

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092022\
 Data File : VY010588.D
 Acq On : 20 Sep 2022 20:17
 Operator : KP/MD
 Sample : N4697-19
 Misc : 5.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 01:22:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	175750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	303703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	282494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	122607	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	87786	52.222	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.440%	
35) Dibromofluoromethane	7.710	113	93971	48.483	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.960%	
50) Toluene-d8	10.179	98	360339	50.285	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.560%	
62) 4-Bromofluorobenzene	12.477	95	115629	43.123	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.240%	

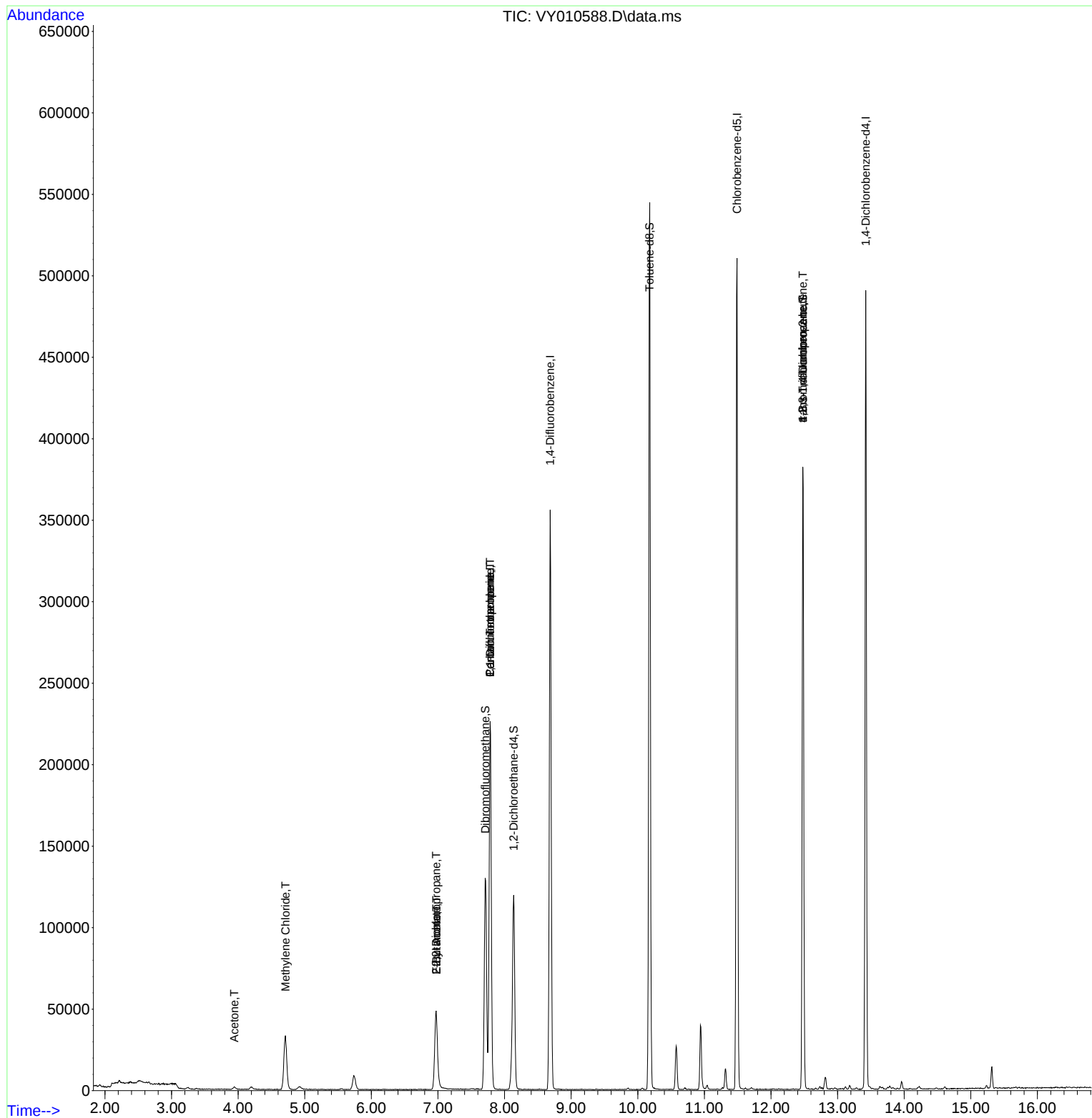
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	92	Below Cal	#	43
3) Chloromethane	2.107	50	474	Below Cal	#	79
4) Vinyl Chloride	2.351	62	21	Below Cal	#	1
5) Bromomethane	2.656	94	244	Below Cal		99
11) Tert butyl alcohol	4.918	59	1357	Below Cal	#	77
16) Acetone	3.942	43	2712	7.911	ug/l #	87
17) Carbon Disulfide	4.192	76	47	Below Cal	#	75
18) Methyl Acetate	4.491	43	218	Below Cal	#	56
20) Methylene Chloride	4.710	84	25602	2.847	ug/l #	79
25) 2-Butanone	6.978	43	2553	4.761	ug/l #	88
26) 2,2-Dichloropropane	6.972	77	3517	1.380	ug/l #	55
31) Cyclohexane	7.783	56	3414	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	13663	6.327	ug/l #	50
37) Ethyl Acetate	6.978	43	2553	2.047	ug/l #	1
38) Carbon Tetrachloride	7.783	117	17488	7.043	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	59137	50.536	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59137	112.363	ug/l #	7

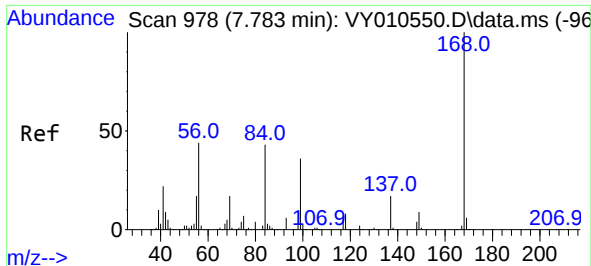
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 20 01:02:44 2022
Response via : Initial Calibration

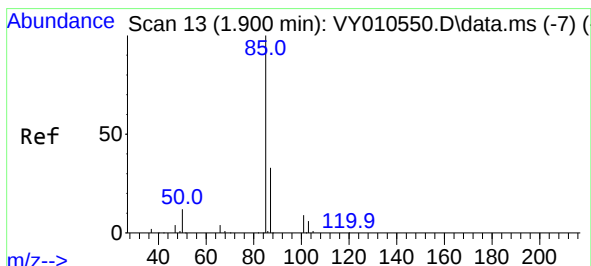
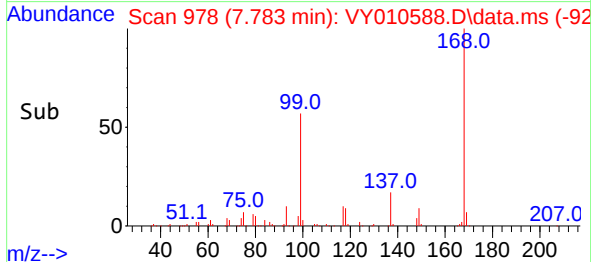
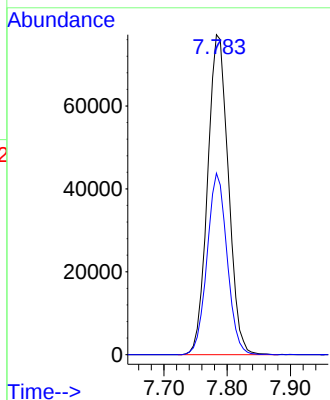
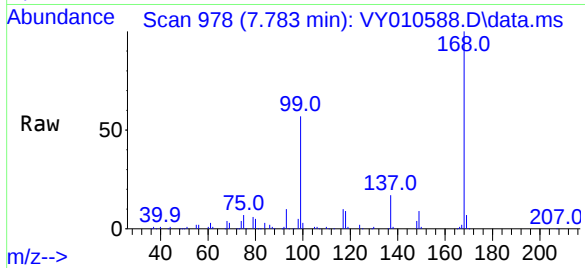




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

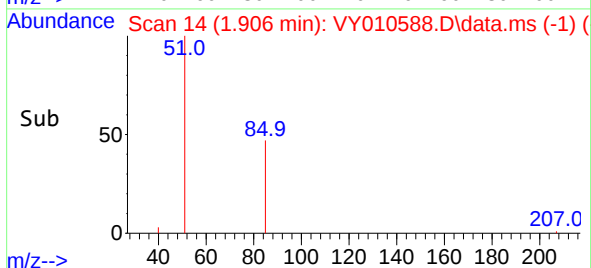
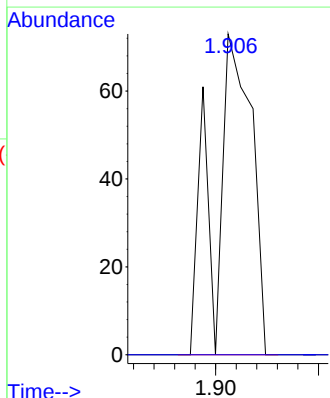
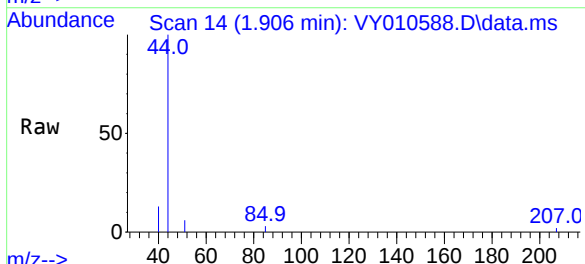
Instrument :
MSVOA_Y
ClientSampleId :

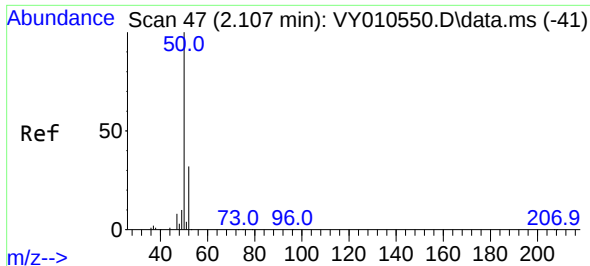
Tgt Ion:168 Resp: 175750
Ion Ratio Lower Upper
168 100
99 56.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

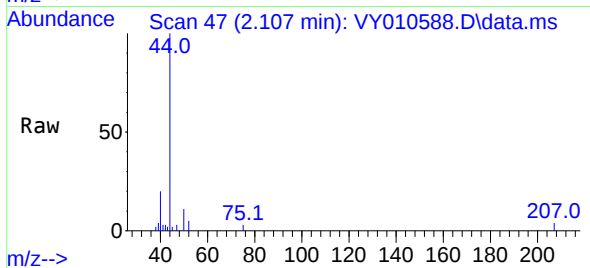
Tgt Ion: 85 Resp: 92
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



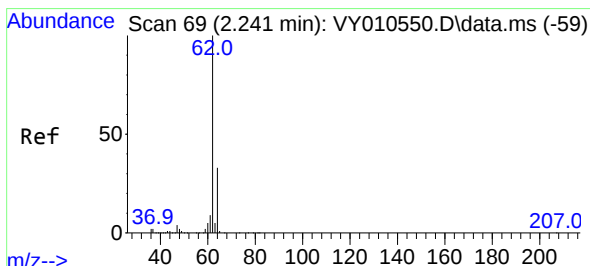
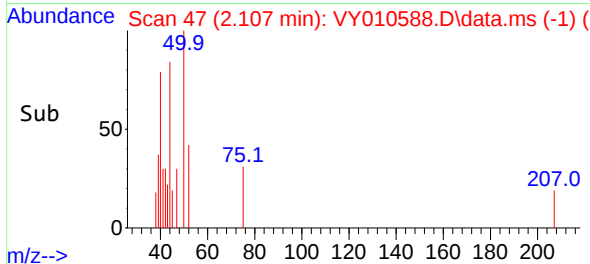
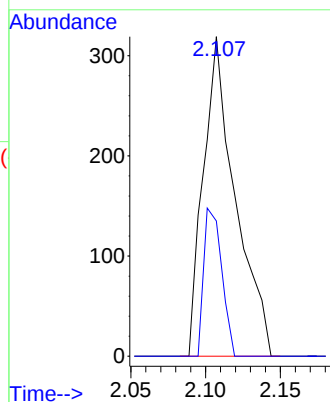


#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

Instrument :
MSVOA_Y
ClientSampleId :

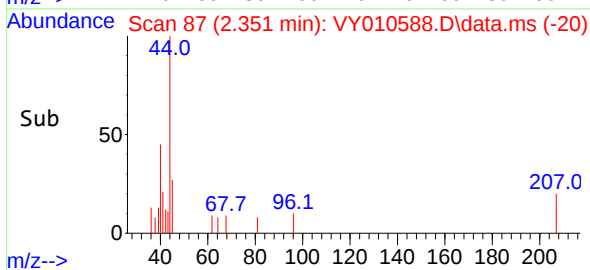
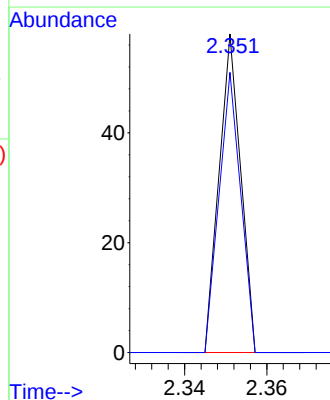
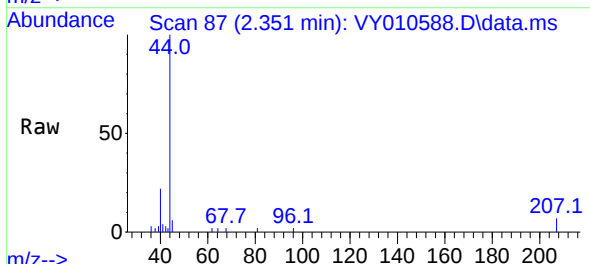


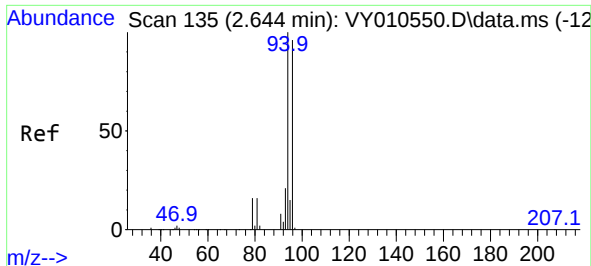
Tgt Ion: 50 Resp: 474
Ion Ratio Lower Upper
50 100
52 42.3 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.351 min Scan# 87
Delta R.T. 0.110 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

Tgt Ion: 62 Resp: 21
Ion Ratio Lower Upper
62 100
64 87.9 25.0 37.6#

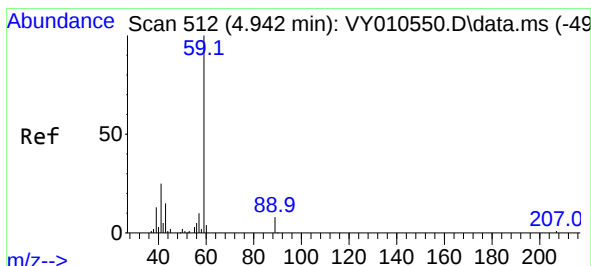
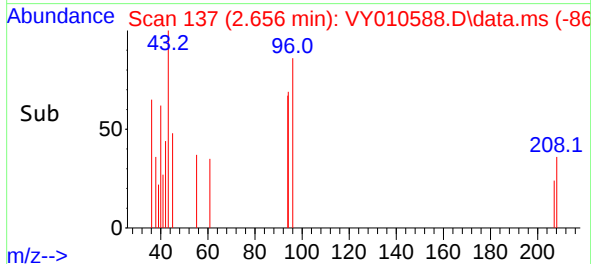
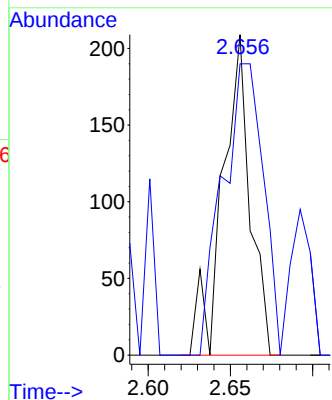
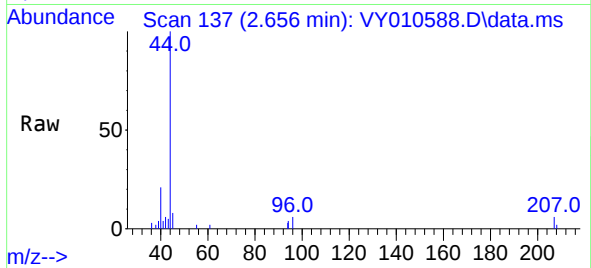




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

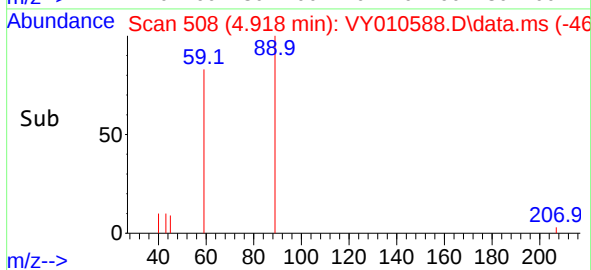
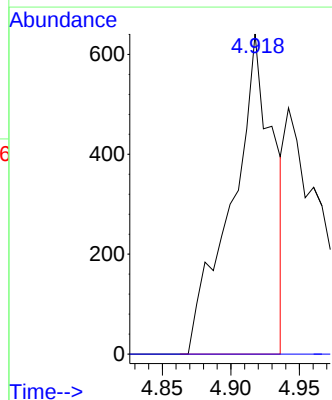
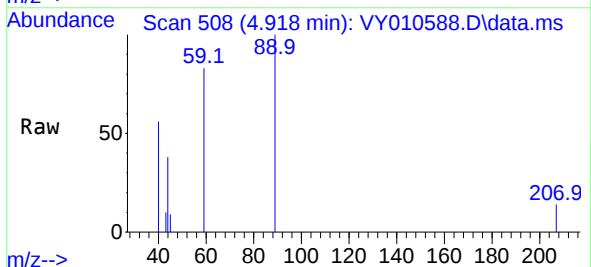
Instrument :
MSVOA_Y
ClientSampleId :

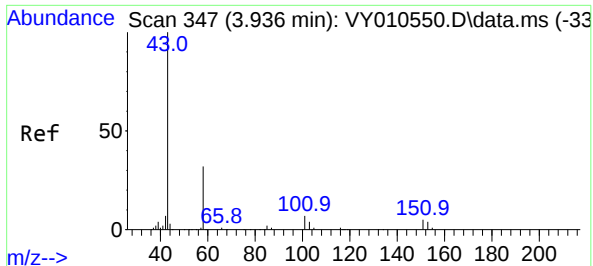
Tgt Ion: 94 Resp: 244
Ion Ratio Lower Upper
94 100
96 90.9 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.024 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

Tgt Ion: 59 Resp: 1357
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

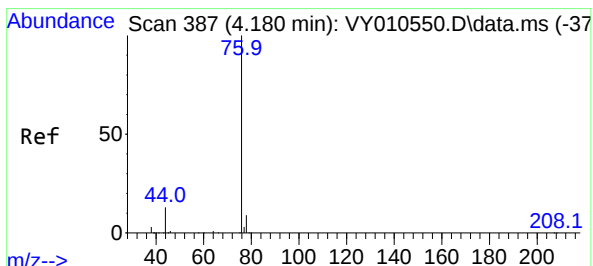
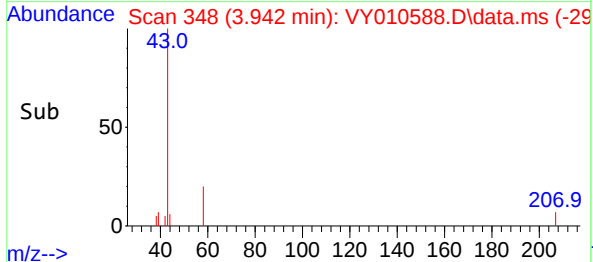
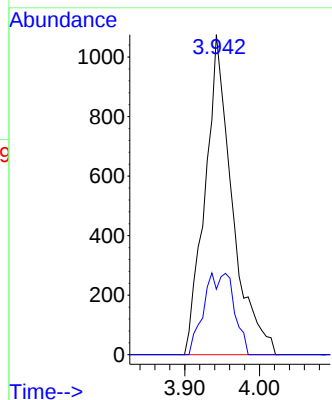
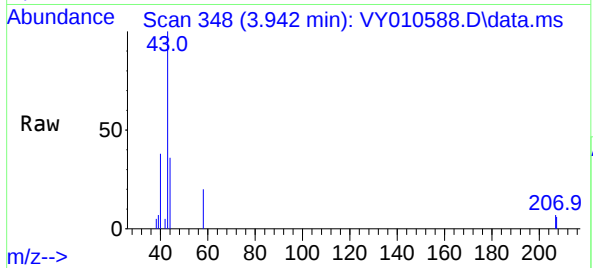




#16
Acetone
Concen: 7.911 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

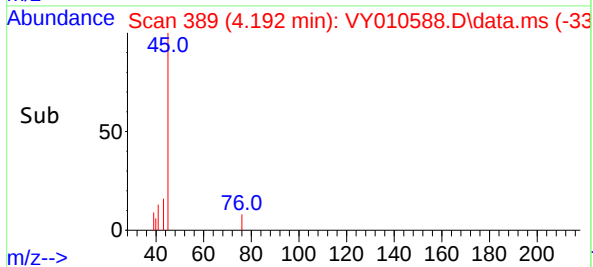
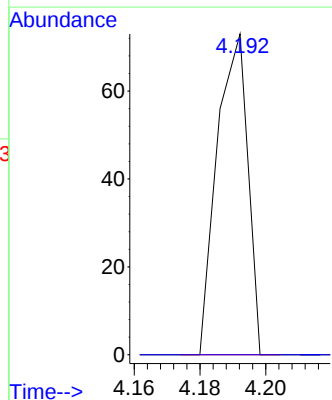
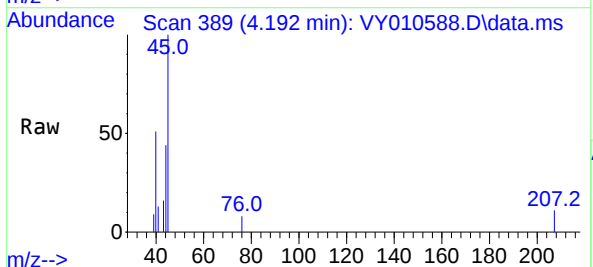
Instrument :
MSVOA_Y
ClientSampleId :

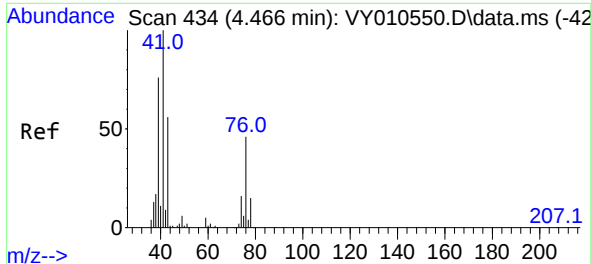
Tgt Ion: 43 Resp: 2712
Ion Ratio Lower Upper
43 100
58 20.5 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

Tgt Ion: 76 Resp: 47
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.491 min Scan# 41

Delta R.T. 0.025 min

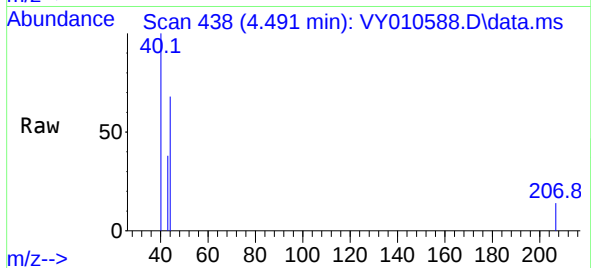
Lab File: VY010588.D

Acq: 20 Sep 2022 20:17

Instrument :

MSVOA_Y

ClientSampleId :

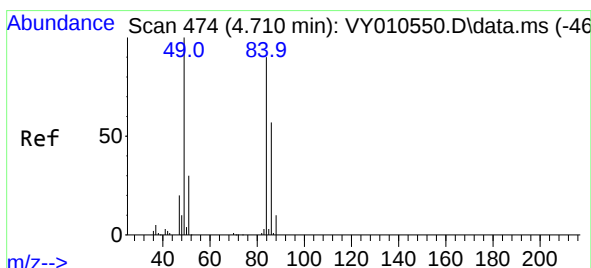
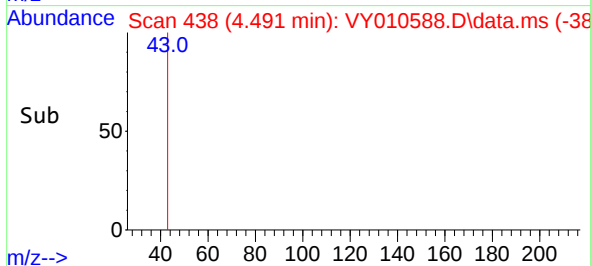
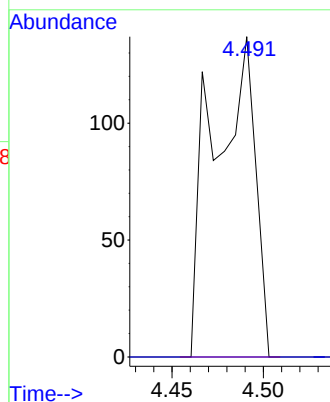


Tgt Ion: 43 Resp: 218

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 2.847 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY010588.D

Acq: 20 Sep 2022 20:17

Tgt Ion: 84 Resp: 25602

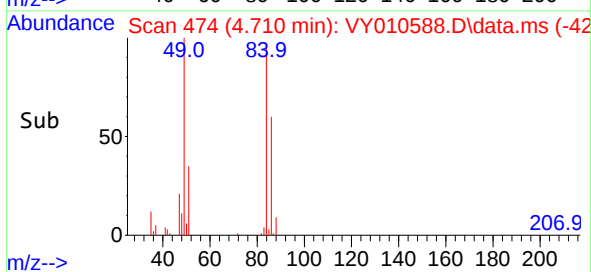
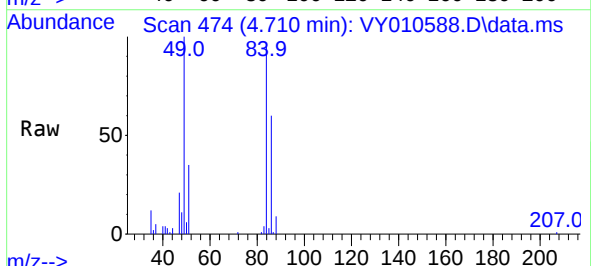
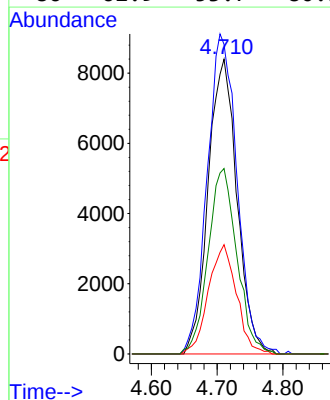
Ion Ratio Lower Upper

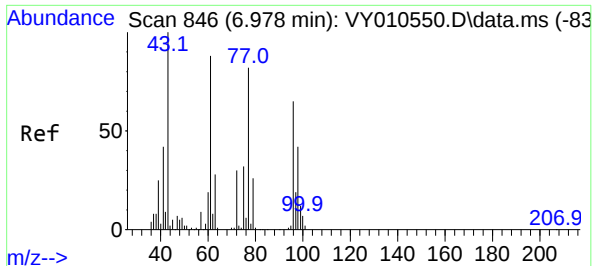
84 100

49 105.0 114.4 171.6#

51 37.1 35.3 52.9

86 62.9 53.7 80.5





#25

2-Butanone

Concen: 4.761 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

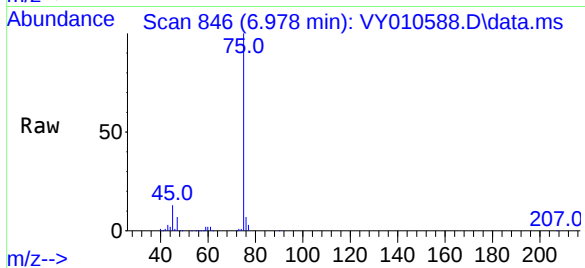
Lab File: VY010588.D

Acq: 20 Sep 2022 20:17

Instrument :

MSVOA_Y

ClientSampleId :

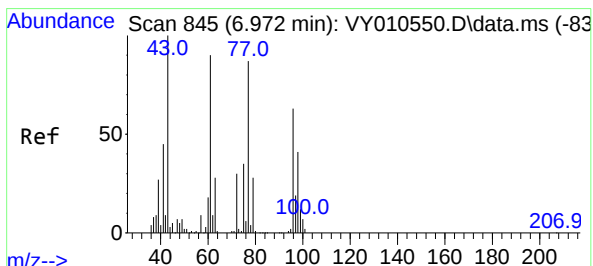
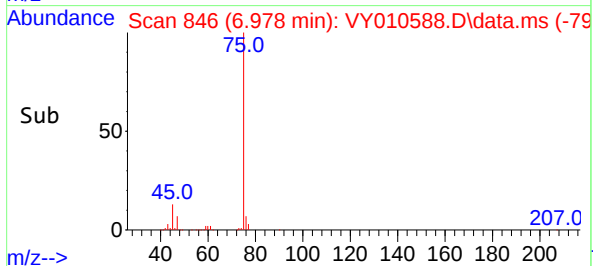
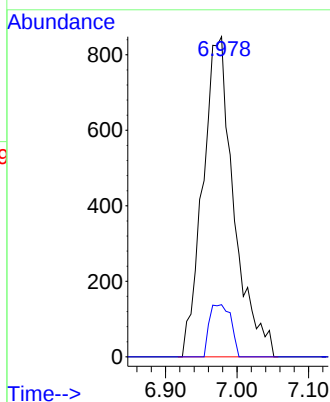


Tgt Ion: 43 Resp: 2553

Ion Ratio Lower Upper

43 100

72 16.3 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.380 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY010588.D

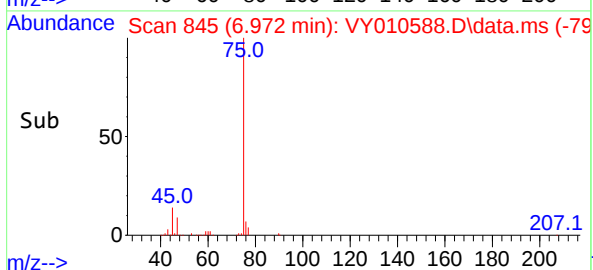
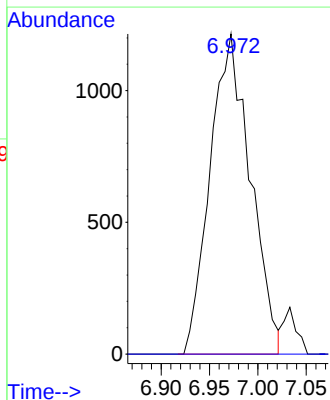
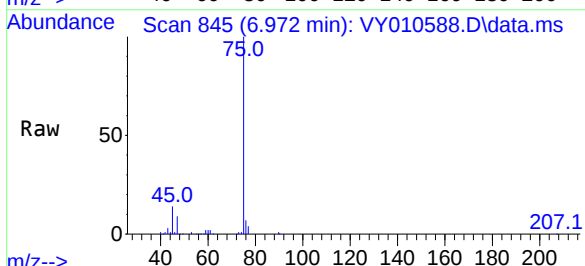
Acq: 20 Sep 2022 20:17

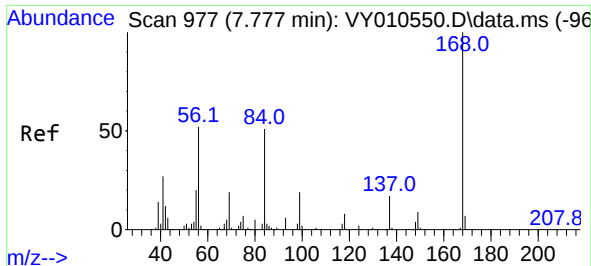
Tgt Ion: 77 Resp: 3517

Ion Ratio Lower Upper

77 100

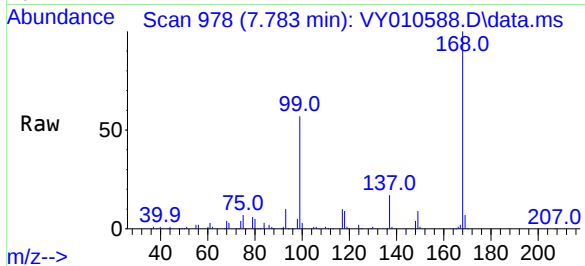
97 0.0 10.4 31.4#



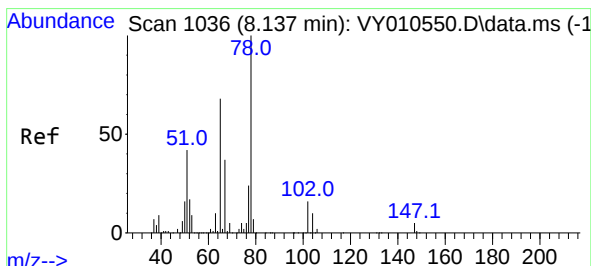
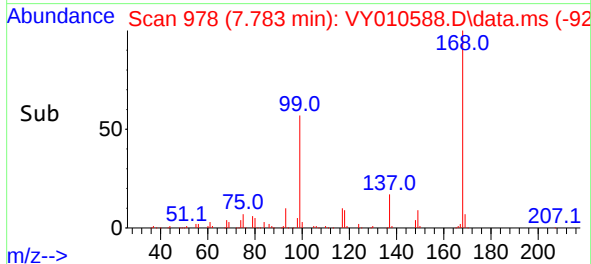
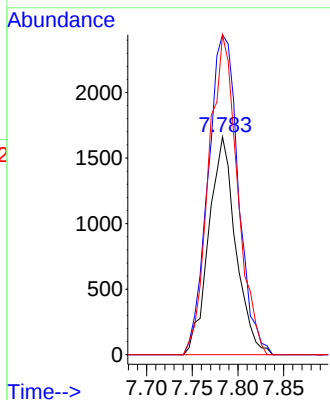


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

Instrument :
MSVOA_Y
ClientSampleId :

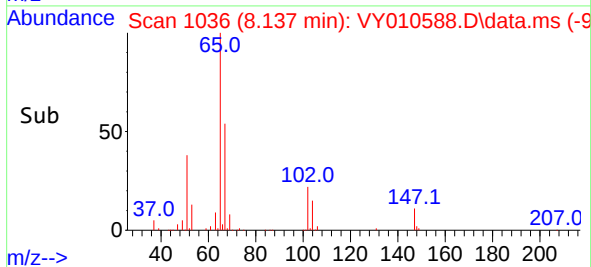
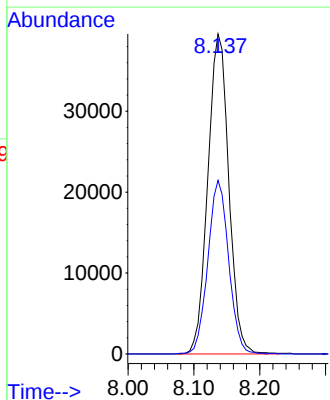
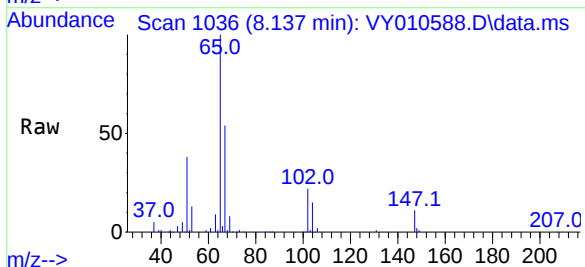


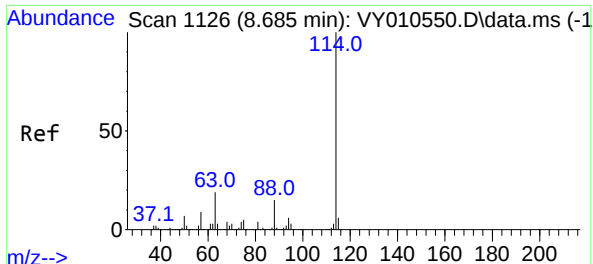
Tgt Ion: 56 Resp: 3414
Ion Ratio Lower Upper
56 100
69 147.0 26.7 40.1#
84 146.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.222 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

Tgt Ion: 65 Resp: 87786
Ion Ratio Lower Upper
65 100
67 53.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010588.D

Acq: 20 Sep 2022 20:17

Instrument :

MSVOA_Y

ClientSampleId :

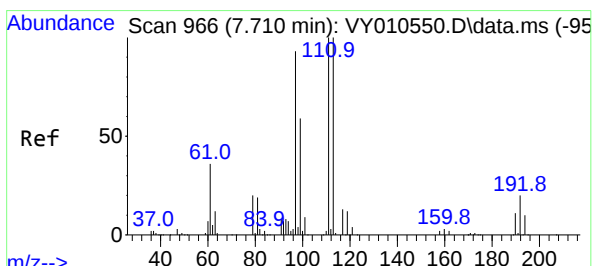
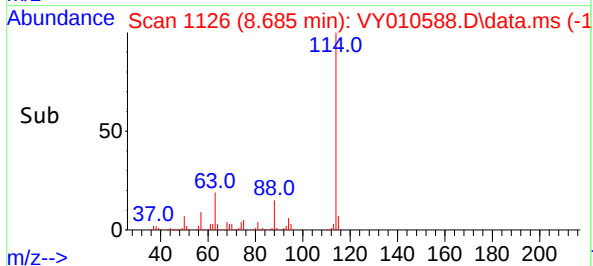
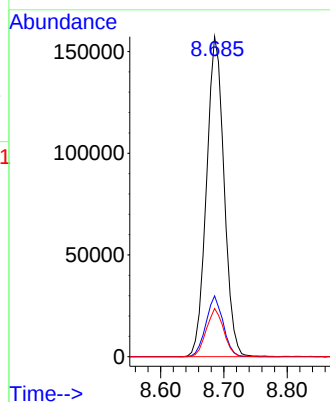
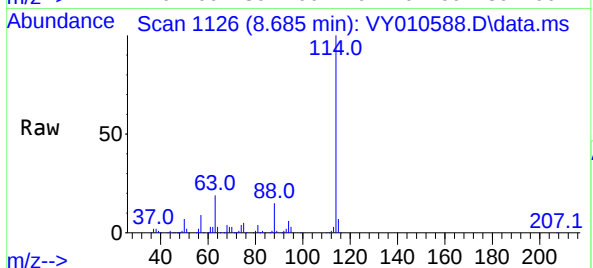
Tgt Ion:114 Resp: 303703

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.483 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010588.D

Acq: 20 Sep 2022 20:17

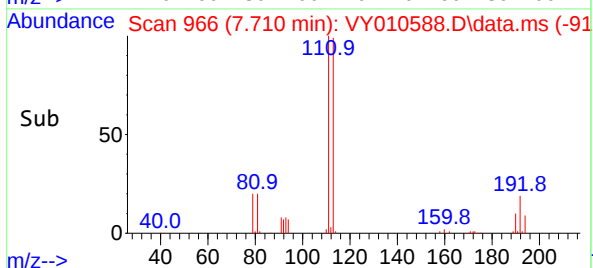
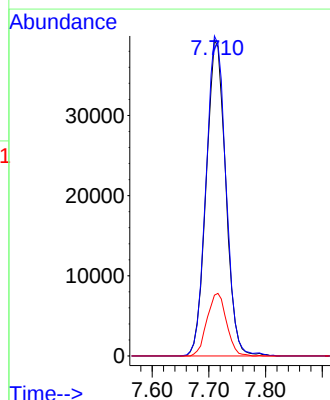
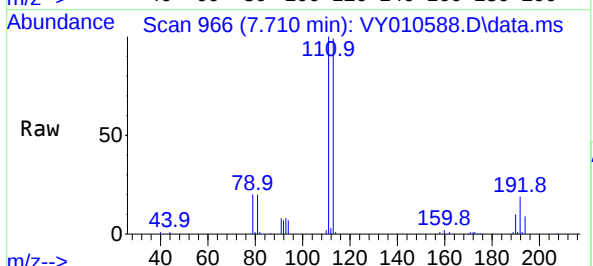
Tgt Ion:113 Resp: 93971

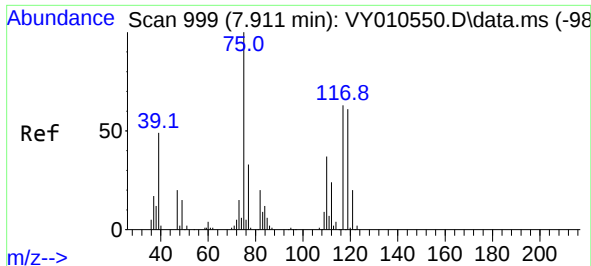
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

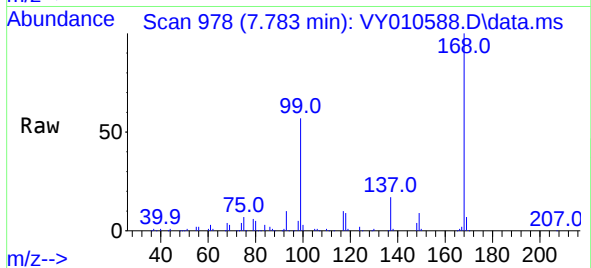
192 19.8 17.6 26.4



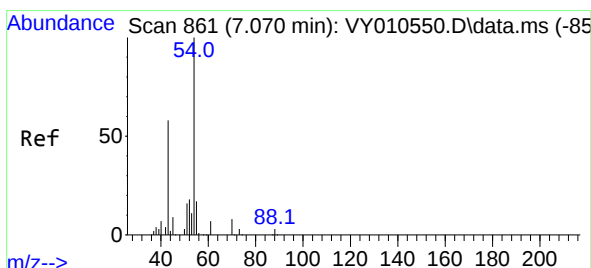
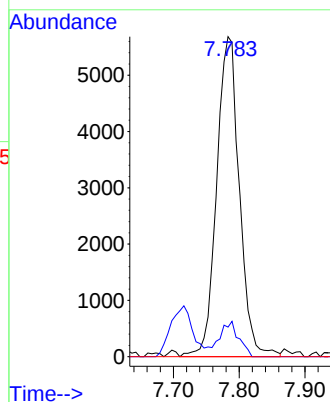
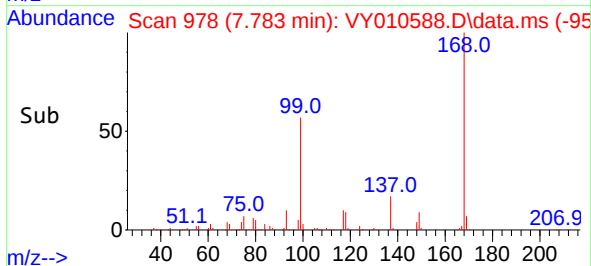


#36
1,1-Dichloropropene
Concen: 6.327 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

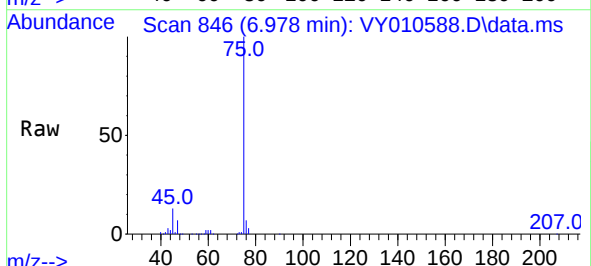
Instrument :
MSVOA_Y
ClientSampleId :



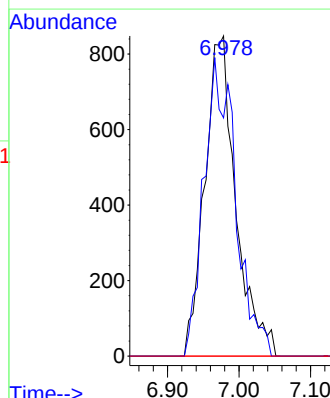
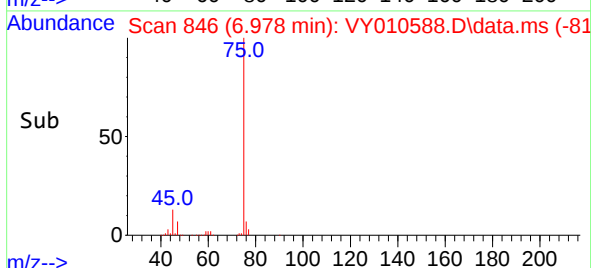
Tgt Ion: 75 Resp: 13663
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#

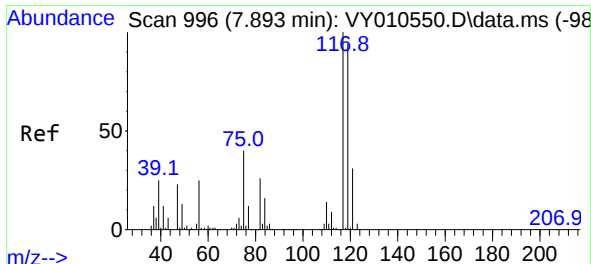


#37
Ethyl Acetate
Concen: 2.047 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17



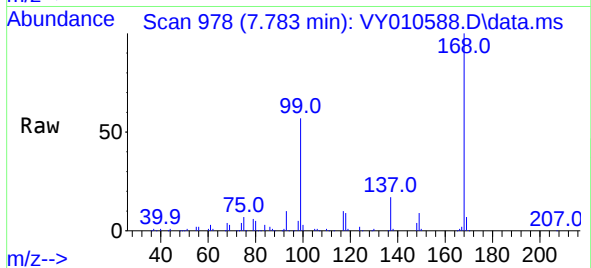
Tgt Ion: 43 Resp: 2553
Ion Ratio Lower Upper
43 100
61 95.3 9.7 14.5#
70 0.0 7.1 10.7#



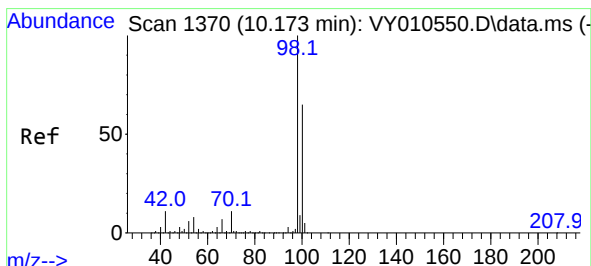
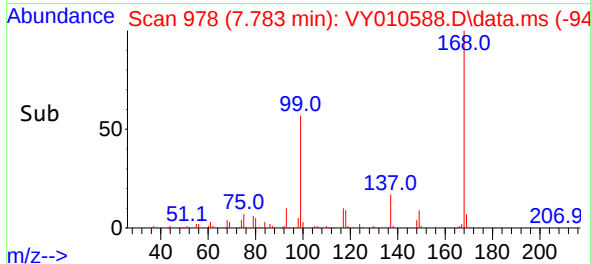
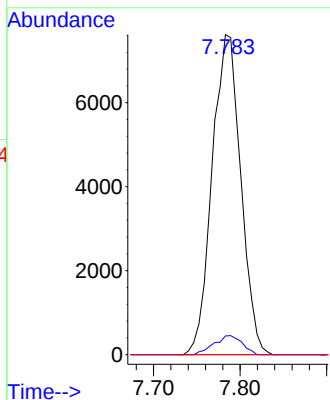


#38
Carbon Tetrachloride
Concen: 7.043 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

Instrument :
MSVOA_Y
ClientSampleId :

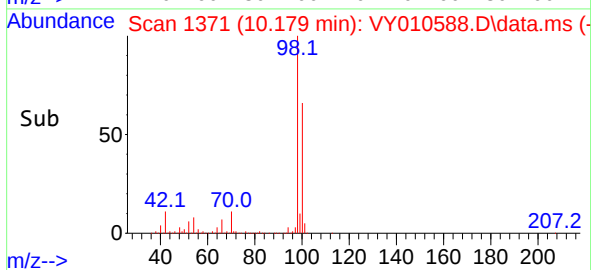
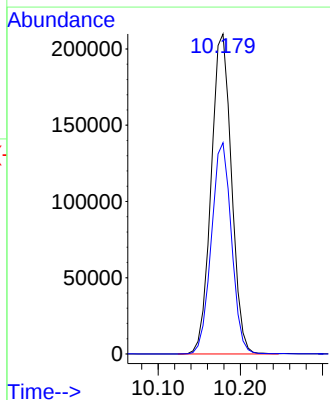
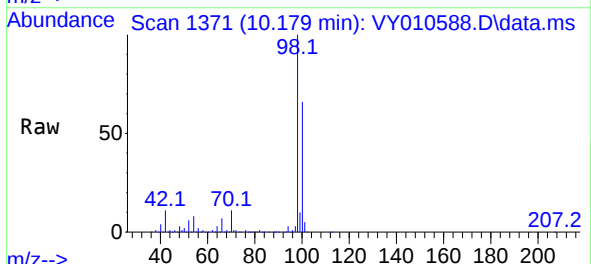


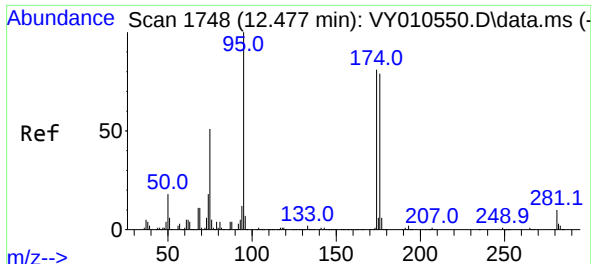
Tgt Ion:117 Resp: 17488
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.285 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

Tgt Ion: 98 Resp: 360339
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

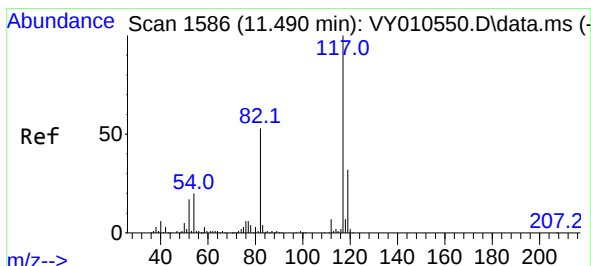
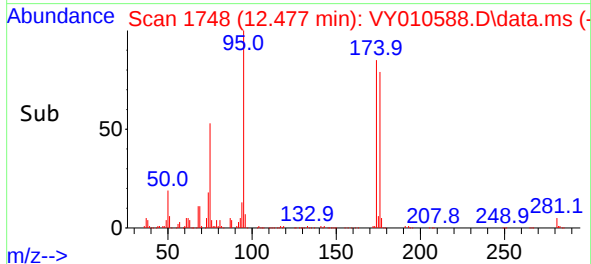
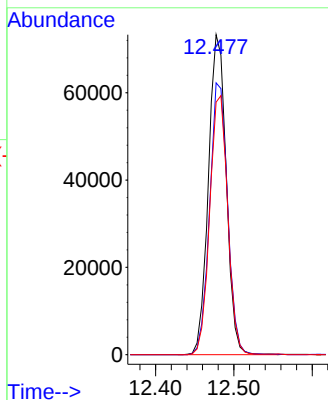
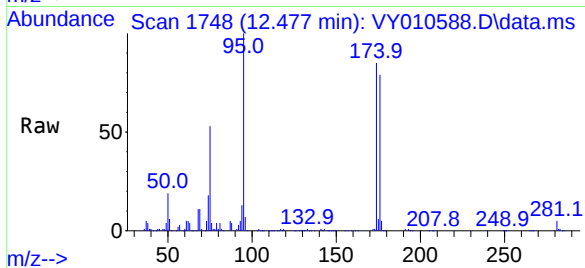




#62
4-Bromofluorobenzene
Concen: 43.123 ug/l
RT: 12.477 min Scan# 115629
Delta R.T. 0.000 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

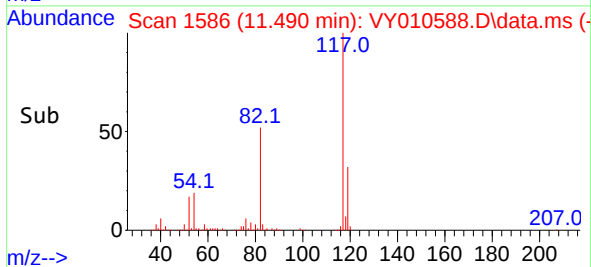
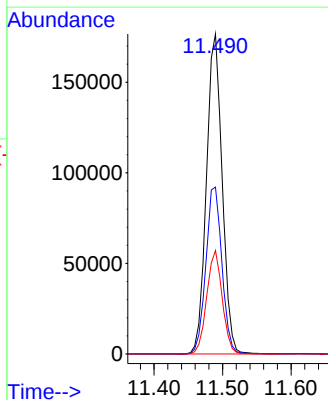
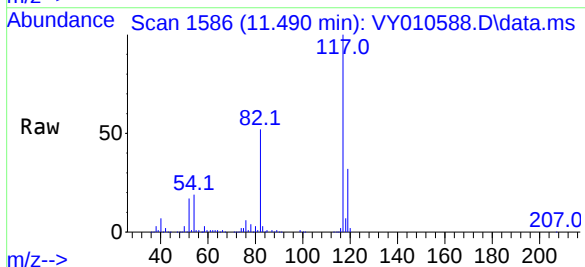
Instrument :
MSVOA_Y
ClientSampleId :

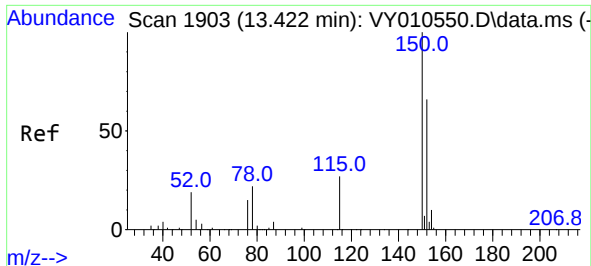
Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.8	0.0	177.0
176	81.8	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

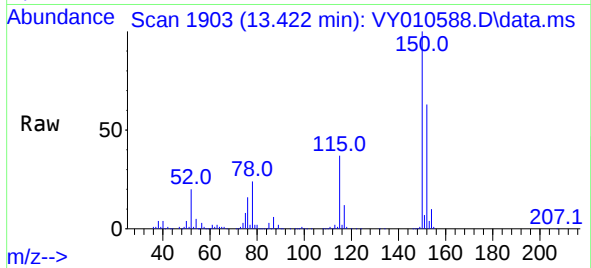
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	43.0	64.4
119	32.4	25.4	38.0



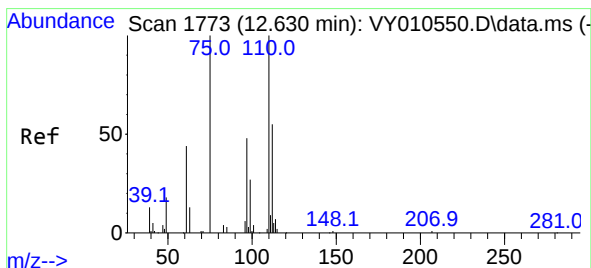
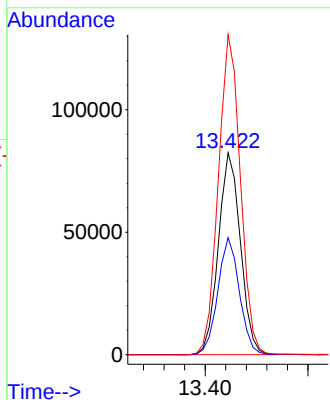
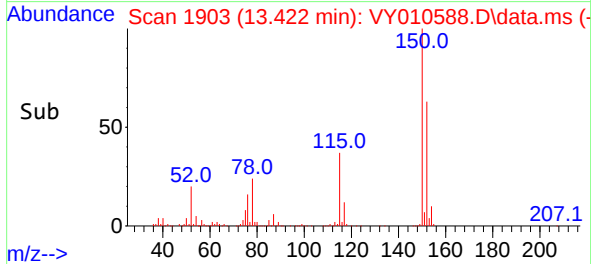


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

Instrument :
MSVOA_Y
ClientSampleId :

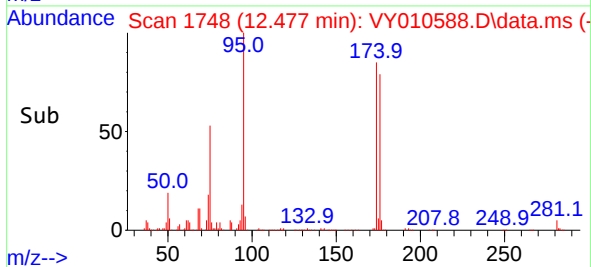
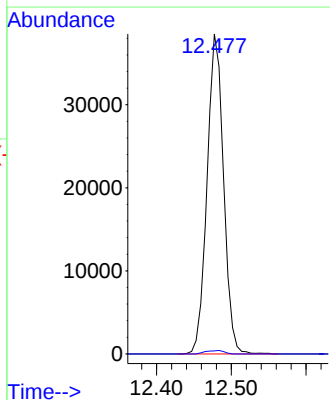
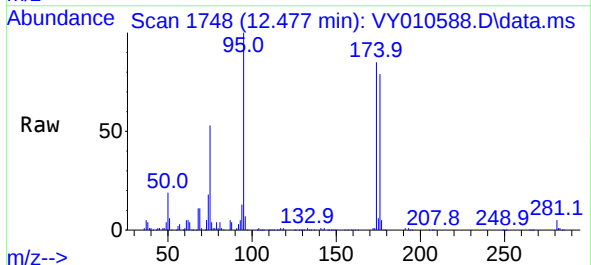


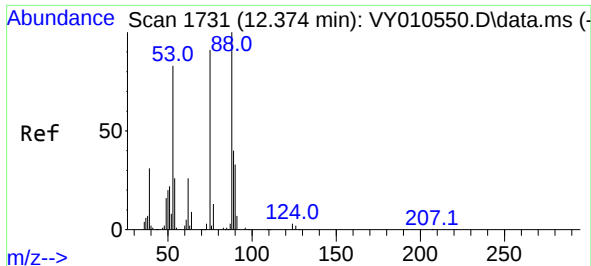
Tgt Ion:152 Resp: 122607
Ion Ratio Lower Upper
152 100
115 56.8 28.2 84.7
150 158.6 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.536 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010588.D
Acq: 20 Sep 2022 20:17

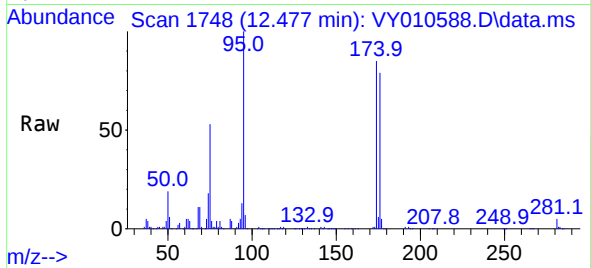
Tgt Ion: 75 Resp: 59137
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.363 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010588.D
 Acq: 20 Sep 2022 20:17

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 59137
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

