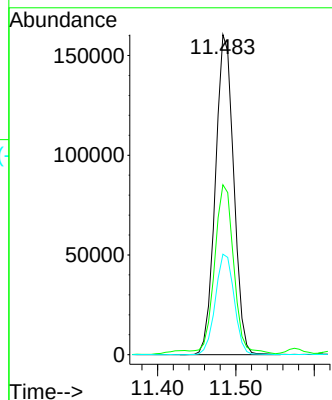
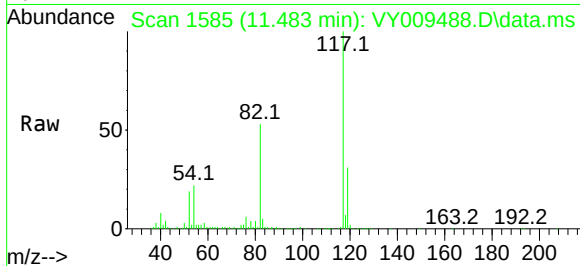




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

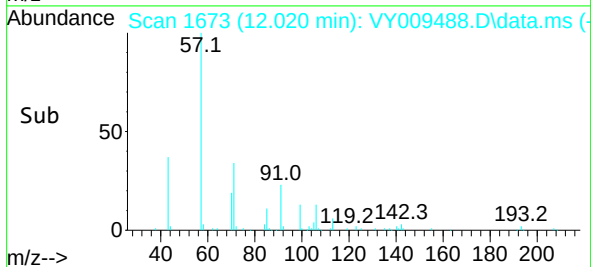
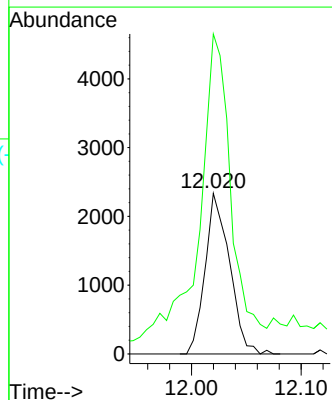
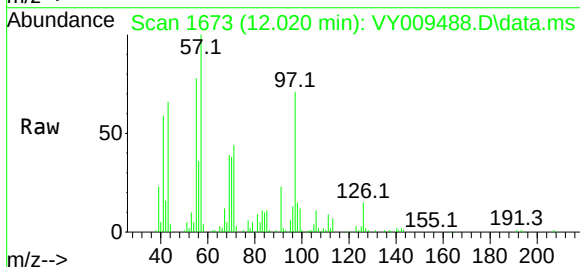
Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

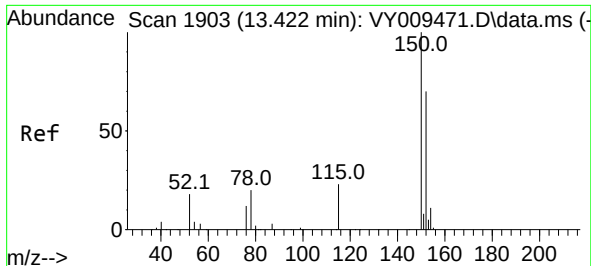
Tgt Ion:117 Resp: 261057
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 31.4 25.4 38.0



#69
o-Xylene
Concen: 1.081 ug/l
RT: 12.020 min Scan# 1673
Delta R.T. -0.006 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Tgt Ion:106 Resp: 3618
Ion Ratio Lower Upper
106 100
91 242.4 110.3 331.0

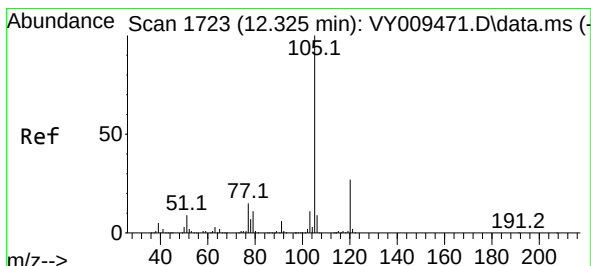
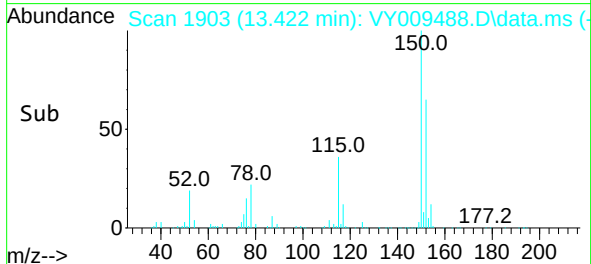
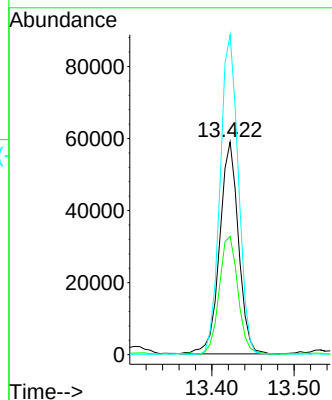
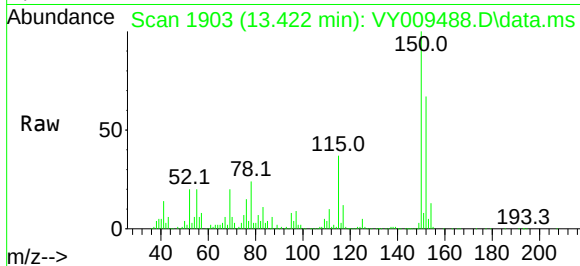




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009488.D
 Acq: 08 Jul 2022 17:23

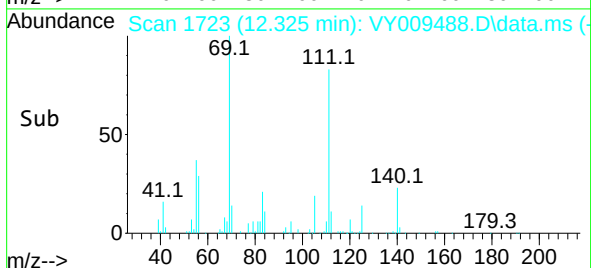
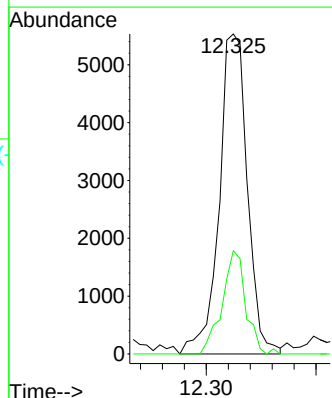
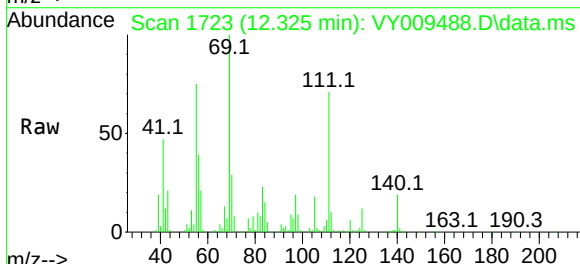
Instrument :
 MSVOA_Y
 ClientSampleId :
 20220489B-7B

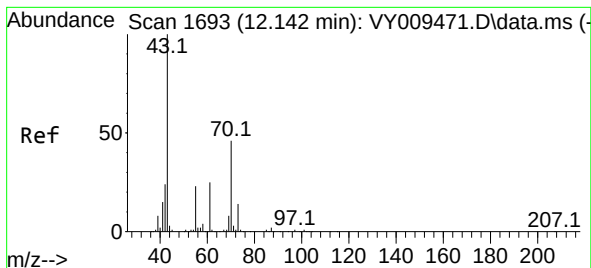
Tgt Ion:152 Resp: 93426
 Ion Ratio Lower Upper
 152 100
 115 55.6 28.2 84.7
 150 146.3 0.0 347.6



#73
 Isopropylbenzene
 Concen: 1.546 ug/l
 RT: 12.325 min Scan# 1723
 Delta R.T. -0.000 min
 Lab File: VY009488.D
 Acq: 08 Jul 2022 17:23

Tgt Ion:105 Resp: 9879
 Ion Ratio Lower Upper
 105 100
 120 27.0 13.4 40.2

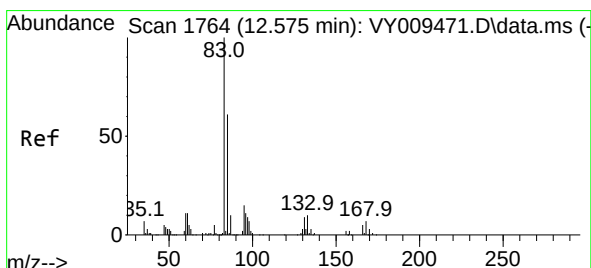
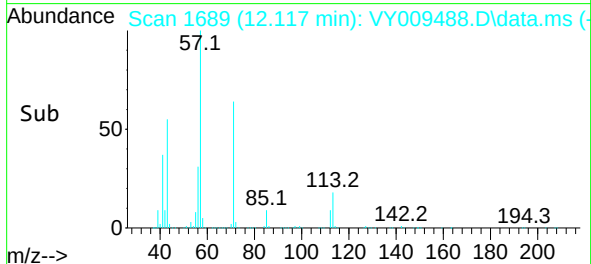
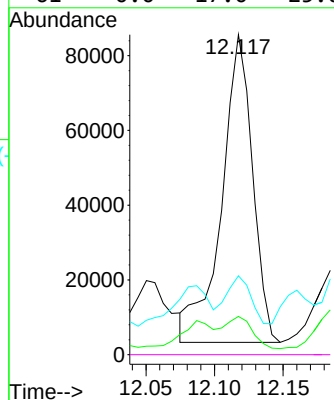
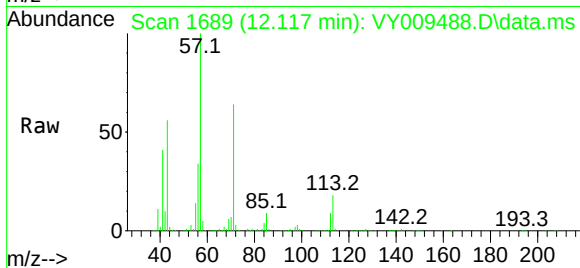




#74
N-amy1 acetate
Concen: 71.054 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

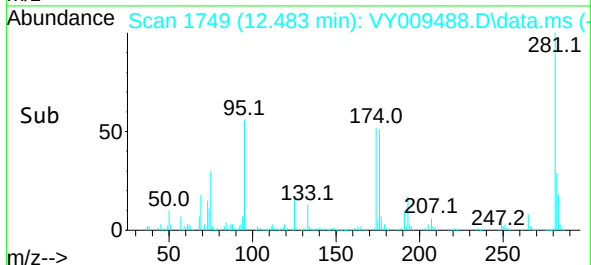
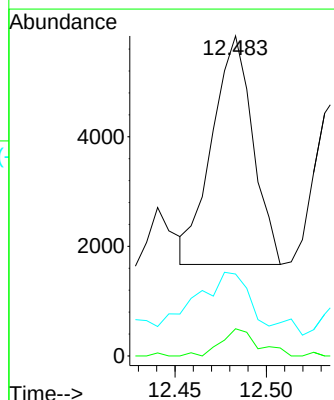
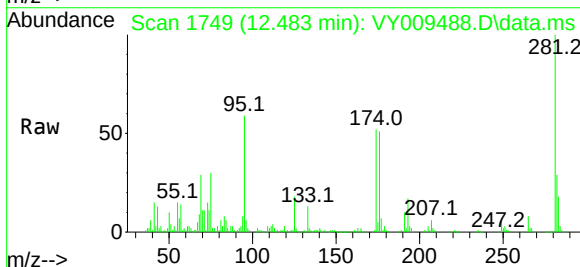
Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

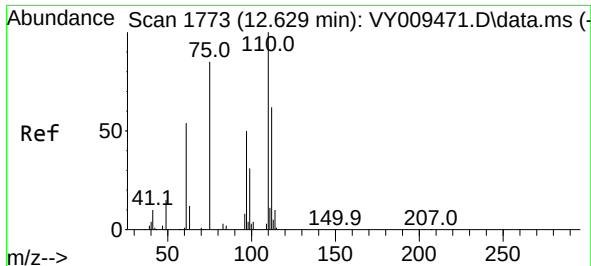
Tgt Ion: 43 Resp: 129170
Ion Ratio Lower Upper
43 100
70 9.6 28.7 43.1#
55 19.8 17.3 25.9
61 0.0 17.0 25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 5.051 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.092 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Tgt Ion: 83 Resp: 6462
Ion Ratio Lower Upper
83 100
131 10.7 5.6 16.8
85 47.7 32.3 96.8

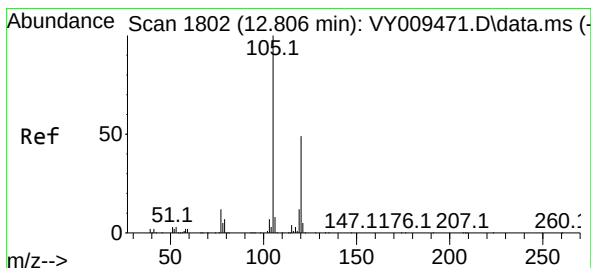
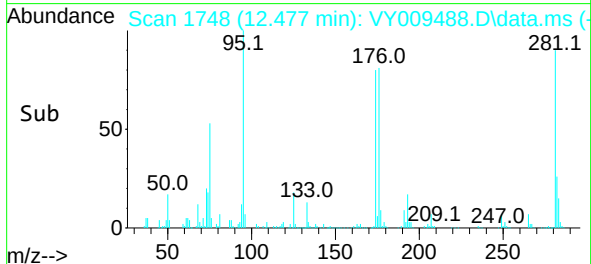
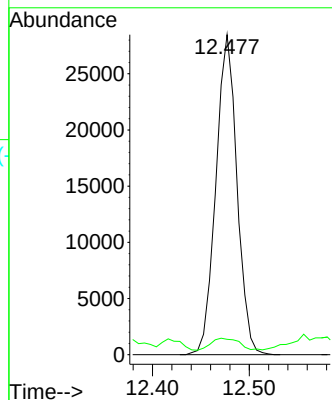
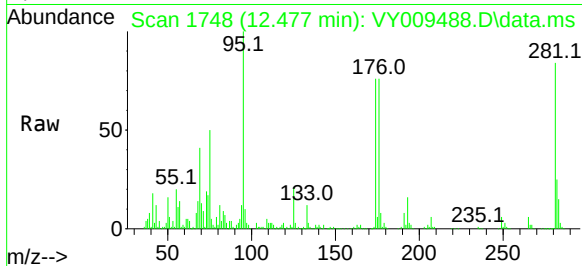




#76
 1,2,3-Trichloropropane
 Concen: 43.603 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. -0.152 min
 Lab File: VY009488.D
 Acq: 08 Jul 2022 17:23

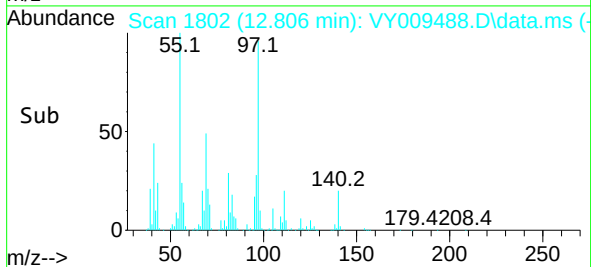
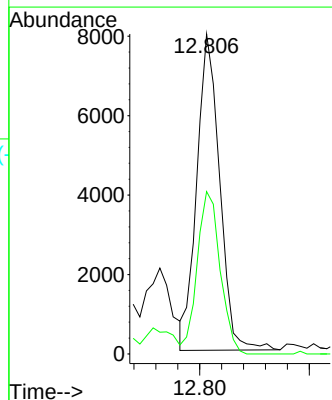
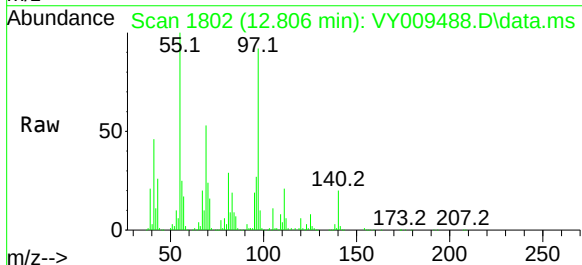
Instrument :
 MSVOA_Y
 ClientSampleId :
 20220489B-7B

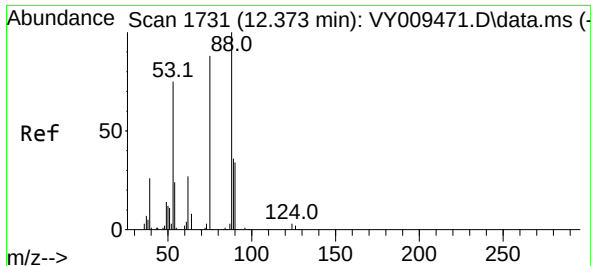
Tgt Ion: 75 Resp: 43123
 Ion Ratio Lower Upper
 75 100
 77 4.9 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 2.160 ug/l
 RT: 12.806 min Scan# 1802
 Delta R.T. 0.000 min
 Lab File: VY009488.D
 Acq: 08 Jul 2022 17:23

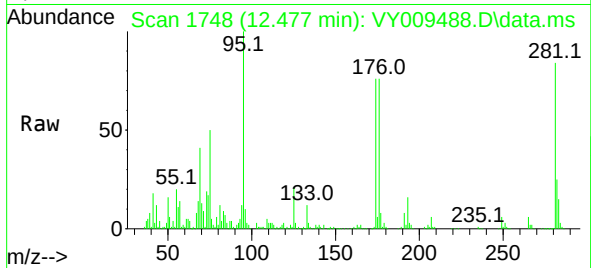
Tgt Ion: 105 Resp: 11535
 Ion Ratio Lower Upper
 105 100
 120 51.6 24.4 73.4



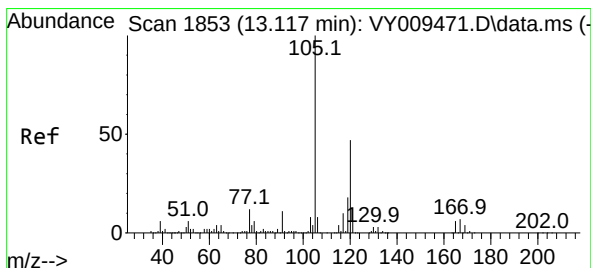
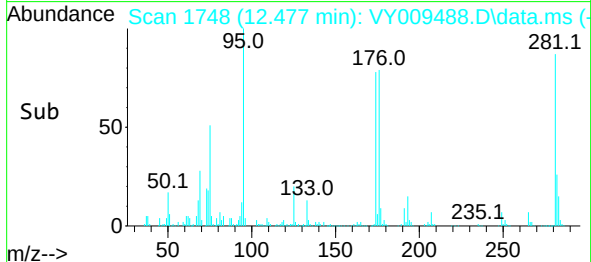
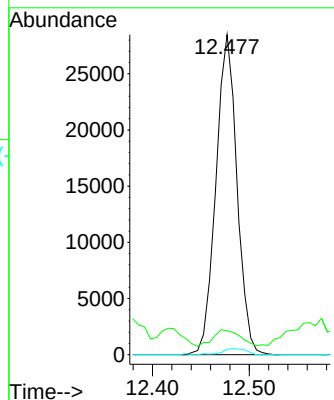


#81
trans-1,4-Dichloro-2-butene
Concen: 89.240 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Instrument :
MSVOA_Y
ClientSampleId :
20220489B-7B

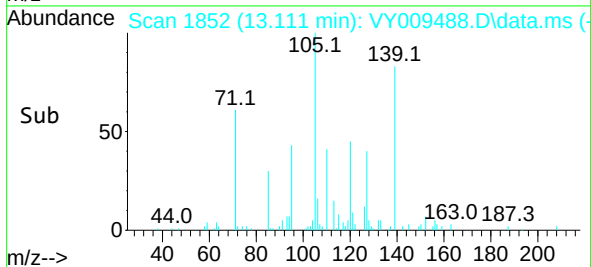
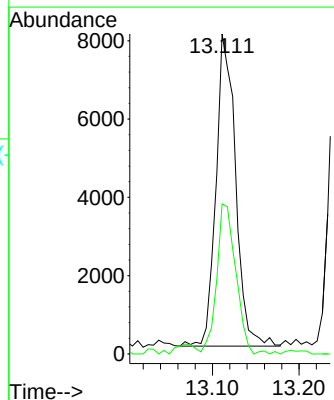
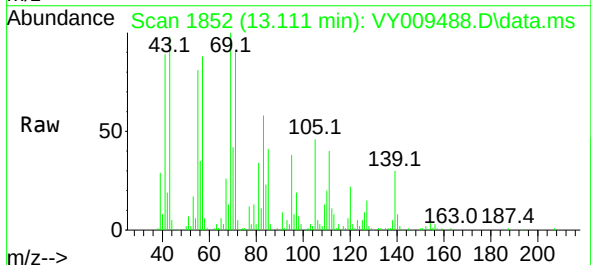


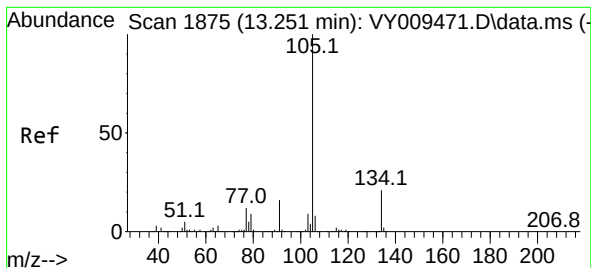
Tgt Ion: 75 Resp: 43123
Ion Ratio Lower Upper
75 100
53 6.4 85.3 127.9#
89 2.1 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.358 ug/l
RT: 13.111 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VY009488.D
Acq: 08 Jul 2022 17:23

Tgt Ion: 105 Resp: 12537
Ion Ratio Lower Upper
105 100
120 46.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 2.288 ug/l

RT: 13.251 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009488.D

Acq: 08 Jul 2022 17:23

Instrument :

MSVOA_Y

ClientSampleId :

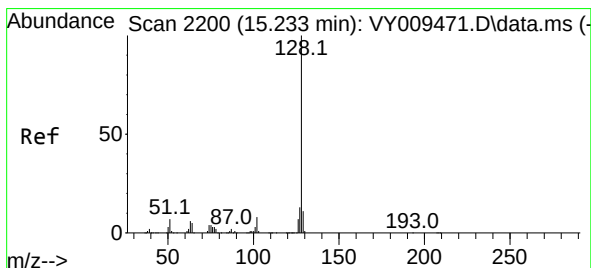
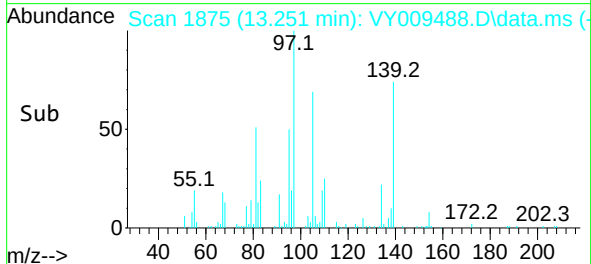
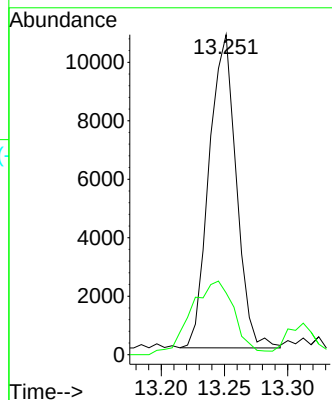
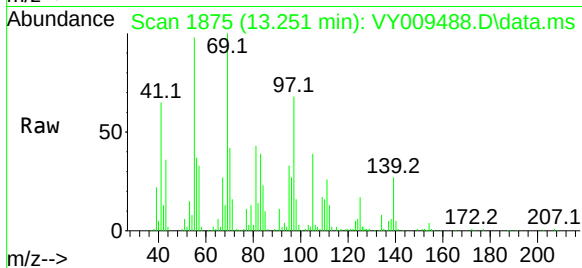
20220489B-7B

Tgt Ion:105 Resp: 16008

Ion Ratio Lower Upper

105 100

134 37.9 10.2 30.4#



#95

Naphthalene

Concen: 1.735 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY009488.D

Acq: 08 Jul 2022 17:23

Tgt Ion:128 Resp: 6156

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

