

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070822\
 Data File : VY009490.D
 Acq On : 08 Jul 2022 18:10
 Operator : KP/MD
 Sample : N3595-10
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220490A-8A

Quant Time: Jul 11 02:15:54 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)

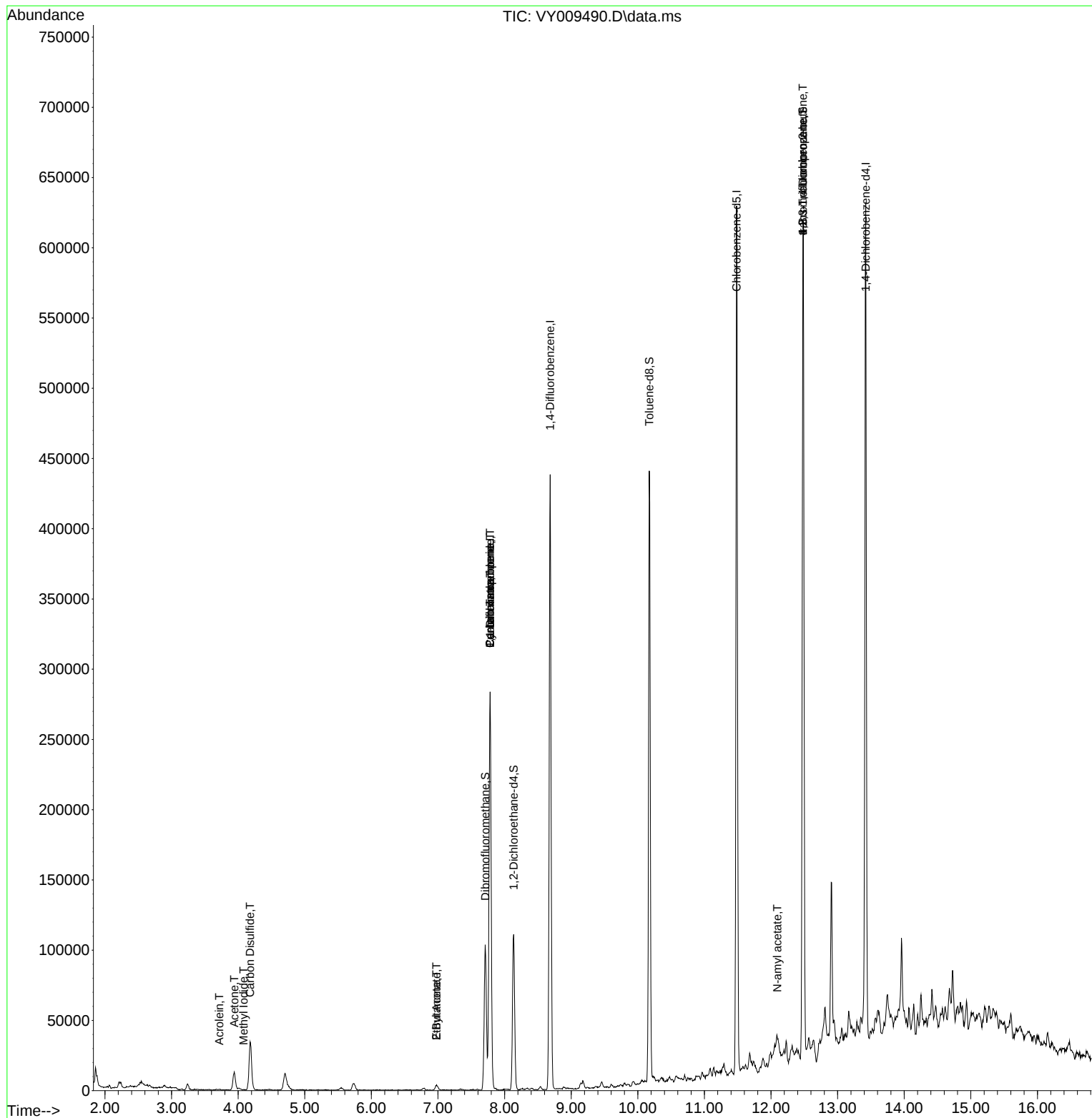
Internal Standards						
1) Pentafluorobenzene	7.783	168	225263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	368790	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	328439	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	149332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84729	53.902	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.800%	
35) Dibromofluoromethane	7.710	113	71496	36.845	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 73.680%	
50) Toluene-d8	10.173	98	286697	54.642	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 109.280%	
62) 4-Bromofluorobenzene	12.477	95	102809	37.534	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 75.060%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	354	4.284	ug/l #	51
11) Tert butyl alcohol	4.960	59	563	Below Cal	#	77
13) Acrolein	3.716	56	471	32.561	ug/l	89
16) Acetone	3.942	43	22234	40.574	ug/l	97
17) Carbon Disulfide	4.180	76	69272	14.733	ug/l	99
20) Methylene Chloride	4.704	84	8353	Below Cal	#	82
23) Vinyl Acetate	6.064	43	58	Below Cal	#	75
25) 2-Butanone	6.978	43	5413	6.106	ug/l #	67
31) Cyclohexane	7.783	56	5012	1.356	ug/l #	4
36) 1,1-Dichloropropene	7.783	75	16792	5.315	ug/l #	51
37) Ethyl Acetate	6.978	43	5413	2.733	ug/l #	72
38) Carbon Tetrachloride	7.783	117	20992	6.213	ug/l #	14
74) N-amyl acetate	12.093	43	3404	1.171	ug/l #	20
76) 1,2,3-Trichloropropane	12.477	75	55680	35.223	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	55680	72.088	ug/l #	9

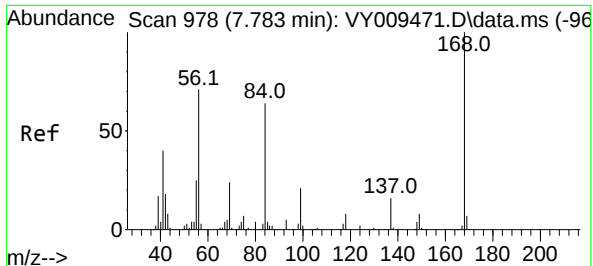
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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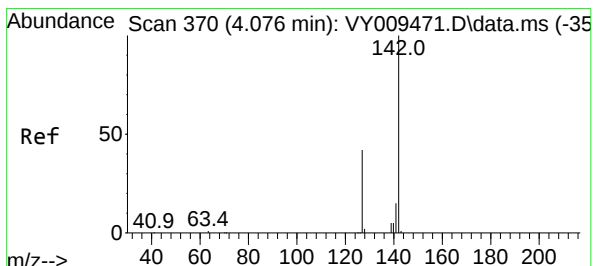
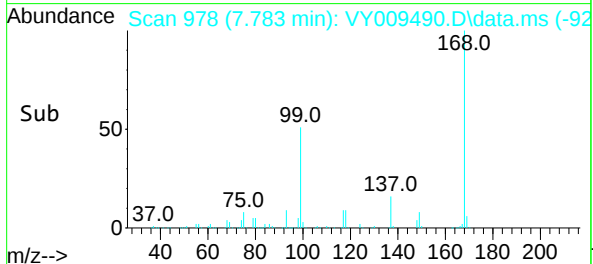
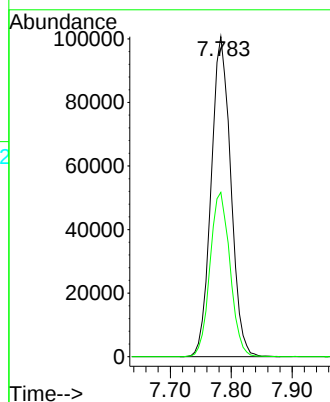
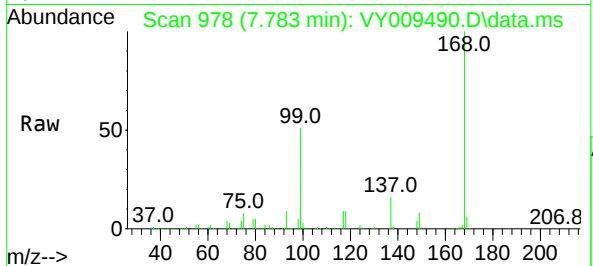




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

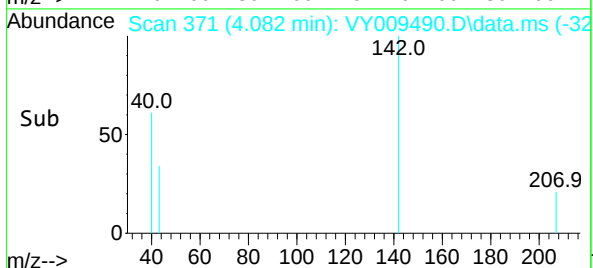
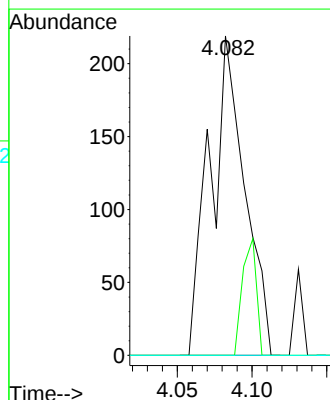
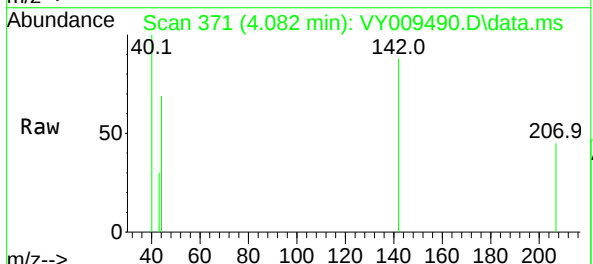
Instrument :
MSVOA_Y
ClientSampleId :
20220490A-8A

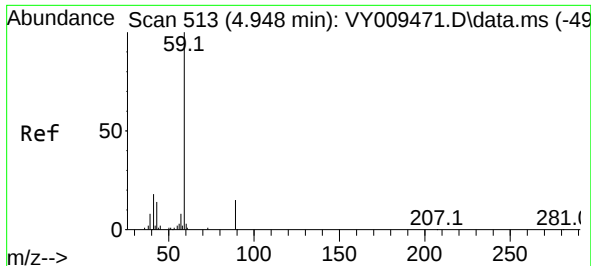
Tgt Ion:168 Resp: 225263
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#10
Methyl Iodide
Concen: 4.284 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.006 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

Tgt Ion:142 Resp: 354
Ion Ratio Lower Upper
142 100
127 14.7 41.5 62.3#
141 0.0 11.9 17.9#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.960 min Scan# 51

Delta R.T. 0.012 min

Lab File: VY009490.D

Acq: 08 Jul 2022 18:10

Instrument :

MSVOA_Y

ClientSampleId :

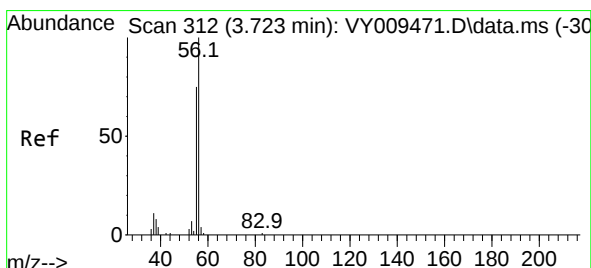
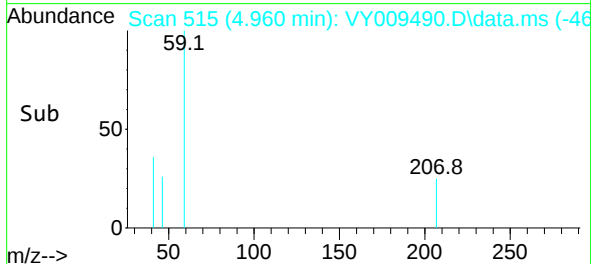
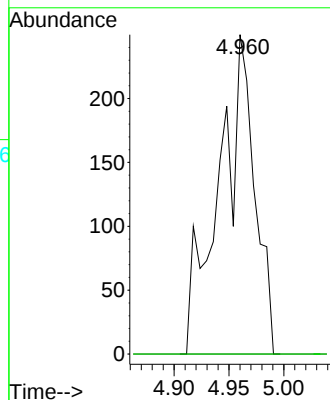
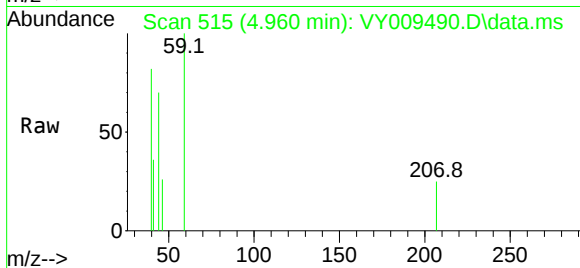
20220490A-8A

Tgt Ion: 59 Resp: 563

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#13

Acrolein

Concen: 32.561 ug/l

RT: 3.716 min Scan# 311

Delta R.T. -0.007 min

Lab File: VY009490.D

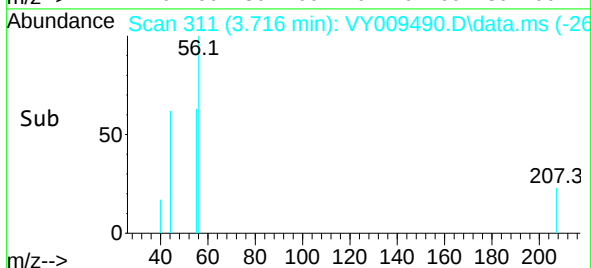
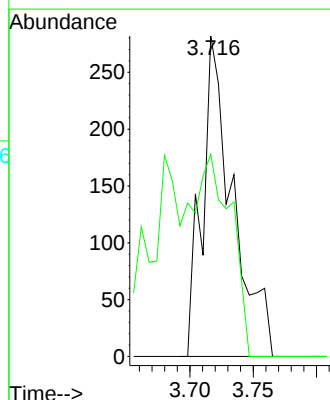
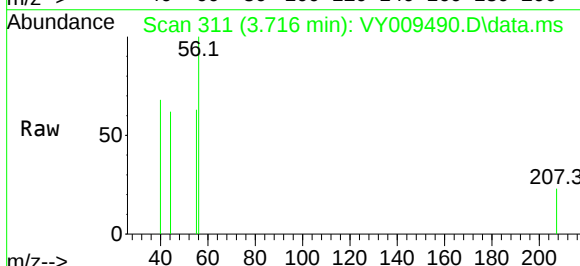
Acq: 08 Jul 2022 18:10

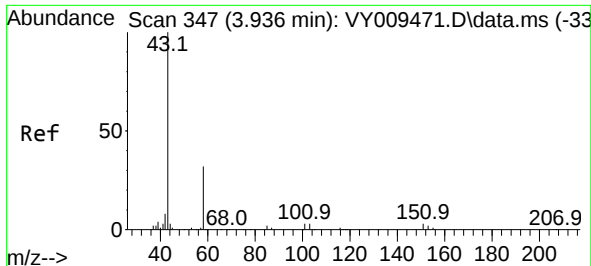
Tgt Ion: 56 Resp: 471

Ion Ratio Lower Upper

56 100

55 62.6 57.6 86.4

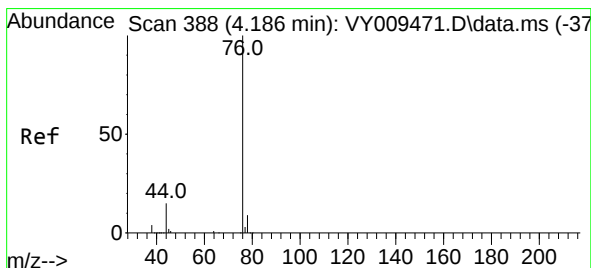
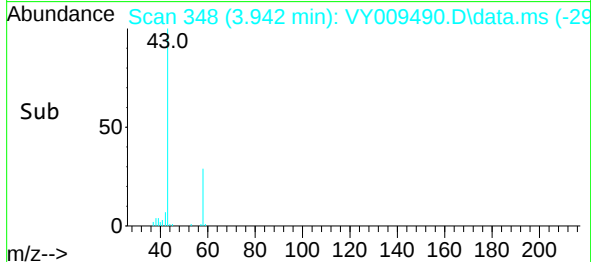
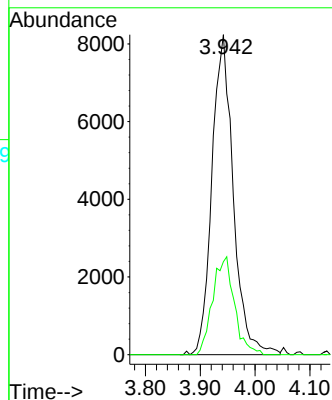
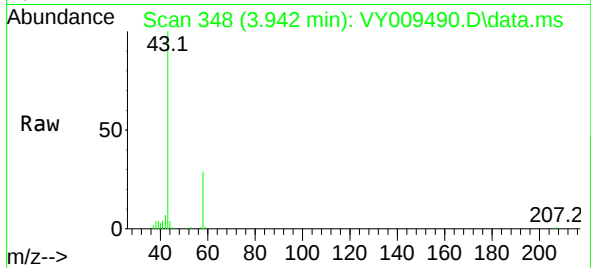




#16
Acetone
Concen: 40.574 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

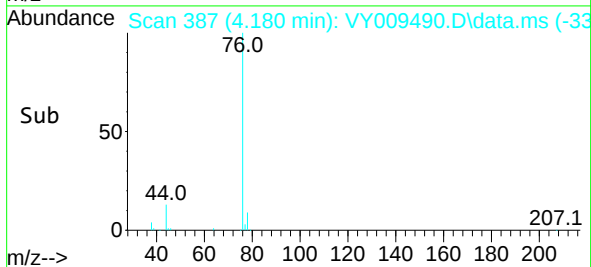
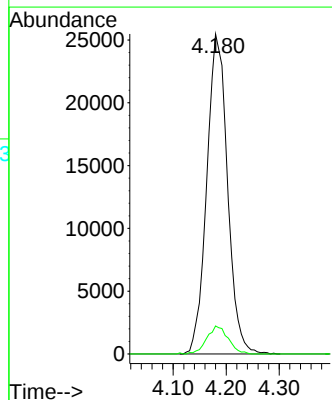
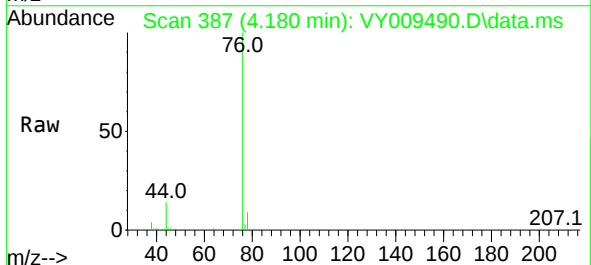
Instrument :
MSVOA_Y
ClientSampleId :
20220490A-8A

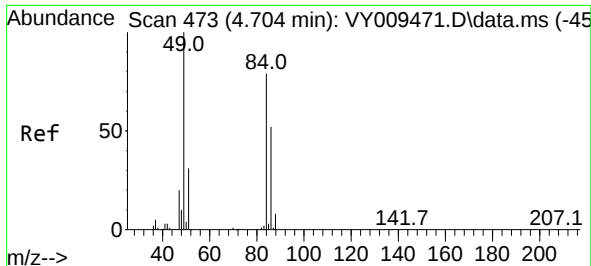
Tgt Ion: 43 Resp: 22234
Ion Ratio Lower Upper
43 100
58 29.1 22.0 33.0



#17
Carbon Disulfide
Concen: 14.733 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.006 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

Tgt Ion: 76 Resp: 69272
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.0

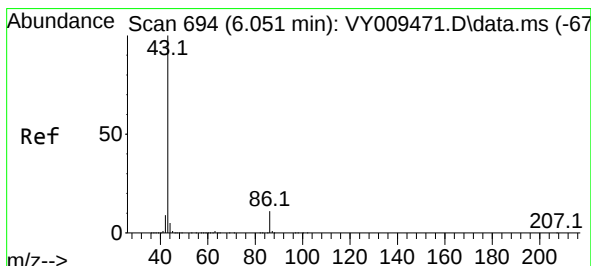
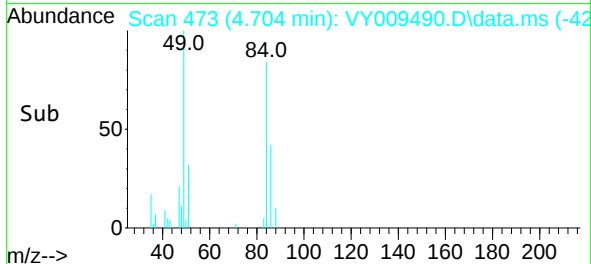
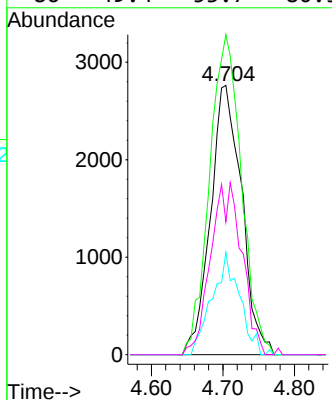
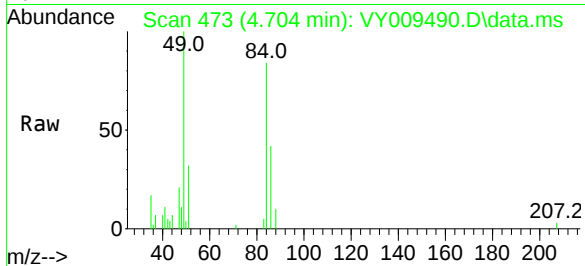




#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

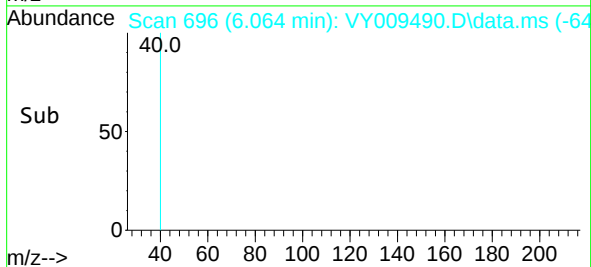
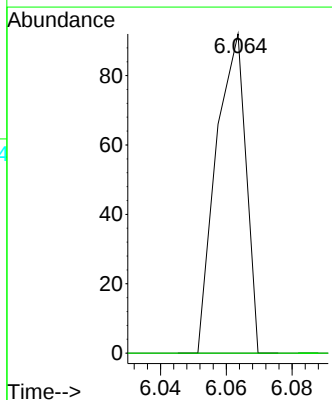
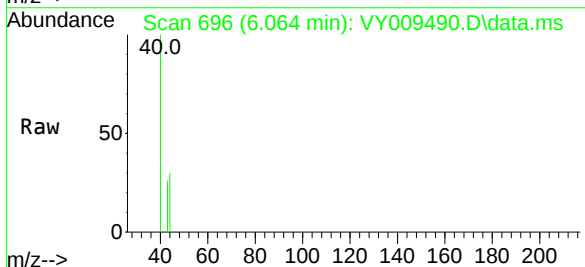
Instrument :
MSVOA_Y
ClientSampleId :
20220490A-8A

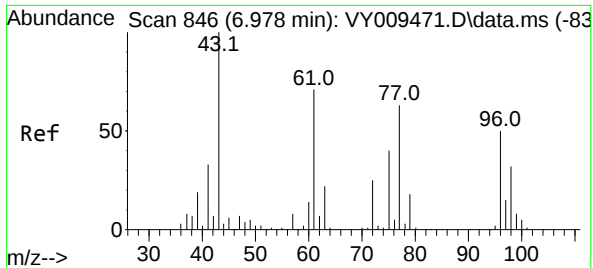
Tgt Ion:	84	Resp:	8353
Ion	Ratio	Lower	Upper
84	100		
49	118.9	114.4	171.6
51	38.0	35.3	52.9
86	49.4	53.7	80.5#



#23
Vinyl Acetate
Concen: Below Cal
RT: 6.064 min Scan# 696
Delta R.T. 0.013 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

Tgt Ion:	43	Resp:	58
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.1	10.7#





#25

2-Butanone

Concen: 6.106 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009490.D

Acq: 08 Jul 2022 18:10

Instrument :

MSVOA_Y

ClientSampleId :

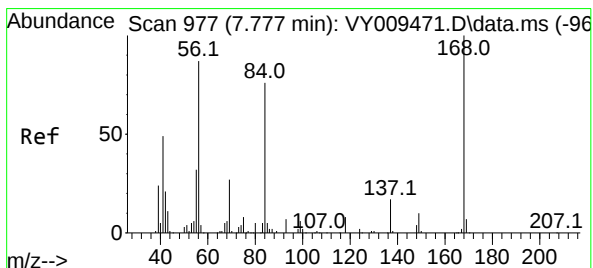
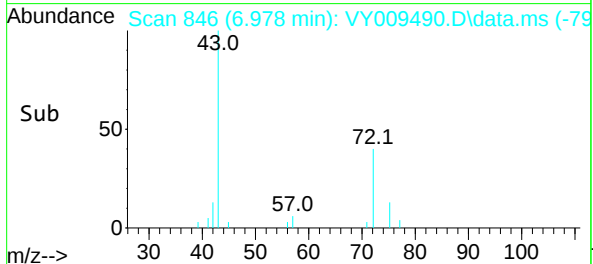
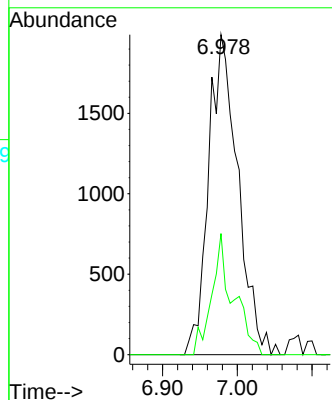
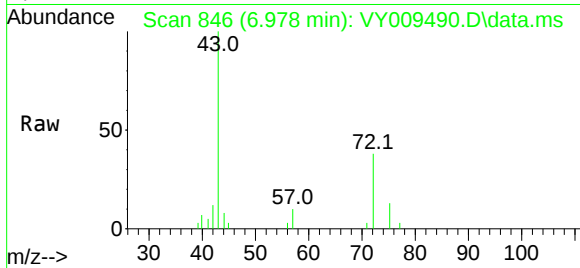
20220490A-8A

Tgt Ion: 43 Resp: 5413

Ion Ratio Lower Upper

43 100

72 37.9 17.7 26.5#



#31

Cyclohexane

Concen: 1.356 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY009490.D

Acq: 08 Jul 2022 18:10

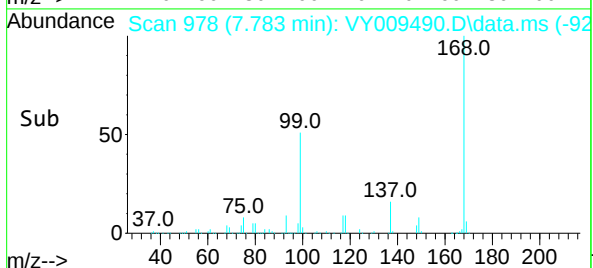
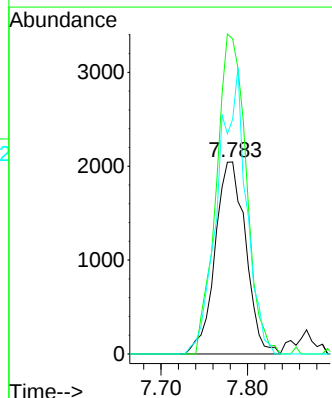
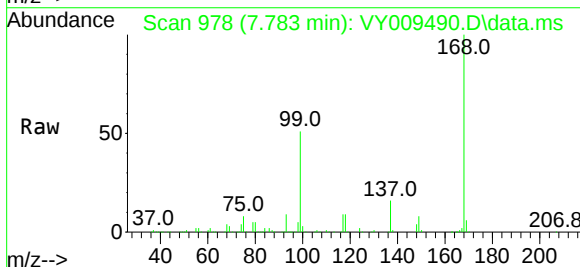
Tgt Ion: 56 Resp: 5012

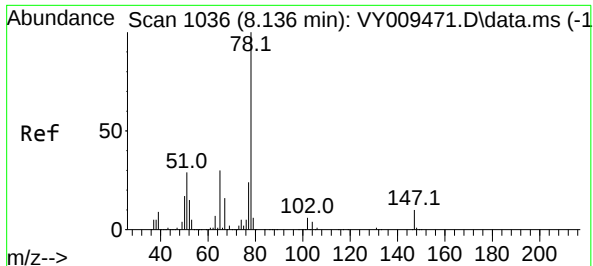
Ion Ratio Lower Upper

56 100

69 164.0 26.7 40.1#

84 122.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 53.902 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009490.D

Acq: 08 Jul 2022 18:10

Instrument :

MSVOA_Y

ClientSampleId :

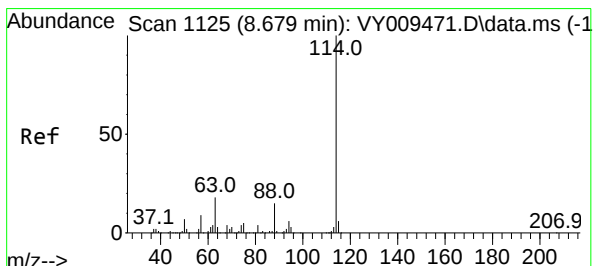
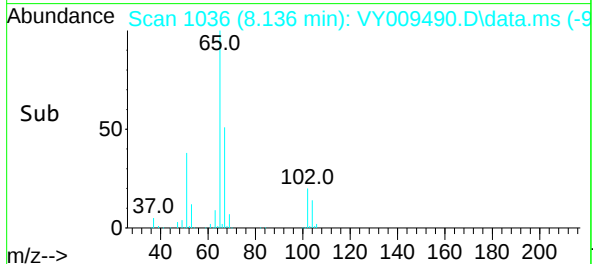
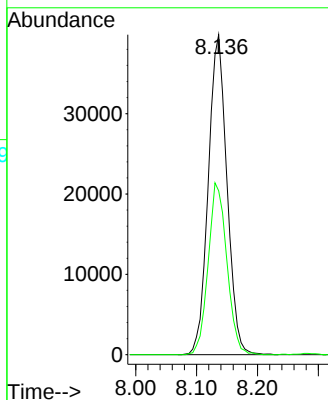
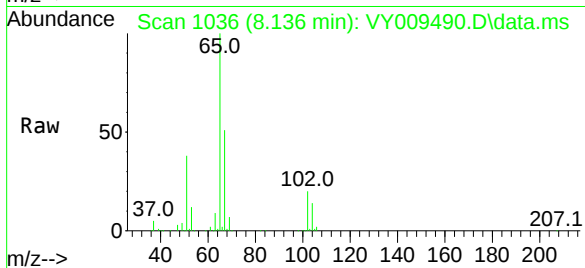
20220490A-8A

Tgt Ion: 65 Resp: 84729

Ion Ratio Lower Upper

65 100

67 53.8 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: VY009490.D

Acq: 08 Jul 2022 18:10

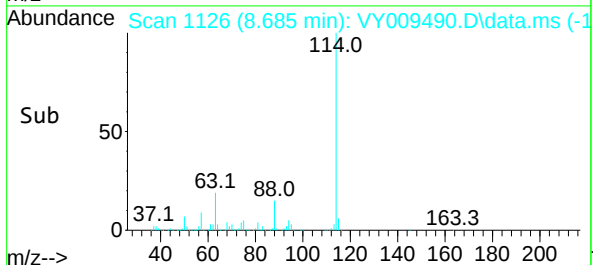
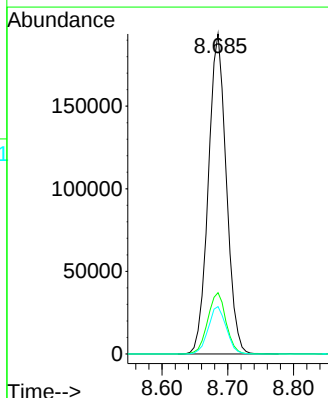
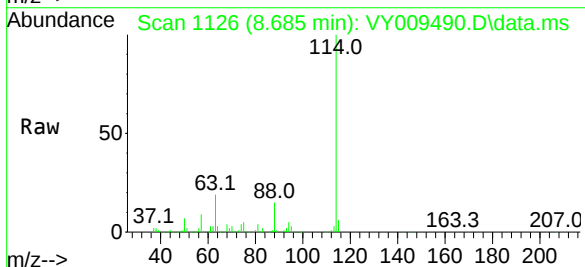
Tgt Ion: 114 Resp: 368790

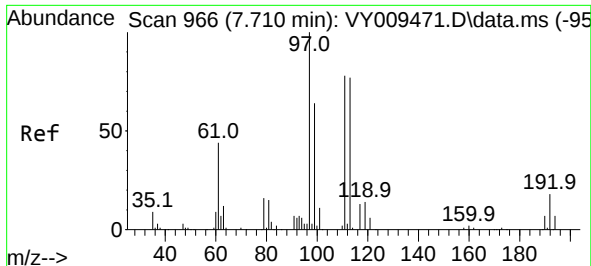
Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 14.8 0.0 31.8

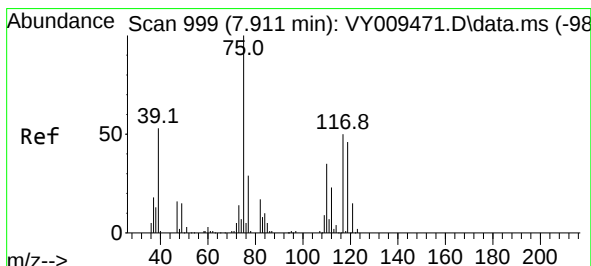
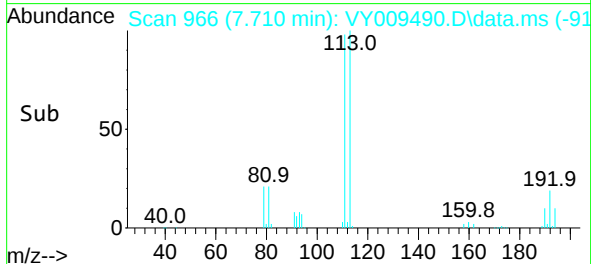
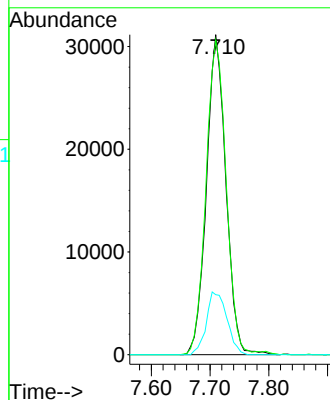
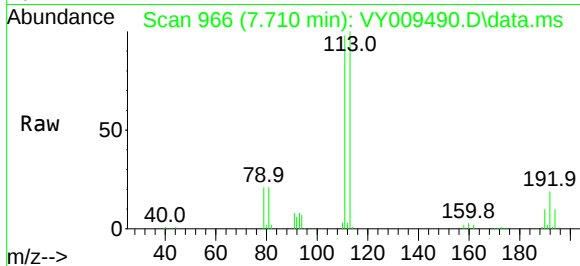




#35
Dibromofluoromethane
Concen: 36.845 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

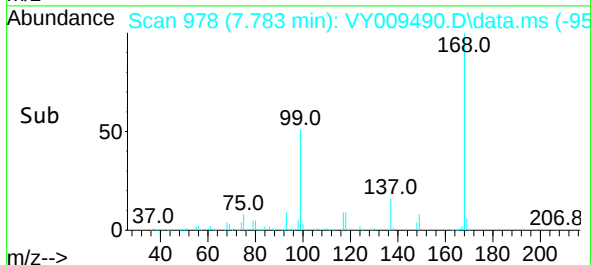
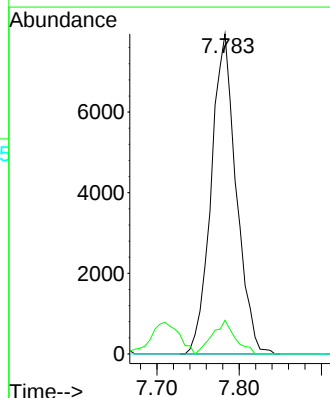
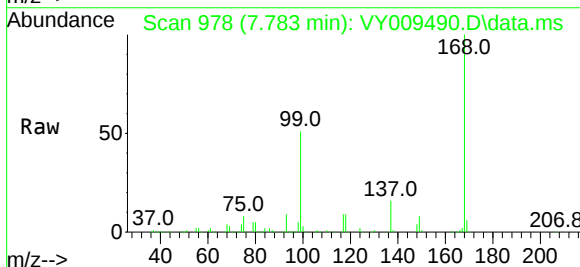
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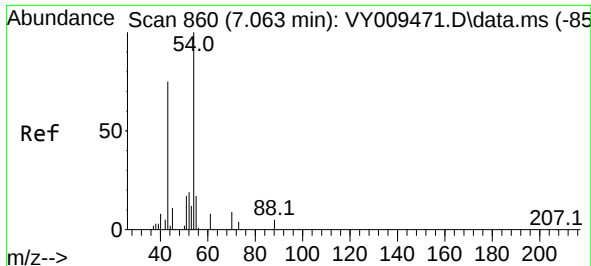
Tgt Ion:113 Resp: 71496
Ion Ratio Lower Upper
113 100
111 101.9 82.6 124.0
192 20.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.315 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

Tgt Ion: 75 Resp: 16792
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.733 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.085 min

Lab File: VY009490.D

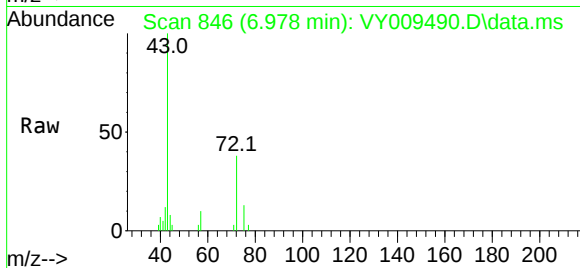
Acq: 08 Jul 2022 18:10

Instrument :

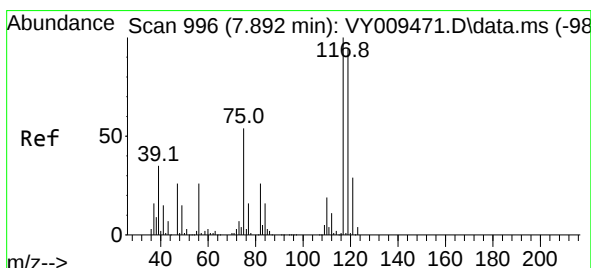
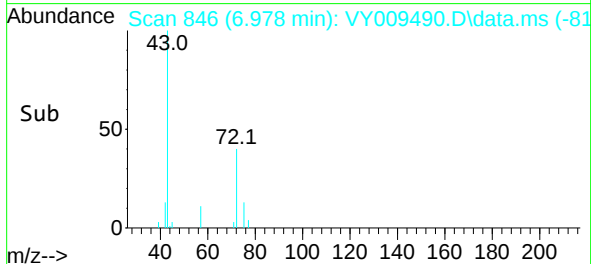
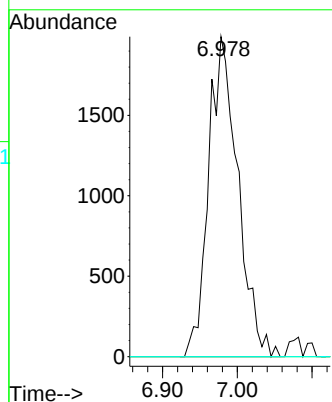
MSVOA_Y

ClientSampleId :

20220490A-8A



Tgt Ion:	43	Resp:	5413
Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.213 ug/l

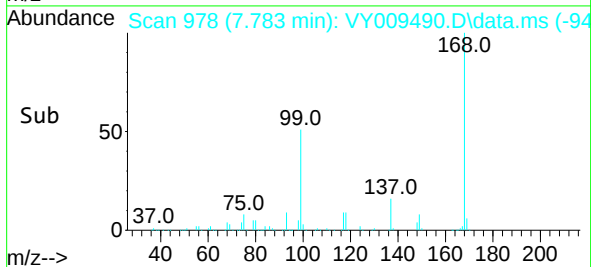
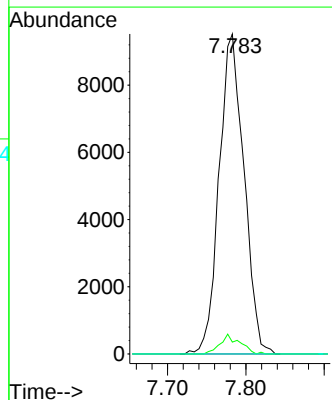
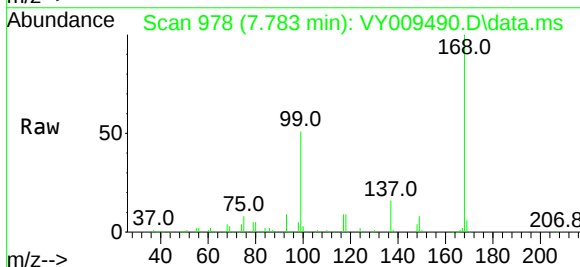
RT: 7.783 min Scan# 978

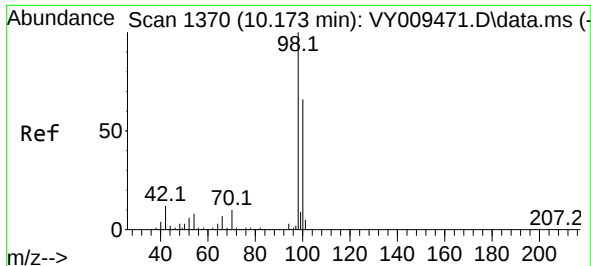
Delta R.T. -0.109 min

Lab File: VY009490.D

Acq: 08 Jul 2022 18:10

Tgt Ion:	117	Resp:	20992
Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.9	116.9#
121	0.0	24.8	37.2#

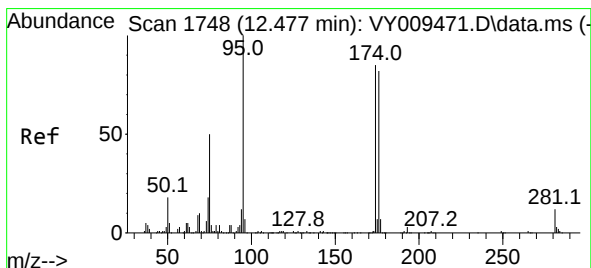
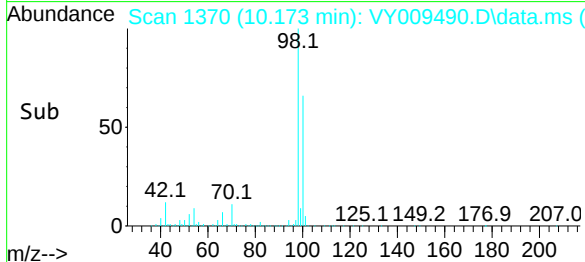
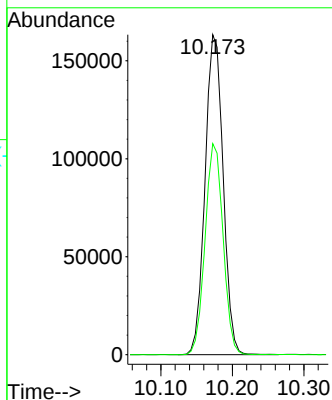
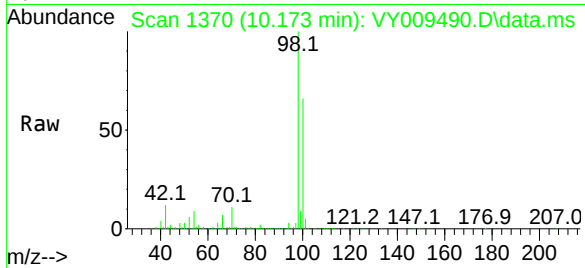




#50
Toluene-d8
Concen: 54.642 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

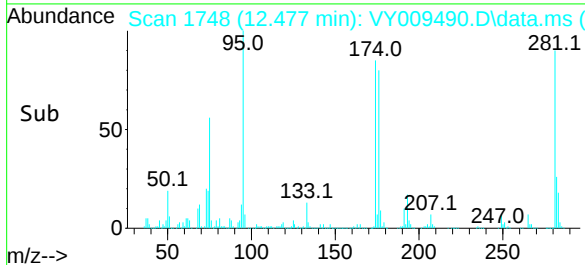
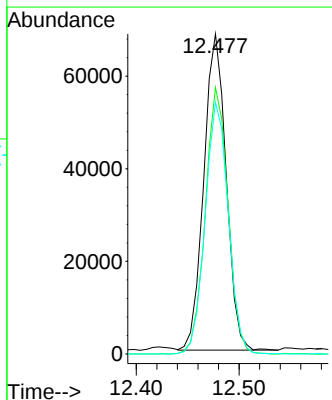
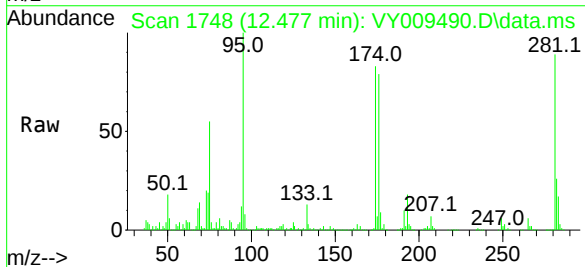
Instrument :
MSVOA_Y
ClientSampleId :
20220490A-8A

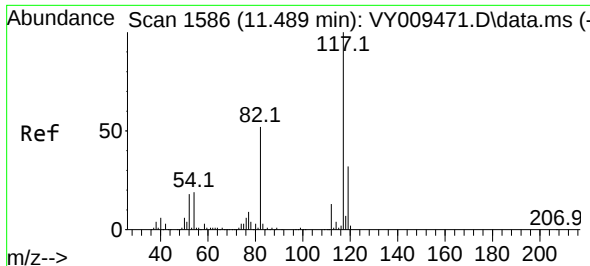
Tgt Ion: 98 Resp: 286697
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 37.534 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

Tgt Ion: 95 Resp: 102809
Ion Ratio Lower Upper
95 100
174 85.6 0.0 177.0
176 82.4 0.0 175.8

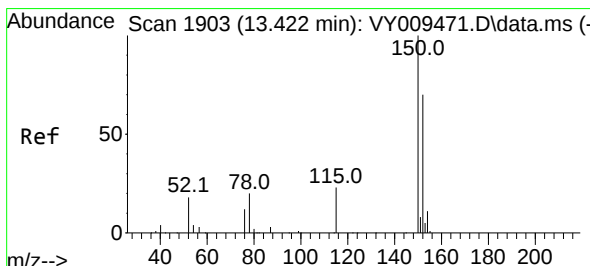
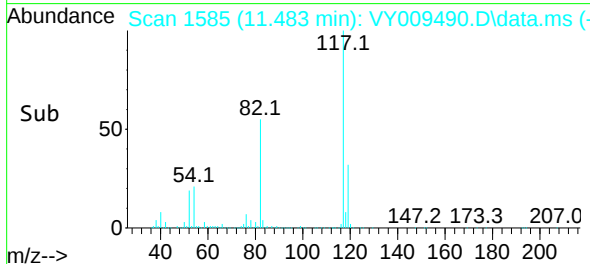
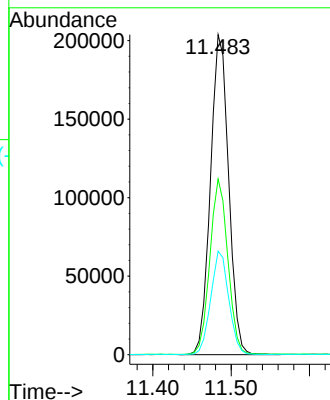
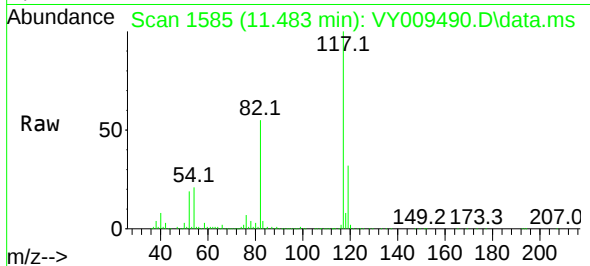




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

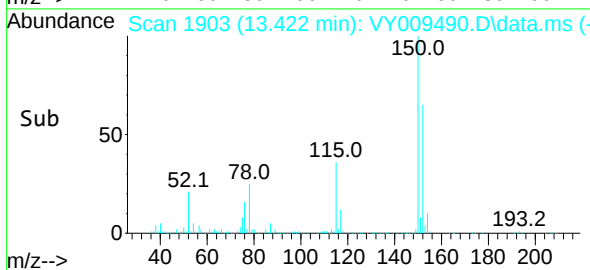
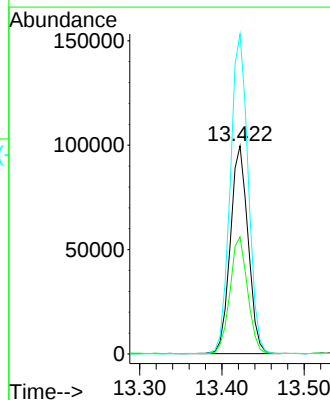
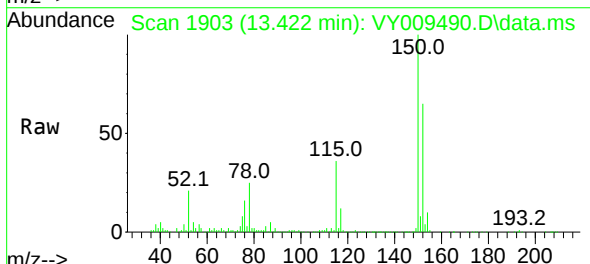
Instrument :
MSVOA_Y
ClientSampleId :
20220490A-8A

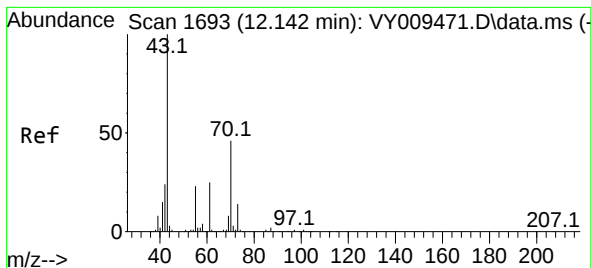
Tgt Ion:117 Resp: 328439
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009490.D
Acq: 08 Jul 2022 18:10

Tgt Ion:152 Resp: 149332
Ion Ratio Lower Upper
152 100
115 56.0 28.2 84.7
150 155.7 0.0 347.6





#74

N-amy1 acetate

Concen: 1.171 ug/l

RT: 12.093 min Scan# 1

Delta R.T. -0.049 min

Lab File: VY009490.D

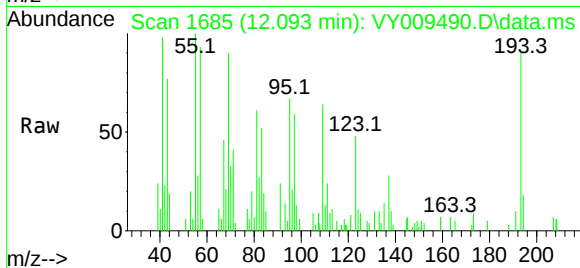
Acq: 08 Jul 2022 18:10

Instrument :

MSVOA_Y

ClientSampleId :

20220490A-8A



Tgt Ion: 43 Resp: 3404

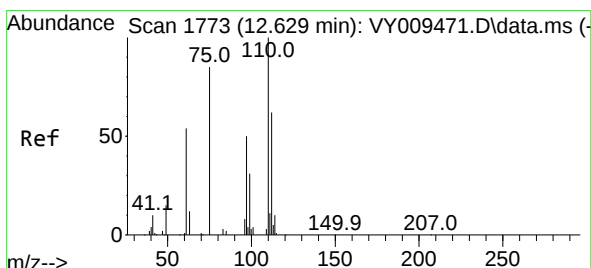
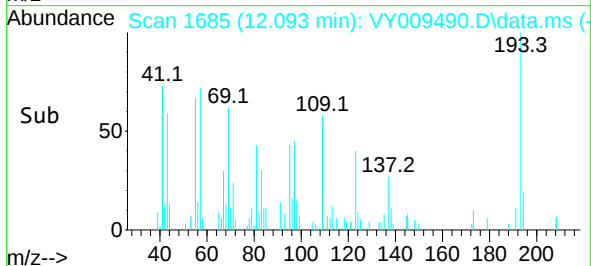
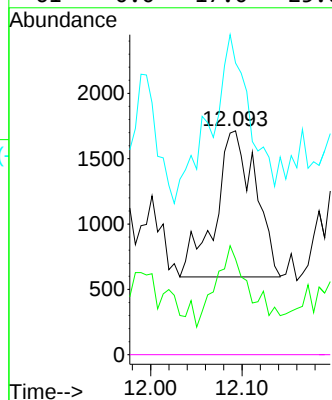
Ion Ratio Lower Upper

43 100

70 47.1 28.7 43.1#

55 123.1 17.3 25.9#

61 0.0 17.0 25.6#



#76

1,2,3-Trichloropropane

Concen: 35.223 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009490.D

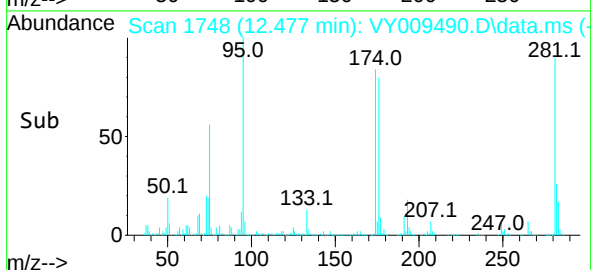
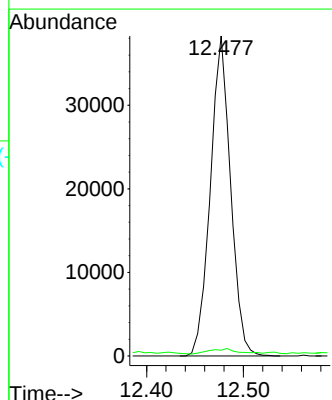
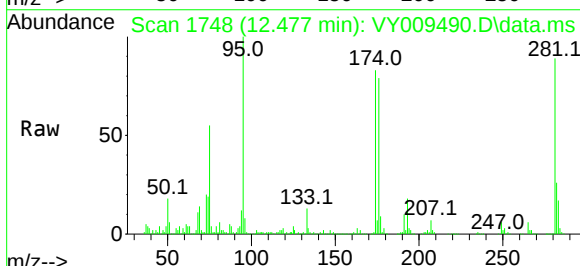
Acq: 08 Jul 2022 18:10

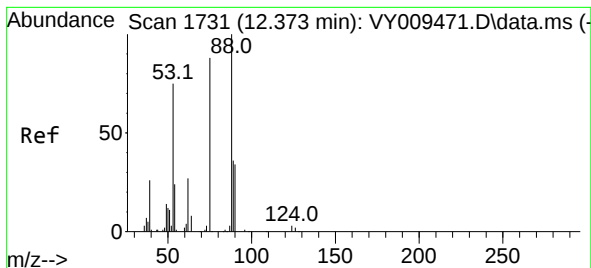
Tgt Ion: 75 Resp: 55680

Ion Ratio Lower Upper

75 100

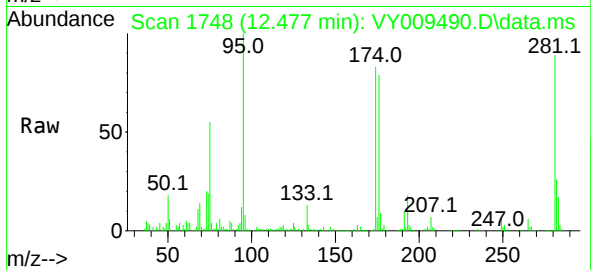
77 2.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.088 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009490.D
 Acq: 08 Jul 2022 18:10

Instrument :
 MSVOA_Y
 ClientSampleId :
 20220490A-8A



Tgt Ion: 75 Resp: 55680
 Ion Ratio Lower Upper
 75 100
 53 0.9 85.3 127.9#
 89 2.2 37.0 55.4#

