

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009496.D
 Acq On : 08 Jul 2022 20:30
 Operator : KP/MD
 Sample : N3593-11
 Misc : 4.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220486B-4B

Quant Time: Jul 11 02:16:53 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)

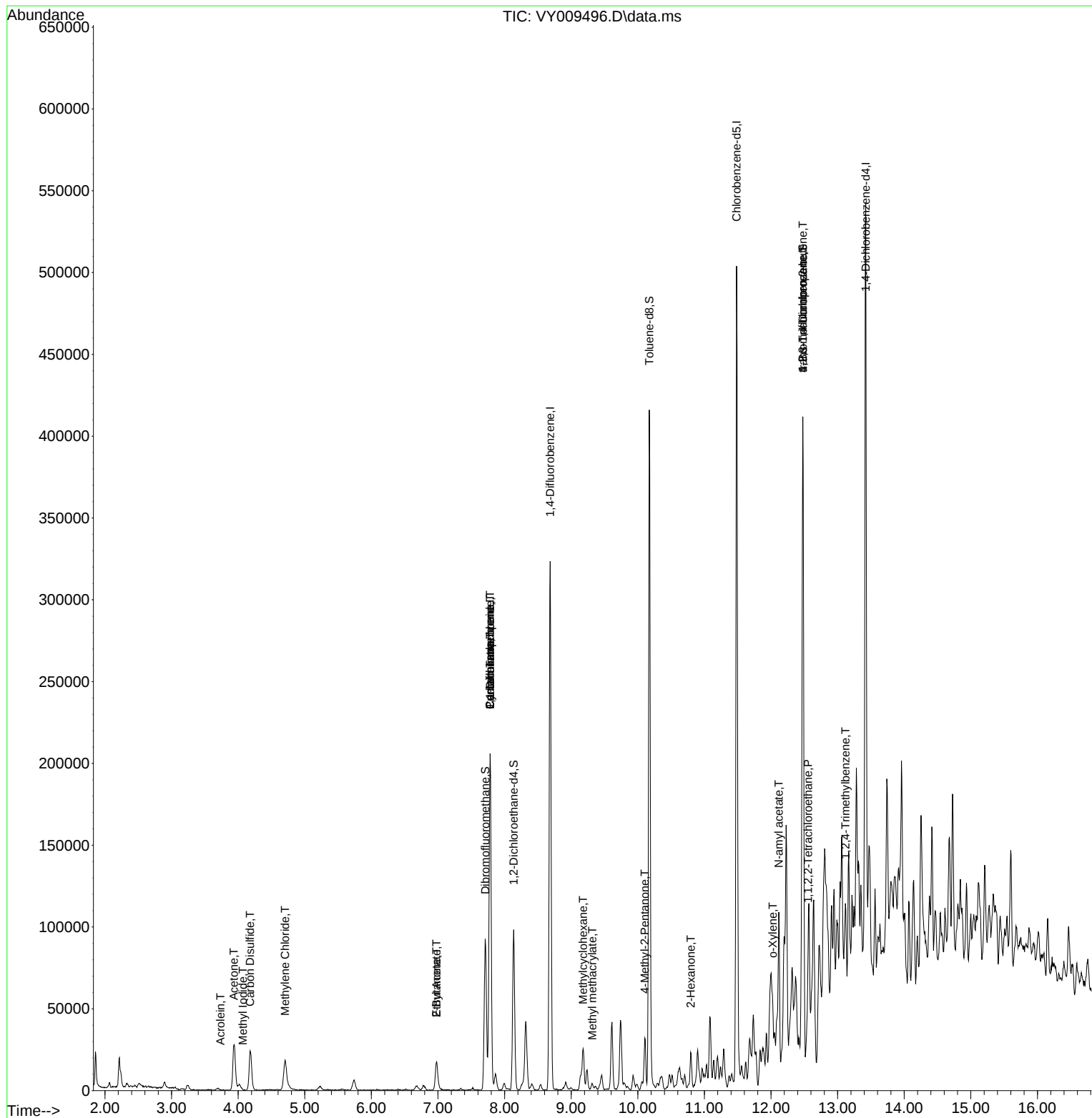
Internal Standards						
1) Pentafluorobenzene	7.783	168	162121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	276766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	255821	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	71919	64.908	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.820%
35) Dibromofluoromethane	7.710	113	64773	44.479	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.960%
50) Toluene-d8	10.173	98	253004	65.959	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	=	131.920%#
62) 4-Bromofluorobenzene	12.477	95	87458	42.546	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	=	85.100%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.070	142	20	4.172	ug/l #	35
11) Tert butyl alcohol	4.948	59	317	Below Cal	#	77
13) Acrolein	3.735	56	252	31.965	ug/l #	14
16) Acetone	3.936	43	49767	126.189	ug/l	93
17) Carbon Disulfide	4.180	76	48761	14.507	ug/l	99
20) Methylene Chloride	4.704	84	12898	2.409	ug/l #	84
23) Vinyl Acetate	6.058	43	28	Below Cal	#	75
25) 2-Butanone	6.978	43	26249	41.143	ug/l #	89
31) Cyclohexane	7.783	56	5064	1.904	ug/l #	20
36) 1,1-Dichloropropene	7.783	75	11379	4.800	ug/l #	51
37) Ethyl Acetate	6.978	43	26249	17.663	ug/l #	72
38) Carbon Tetrachloride	7.783	117	15144	5.973	ug/l #	19
39) Methylcyclohexane	9.179	83	6566	2.307	ug/l	87
48) Methyl methacrylate	9.319	41	1288	1.078	ug/l #	35
51) 4-Methyl-2-Pentanone	10.106	43	4574	3.137	ug/l #	84
59) 2-Hexanone	10.795	43	8495	8.407	ug/l #	35
69) o-Xylene	12.026	106	6610	2.016	ug/l	94
74) N-amyl acetate	12.117	43	26516	11.087	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.556	83	5430	3.226	ug/l #	49
76) 1,2,3-Trichloropropane	12.477	75	46780	35.954	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46780	73.585	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.117	105	18710	2.675	ug/l	97

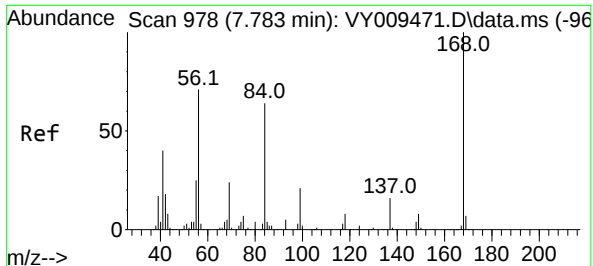
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 08 11:00:56 2022
Response via : Initial Calibration

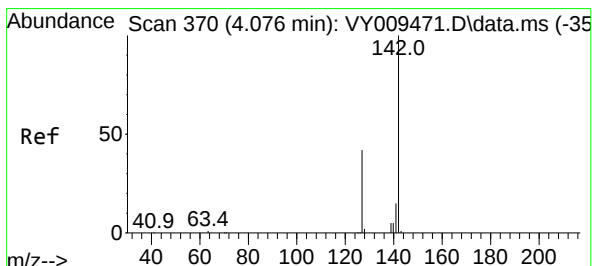
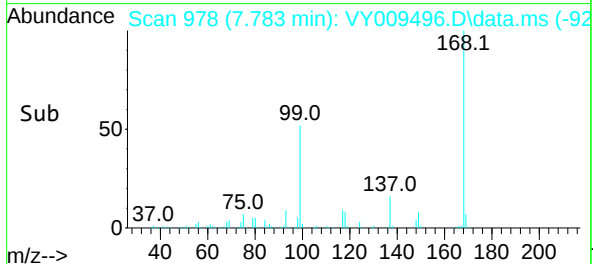
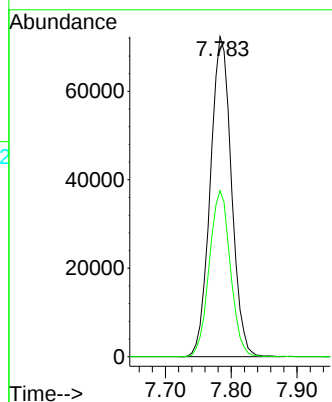
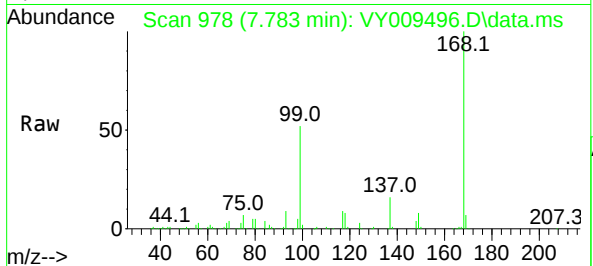




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

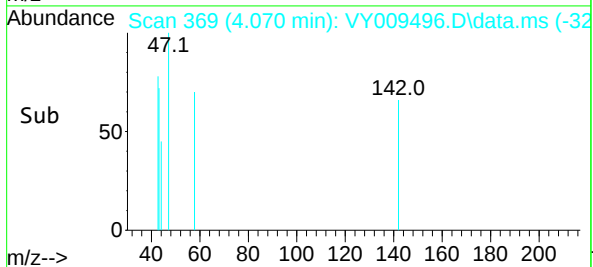
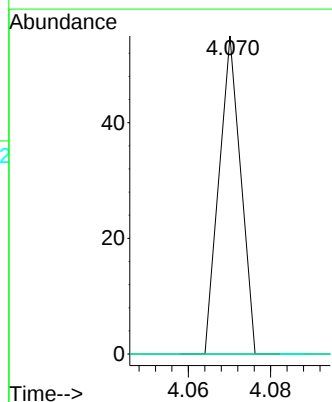
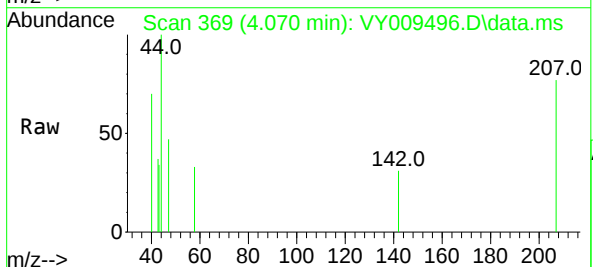
Instrument :
MSVOA_Y
ClientSampleId :
20220486B-4B

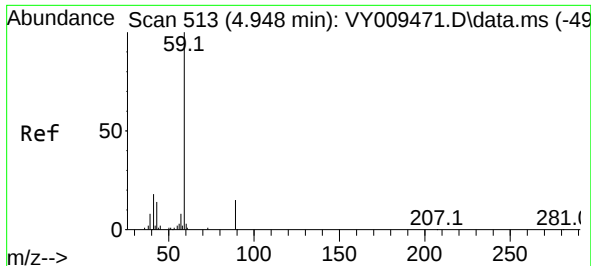
Tgt Ion:168 Resp: 162121
Ion Ratio Lower Upper
168 100
99 51.8 46.9 70.3



#10
Methyl Iodide
Concen: 4.172 ug/l
RT: 4.070 min Scan# 369
Delta R.T. -0.006 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

Tgt Ion:142 Resp: 20
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: 4.948 min Scan# 51

Delta R.T. 0.000 min

Lab File: VY009496.D

Acq: 08 Jul 2022 20:30

Instrument :

MSVOA_Y

ClientSampleId :

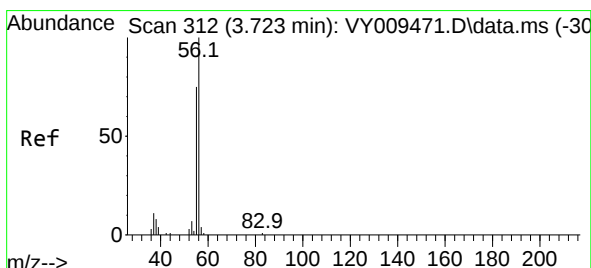
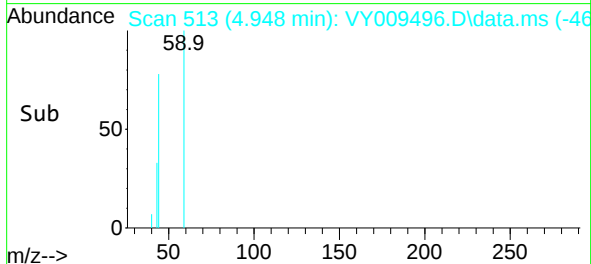
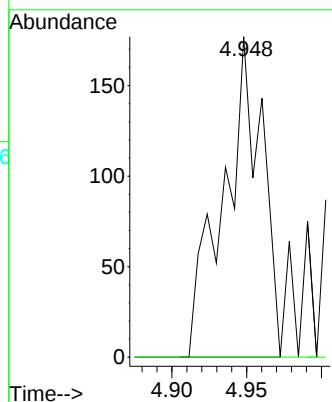
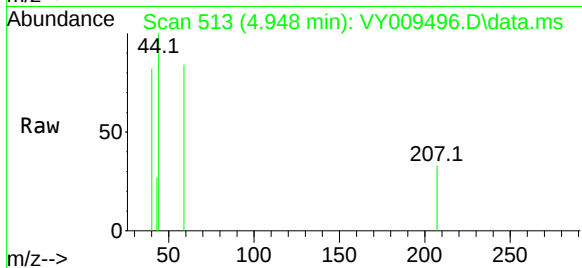
20220486B-4B

Tgt Ion: 59 Resp: 317

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 31.965 ug/l

RT: 3.735 min Scan# 314

Delta R.T. 0.012 min

Lab File: VY009496.D

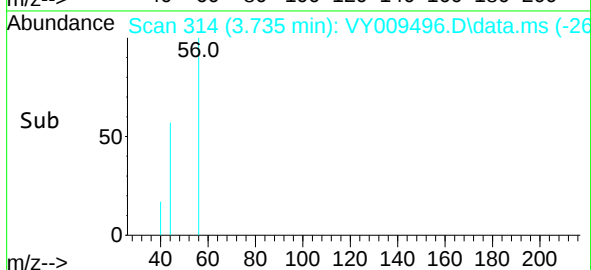
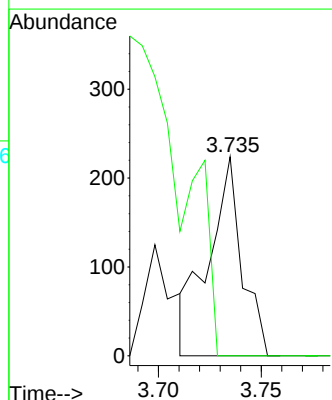
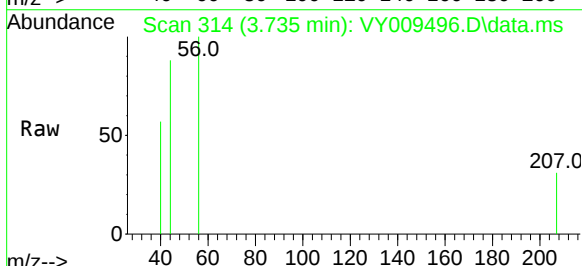
Acq: 08 Jul 2022 20:30

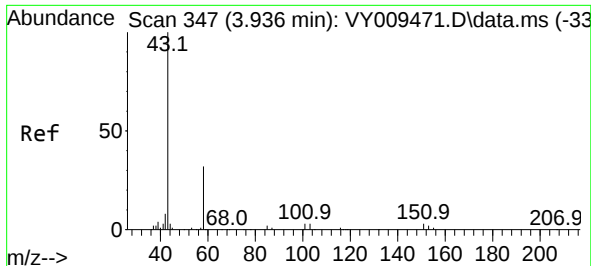
Tgt Ion: 56 Resp: 252

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#

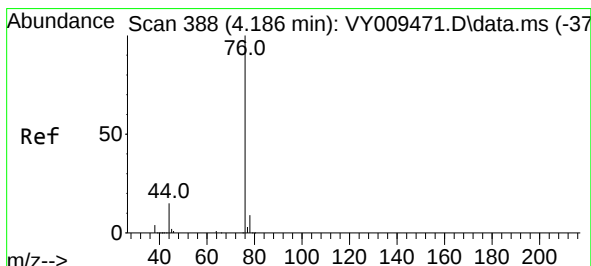
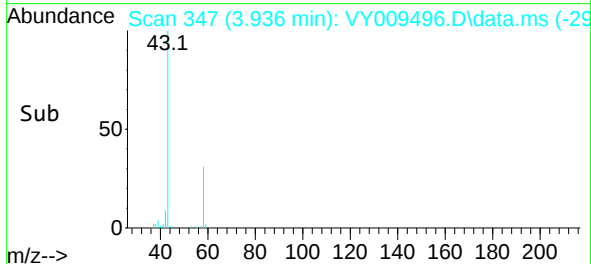
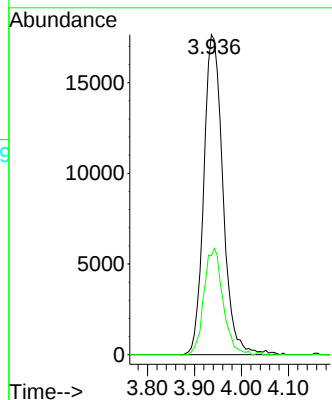
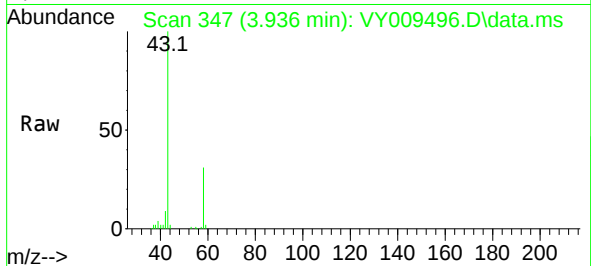




#16
Acetone
Concen: 126.189 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

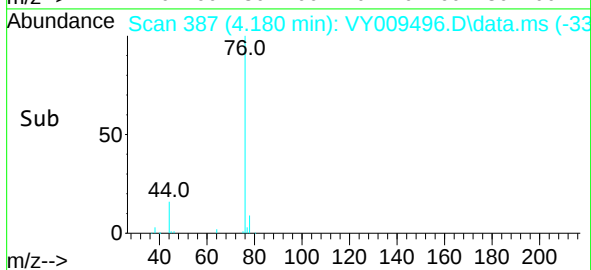
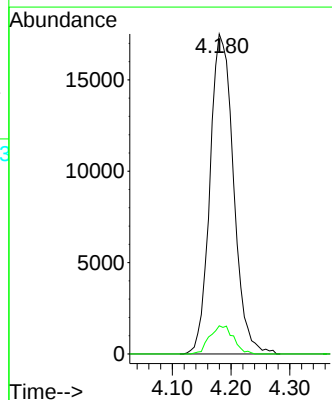
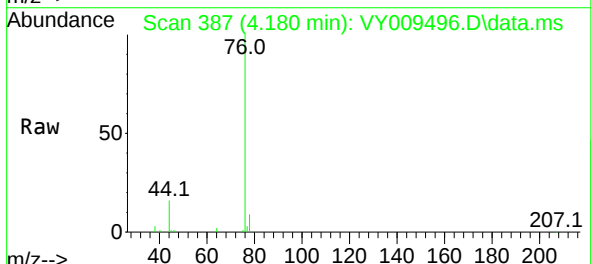
Instrument :
MSVOA_Y
ClientSampleId :
20220486B-4B

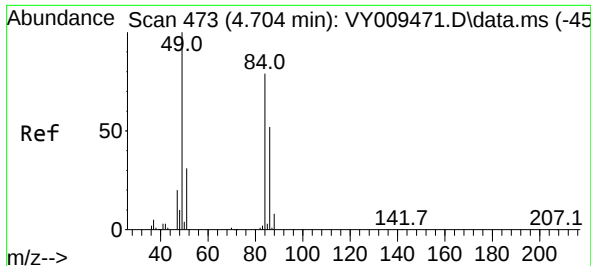
Tgt Ion: 43 Resp: 49767
Ion Ratio Lower Upper
43 100
58 30.9 22.0 33.0



#17
Carbon Disulfide
Concen: 14.507 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

Tgt Ion: 76 Resp: 48761
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

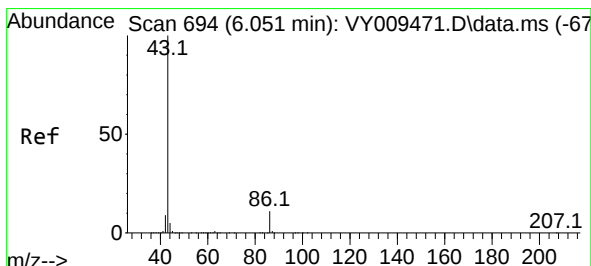
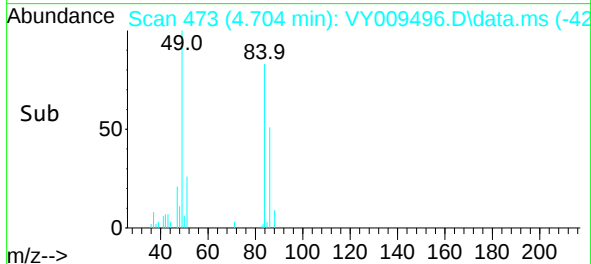
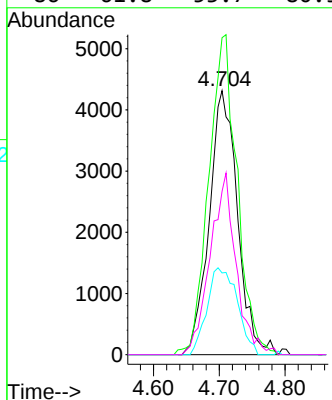
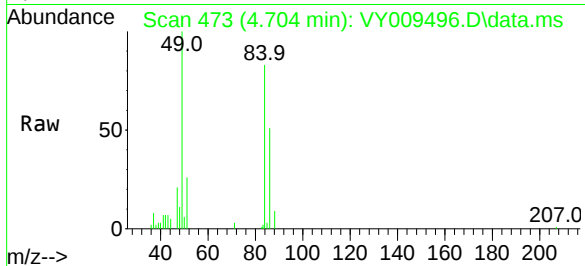




#20
Methylene Chloride
Concen: 2.409 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

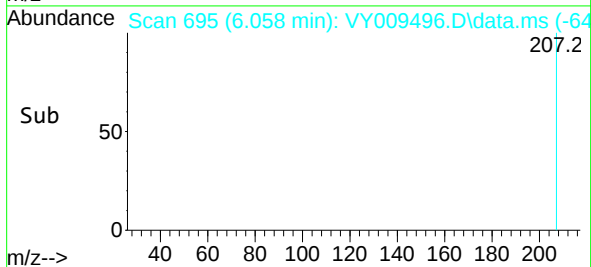
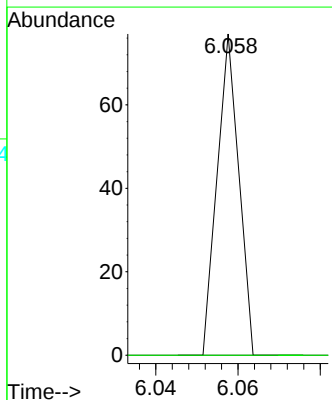
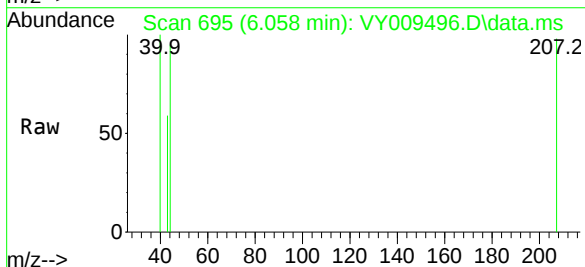
Instrument :
MSVOA_Y
ClientSampleId :
20220486B-4B

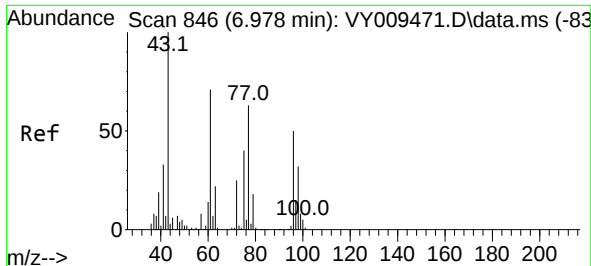
Tgt Ion: 84 Resp: 12898
Ion Ratio Lower Upper
84 100
49 120.1 114.4 171.6
51 31.0 35.3 52.9#
86 61.8 53.7 80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.058 min Scan# 695
Delta R.T. 0.007 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

Tgt Ion: 43 Resp: 28
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#

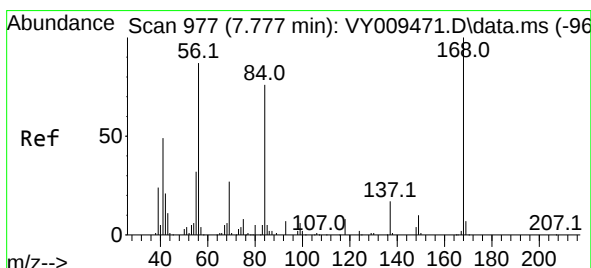
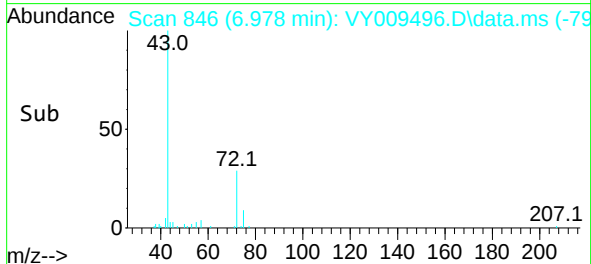
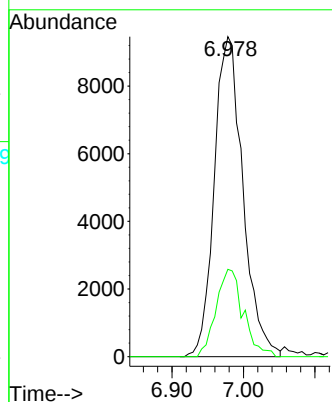
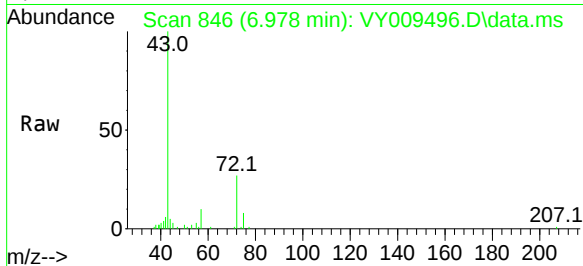




#25
2-Butanone
Concen: 41.143 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

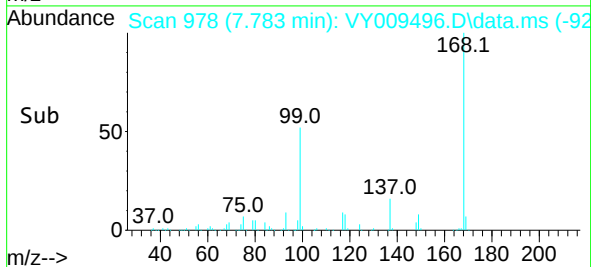
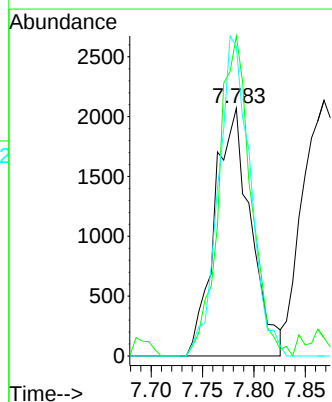
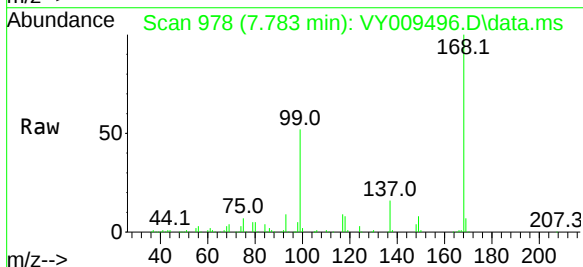
Instrument :
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20220486B-4B

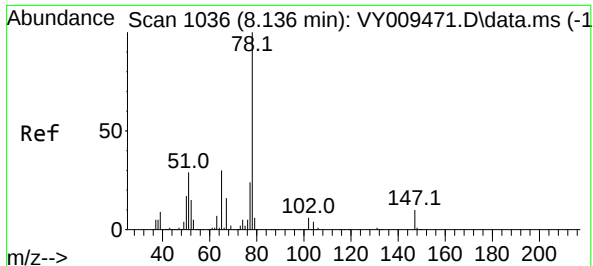
Tgt Ion: 43 Resp: 26249
Ion Ratio Lower Upper
43 100
72 27.3 17.7 26.5#



#31
Cyclohexane
Concen: 1.904 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

Tgt Ion: 56 Resp: 5064
Ion Ratio Lower Upper
56 100
69 129.2 26.7 40.1#
84 124.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 64.908 ug/l

RT: 8.136 min Scan# 11036

Delta R.T. 0.000 min

Lab File: VY009496.D

Acq: 08 Jul 2022 20:30

Instrument :

MSVOA_Y

ClientSampleId :

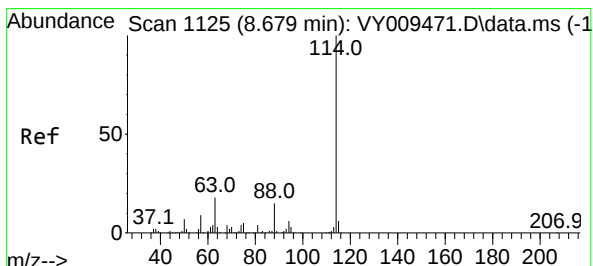
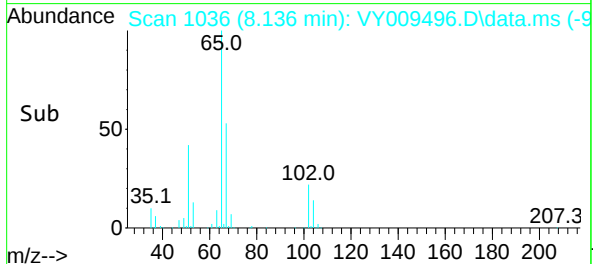
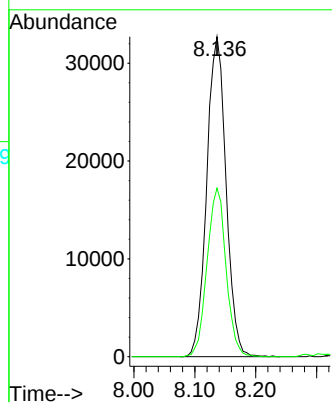
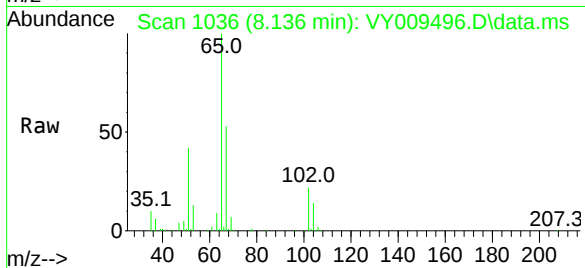
20220486B-4B

Tgt Ion: 65 Resp: 71919

Ion Ratio Lower Upper

65 100

67 51.8 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: VY009496.D

Acq: 08 Jul 2022 20:30

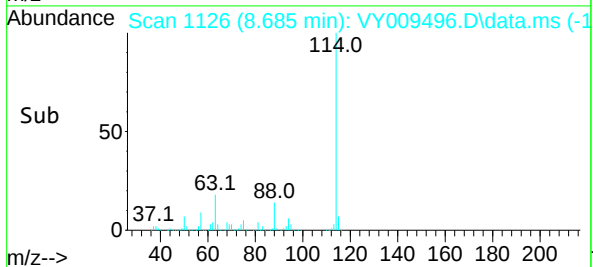
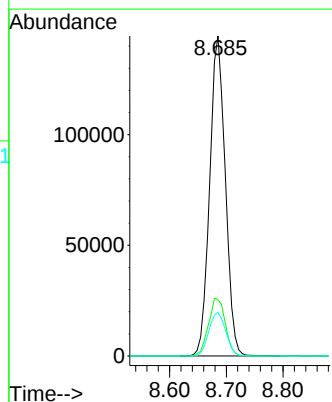
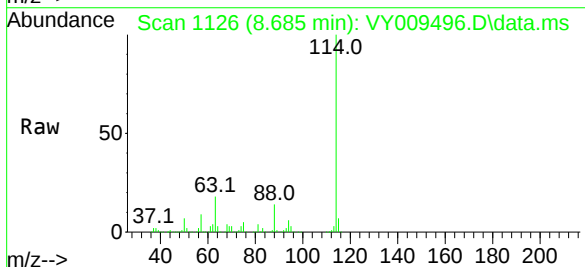
Tgt Ion: 114 Resp: 276766

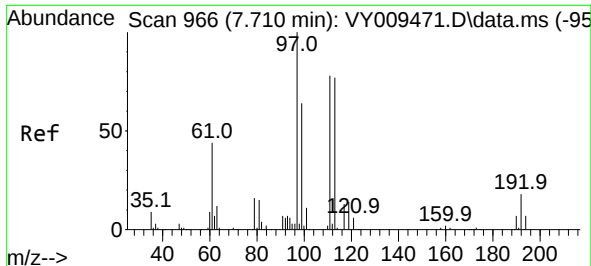
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 13.7 0.0 31.8

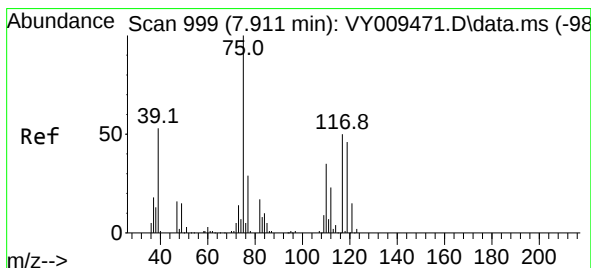
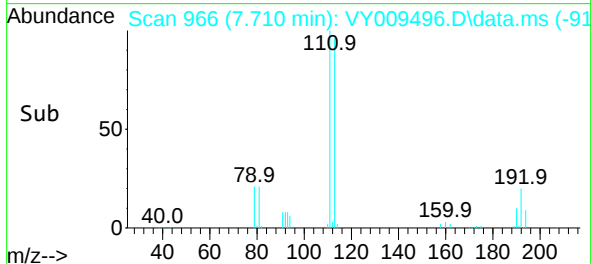
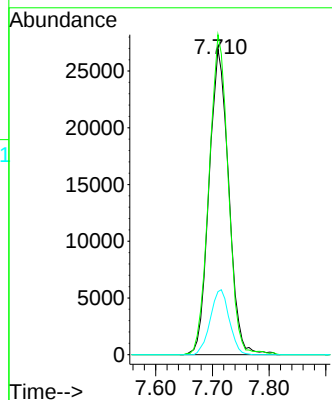
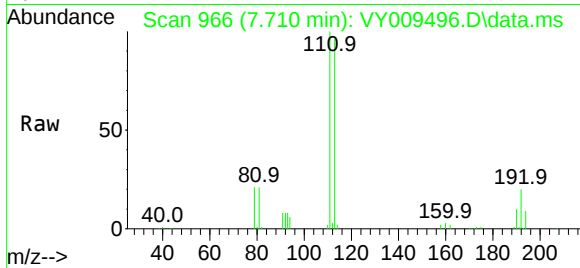




#35
 Dibromofluoromethane
 Concen: 44.479 ug/l
 RT: 7.710 min Scan# 911
 Delta R.T. -0.000 min
 Lab File: VY009496.D
 Acq: 08 Jul 2022 20:30

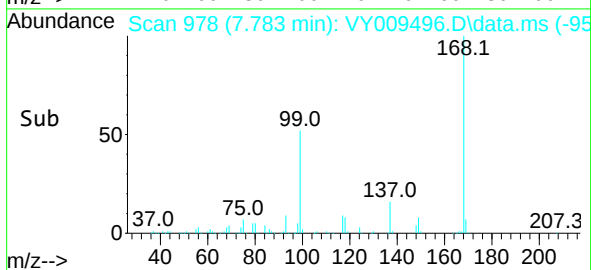
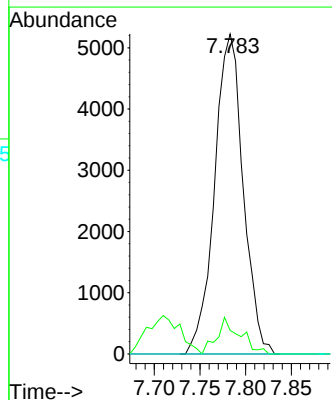
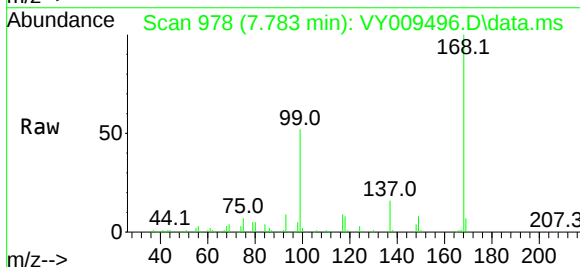
Instrument :
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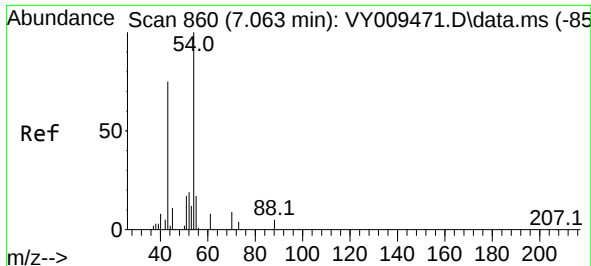
Tgt Ion:	113	Resp:	64773
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	124.0
192	20.5	17.6	26.4



#36
 1,1-Dichloropropene
 Concen: 4.800 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY009496.D
 Acq: 08 Jul 2022 20:30

Tgt Ion:	75	Resp:	11379
Ion	Ratio	Lower	Upper
75	100		
110	9.2	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 17.663 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY009496.D

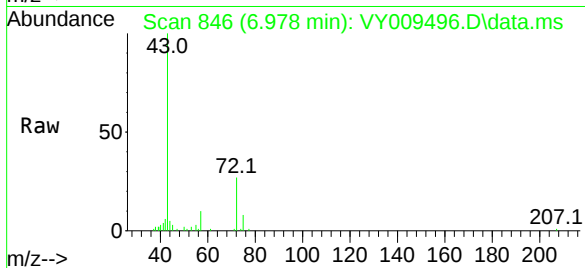
Acq: 08 Jul 2022 20:30

Instrument :

MSVOA_Y

ClientSampleId :

20220486B-4B



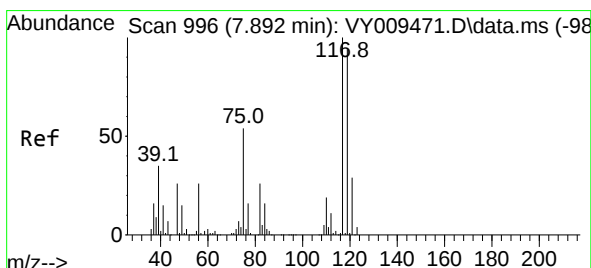
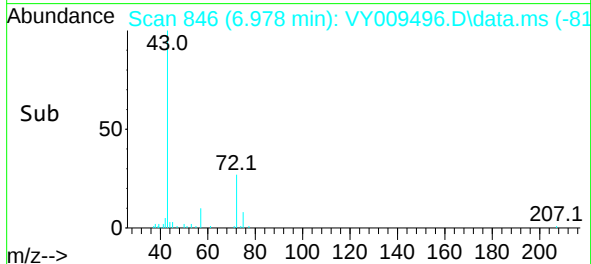
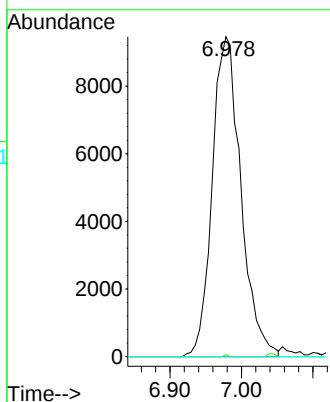
Tgt Ion: 43 Resp: 26249

Ion Ratio Lower Upper

43 100

61 0.1 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.973 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.109 min

Lab File: VY009496.D

Acq: 08 Jul 2022 20:30

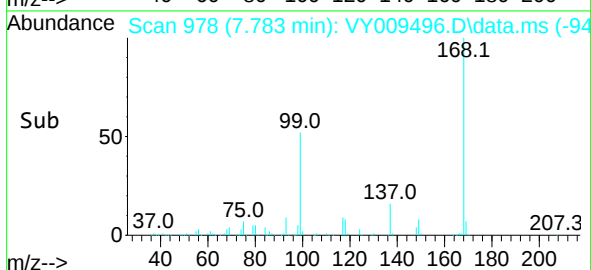
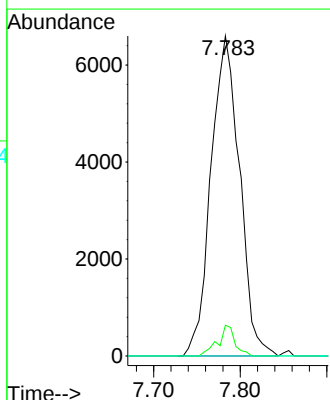
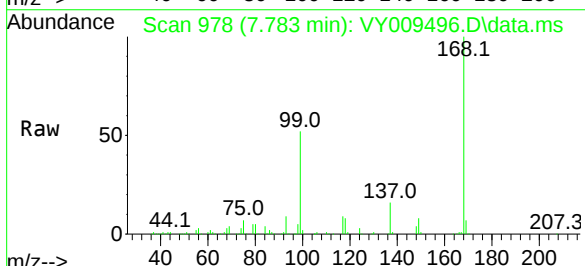
Tgt Ion: 117 Resp: 15144

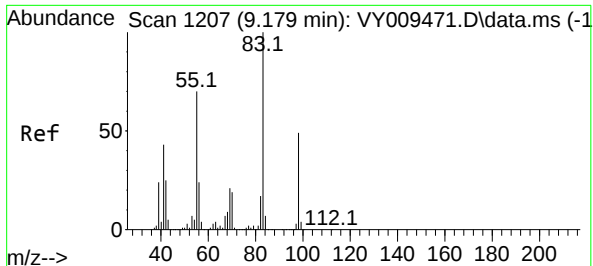
Ion Ratio Lower Upper

117 100

119 9.6 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 2.307 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009496.D

Acq: 08 Jul 2022 20:30

Instrument :

MSVOA_Y

ClientSampleId :

20220486B-4B

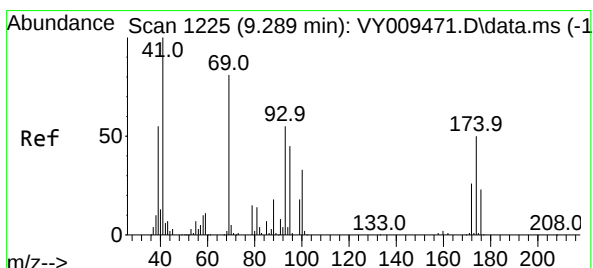
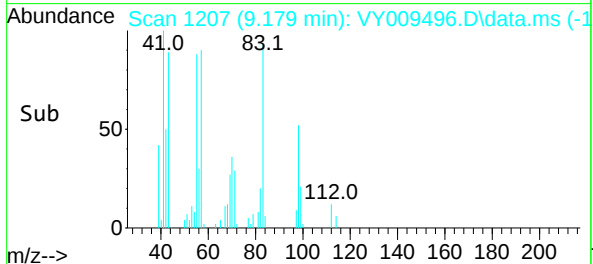
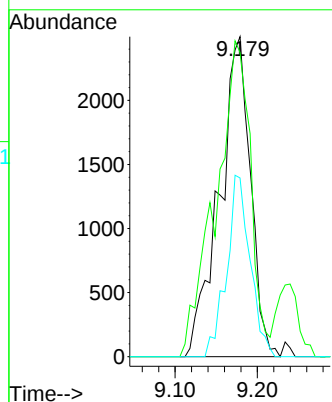
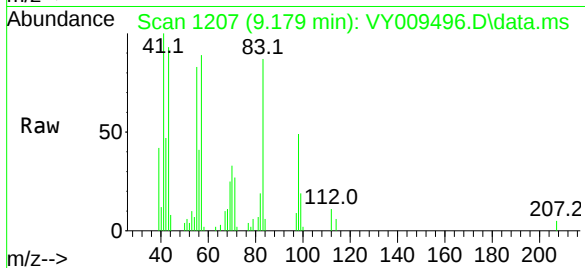
Tgt Ion: 83 Resp: 6566

Ion Ratio Lower Upper

83 100

55 95.0 66.5 99.7

98 55.8 37.9 56.9



#48

Methyl methacrylate

Concen: 1.078 ug/l

RT: 9.319 min Scan# 1230

Delta R.T. 0.030 min

Lab File: VY009496.D

Acq: 08 Jul 2022 20:30

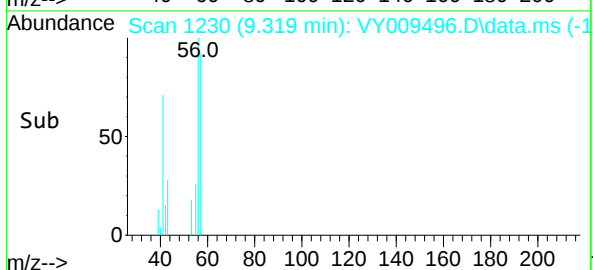
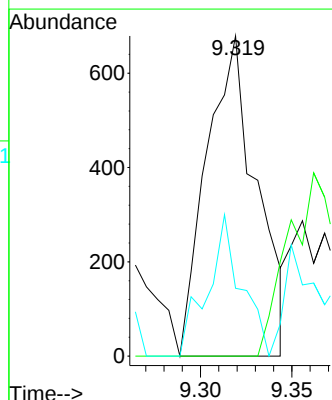
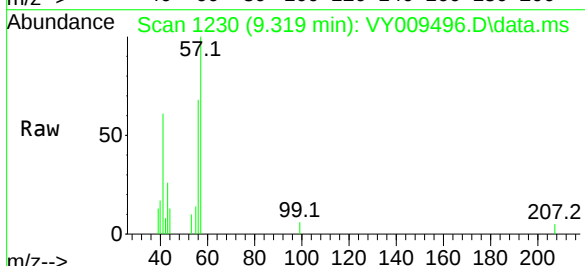
Tgt Ion: 41 Resp: 1288

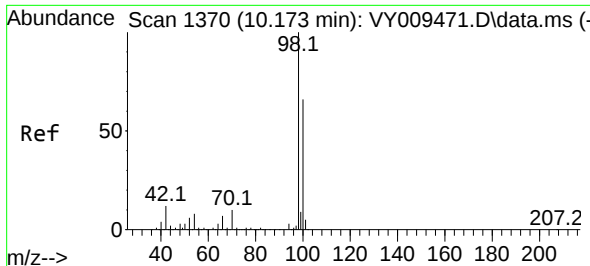
Ion Ratio Lower Upper

41 100

69 0.0 58.2 87.2#

39 30.1 47.4 71.0#

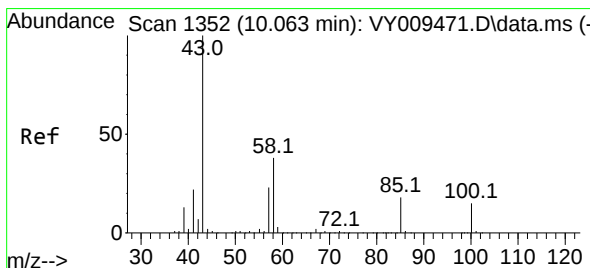
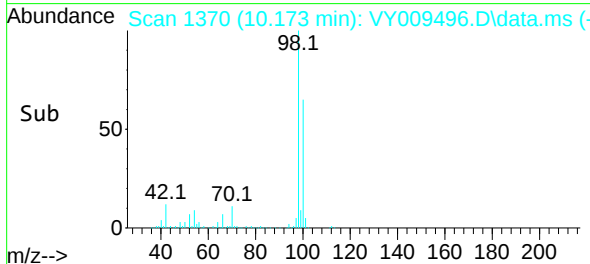
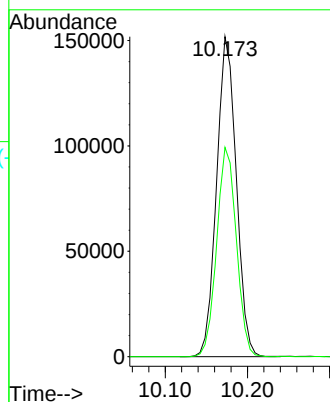
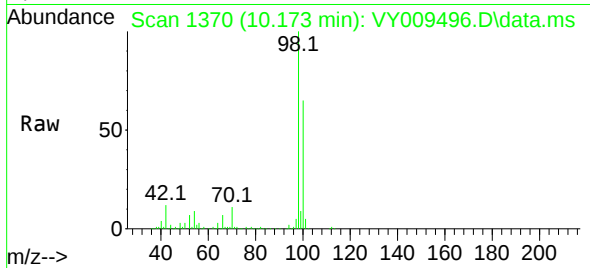




#50
Toluene-d8
Concen: 65.959 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

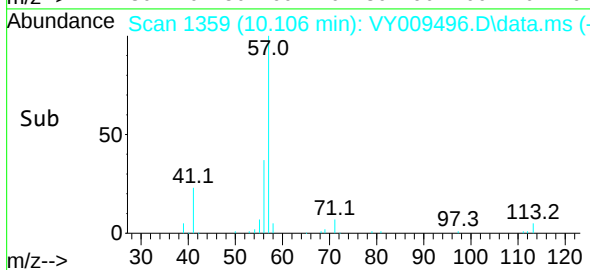
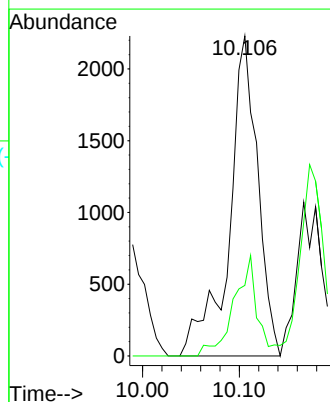
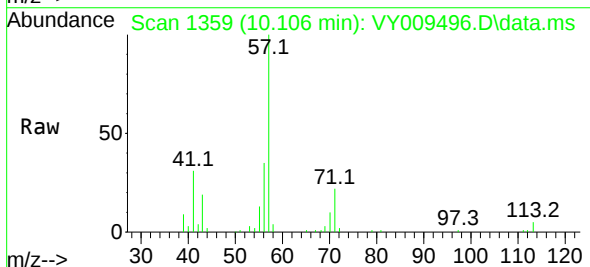
Instrument :
MSVOA_Y
ClientSampleId :
20220486B-4B

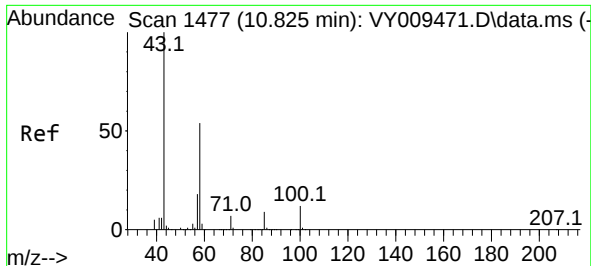
Tgt Ion: 98 Resp: 253004
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 3.137 ug/l
RT: 10.106 min Scan# 1359
Delta R.T. 0.043 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

Tgt Ion: 43 Resp: 4574
Ion Ratio Lower Upper
43 100
58 25.9 28.1 42.1#





#59

2-Hexanone

Concen: 8.407 ug/l

RT: 10.795 min Scan# 1472

Delta R.T. -0.030 min

Lab File: VY009496.D

Acq: 08 Jul 2022 20:30

Instrument :

MSVOA_Y

ClientSampleId :

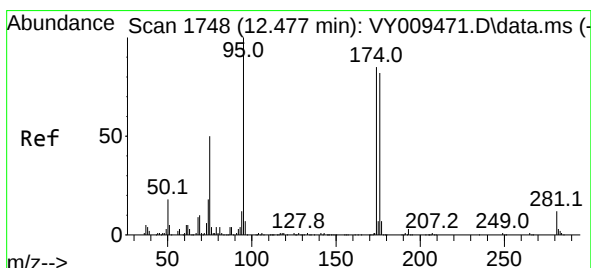
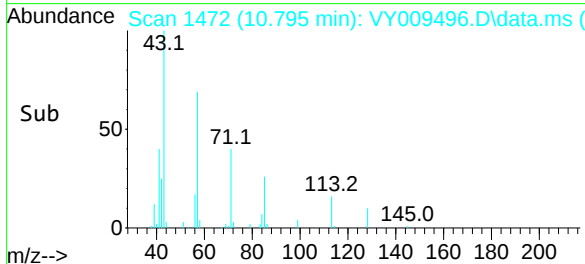
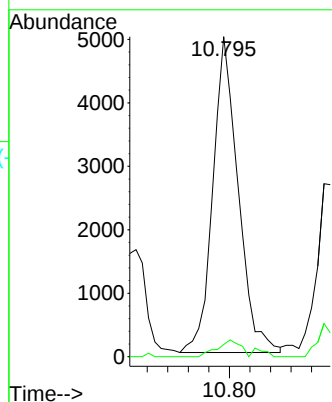
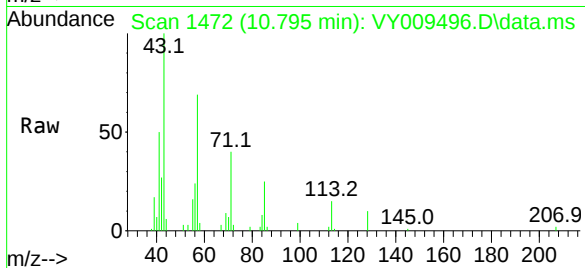
20220486B-4B

Tgt Ion: 43 Resp: 8495

Ion Ratio Lower Upper

43 100

58 4.8 24.4 73.4#



#62

4-Bromofluorobenzene

Concen: 42.546 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY009496.D

Acq: 08 Jul 2022 20:30

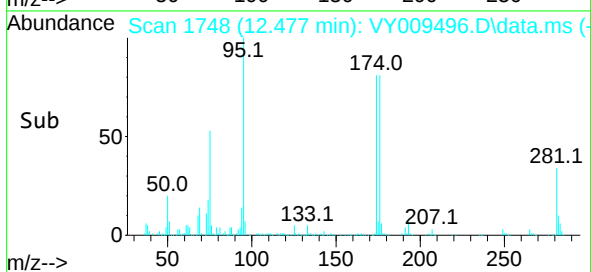
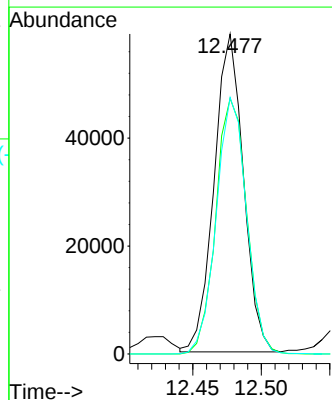
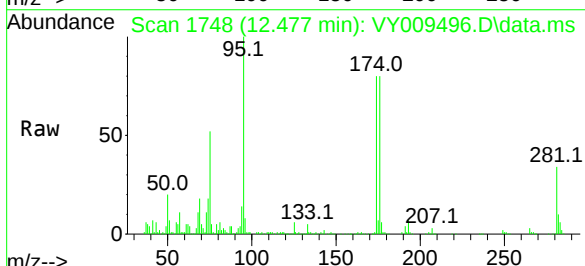
Tgt Ion: 95 Resp: 87458

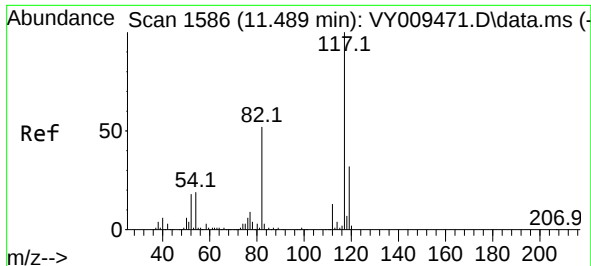
Ion Ratio Lower Upper

95 100

174 84.4 0.0 177.0

176 83.3 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: VY009496.D

Acq: 08 Jul 2022 20:30

Instrument :

MSVOA_Y

ClientSampleId :

20220486B-4B

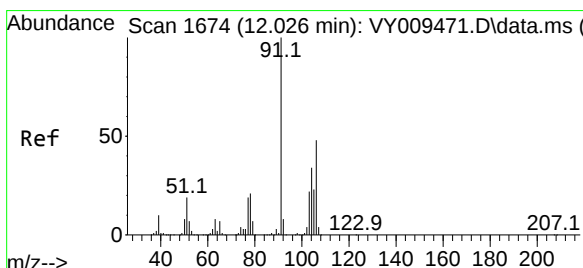
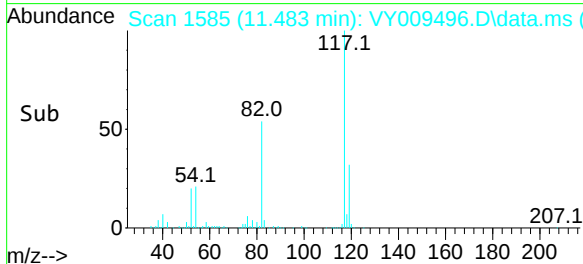
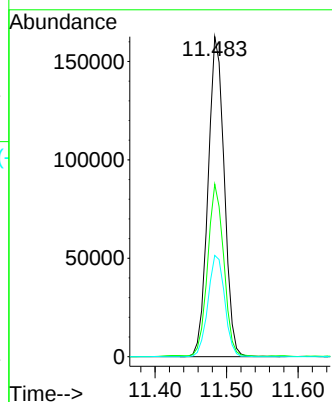
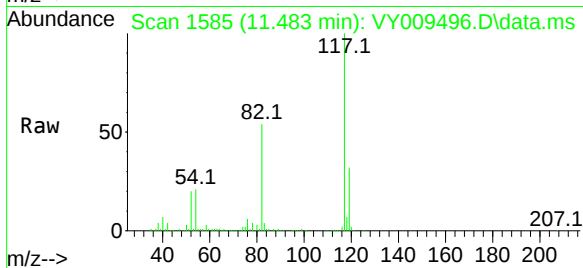
Tgt Ion:117 Resp: 255821

Ion Ratio Lower Upper

117 100

82 53.6 43.0 64.4

119 31.7 25.4 38.0



#69

o-Xylene

Concen: 2.016 ug/l

RT: 12.026 min Scan# 1674

Delta R.T. 0.000 min

Lab File: VY009496.D

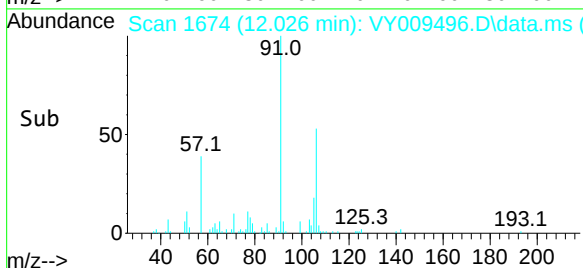
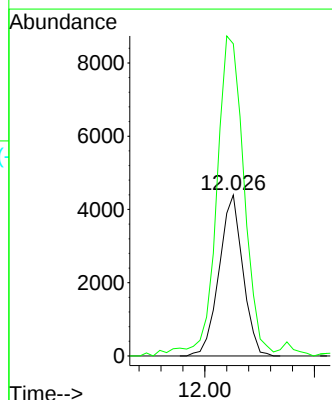
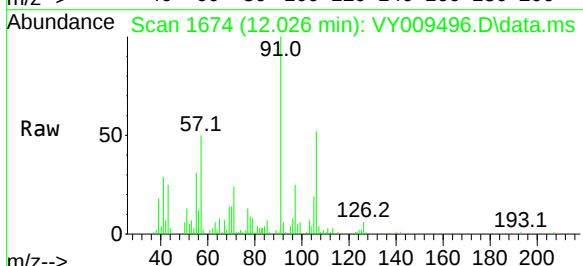
Acq: 08 Jul 2022 20:30

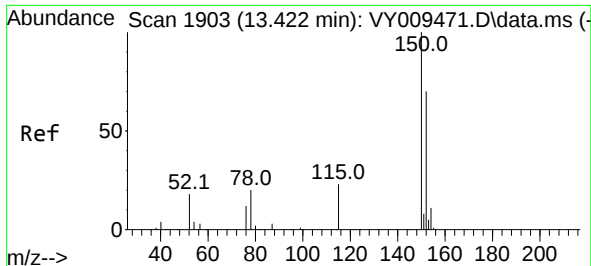
Tgt Ion:106 Resp: 6610

Ion Ratio Lower Upper

106 100

91 230.1 110.3 331.0

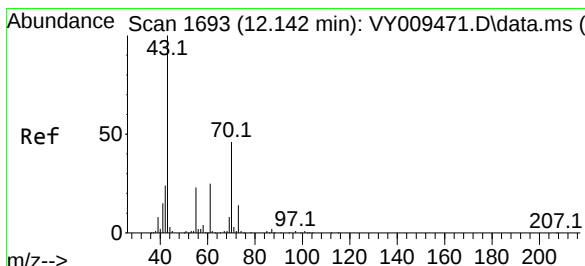
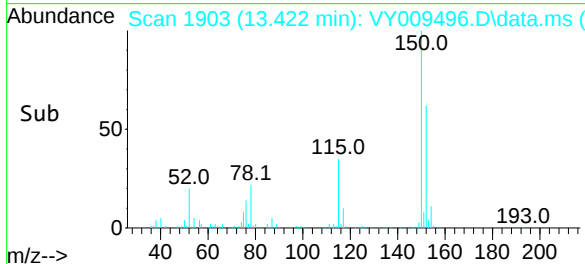
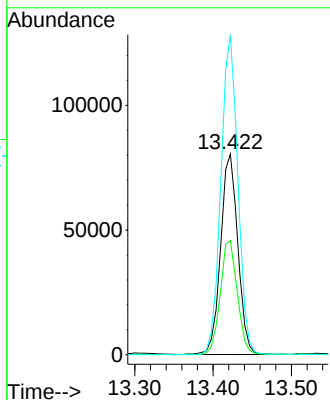
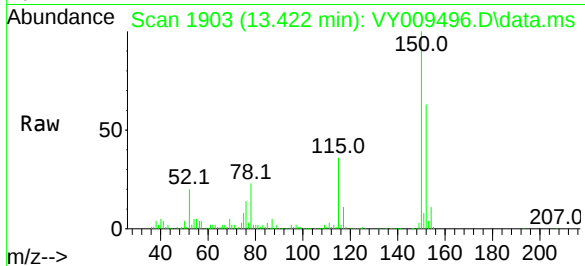




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009496.D
 Acq: 08 Jul 2022 20:30

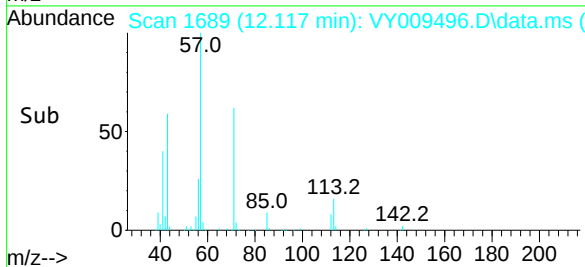
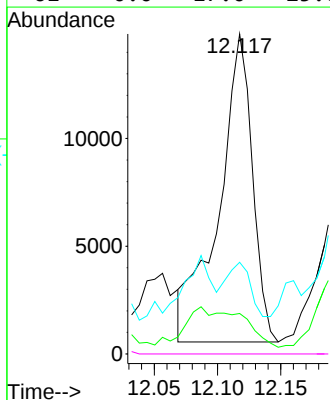
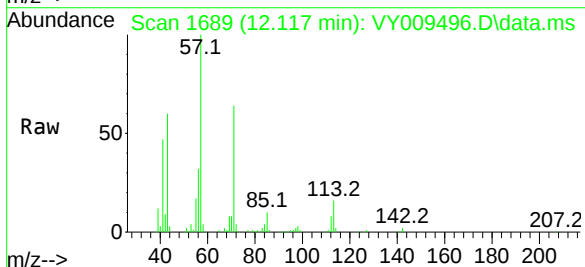
Instrument :
 MSVOA_Y
 ClientSampleId :
 20220486B-4B

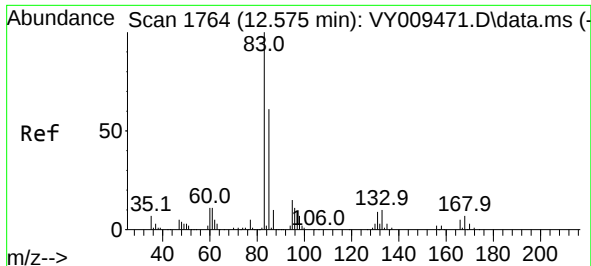
Tgt Ion:152 Resp: 122911
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.2 84.7
 150 157.2 0.0 347.6



#74
 N-ethyl acetate
 Concen: 11.087 ug/l
 RT: 12.117 min Scan# 1689
 Delta R.T. -0.025 min
 Lab File: VY009496.D
 Acq: 08 Jul 2022 20:30

Tgt Ion: 43 Resp: 26516
 Ion Ratio Lower Upper
 43 100
 70 0.0 28.7 43.1#
 55 18.0 17.3 25.9
 61 0.0 17.0 25.6#

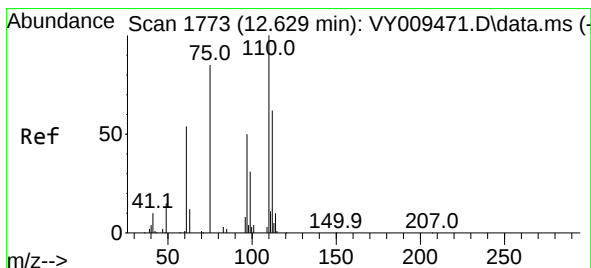
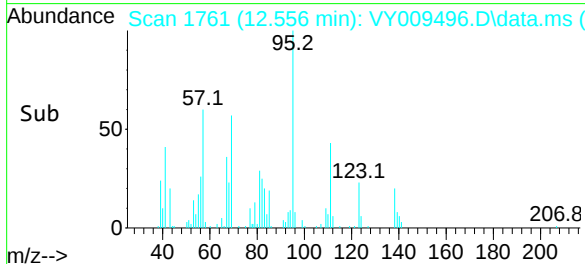
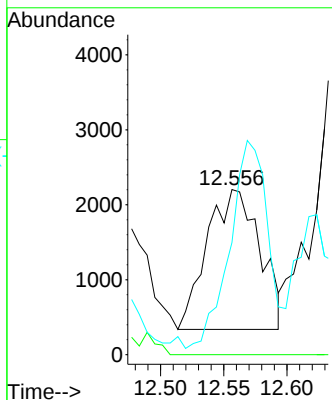
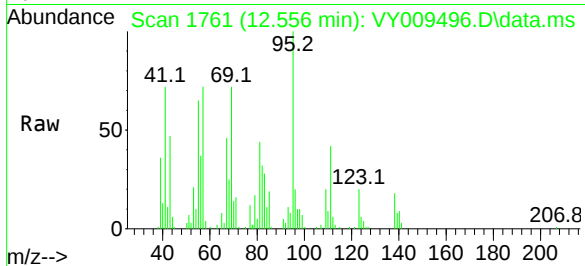




#75
1,1,2,2-Tetrachloroethane
Concen: 3.226 ug/l
RT: 12.556 min Scan# 1748
Delta R.T. -0.019 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

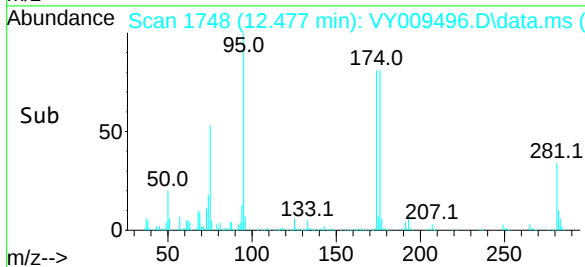
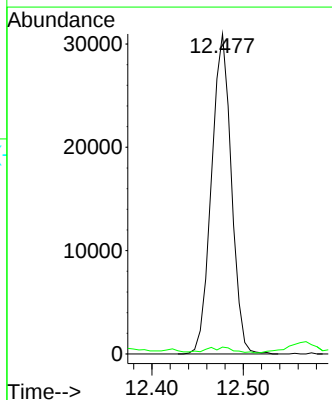
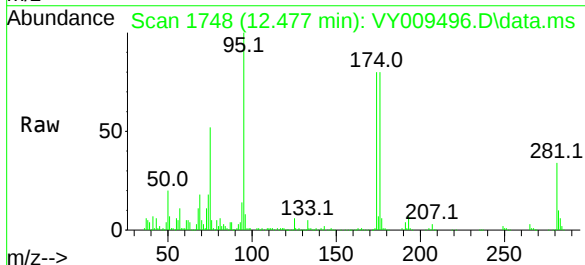
Instrument :
MSVOA_Y
ClientSampleId :
20220486B-4B

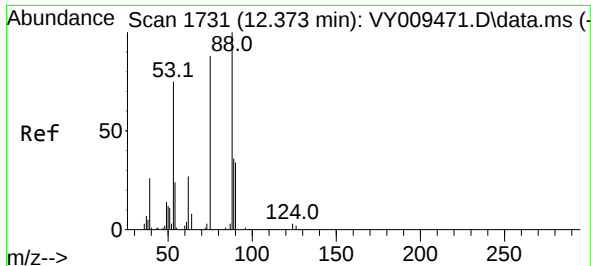
Tgt Ion: 83 Resp: 5430
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 107.8 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 35.954 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

Tgt Ion: 75 Resp: 46780
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#

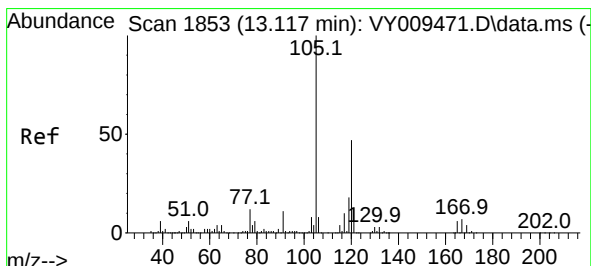
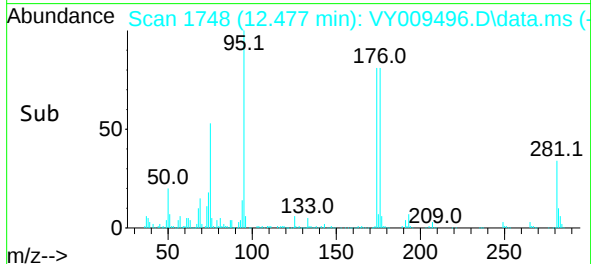
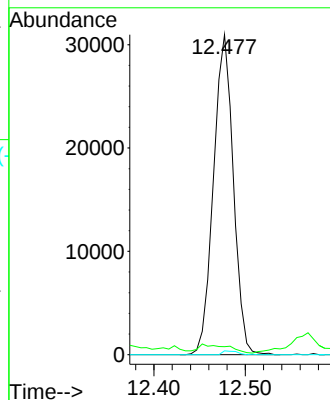
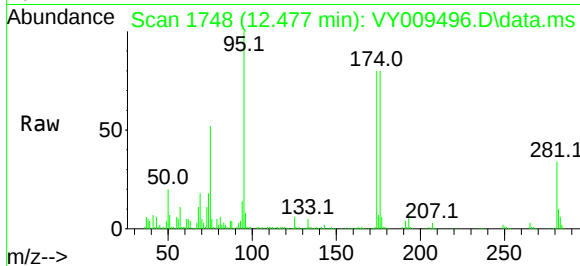




#81
trans-1,4-Dichloro-2-butene
Concen: 73.585 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

Instrument :
MSVOA_Y
ClientSampleId :
20220486B-4B

Tgt Ion: 75 Resp: 46780
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.9 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.675 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009496.D
Acq: 08 Jul 2022 20:30

Tgt Ion: 105 Resp: 18710
Ion Ratio Lower Upper
105 100
120 46.8 22.3 66.9

