

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009491.D
 Acq On : 08 Jul 2022 18:33
 Operator : KP/MD
 Sample : N3595-11
 Misc : 5.68g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220490B-8B

Quant Time: Jul 11 02:16:04 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)

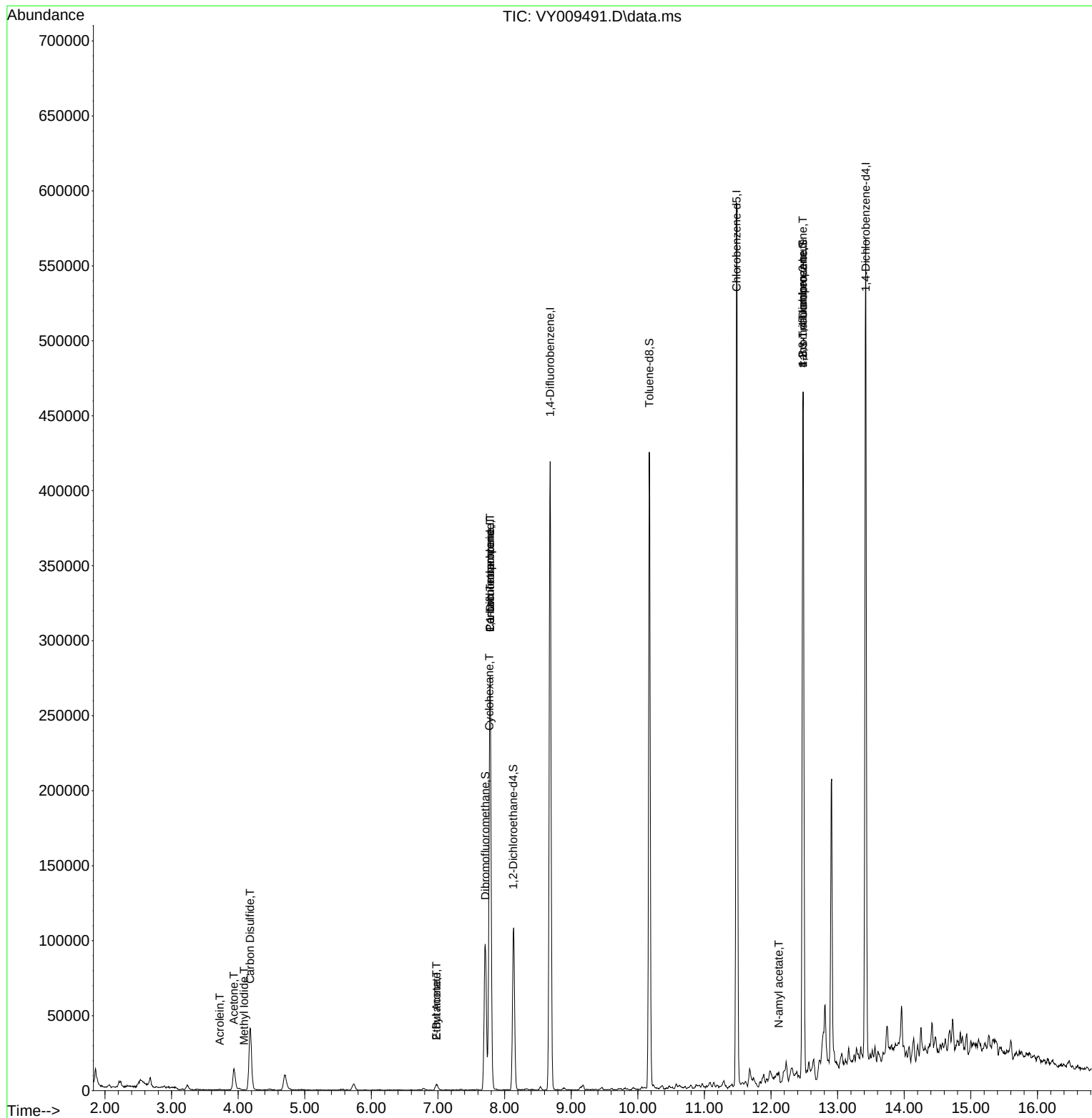
Internal Standards						
1) Pentafluorobenzene	7.783	168	221888	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	356701	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	311793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	80577	51.783	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.560%	
35) Dibromofluoromethane	7.710	113	70484	37.554	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 75.100%	
50) Toluene-d8	10.173	98	267180	52.294	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 104.580%	
62) 4-Bromofluorobenzene	12.477	95	93158	35.163	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 70.320%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	281	4.260	ug/l #	39
11) Tert butyl alcohol	4.936	59	209	Below Cal	#	60
13) Acrolein	3.723	56	400	32.241	ug/l #	59
16) Acetone	3.936	43	23804	44.100	ug/l	90
17) Carbon Disulfide	4.180	76	84003	17.116	ug/l	99
20) Methylene Chloride	4.692	84	7109	Below Cal	#	88
23) Vinyl Acetate	6.064	43	54	Below Cal	#	75
25) 2-Butanone	6.978	43	6143	7.035	ug/l	92
31) Cyclohexane	7.771	56	4952	1.360	ug/l #	27
36) 1,1-Dichloropropene	7.783	75	16134	5.280	ug/l #	51
37) Ethyl Acetate	6.978	43	6143	3.207	ug/l #	72
38) Carbon Tetrachloride	7.783	117	20544	6.287	ug/l #	14
74) N-amyl acetate	12.117	43	2861	1.067	ug/l #	47
76) 1,2,3-Trichloropropane	12.477	75	51127	35.056	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51127	71.746	ug/l #	8

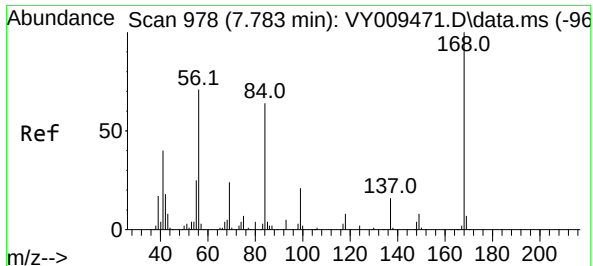
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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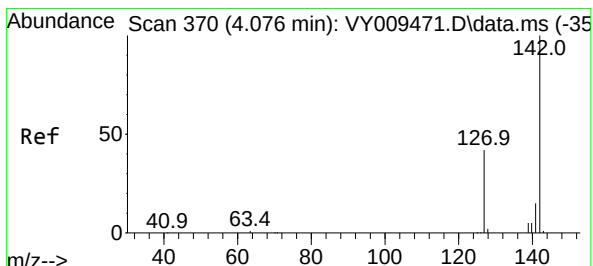
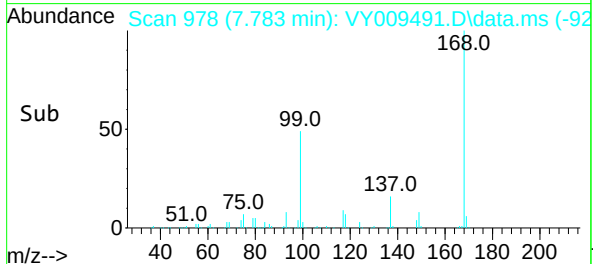
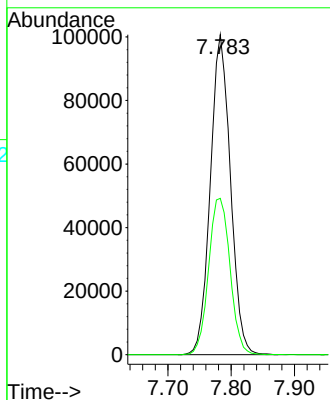
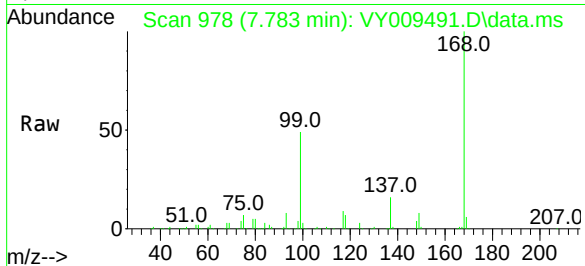




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

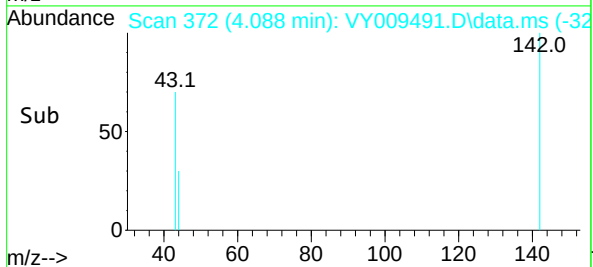
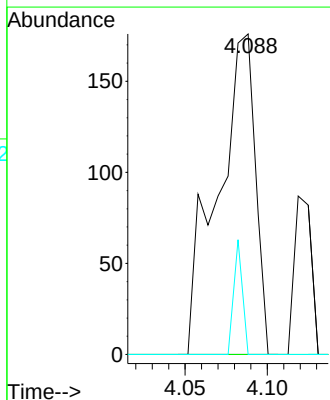
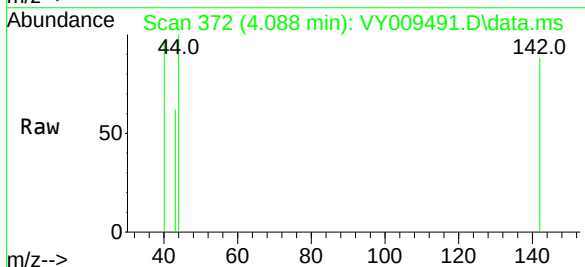
Instrument :
MSVOA_Y
ClientSampleId :
20220490B-8B

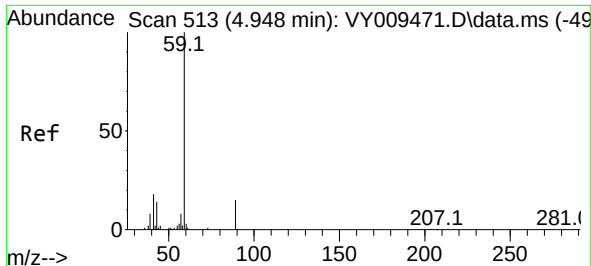
Tgt Ion:168 Resp: 221888
Ion Ratio Lower Upper
168 100
99 48.9 46.9 70.3



#10
Methyl Iodide
Concen: 4.260 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.012 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

Tgt Ion:142 Resp: 281
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 8.2 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 513

Delta R.T. -0.012 min

Lab File: VY009491.D

Acq: 08 Jul 2022 18:33

Instrument :

MSVOA_Y

ClientSampleId :

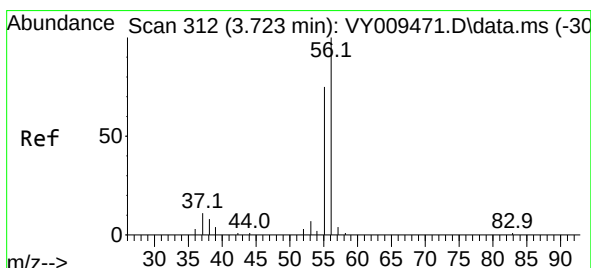
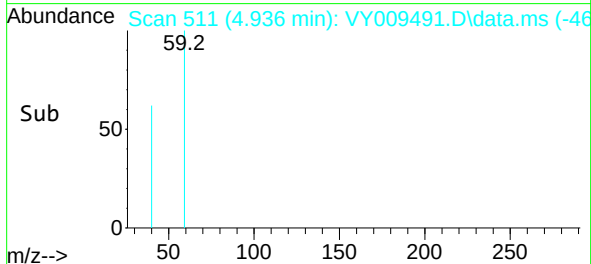
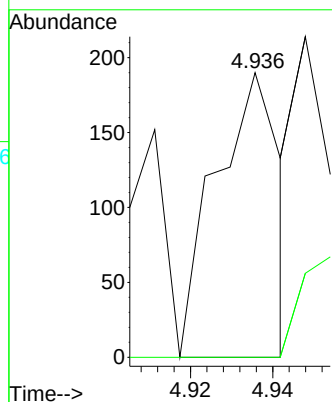
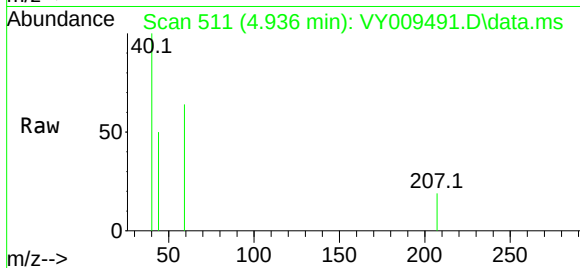
20220490B-8B

Tgt Ion: 59 Resp: 209

Ion Ratio Lower Upper

59 100

57 22.0 6.4 9.6#



#13

Acrolein

Concen: 32.241 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY009491.D

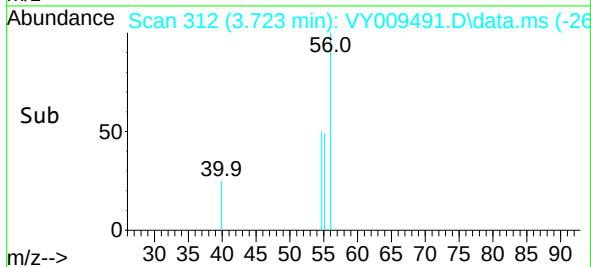
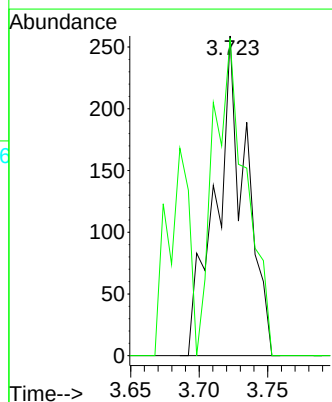
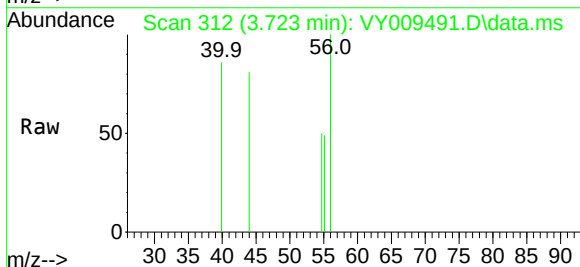
Acq: 08 Jul 2022 18:33

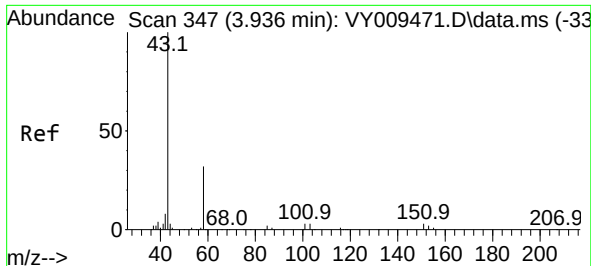
Tgt Ion: 56 Resp: 400

Ion Ratio Lower Upper

56 100

55 106.5 57.6 86.4#

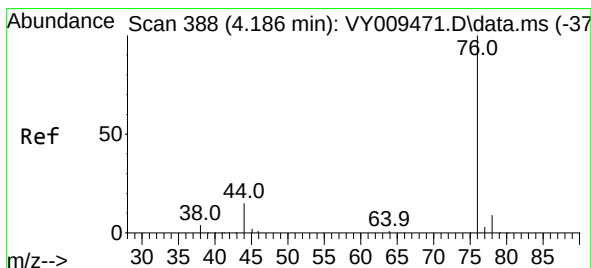
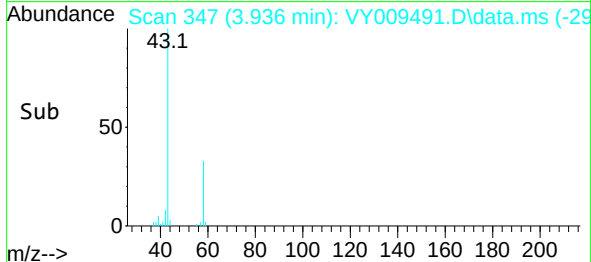
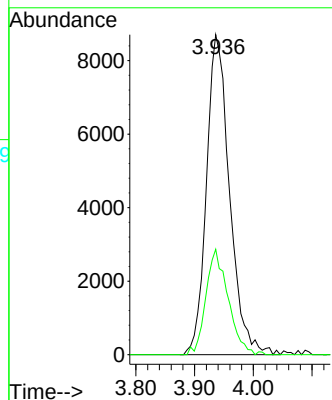
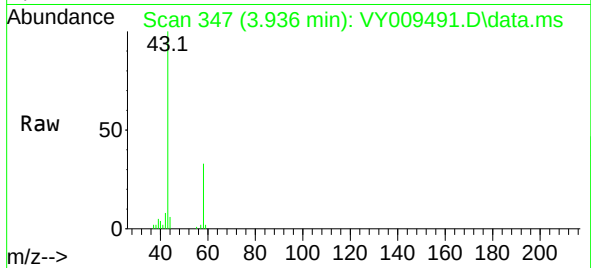




#16
Acetone
Concen: 44.100 ug/l
RT: 3.936 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

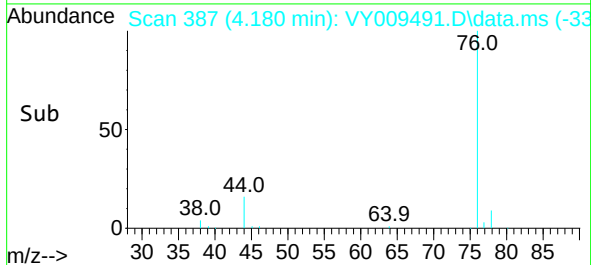
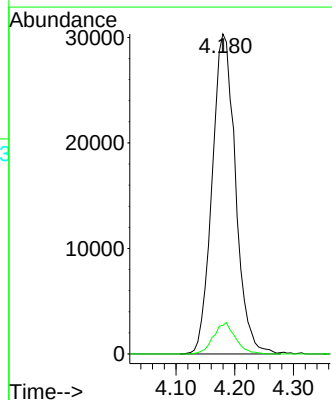
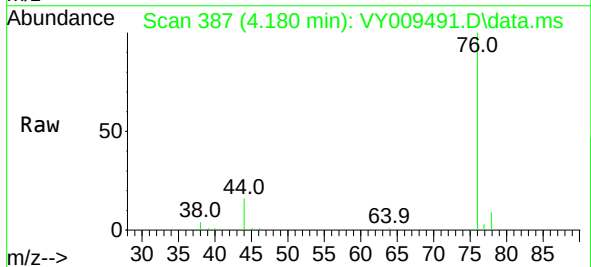
Instrument :
MSVOA_Y
ClientSampleId :
20220490B-8B

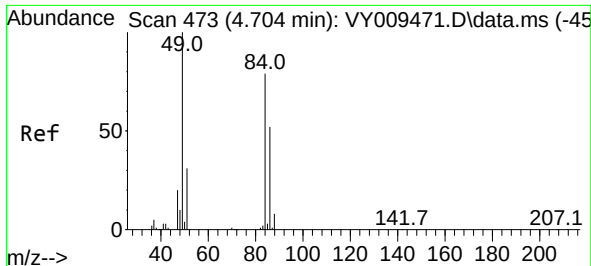
Tgt Ion: 43 Resp: 23804
Ion Ratio Lower Upper
43 100
58 32.9 22.0 33.0



#17
Carbon Disulfide
Concen: 17.116 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

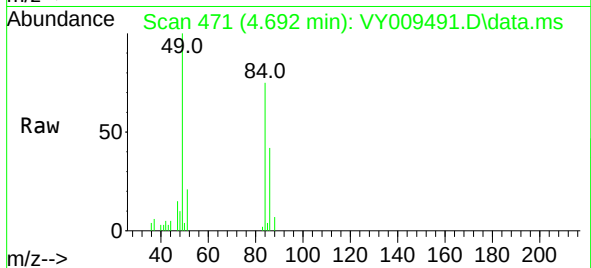
Tgt Ion: 76 Resp: 84003
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



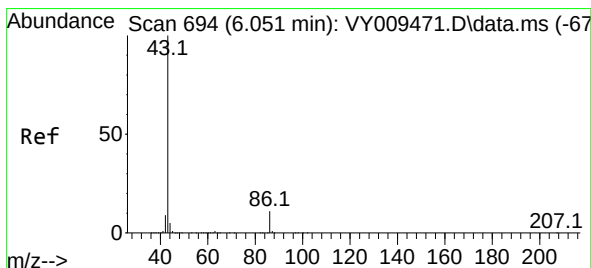
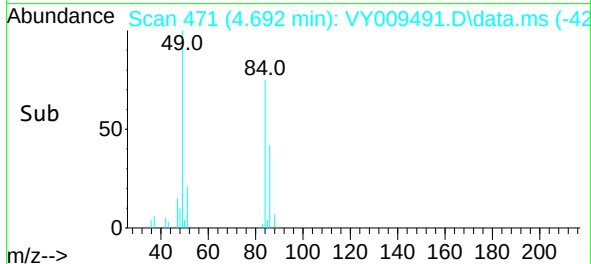
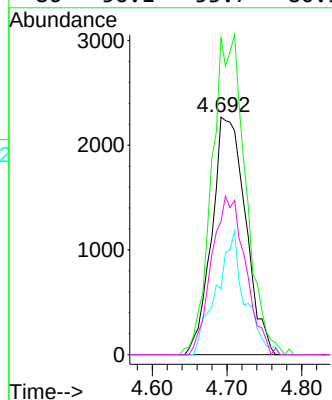


#20
Methylene Chloride
Concen: Below Cal
RT: 4.692 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

Instrument :
MSVOA_Y
ClientSampleId :
20220490B-8B

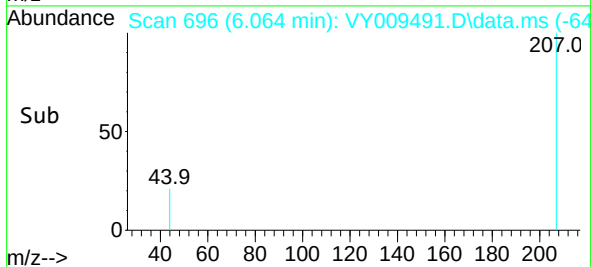
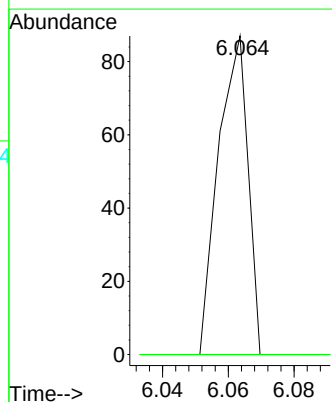
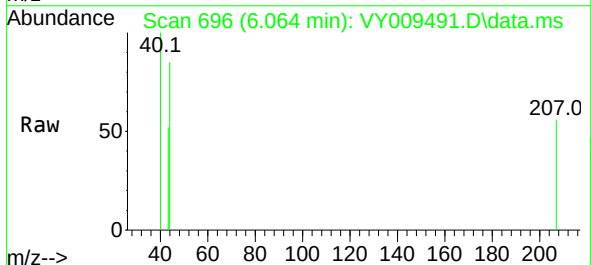


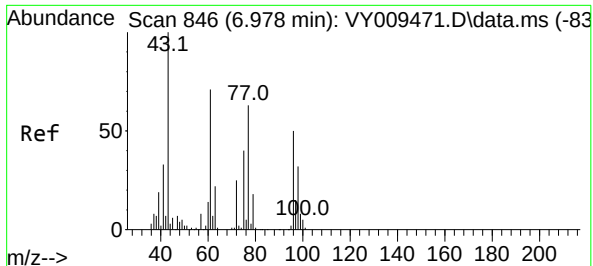
Tgt Ion: 84 Resp: 7109
Ion Ratio Lower Upper
84 100
49 133.2 114.4 171.6
51 27.9 35.3 52.9#
86 56.1 53.7 80.5



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.064 min Scan# 696
Delta R.T. 0.013 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#

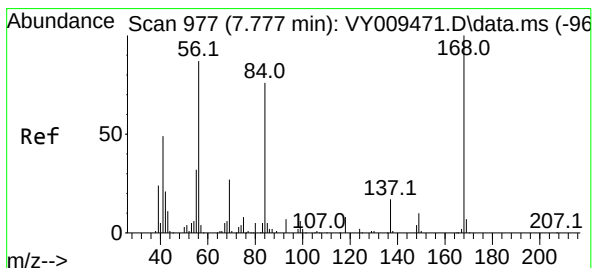
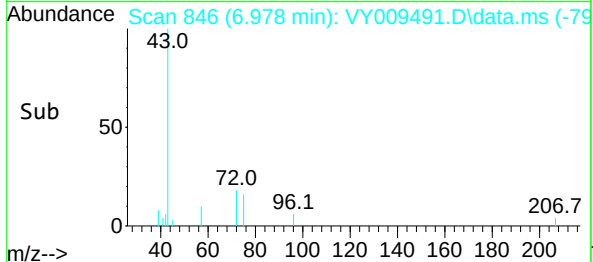
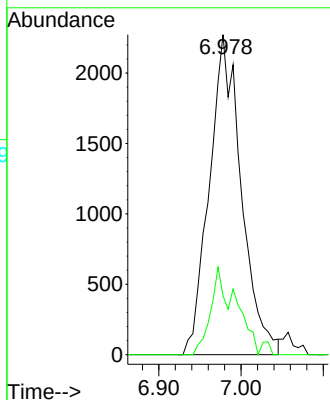
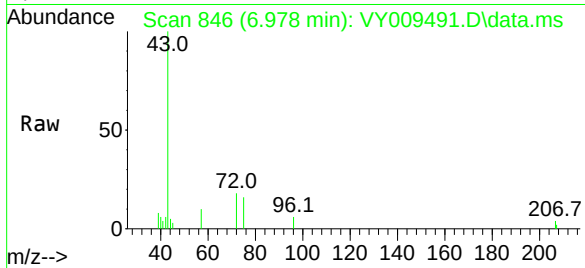




#25
2-Butanone
Concen: 7.035 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

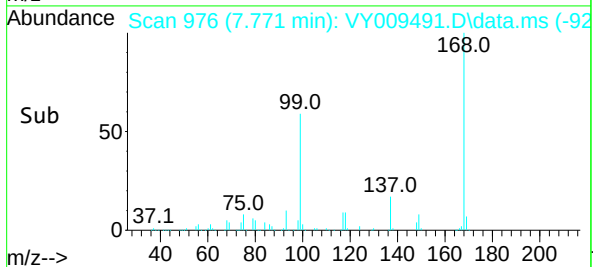
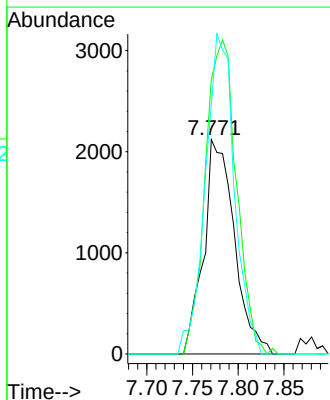
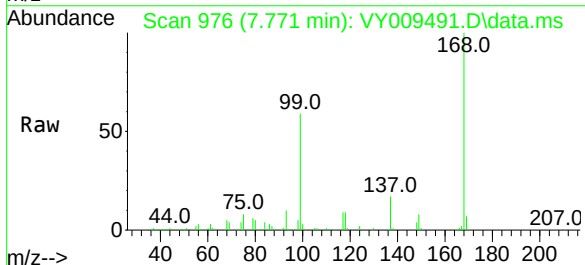
Instrument :
MSVOA_Y
ClientSampleId :
20220490B-8B

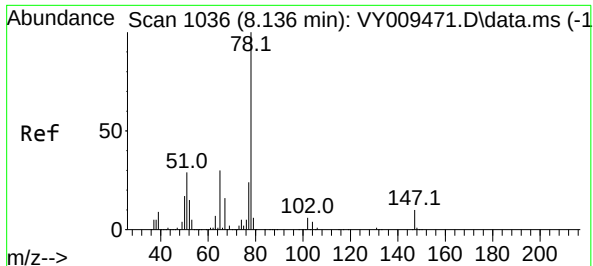
Tgt Ion: 43 Resp: 6143
Ion Ratio Lower Upper
43 100
72 18.5 17.7 26.5



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.006 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

Tgt Ion: 56 Resp: 4952
Ion Ratio Lower Upper
56 100
69 128.1 26.7 40.1#
84 116.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 51.783 ug/l

RT: 8.130 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY009491.D

Acq: 08 Jul 2022 18:33

Instrument :

MSVOA_Y

ClientSampleId :

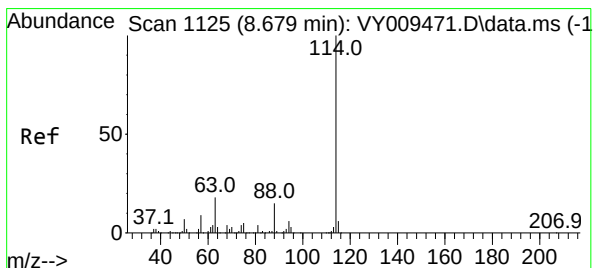
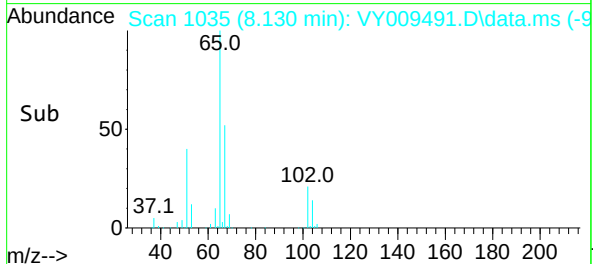
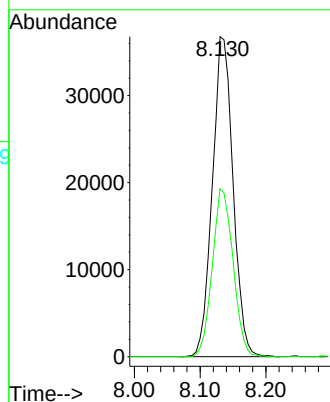
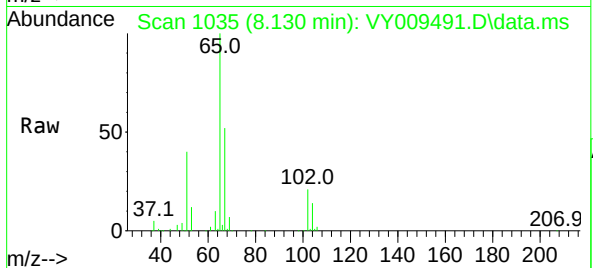
20220490B-8B

Tgt Ion: 65 Resp: 80577

Ion Ratio Lower Upper

65 100

67 52.6 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: VY009491.D

Acq: 08 Jul 2022 18:33

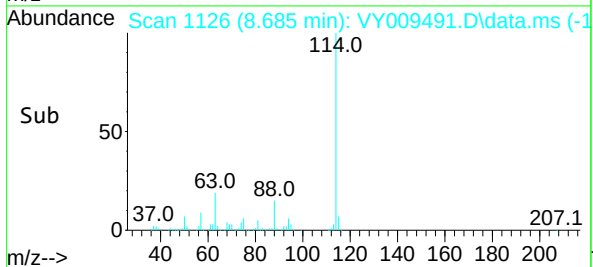
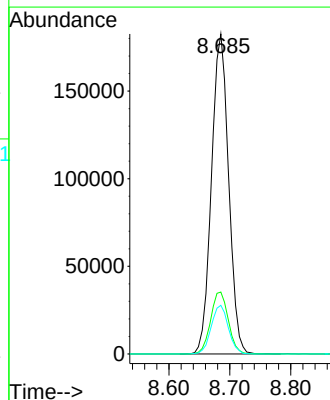
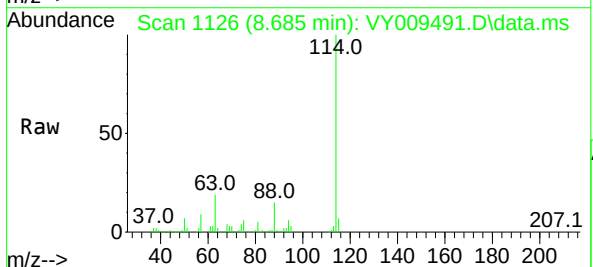
Tgt Ion: 114 Resp: 356701

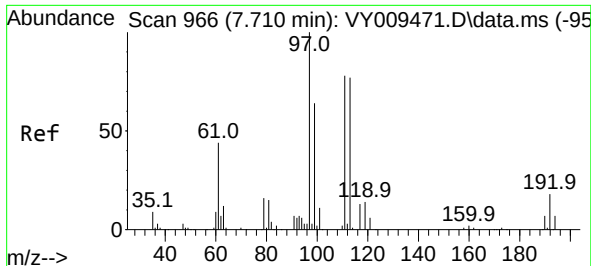
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.2 0.0 31.8

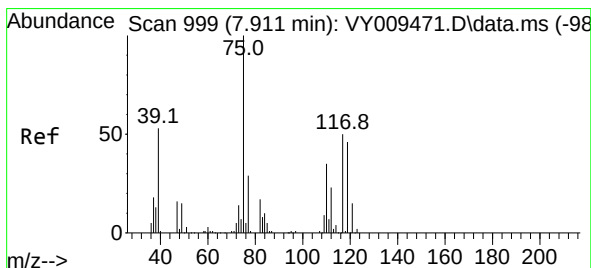
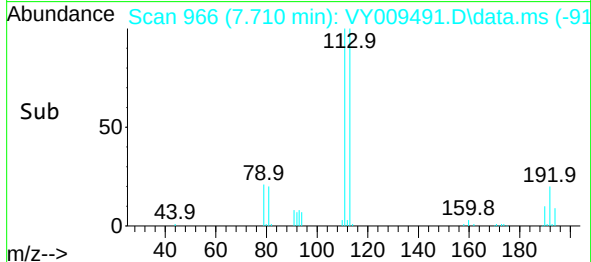
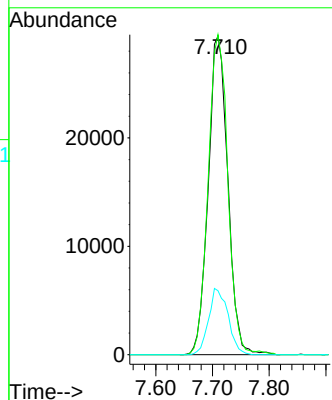
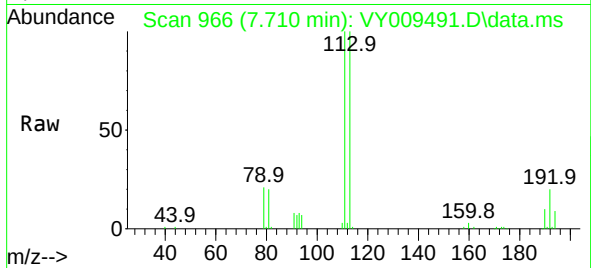




#35
Dibromofluoromethane
Concen: 37.554 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

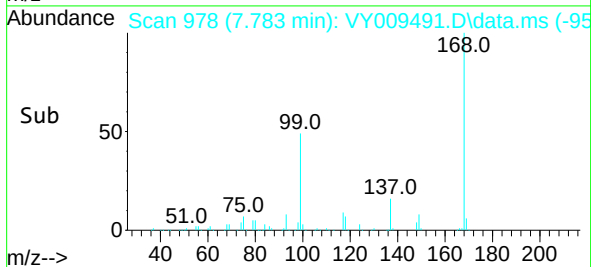
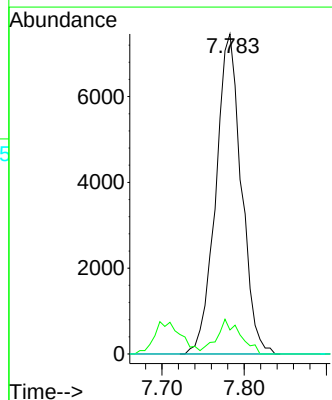
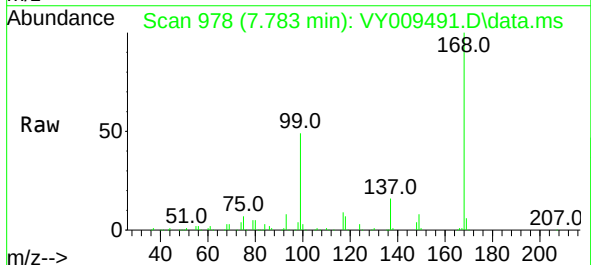
Instrument :
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20220490B-8B

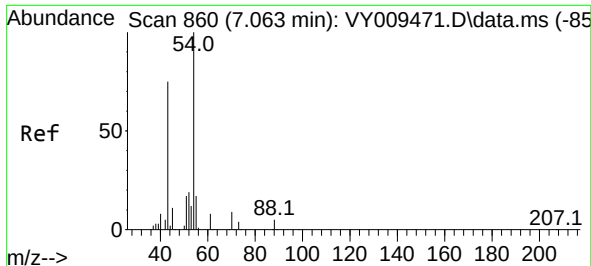
Tgt Ion:113 Resp: 70484
Ion Ratio Lower Upper
113 100
111 101.4 82.6 124.0
192 20.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.280 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

Tgt Ion: 75 Resp: 16134
Ion Ratio Lower Upper
75 100
110 10.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.207 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.085 min

Lab File: VY009491.D

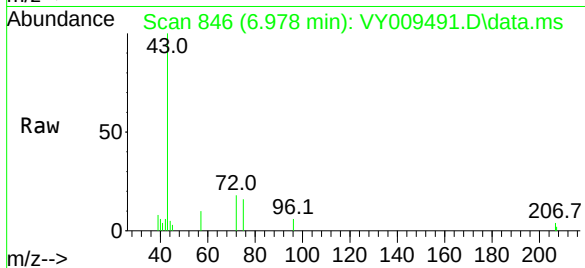
Acq: 08 Jul 2022 18:33

Instrument :

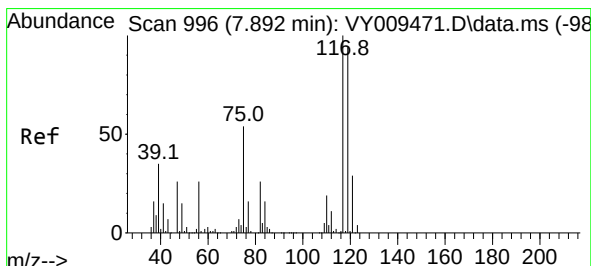
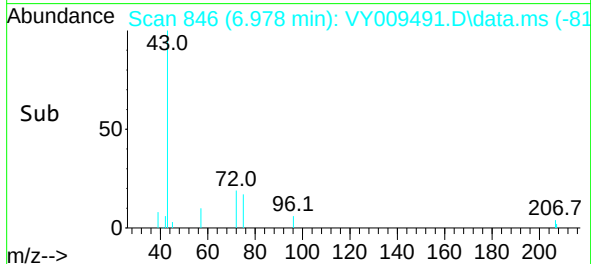
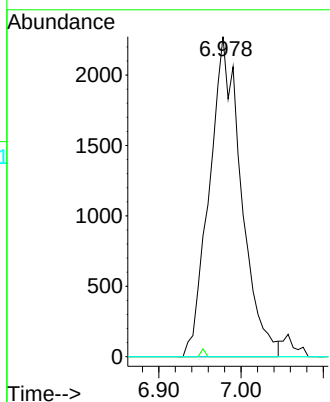
MSVOA_Y

ClientSampleId :

20220490B-8B



Tgt Ion:	43	Resp:	6143
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.287 ug/l

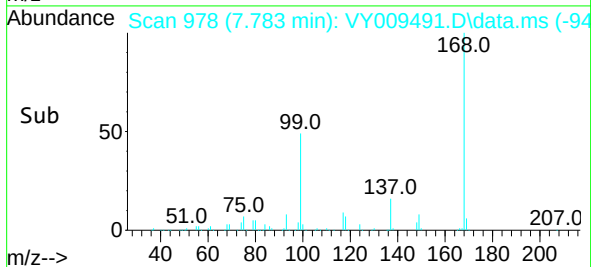
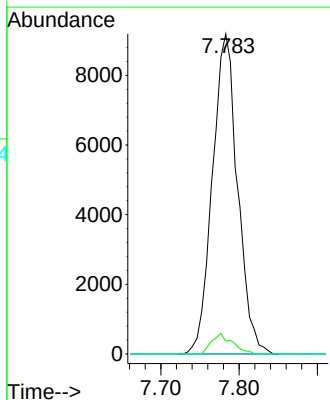
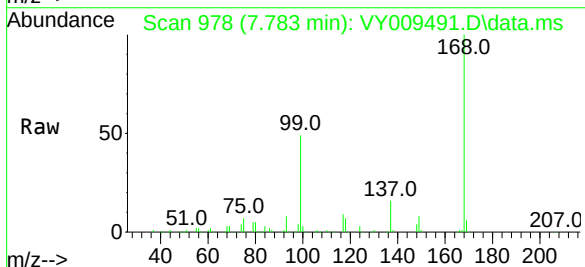
RT: 7.783 min Scan# 978

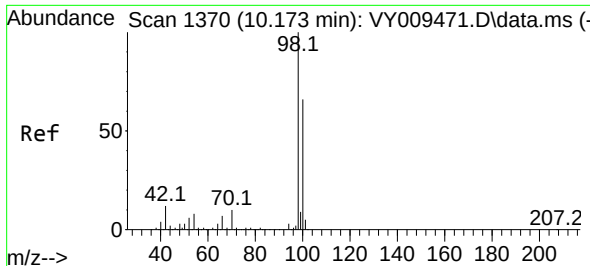
Delta R.T. -0.109 min

Lab File: VY009491.D

Acq: 08 Jul 2022 18:33

Tgt Ion:	117	Resp:	20544
Ion	Ratio	Lower	Upper
117	100		
119	4.0	77.9	116.9#
121	0.0	24.8	37.2#

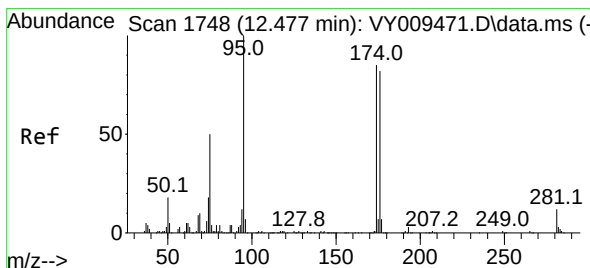
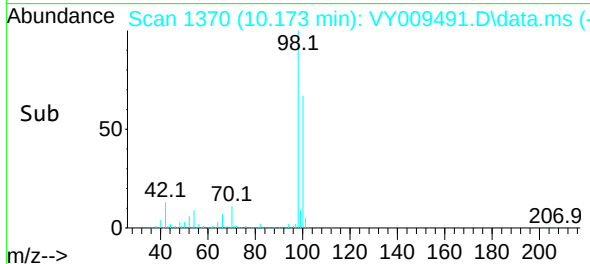
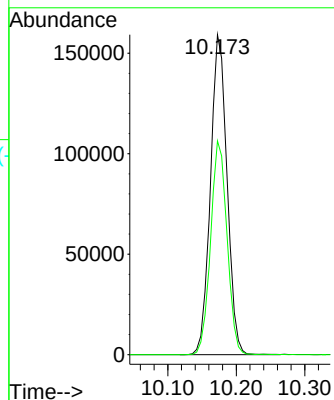
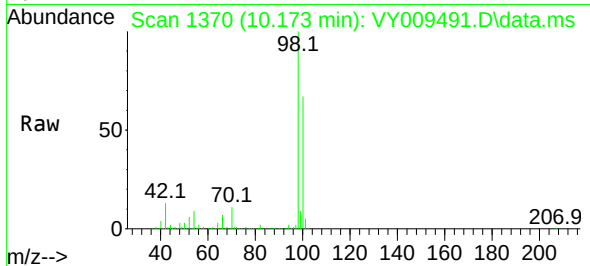




#50
Toluene-d8
Concen: 52.294 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

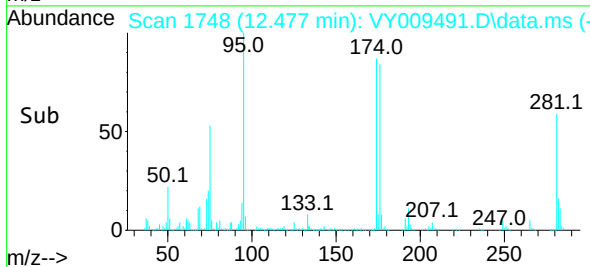
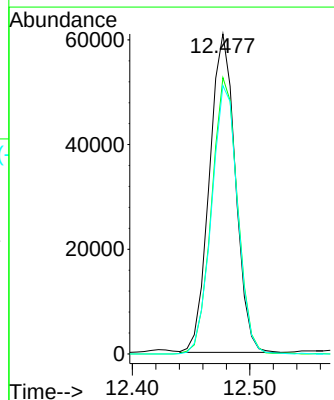
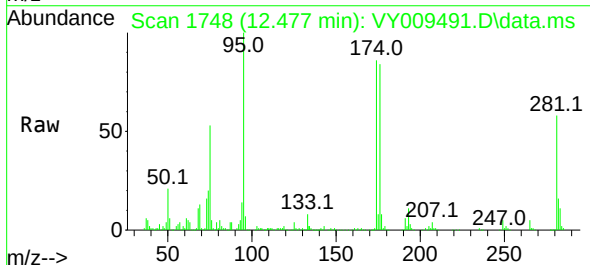
Instrument :
MSVOA_Y
ClientSampleId :
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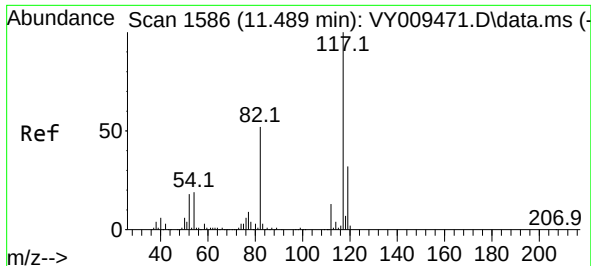
Tgt Ion: 98 Resp: 267180
Ion Ratio Lower Upper
98 100
100 66.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.163 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

Tgt Ion: 95 Resp: 93158
Ion Ratio Lower Upper
95 100
174 86.7 0.0 177.0
176 84.8 0.0 175.8

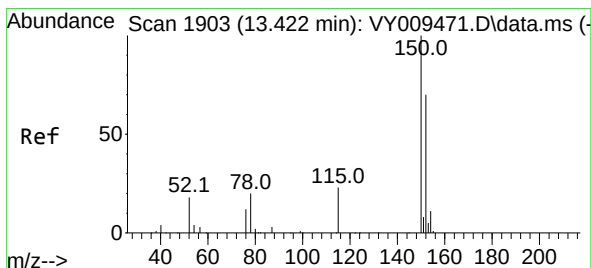
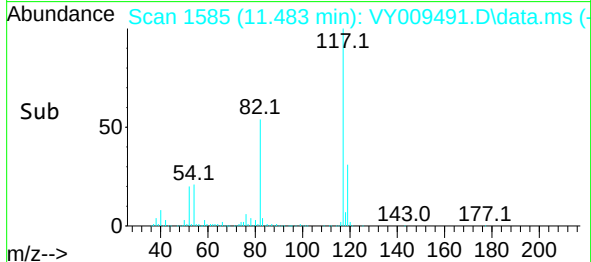
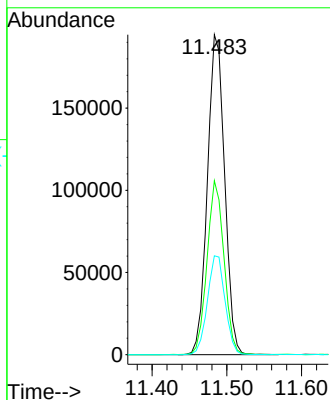
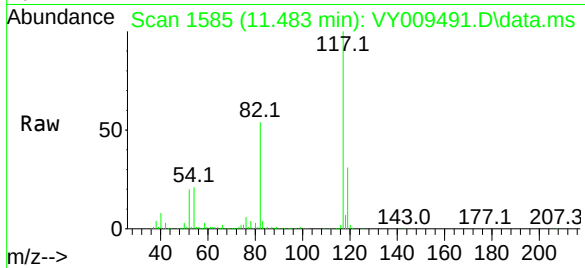




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

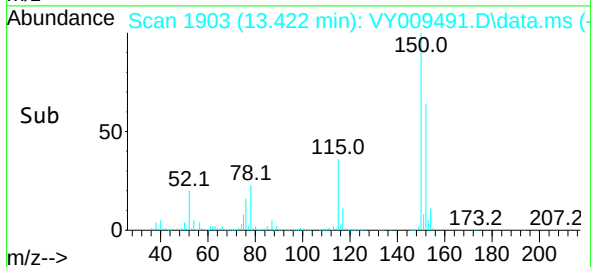
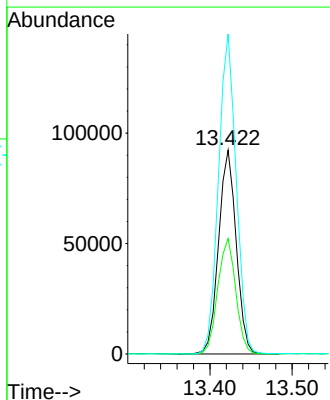
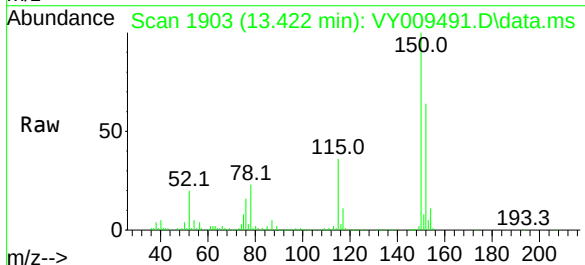
Instrument :
MSVOA_Y
ClientSampleId :
20220490B-8B

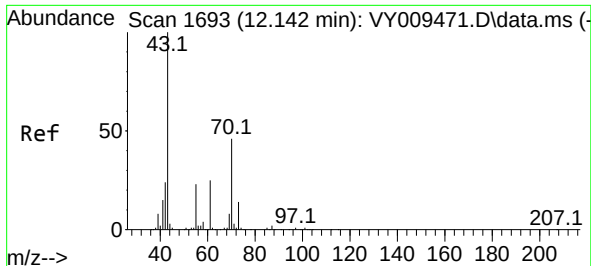
Tgt Ion:117 Resp: 311793
Ion Ratio Lower Upper
117 100
82 54.3 43.0 64.4
119 30.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

Tgt Ion:152 Resp: 137775
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 157.4 0.0 347.6

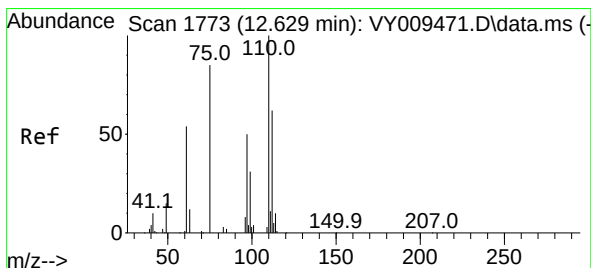
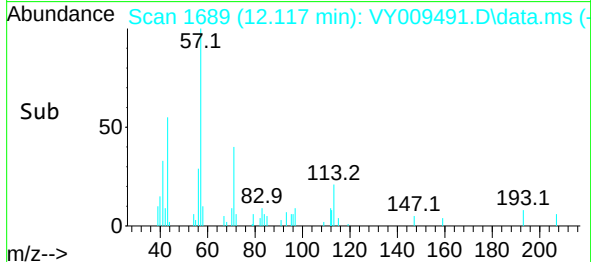
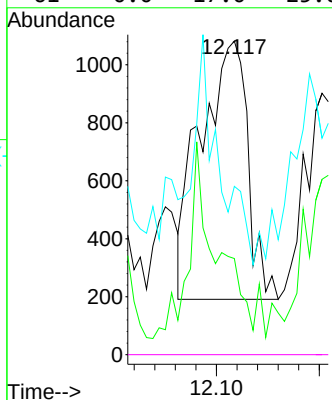
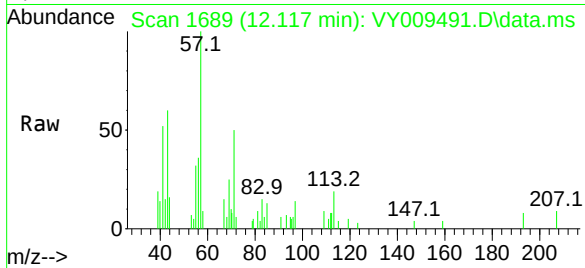




#74
N-amy1 acetate
Concen: 1.067 ug/l
RT: 12.117 min Scan# 1748
Delta R.T. -0.025 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

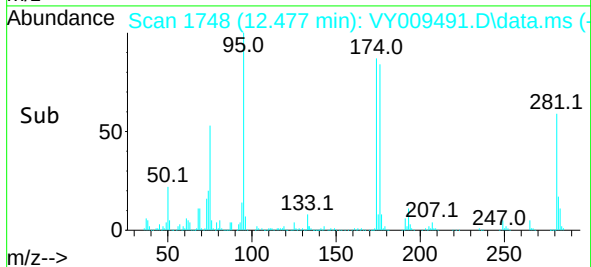
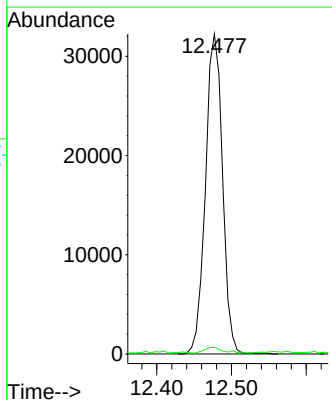
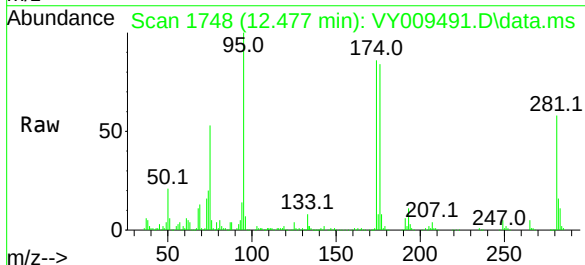
Instrument :
MSVOA_Y
ClientSampleId :
20220490B-8B

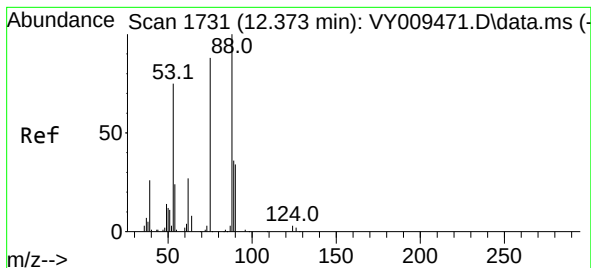
Tgt Ion: 43	Resp: 2861
Ion Ratio	Lower Upper
43 100	
70 0.0	28.7 43.1#
55 0.0	17.3 25.9#
61 0.0	17.0 25.6#



#76
1,2,3-Trichloropropane
Concen: 35.056 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009491.D
Acq: 08 Jul 2022 18:33

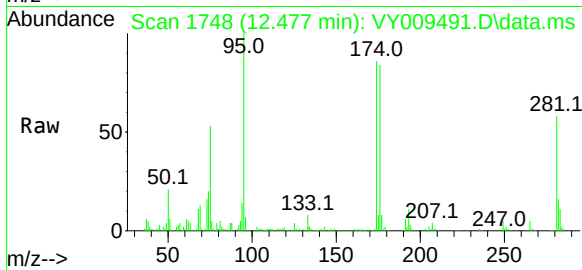
Tgt Ion: 75	Resp: 51127
Ion Ratio	Lower Upper
75 100	
77 1.9	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.746 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009491.D
 Acq: 08 Jul 2022 18:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220490B-8B



Tgt Ion: 75 Resp: 51127
 Ion Ratio Lower Upper
 75 100
 53 0.9 85.3 127.9#
 89 1.1 37.0 55.4#

