

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030822\
 Data File : VY007785.D
 Acq On : 08 Mar 2022 17:15
 Operator : SY/MD
 Sample : N1806-07
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 09 00:28:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

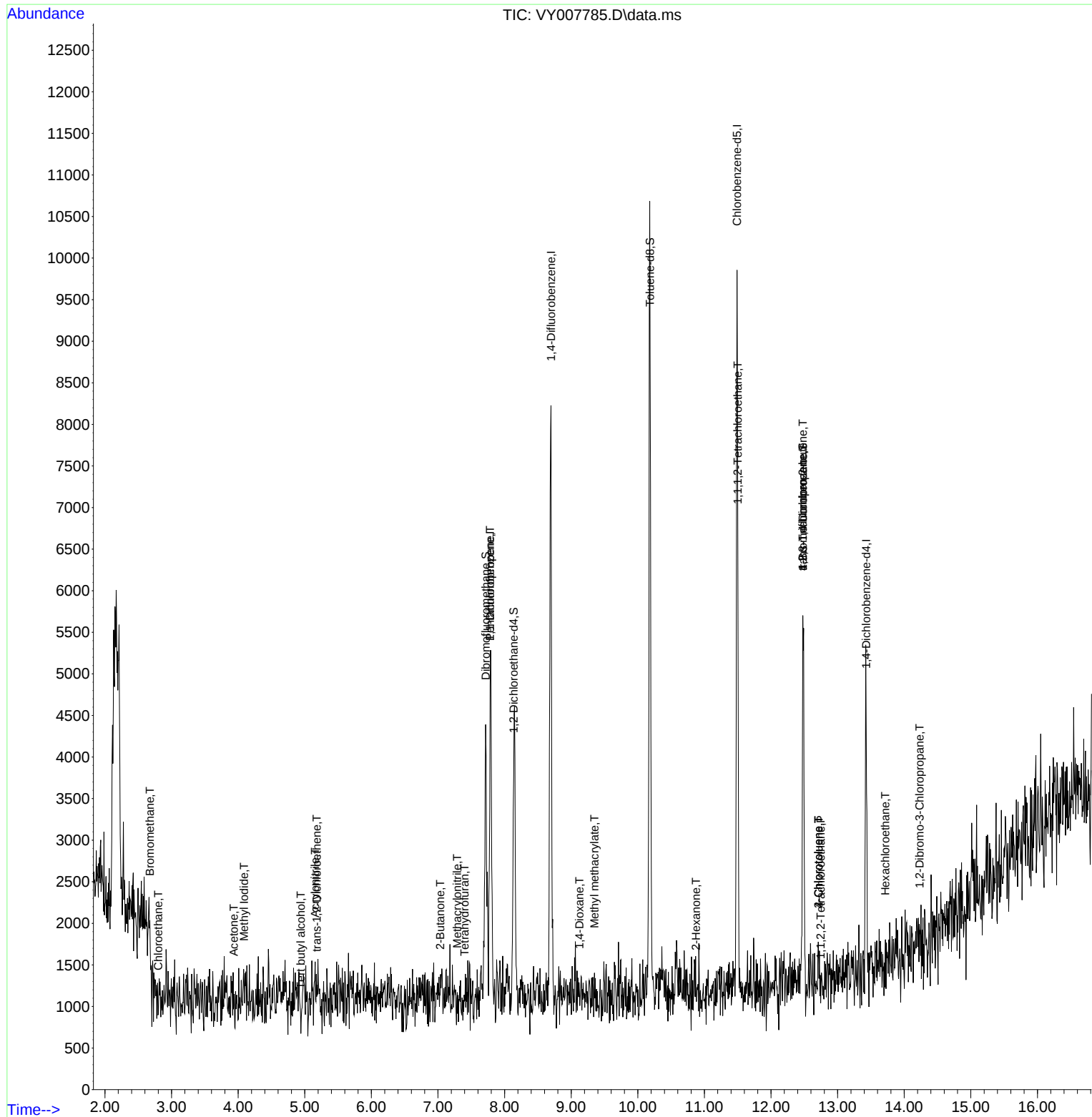
Internal Standards						
1) Pentafluorobenzene	7.783	168	3340	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	5858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	5036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	2558	73.155	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.320%			
35) Dibromofluoromethane	7.715	113	2081	55.564	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.120%			
50) Toluene-d8	10.185	98	6169	44.747	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 89.500%			
62) 4-Bromofluorobenzene	12.477	95	1402	31.549	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 63.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.918	85	40	Below Cal	#	43
3) Chloromethane	2.131	50	160	Below Cal	#	44
5) Bromomethane	2.674	94	127	3.136	ug/l #	24
6) Chloroethane	2.802	64	78	2.030	ug/l #	43
10) Methyl Iodide	4.088	142	211	4.963	ug/l #	54
11) Tert butyl alcohol	4.942	59	30	9.910	ug/l #	77
15) Acrylonitrile	5.155	53	19	1.954	ug/l #	17
16) Acetone	3.936	43	87	12.231	ug/l #	47
18) Methyl Acetate	4.448	43	61	Below Cal	#	56
20) Methylene Chloride	4.704	84	21	Below Cal	#	58
21) trans-1,2-Dichloroethene	5.179	96	38	1.050	ug/l #	1
25) 2-Butanone	7.033	43	34	2.849	ug/l #	54
29) Tetrahydrofuran	7.398	42	20	2.450	ug/l #	38
31) Cyclohexane	7.819	56	70	Below Cal	#	17
36) 1,1-Dichloropropene	7.783	75	445	7.553	ug/l #	42
41) Methacrylonitrile	7.289	41	40	2.572	ug/l #	1
48) Methyl methacrylate	9.349	41	79	3.029	ug/l #	17
49) 1,4-Dioxane	9.124	88	26	84.615	ug/l #	81
59) 2-Hexanone	10.873	43	28	1.291	ug/l #	28
66) 1,1,1,2-Tetrachloroethane	11.501	131	43	1.048	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.745	83	20	1.138	ug/l #	26
76) 1,2,3-Trichloropropane	12.477	75	928	77.228	ug/l #	100
79) 2-Chlorotoluene	12.715	91	57	1.053	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.477	75	928	157.883	ug/l #	7
82) 4-Chlorotoluene	12.715	91	57	1.024	ug/l #	41
90) Hexachloroethane	13.714	117	28	1.961	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.233	75	30	11.267	ug/l #	6

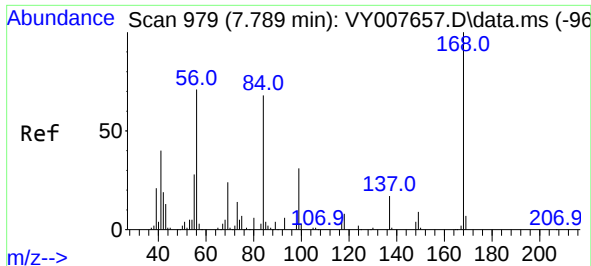
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030822\
Data File : VY007785.D
Acq On : 08 Mar 2022 17:15
Operator : SY/MD
Sample : N1806-07
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

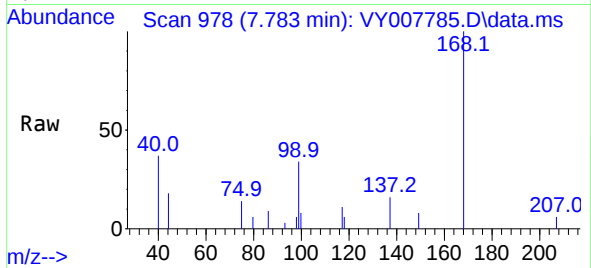
Quant Time: Mar 09 00:28:11 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
Quant Title : SW846 8260
QLast Update : Tue Mar 01 09:08:03 2022
Response via : Initial Calibration



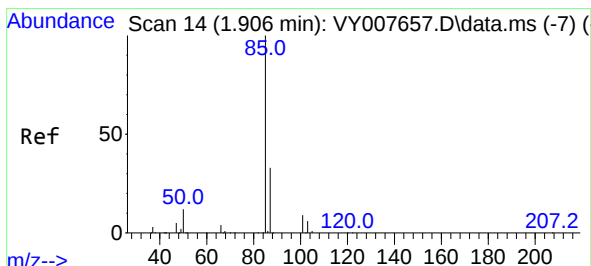
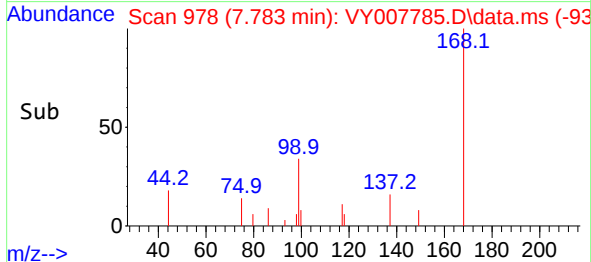
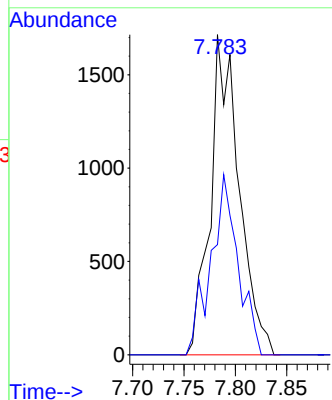


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :

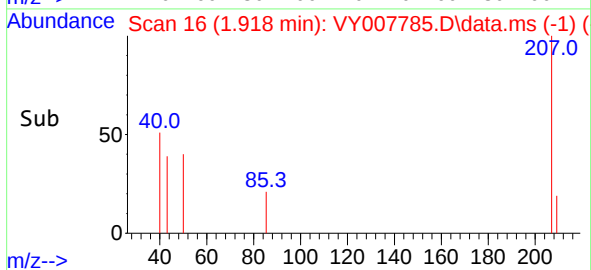
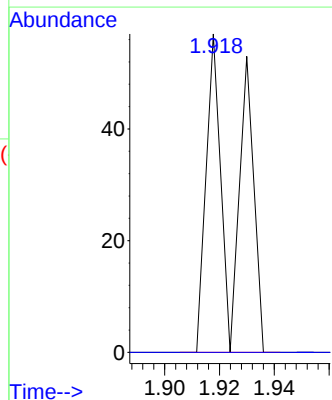
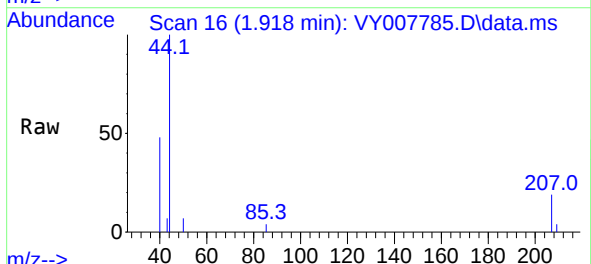


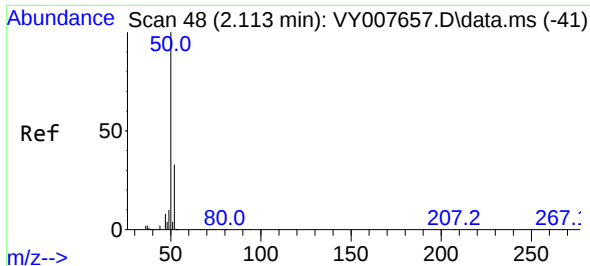
Tgt Ion:168 Resp: 3340
Ion Ratio Lower Upper
168 100
99 34.4 46.9 70.3#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.918 min Scan# 16
Delta R.T. 0.012 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion: 85 Resp: 40
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

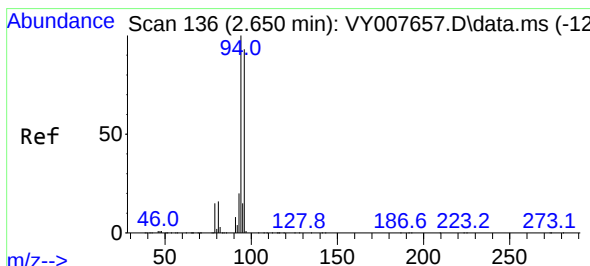
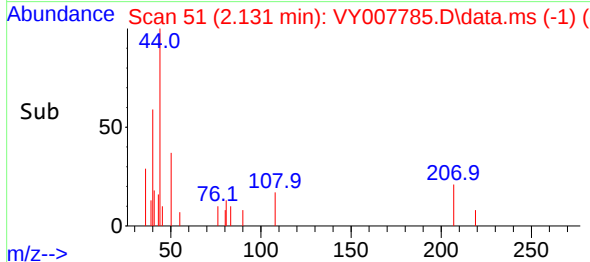
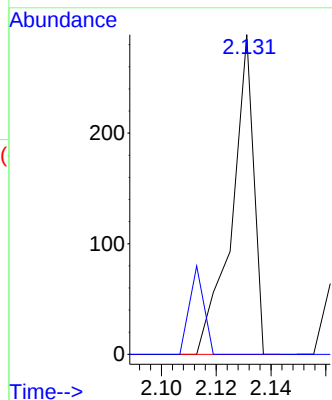
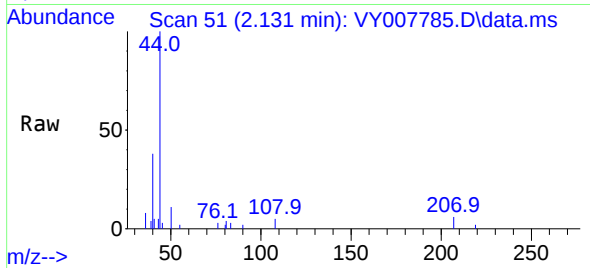




#3
Chloromethane
Concen: Below Cal
RT: 2.131 min Scan# 51
Delta R.T. 0.018 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

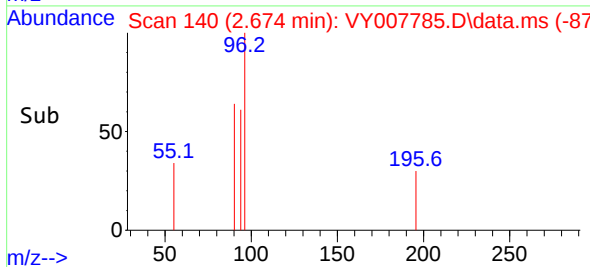
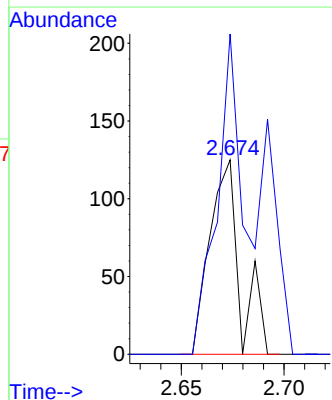
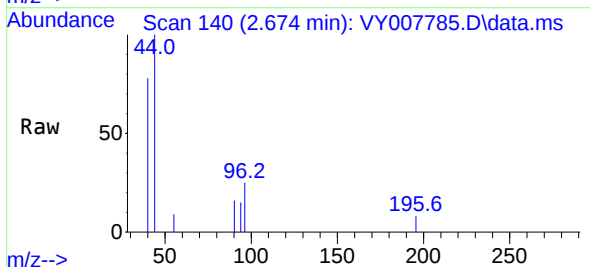
Instrument :
MSVOA_Y
ClientSampleId :

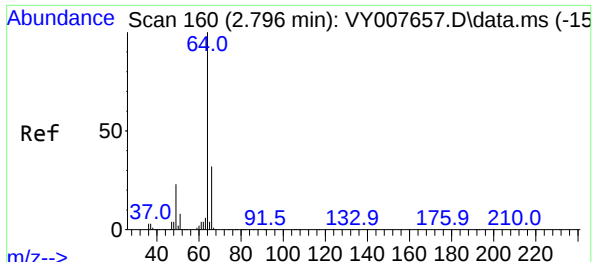
Tgt Ion: 50 Resp: 160
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: 3.136 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.024 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion: 94 Resp: 127
Ion Ratio Lower Upper
94 100
96 164.8 73.5 110.3#

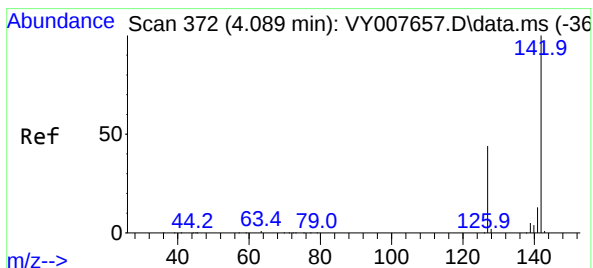
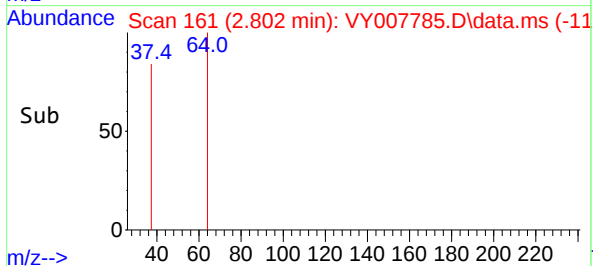
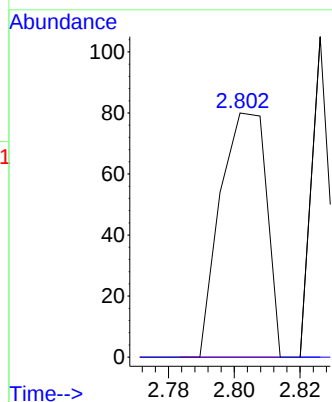
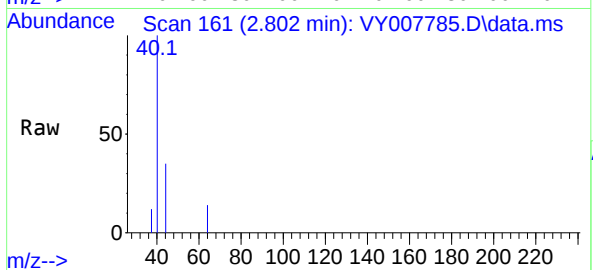




#6
Chloroethane
Concen: 2.030 ug/l
RT: 2.802 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

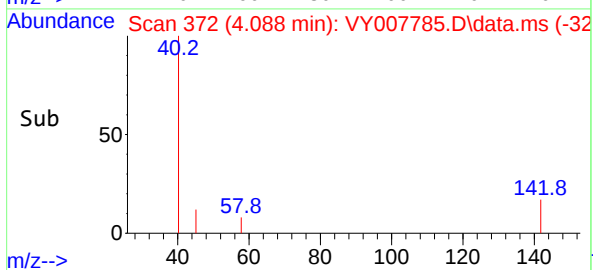
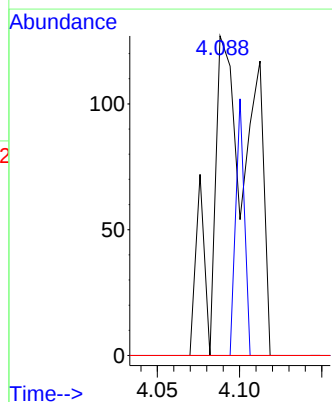
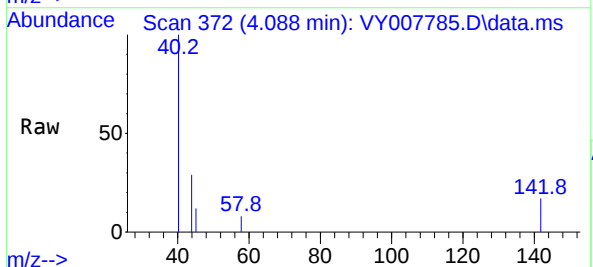
Instrument :
MSVOA_Y
ClientSampleId :

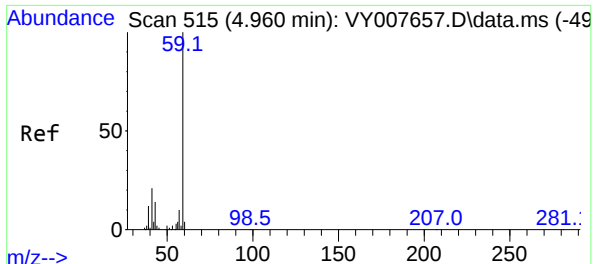
Tgt Ion: 64 Resp: 78
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 4.963 ug/l
RT: 4.088 min Scan# 372
Delta R.T. -0.001 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion: 142 Resp: 211
Ion Ratio Lower Upper
142 100
127 17.5 41.5 62.3#
141 0.0 11.9 17.9#

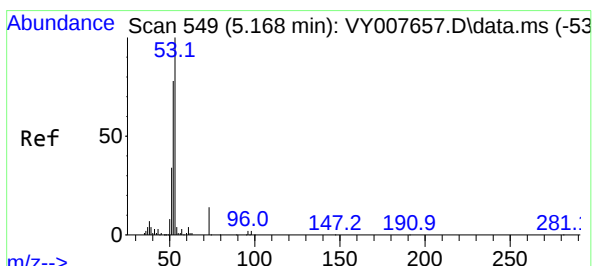
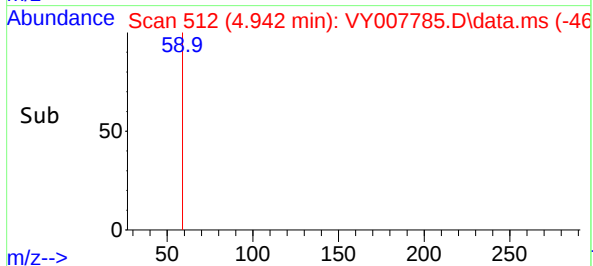
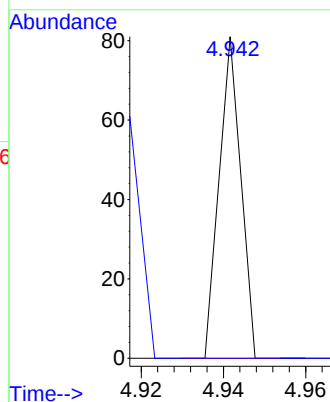
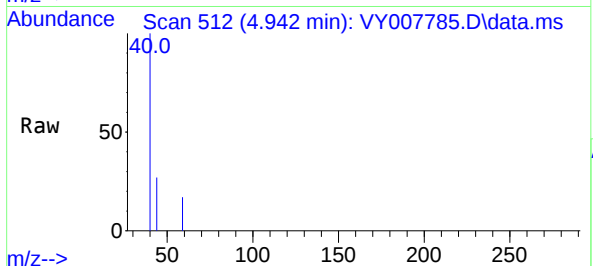




#11
Tert butyl alcohol
Concen: 9.910 ug/l
RT: 4.942 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

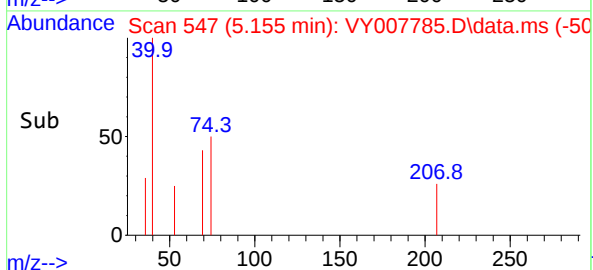
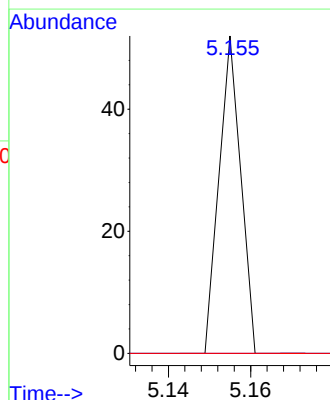
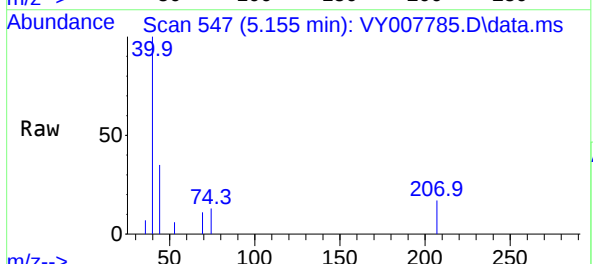
Instrument :
MSVOA_Y
ClientSampleId :

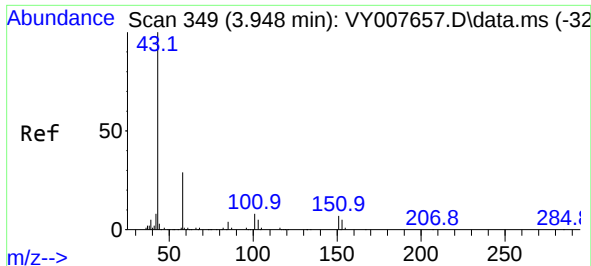
Tgt Ion: 59 Resp: 30
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#15
Acrylonitrile
Concen: 1.954 ug/l
RT: 5.155 min Scan# 547
Delta R.T. -0.013 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion: 53 Resp: 19
Ion Ratio Lower Upper
53 100
52 0.0 67.0 100.4#
51 0.0 29.8 44.6#

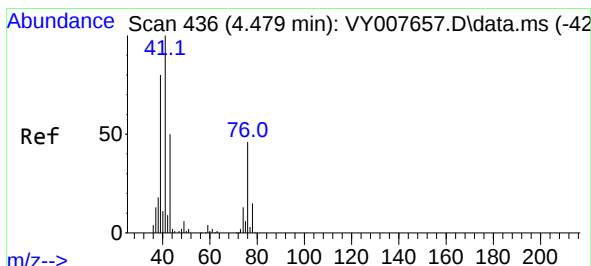
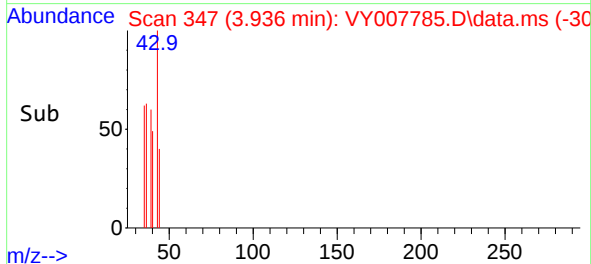
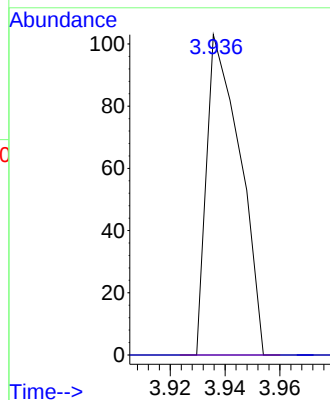
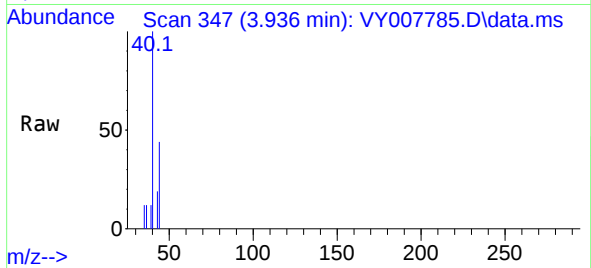




#16
Acetone
Concen: 12.231 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

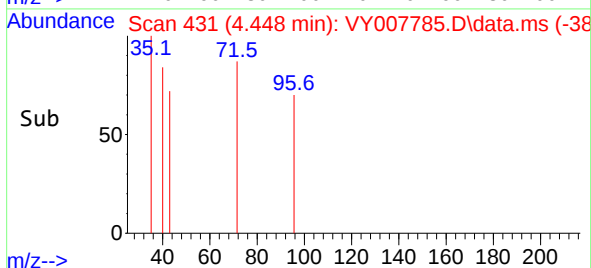
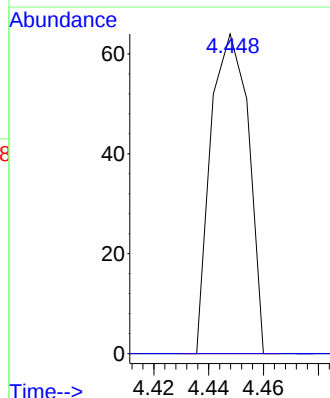
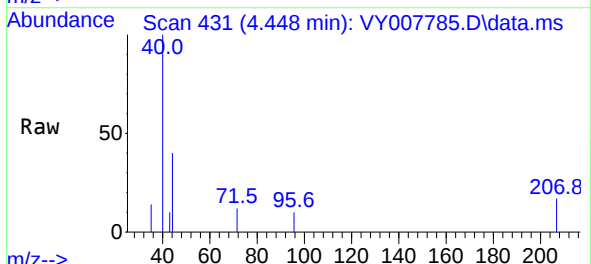
Instrument :
MSVOA_Y
ClientSampleId :

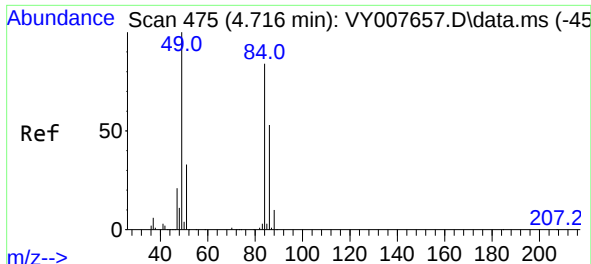
Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.448 min Scan# 431
Delta R.T. -0.031 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

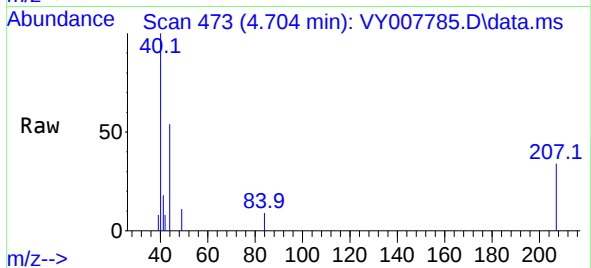
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



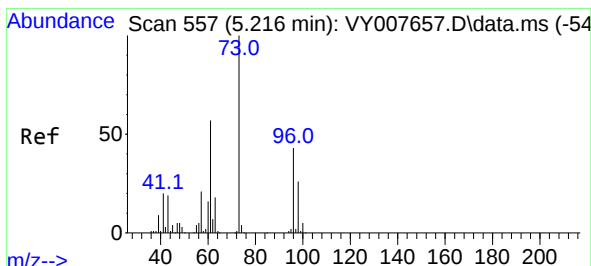
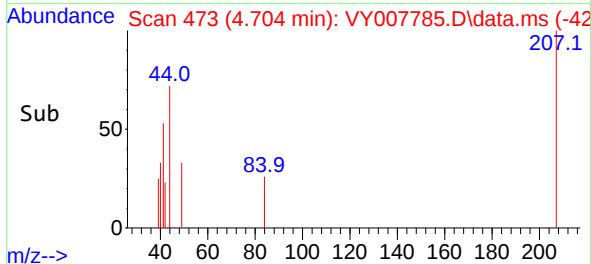
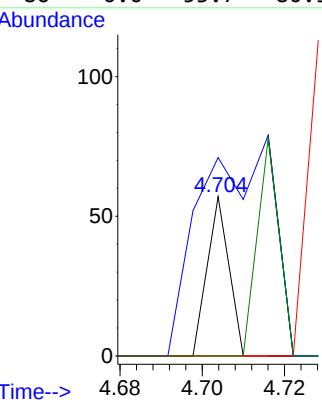


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :

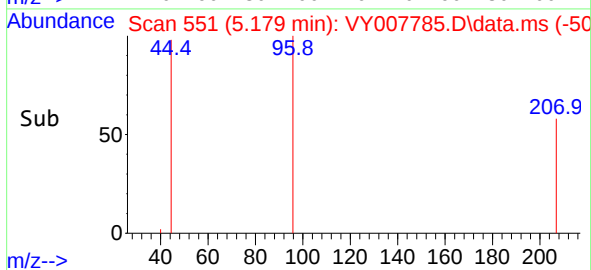
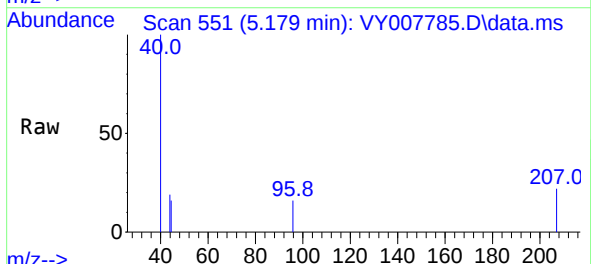
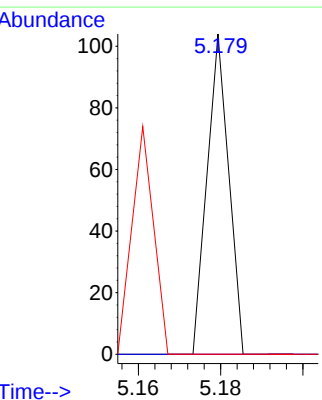


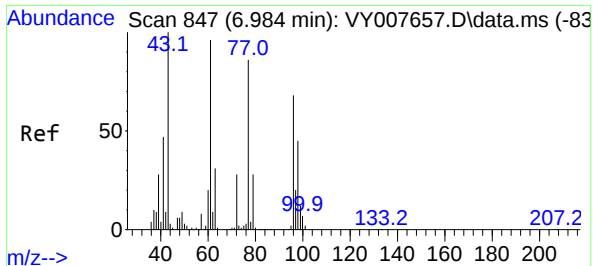
Tgt Ion:	84	Resp:	21
Ion	Ratio	Lower	Upper
84	100		
49	124.6	114.4	171.6
51	0.0	35.3	52.9#
86	0.0	53.7	80.5#



#21
trans-1,2-Dichloroethene
Concen: 1.050 ug/l
RT: 5.179 min Scan# 551
Delta R.T. -0.037 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion:	96	Resp:	38
Ion	Ratio	Lower	Upper
96	100		
61	0.0	120.5	180.7#
98	0.0	49.8	74.8#





#25

2-Butanone

Concen: 2.849 ug/l

RT: 7.033 min Scan# 81

Delta R.T. 0.049 min

Lab File: VY007785.D

Acq: 08 Mar 2022 17:15

Instrument :

MSVOA_Y

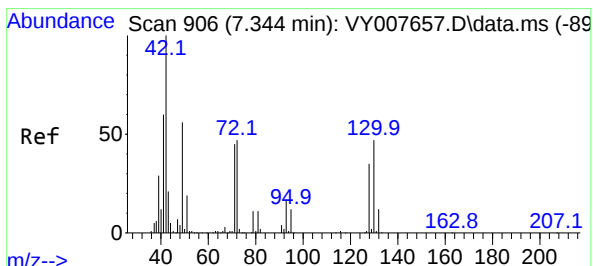
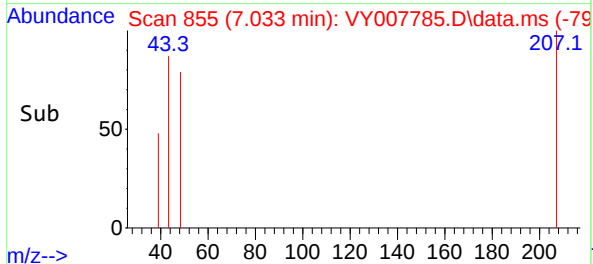
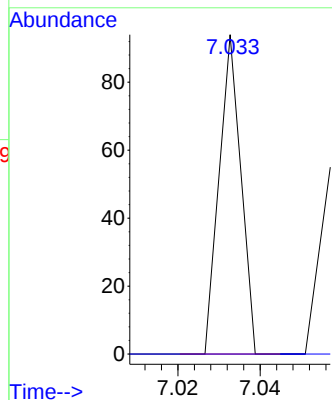
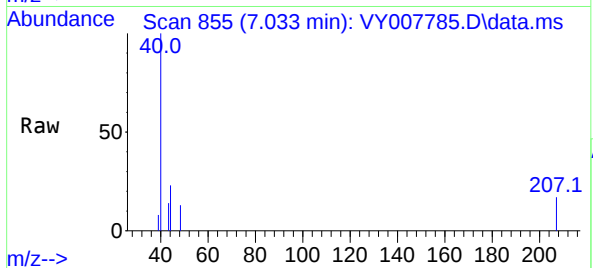
ClientSampleId :

Tgt Ion: 43 Resp: 34

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#29

Tetrahydrofuran

Concen: 2.450 ug/l

RT: 7.398 min Scan# 915

Delta R.T. 0.054 min

Lab File: VY007785.D

Acq: 08 Mar 2022 17:15

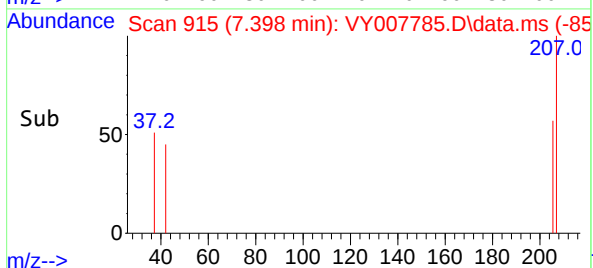
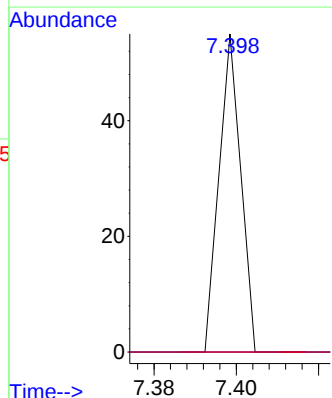
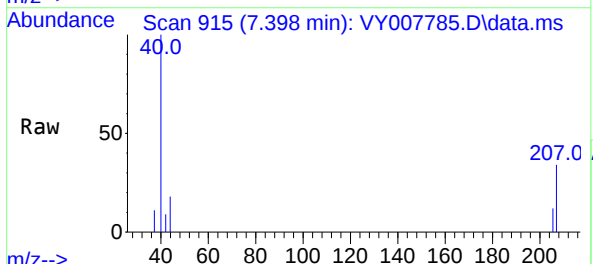
Tgt Ion: 42 Resp: 20

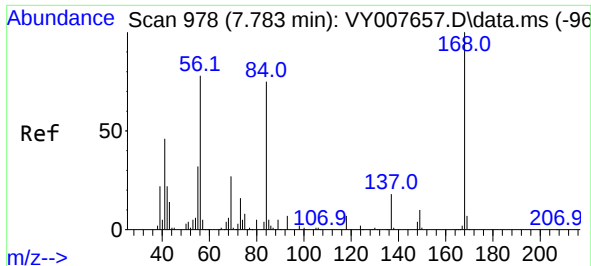
Ion Ratio Lower Upper

42 100

72 0.0 30.3 45.5#

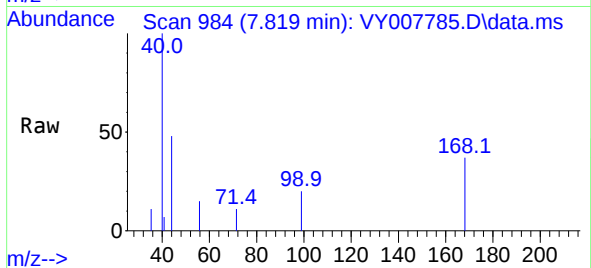
71 0.0 29.0 43.4#



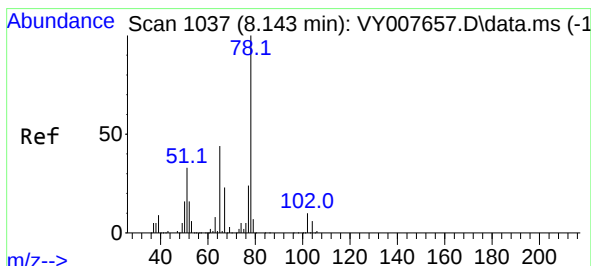
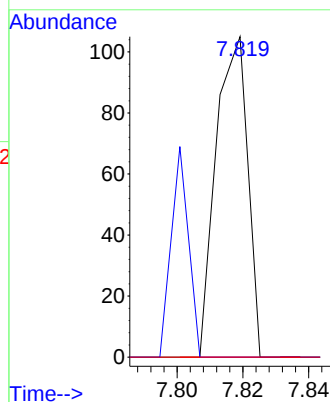
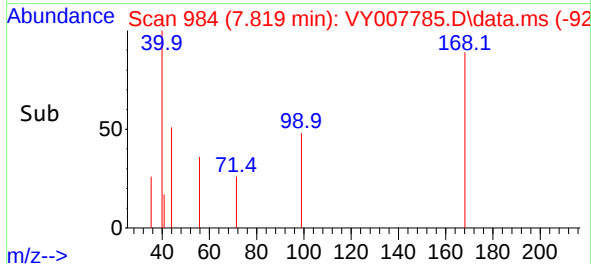


#31
Cyclohexane
Concen: Below Cal
RT: 7.819 min Scan# 91
Delta R.T. 0.036 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :

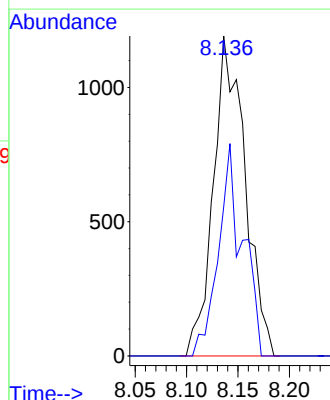
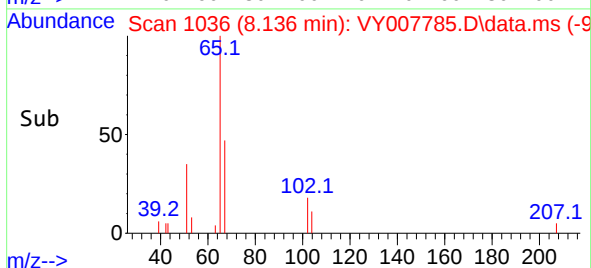
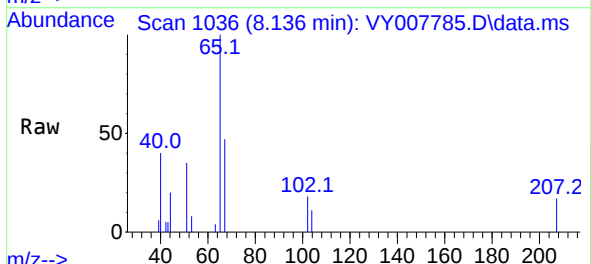


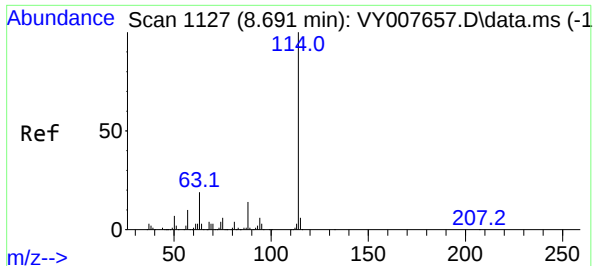
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
69 0.0 26.7 40.1#
84 0.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 73.155 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion: 65 Resp: 2558
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY007785.D

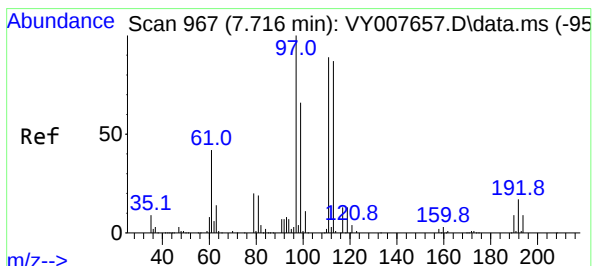
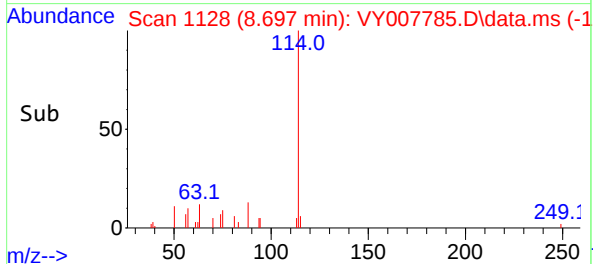
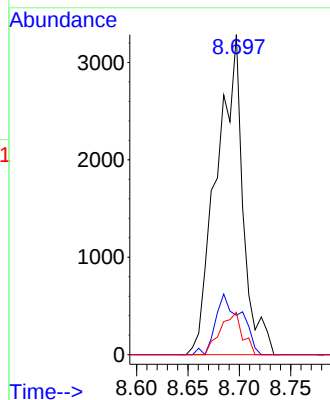
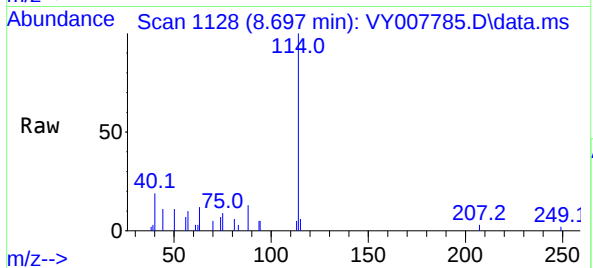
Acq: 08 Mar 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	5858
Ion	Ratio	Lower	Upper
114	100		
63	12.3	0.0	43.2
88	13.2	0.0	31.8



#35

Dibromofluoromethane

Concen: 55.564 ug/l

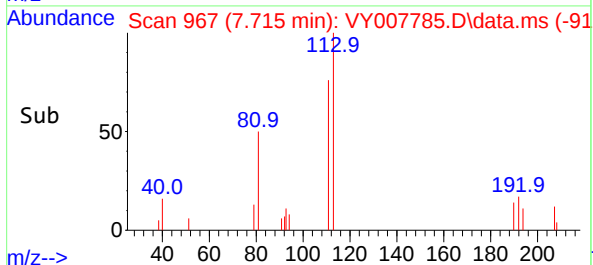
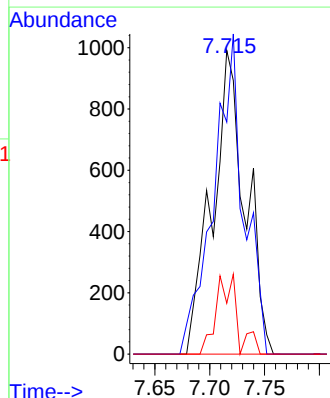
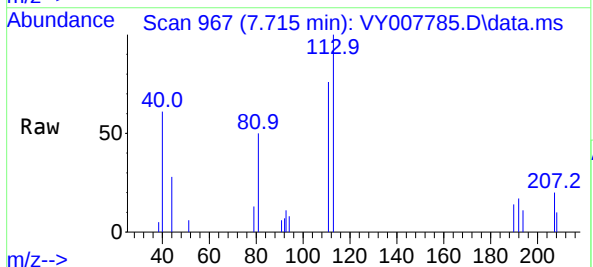
RT: 7.715 min Scan# 967

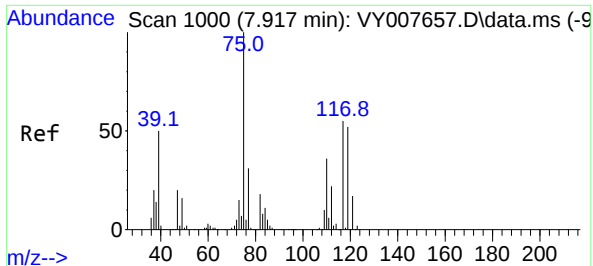
Delta R.T. -0.001 min

Lab File: VY007785.D

Acq: 08 Mar 2022 17:15

Tgt Ion:	113	Resp:	2081
Ion	Ratio	Lower	Upper
113	100		
111	96.3	82.6	124.0
192	16.7	17.6	26.4





#36

1,1-Dichloropropene

Concen: 7.553 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007785.D

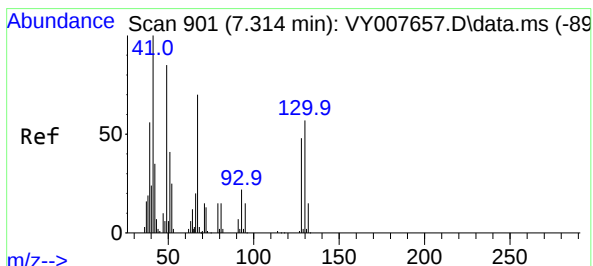
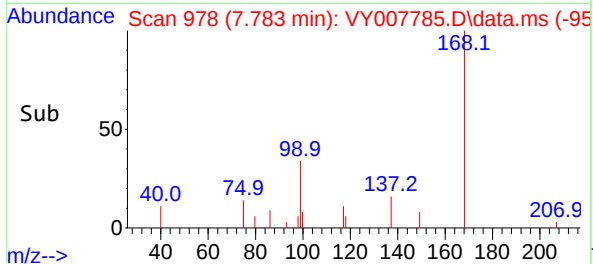
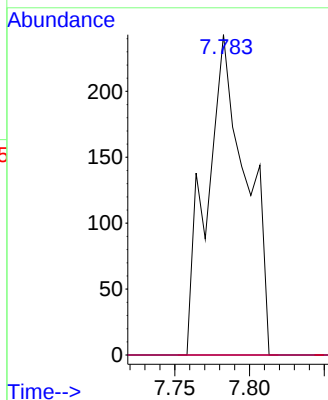
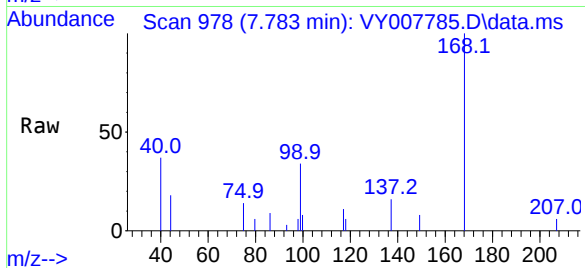
Acq: 08 Mar 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	445
Ion	Ratio	Lower Upper
75	100	
110	0.0	17.1 51.2#
77	0.0	24.4 36.6#



#41

Methacrylonitrile

Concen: 2.572 ug/l

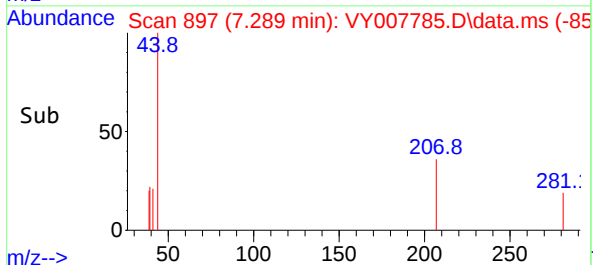
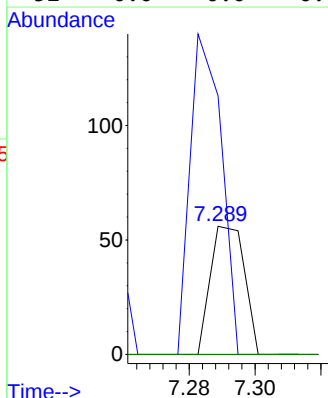
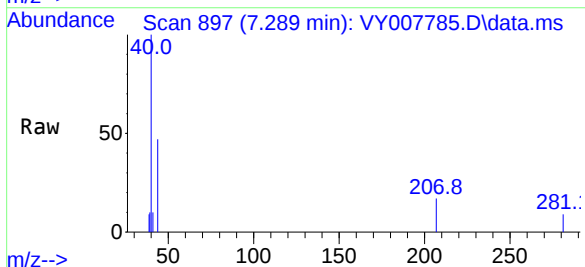
RT: 7.289 min Scan# 897

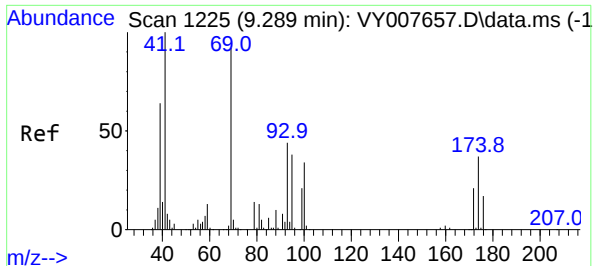
Delta R.T. -0.025 min

Lab File: VY007785.D

Acq: 08 Mar 2022 17:15

Tgt Ion: 41	Resp:	40
Ion	Ratio	Lower Upper
41	100	
39	232.5	92.9 139.3#
67	0.0	0.0 0.0
52	0.0	0.0 0.0





#48

Methyl methacrylate

Concen: 3.029 ug/l

RT: 9.349 min Scan# 1198

Delta R.T. 0.060 min

Lab File: VY007785.D

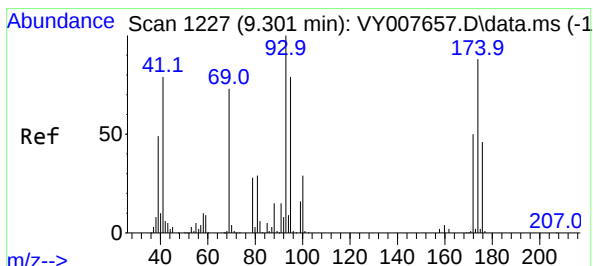
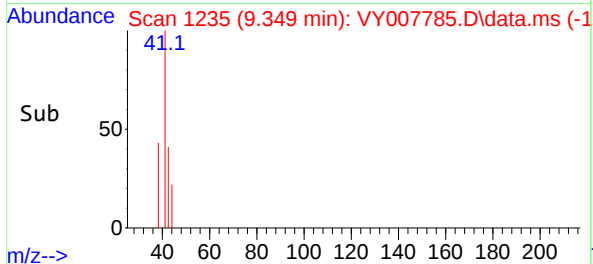
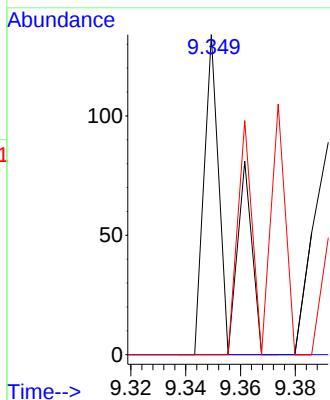
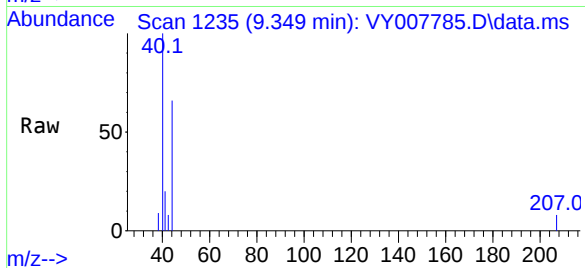
Acq: 08 Mar 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 41	Resp: 79
Ion Ratio	Lower Upper
41 100	
69 0.0	58.2 87.2#
39 0.0	47.4 71.0#



#49

1,4-Dioxane

Concen: 84.615 ug/l

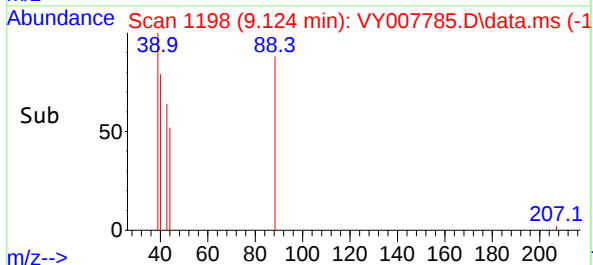
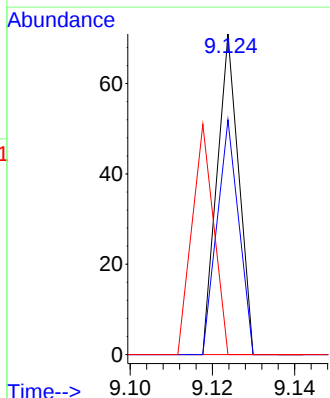
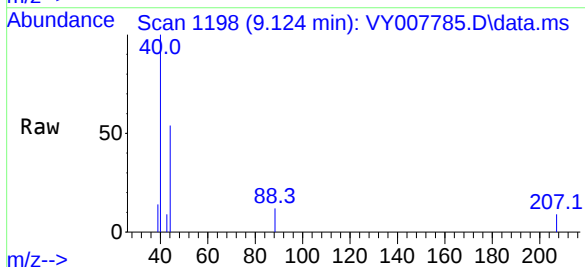
RT: 9.124 min Scan# 1198

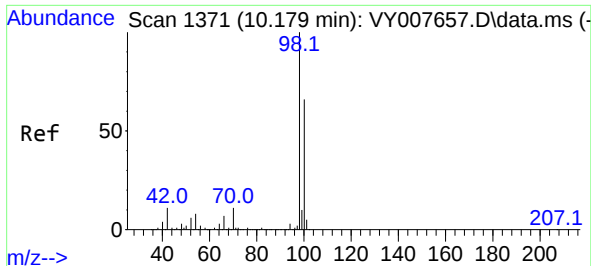
Delta R.T. -0.177 min

Lab File: VY007785.D

Acq: 08 Mar 2022 17:15

Tgt Ion: 88	Resp: 26
Ion Ratio	Lower Upper
88 100	
43 73.1	32.8 49.2#
58 73.1	59.8 89.6

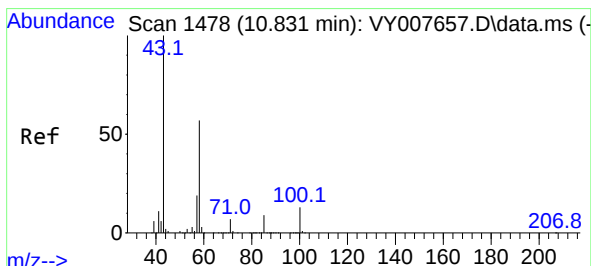
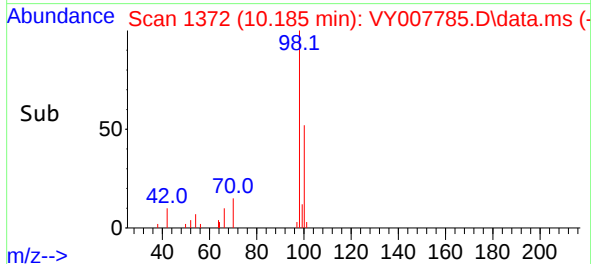
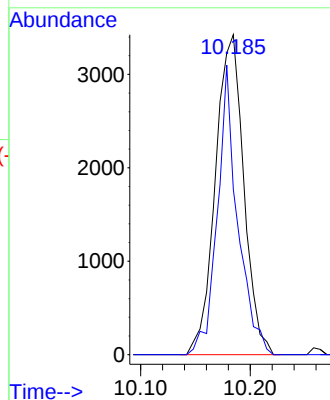
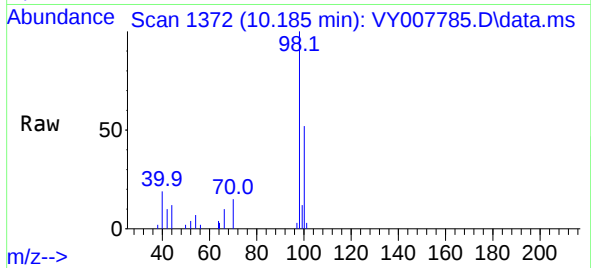




#50
Toluene-d8
Concen: 44.747 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

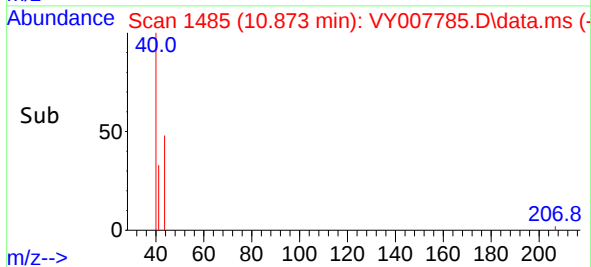
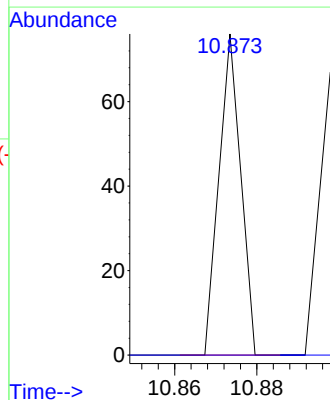
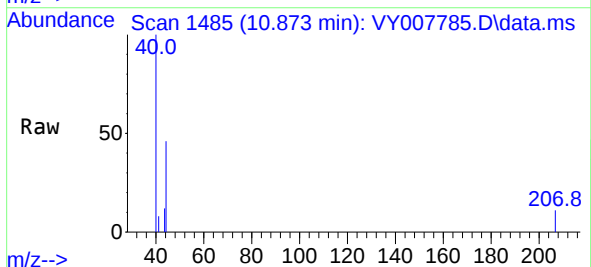
Instrument :
MSVOA_Y
ClientSampleId :

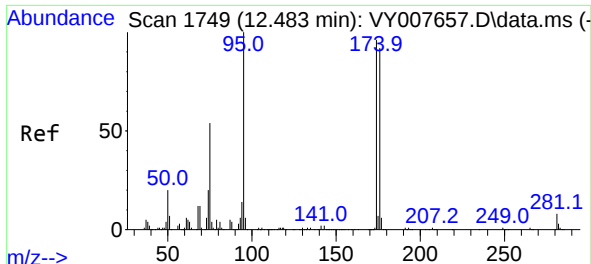
Tgt Ion: 98 Resp: 6169
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#59
2-Hexanone
Concen: 1.291 ug/l
RT: 10.873 min Scan# 1485
Delta R.T. 0.042 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion: 43 Resp: 28
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#





#62

4-Bromofluorobenzene

Concen: 31.549 ug/l

RT: 12.477 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007785.D

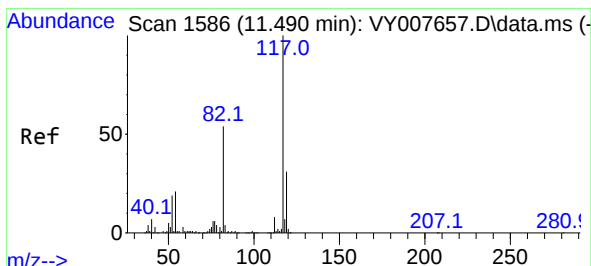
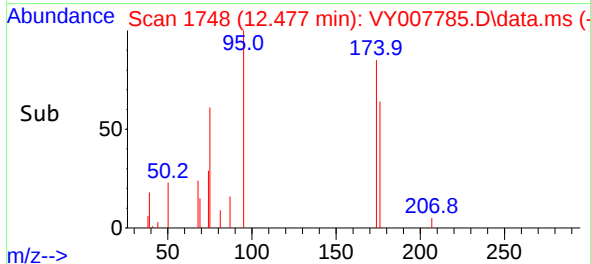
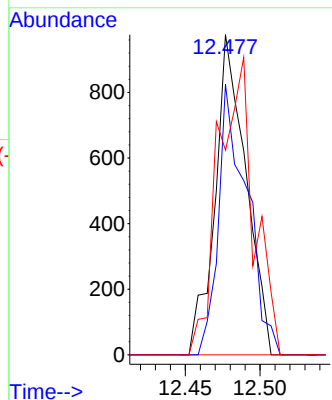
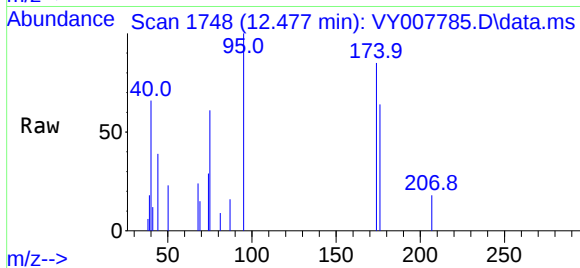
Acq: 08 Mar 2022 17:15

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	95	Resp:	1402
Ion	Ratio	Lower	Upper
95	100		
174	77.6	0.0	177.0
176	106.8	0.0	175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

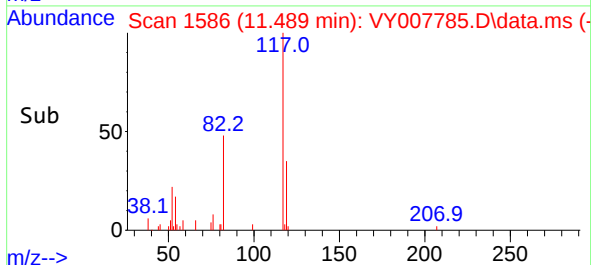
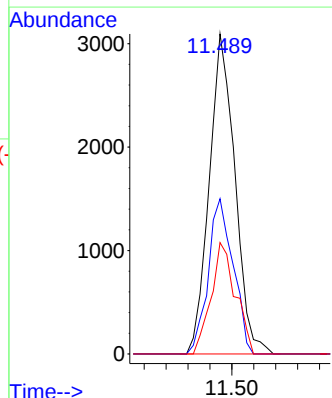
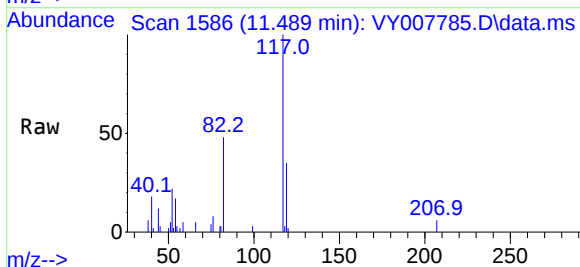
RT: 11.489 min Scan# 1586

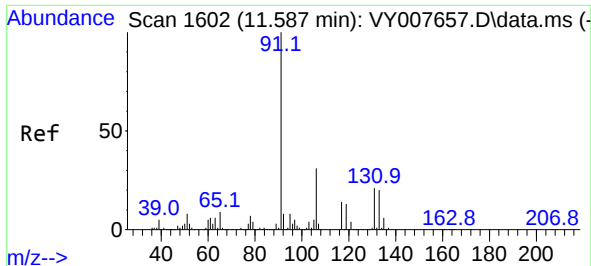
Delta R.T. -0.001 min

Lab File: VY007785.D

Acq: 08 Mar 2022 17:15

Tgt Ion:	117	Resp:	5036
Ion	Ratio	Lower	Upper
117	100		
82	48.5	43.0	64.4
119	34.8	25.4	38.0

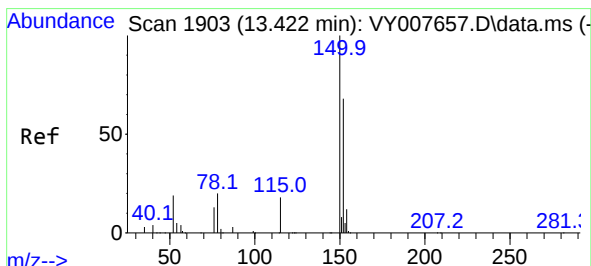
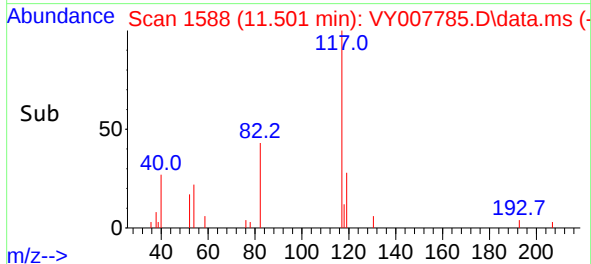
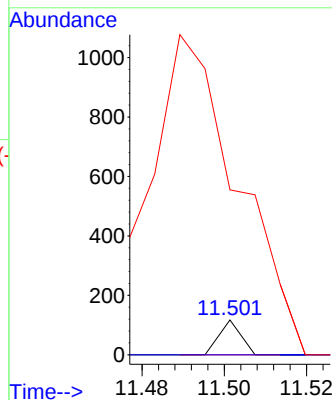
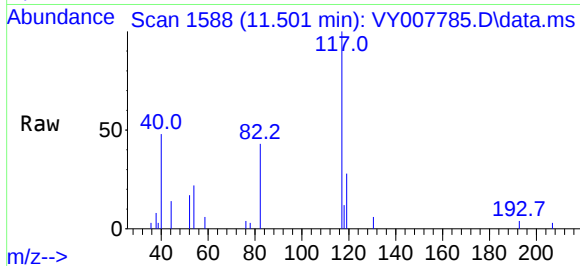




#66
1,1,1,2-Tetrachloroethane
Concen: 1.048 ug/l
RT: 11.501 min Scan# 11
Delta R.T. -0.086 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

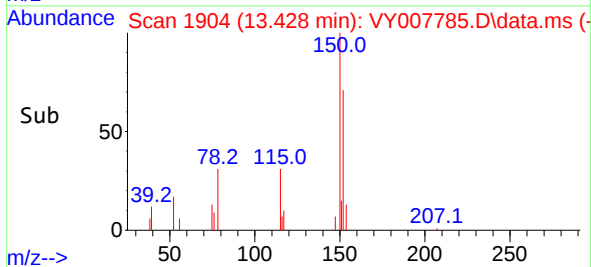
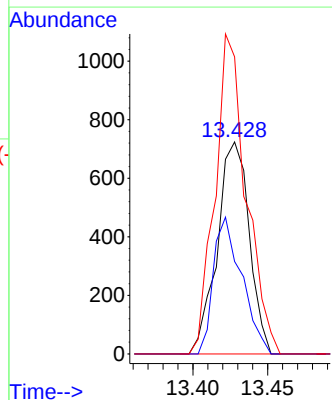
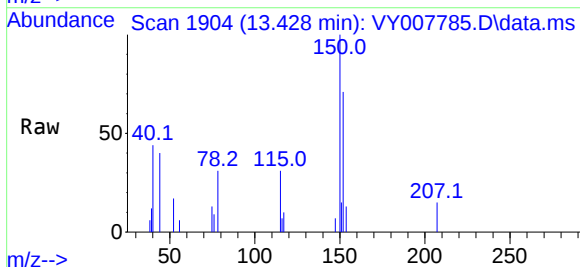
Instrument :
MSVOA_Y
ClientSampleId :

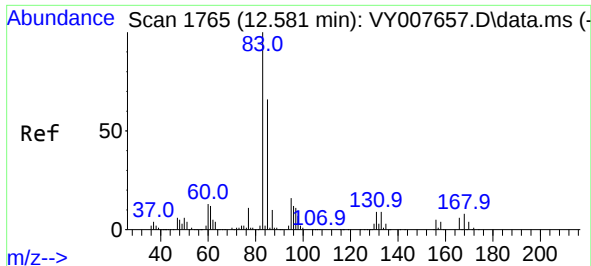
Tgt Ion:131 Resp: 43
Ion Ratio Lower Upper
131 100
133 0.0 47.9 143.6#
119 3872.1 30.8 92.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion:152 Resp: 1076
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.7
150 147.2 0.0 347.6

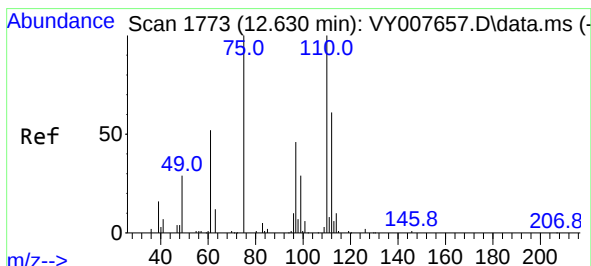
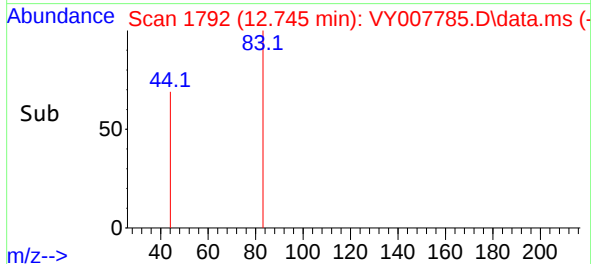
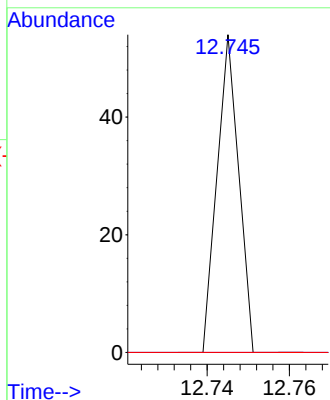
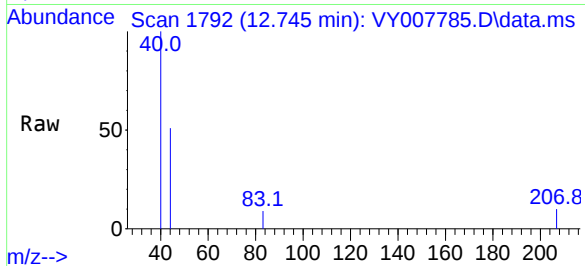




#75
1,1,2,2-Tetrachloroethane
Concen: 1.138 ug/l
RT: 12.745 min Scan# 1748
Delta R.T. 0.164 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

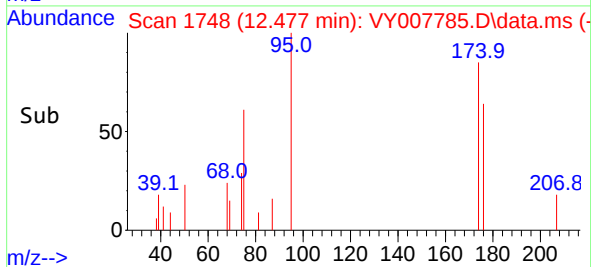
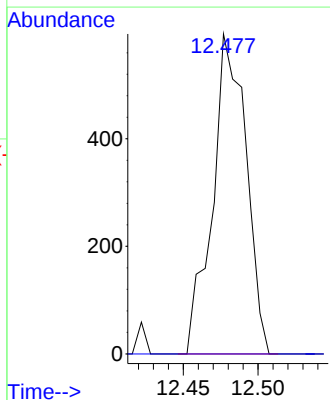
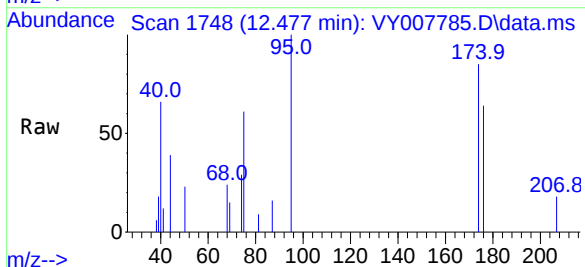
Instrument :
MSVOA_Y
ClientSampleId :

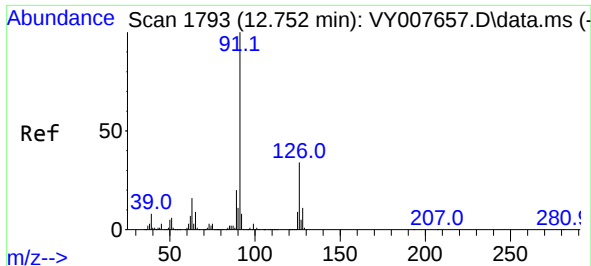
Tgt Ion: 83 Resp: 20
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 77.228 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion: 75 Resp: 928
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#79

2-Chlorotoluene

Concen: 1.053 ug/l

RT: 12.715 min Scan# 11

Delta R.T. -0.037 min

Lab File: VY007785.D

Acq: 08 Mar 2022 17:15

Instrument :

MSVOA_Y

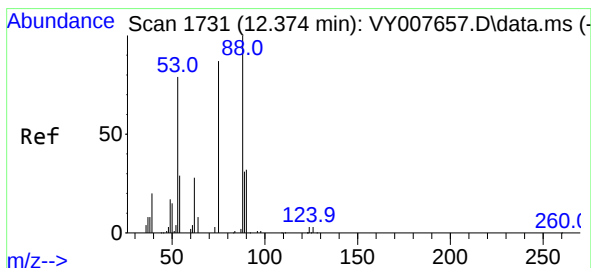
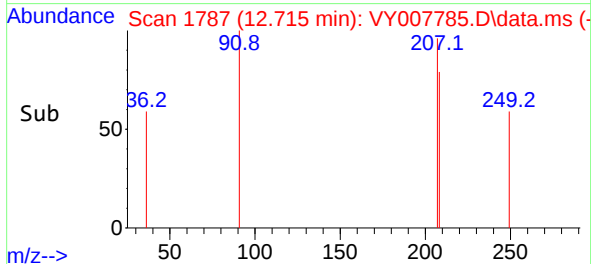
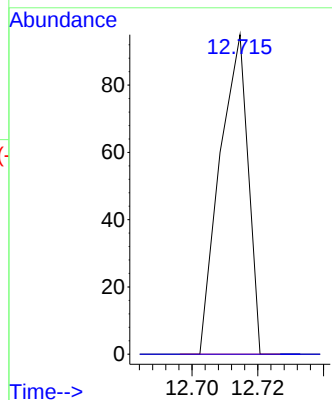
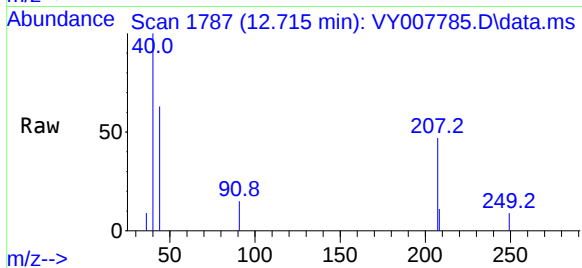
ClientSampleId :

Tgt Ion: 91 Resp: 57

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 157.883 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.103 min

Lab File: VY007785.D

Acq: 08 Mar 2022 17:15

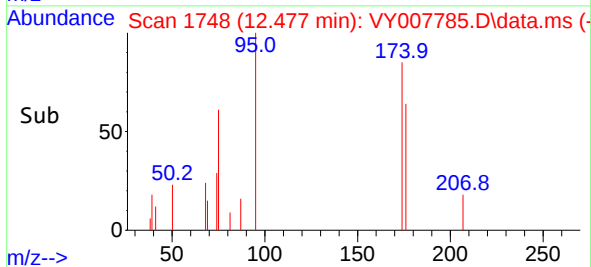
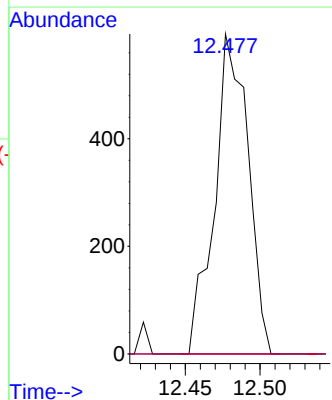
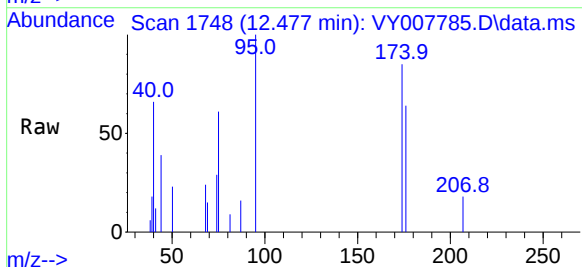
Tgt Ion: 75 Resp: 928

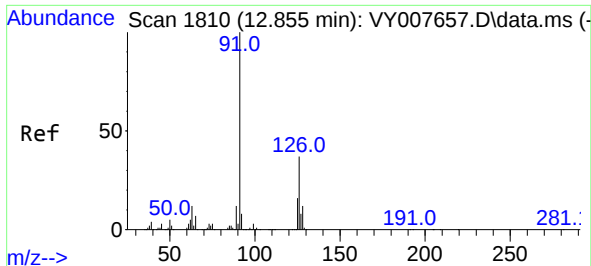
Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

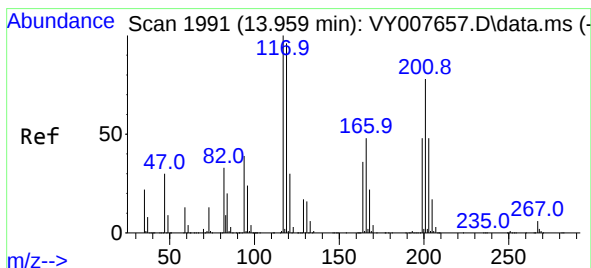
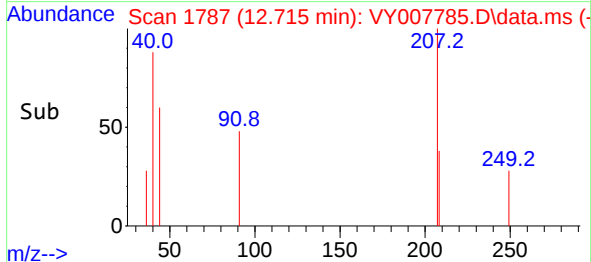
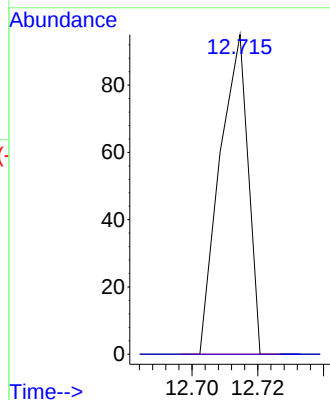
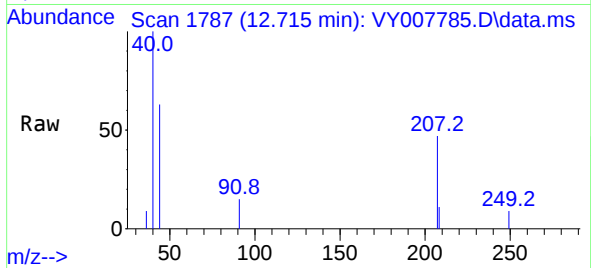




#82
4-Chlorotoluene
Concen: 1.024 ug/l
RT: 12.715 min Scan# 11
Delta R.T. -0.140 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

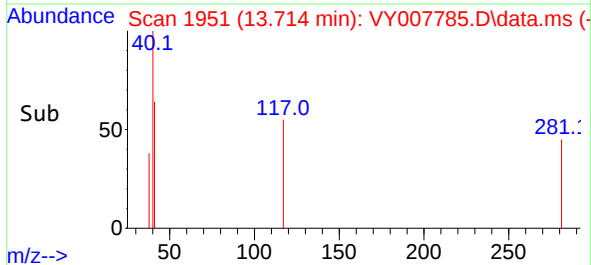
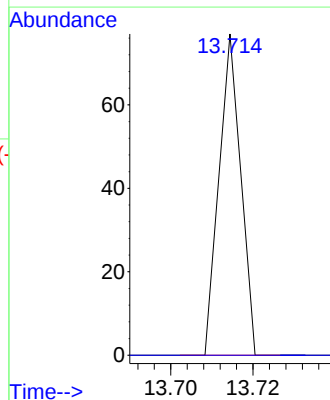
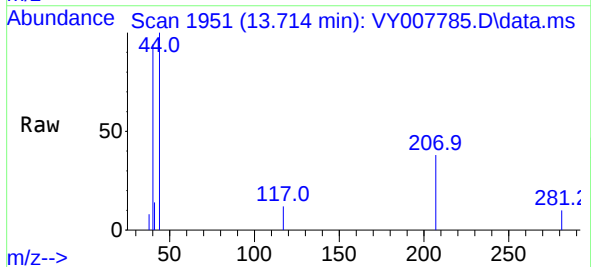
Instrument :
MSVOA_Y
ClientSampleId :

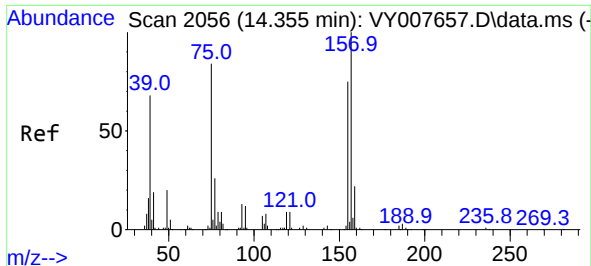
Tgt Ion: 91 Resp: 57
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#90
Hexachloroethane
Concen: 1.961 ug/l
RT: 13.714 min Scan# 1951
Delta R.T. -0.245 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Tgt Ion: 117 Resp: 28
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#92
1,2-Dibromo-3-Chloropropane
Concen: 11.267 ug/l
RT: 14.233 min Scan# 20
Delta R.T. -0.122 min
Lab File: VY007785.D
Acq: 08 Mar 2022 17:15

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#

