

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100522\
 Data File : VY010823.D
 Acq On : 05 Oct 2022 16:24
 Operator : KP/MD
 Sample : N5004-03
 Misc : 5.83g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DA-14-8.5

Quant Time: Oct 06 09:21:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

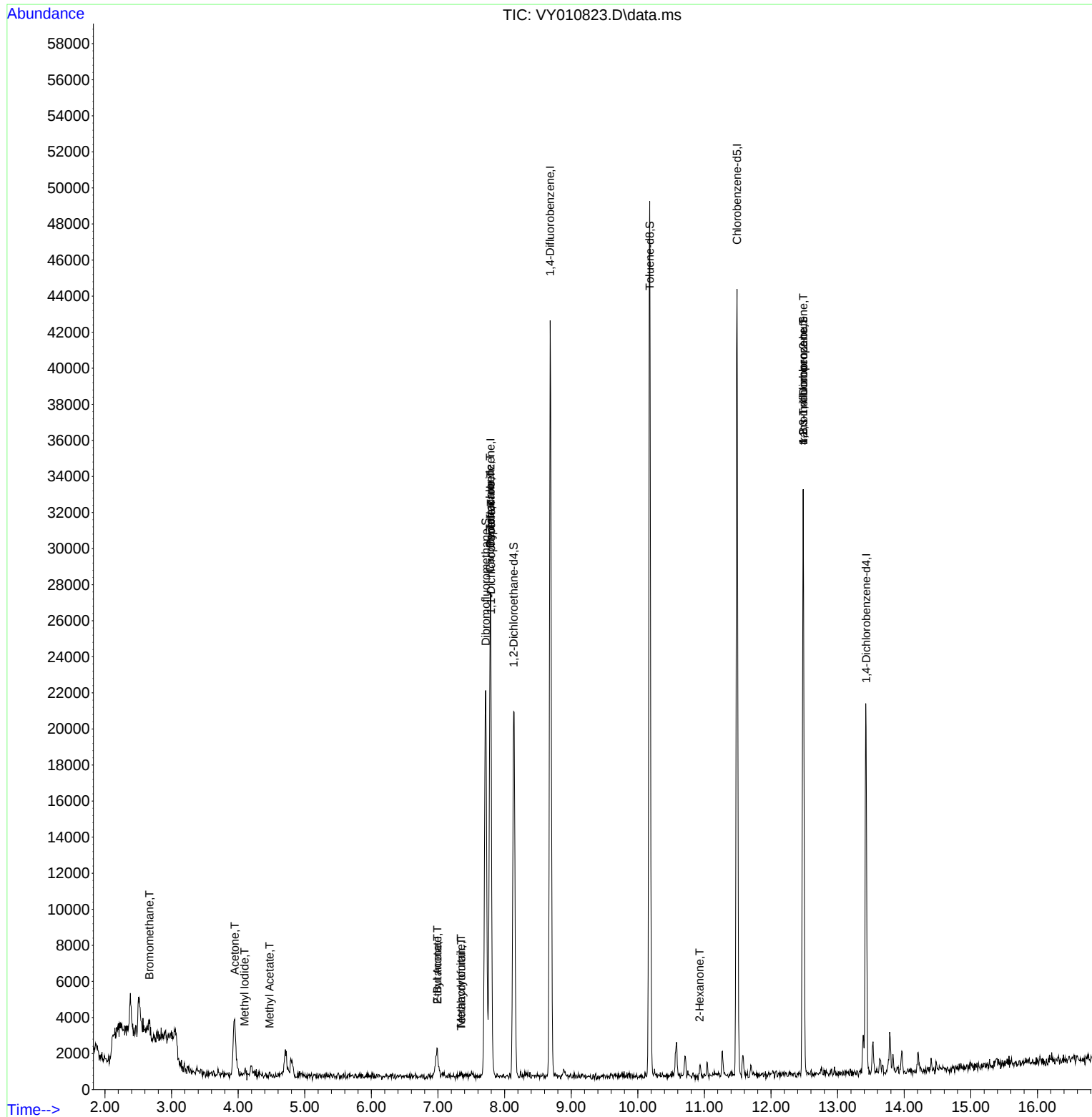
Internal Standards						
1) Pentafluorobenzene	7.789	168	21324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	34950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	25170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	16694	77.235	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 154.480%			
35) Dibromofluoromethane	7.716	113	15251	65.737	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 131.480%			
50) Toluene-d8	10.179	98	32785	41.321	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 82.640%			
62) 4-Bromofluorobenzene	12.483	95	7844	23.344	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 46.680%			
Target Compounds						Qvalue
5) Bromomethane	2.668	94	251	1.196	ug/l	81
10) Methyl Iodide	4.094	142	381	1.380	ug/l #	69
11) Tert butyl alcohol	4.948	59	93	Below Cal	#	77
16) Acetone	3.948	43	5993	109.171	ug/l	96
18) Methyl Acetate	4.472	43	200	1.426	ug/l #	56
20) Methylene Chloride	4.704	84	1024	Below Cal	#	76
25) 2-Butanone	6.990	43	2314	29.320	ug/l	99
29) Tetrahydrofuran	7.350	42	219	4.719	ug/l #	38
31) Cyclohexane	7.789	56	519	1.341	ug/l #	41
36) 1,1-Dichloropropene	7.795	75	1671	4.989	ug/l #	45
37) Ethyl Acetate	6.990	43	2314	14.080	ug/l #	72
38) Carbon Tetrachloride	7.783	117	2095	6.006	ug/l #	16
41) Methacrylonitrile	7.344	41	30	2.877	ug/l #	1
59) 2-Hexanone	10.929	43	362	3.212	ug/l #	28
76) 1,2,3-Trichloropropane	12.483	75	3912	71.603	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	3912	149.572	ug/l #	7

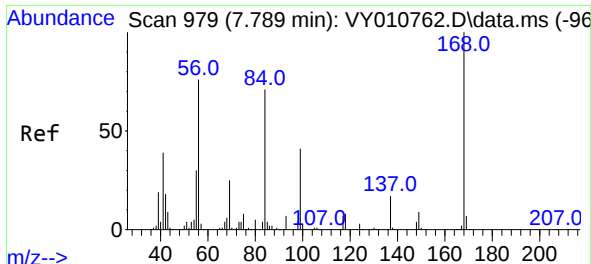
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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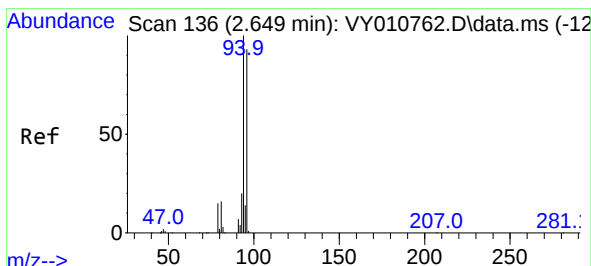
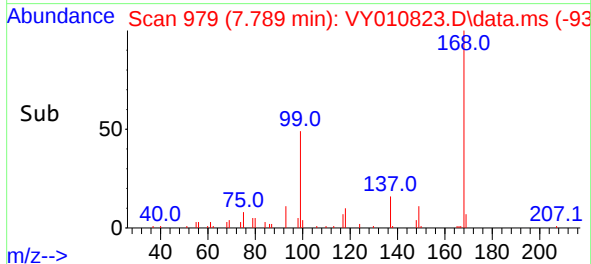
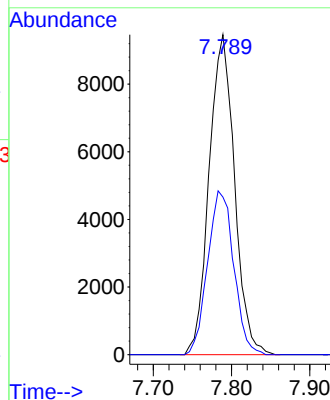
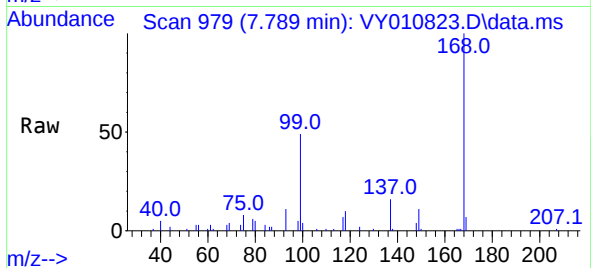




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

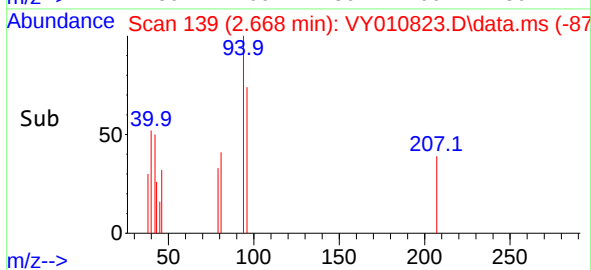
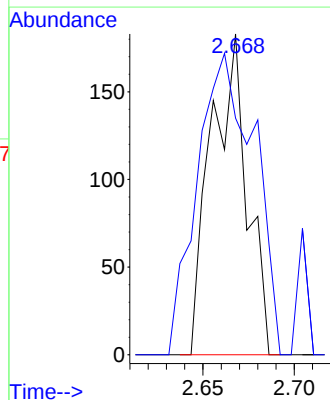
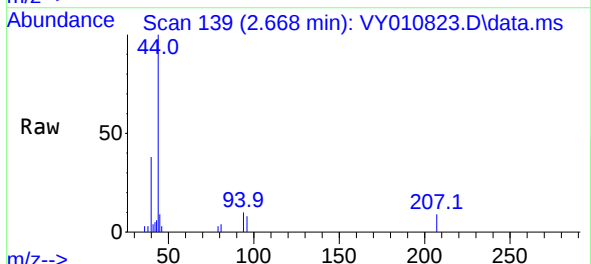
Instrument :
MSVOA_Y
ClientSampleId :
DA-14-8.5

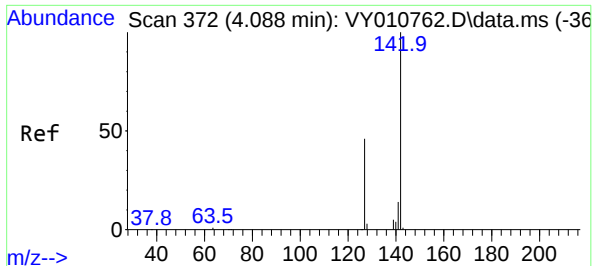
Tgt Ion:168 Resp: 21324
Ion Ratio Lower Upper
168 100
99 49.3 46.9 70.3



#5
Bromomethane
Concen: 1.196 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.019 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion: 94 Resp: 251
Ion Ratio Lower Upper
94 100
96 73.8 73.5 110.3

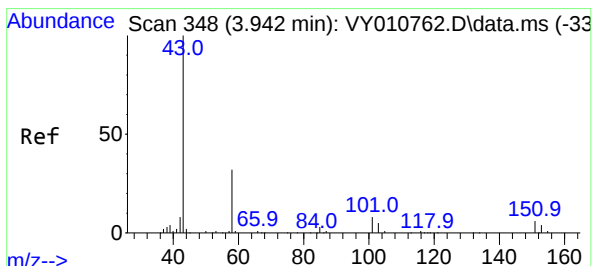
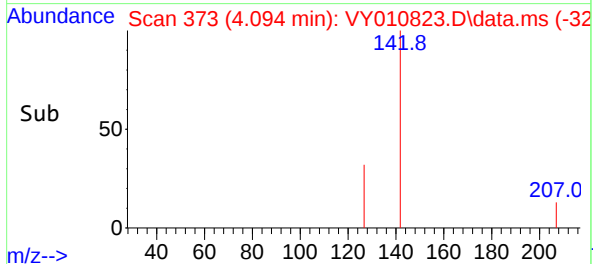
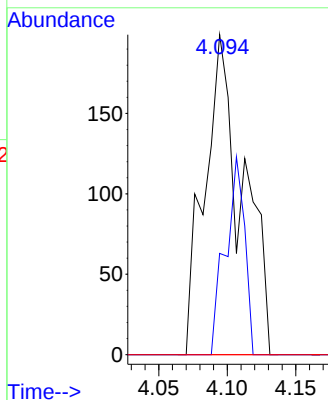
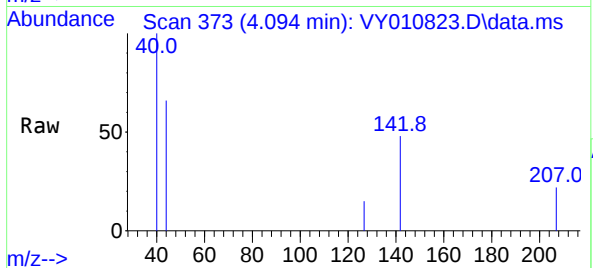




#10
Methyl Iodide
Concen: 1.380 ug/l
RT: 4.094 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

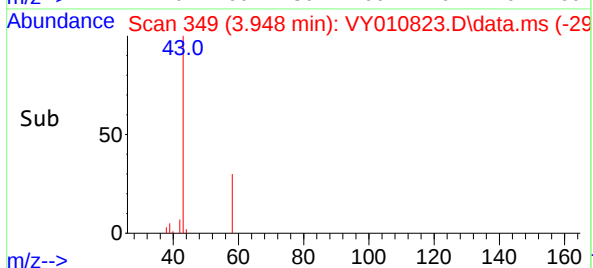
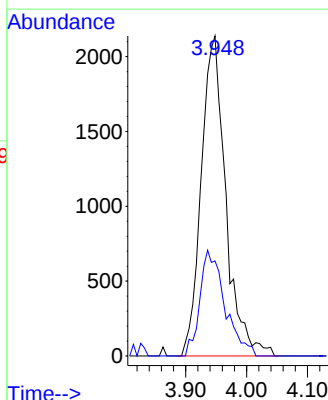
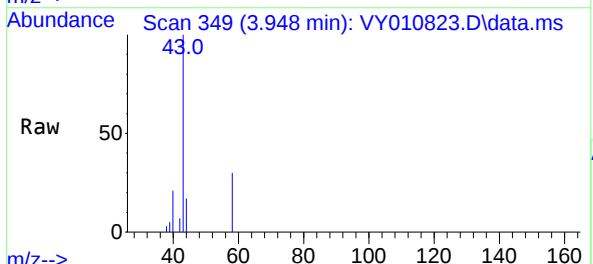
Instrument :
MSVOA_Y
ClientSampleId :
DA-14-8.5

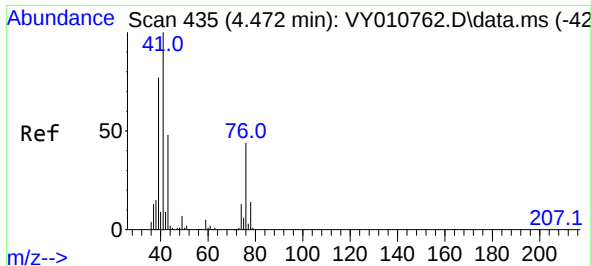
Tgt Ion:142 Resp: 381
Ion Ratio Lower Upper
142 100
127 31.5 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 109.171 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion: 43 Resp: 5993
Ion Ratio Lower Upper
43 100
58 29.7 22.0 33.0

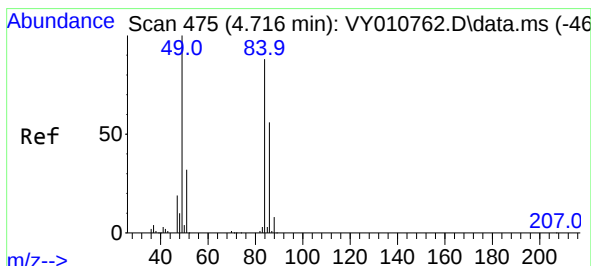
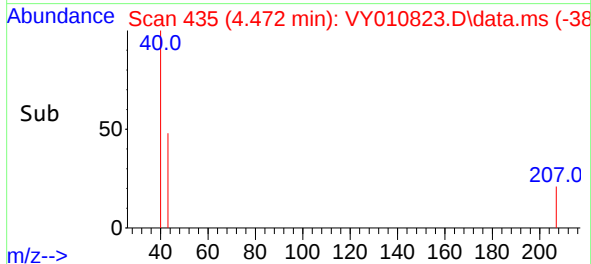
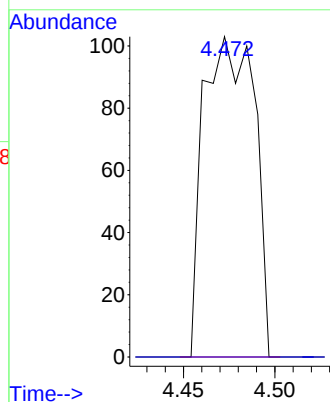
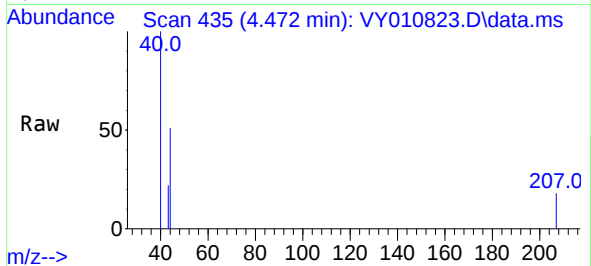




#18
Methyl Acetate
Concen: 1.426 ug/l
RT: 4.472 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

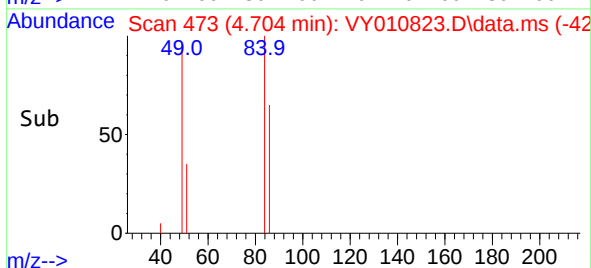
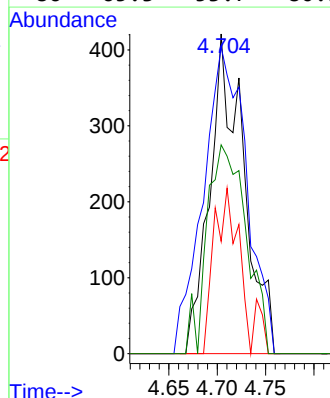
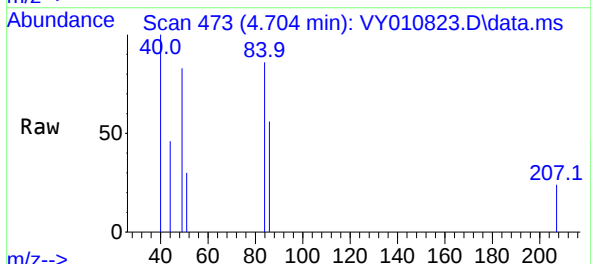
Instrument :
MSVOA_Y
ClientSampleId :
DA-14-8.5

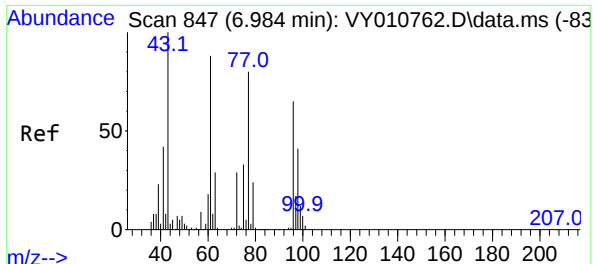
Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion: 84 Resp: 1024
Ion Ratio Lower Upper
84 100
49 96.0 114.4 171.6#
51 35.2 35.3 52.9#
86 65.3 53.7 80.5

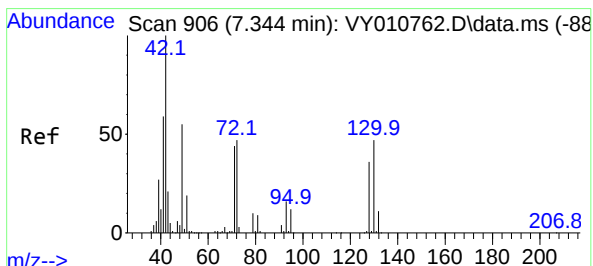
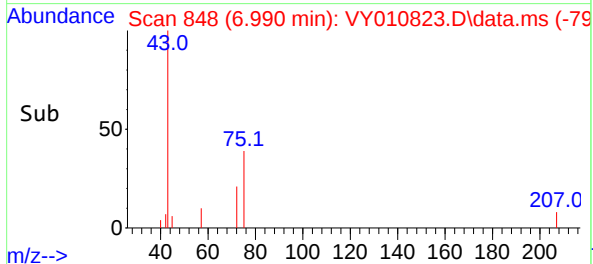
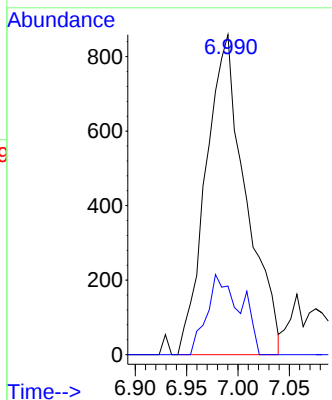
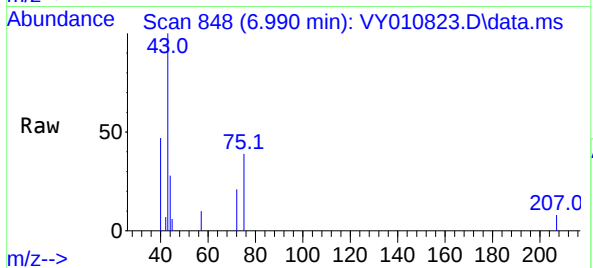




#25
2-Butanone
Concen: 29.320 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

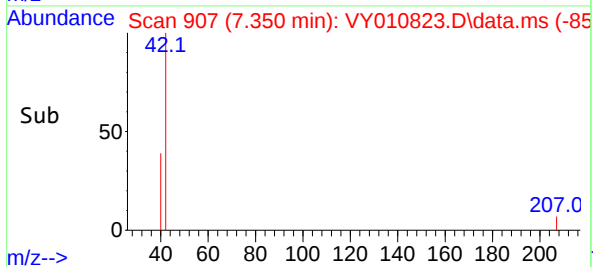
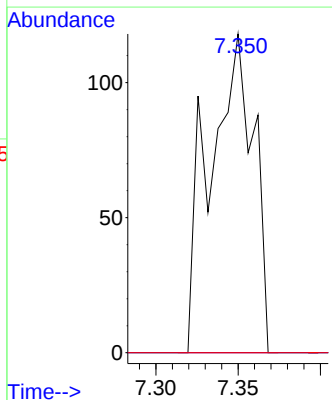
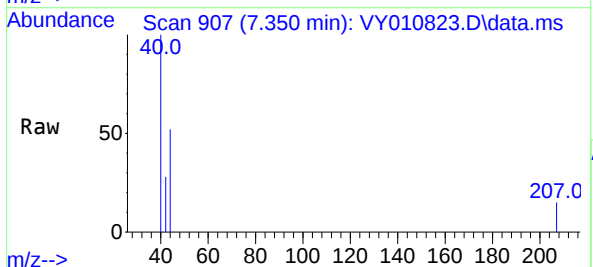
Instrument :
MSVOA_Y
ClientSampleId :
DA-14-8.5

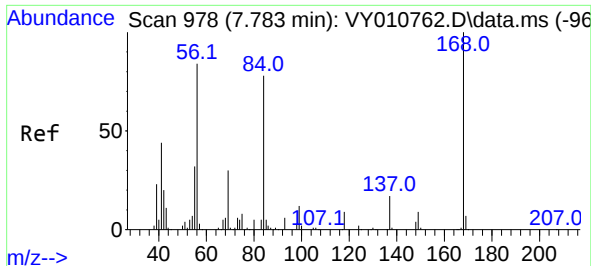
Tgt Ion: 43 Resp: 2314
Ion Ratio Lower Upper
43 100
72 21.4 17.7 26.5



#29
Tetrahydrofuran
Concen: 4.719 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion: 42 Resp: 219
Ion Ratio Lower Upper
42 100
72 0.0 30.3 45.5#
71 0.0 29.0 43.4#

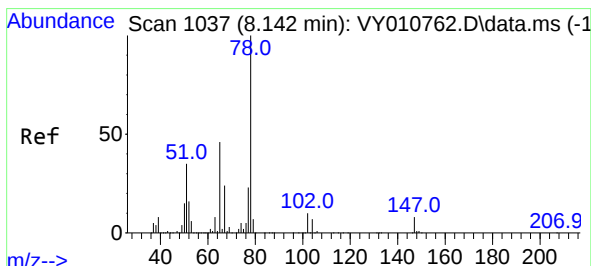
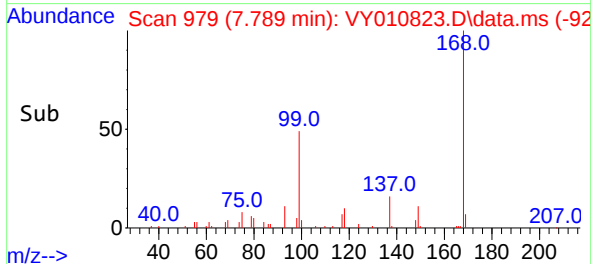
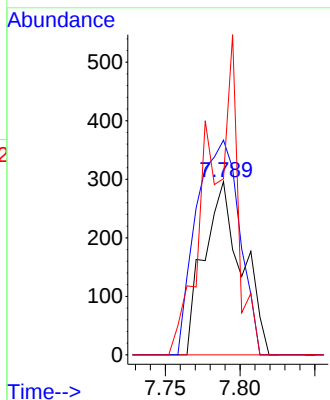
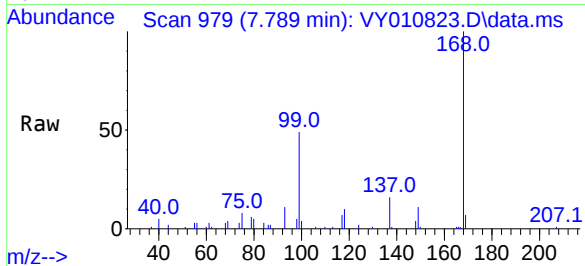




#31
Cyclohexane
Concen: 1.341 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

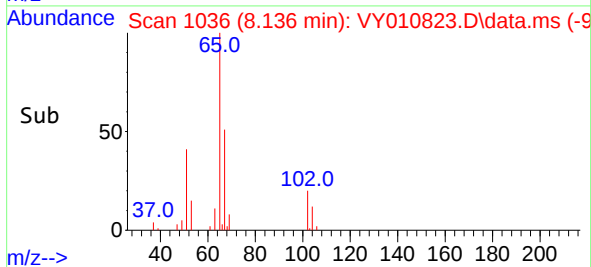
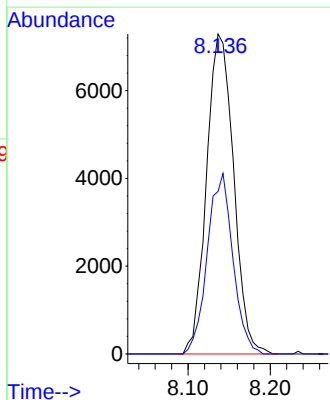
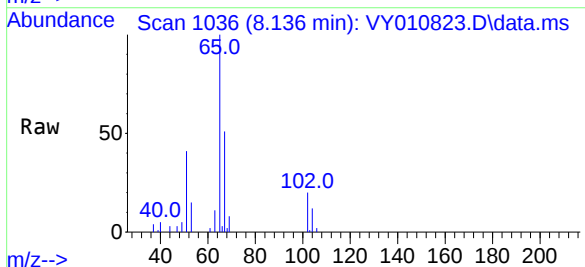
Instrument :
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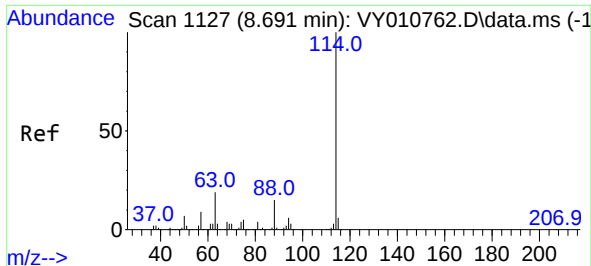
Tgt Ion: 56 Resp: 519
Ion Ratio Lower Upper
56 100
69 124.0 26.7 40.1#
84 101.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 77.235 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion: 65 Resp: 16694
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY010823.D

Acq: 05 Oct 2022 16:24

Instrument :

MSVOA_Y

ClientSampleId :

DA-14-8.5

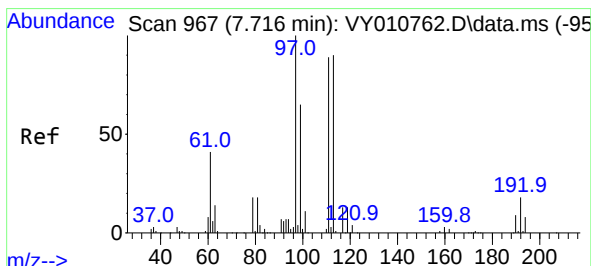
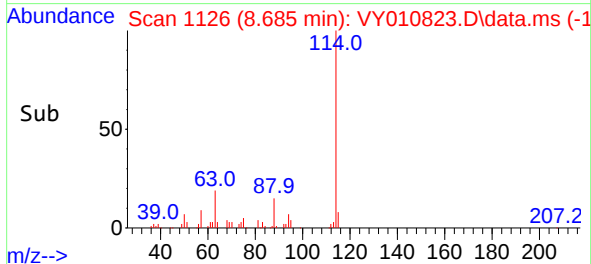
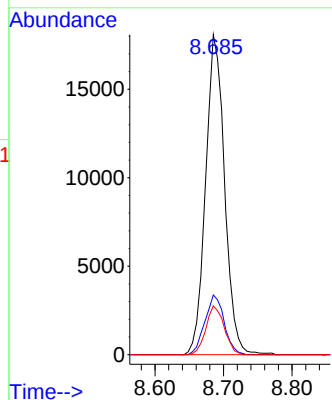
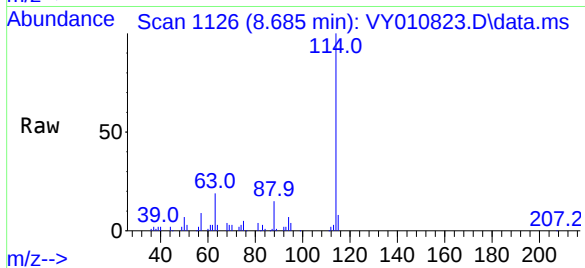
Tgt Ion:114 Resp: 34950

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 65.737 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010823.D

Acq: 05 Oct 2022 16:24

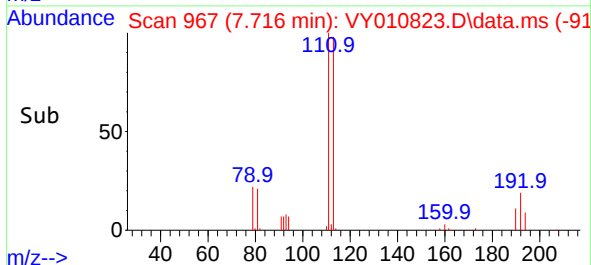
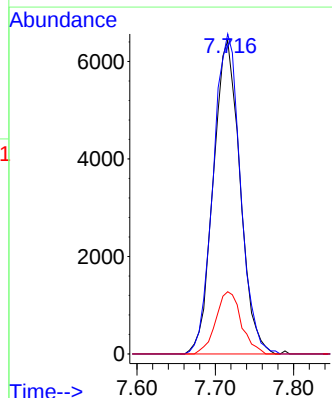
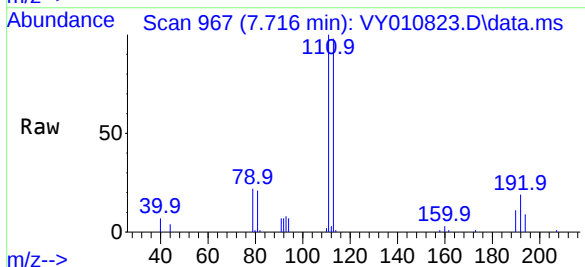
Tgt Ion:113 Resp: 15251

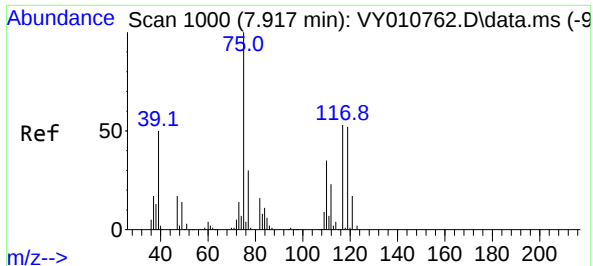
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 18.9 17.6 26.4

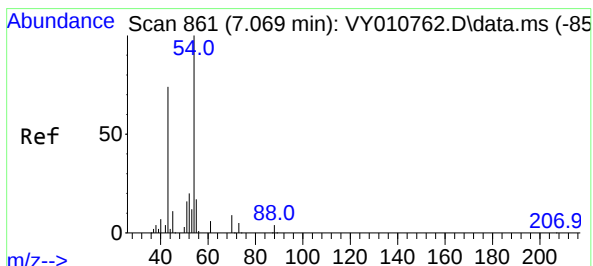
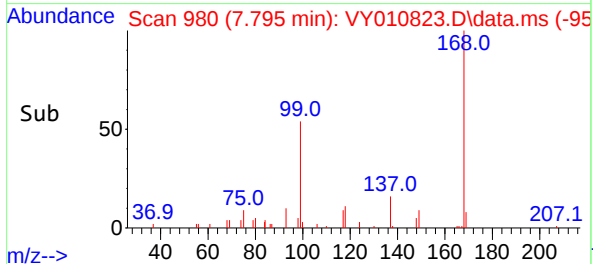
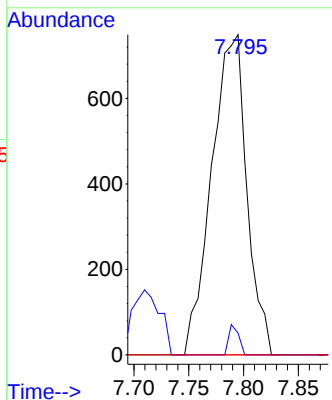
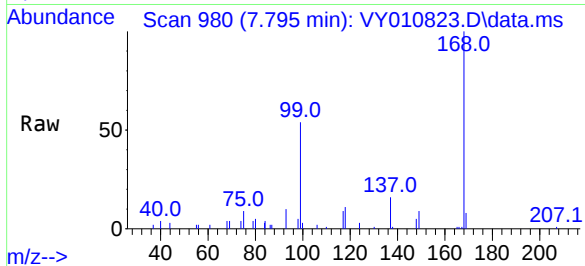




#36
1,1-Dichloropropene
Concen: 4.989 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

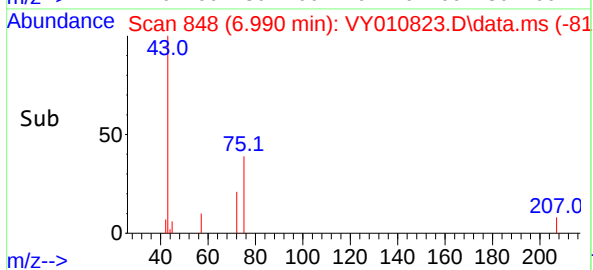
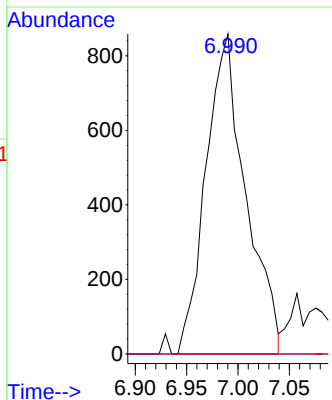
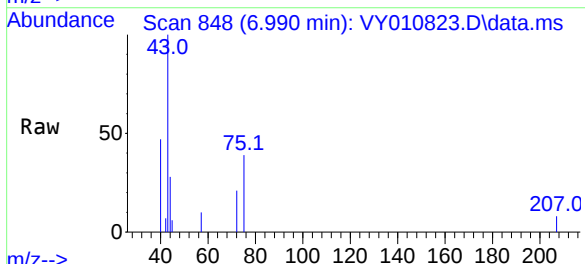
Instrument :
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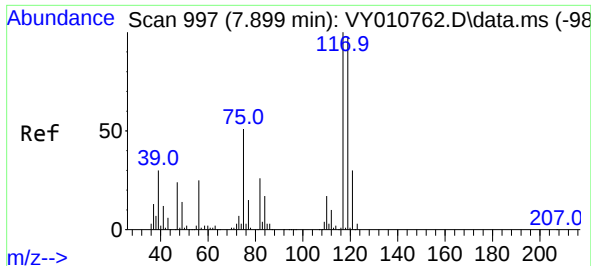
Tgt Ion: 75 Resp: 1671
Ion Ratio Lower Upper
75 100
110 2.7 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 14.080 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.079 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion: 43 Resp: 2314
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#

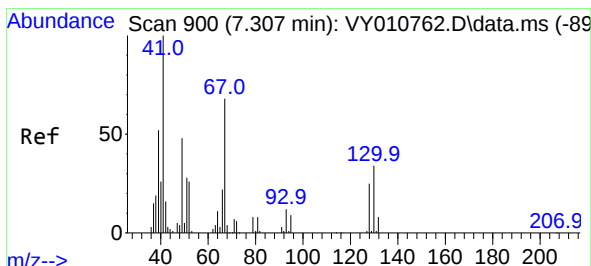
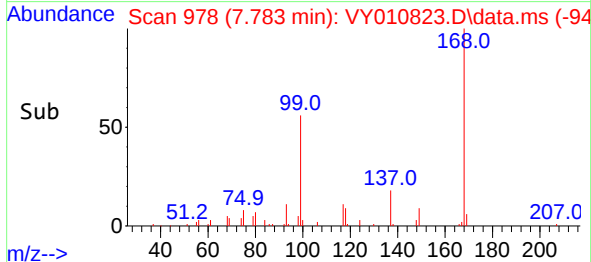
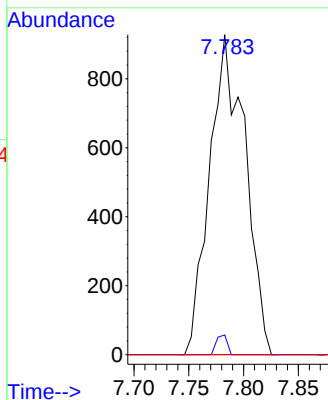
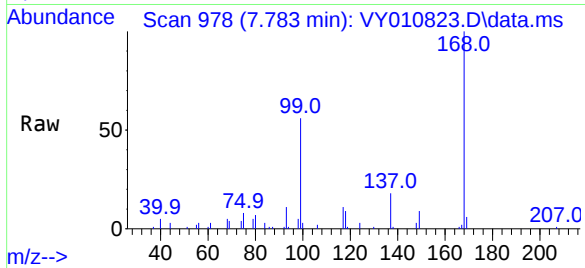




#38
Carbon Tetrachloride
Concen: 6.006 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

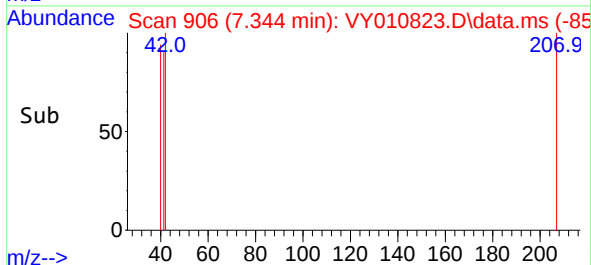
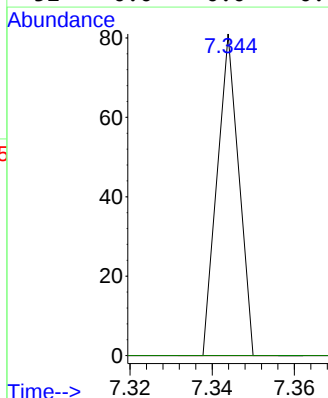
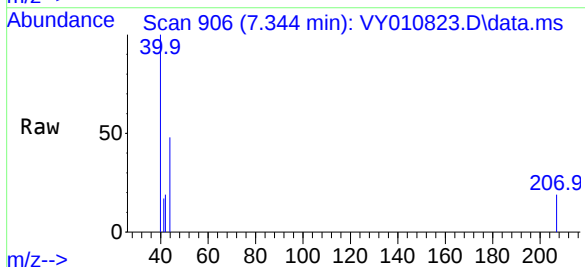
Instrument :
MSVOA_Y
ClientSampleId :
DA-14-8.5

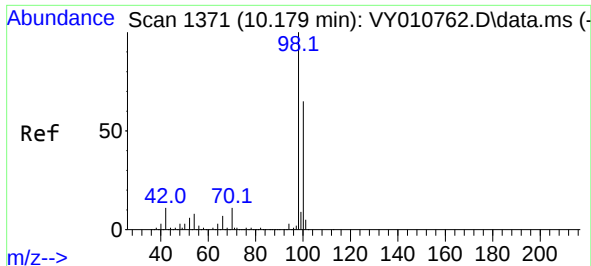
Tgt Ion: 117 Resp: 2095
Ion Ratio Lower Upper
117 100
119 6.1 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.877 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.037 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion: 41 Resp: 30
Ion Ratio Lower Upper
41 100
39 0.0 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

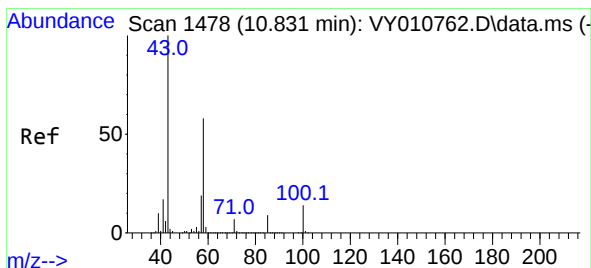
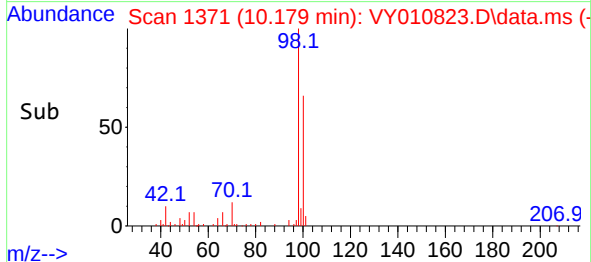
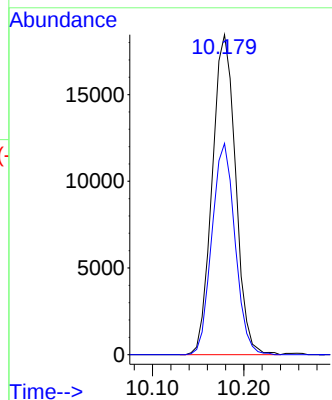
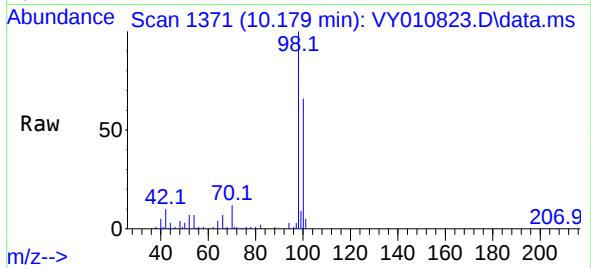




#50
Toluene-d8
Concen: 41.321 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

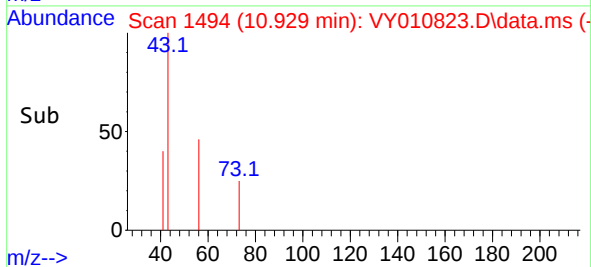
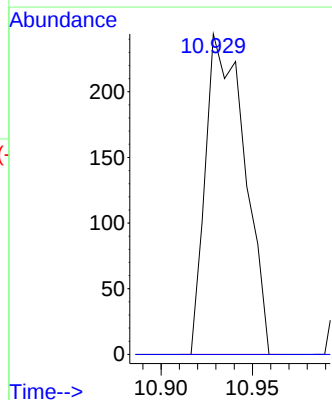
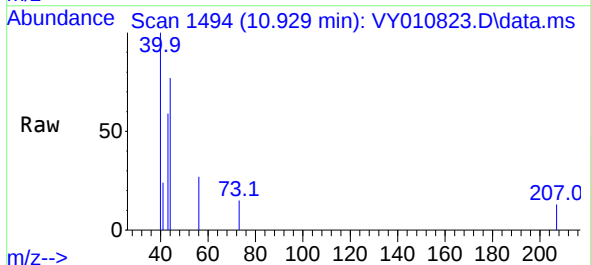
Instrument :
MSVOA_Y
ClientSampleId :
DA-14-8.5

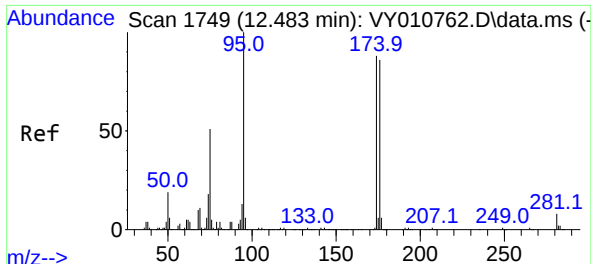
Tgt Ion: 98 Resp: 32785
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#59
2-Hexanone
Concen: 3.212 ug/l
RT: 10.929 min Scan# 1494
Delta R.T. 0.098 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion: 43 Resp: 362
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

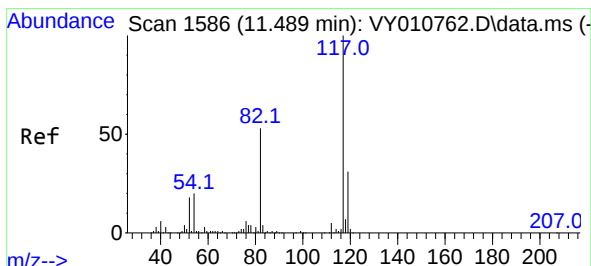
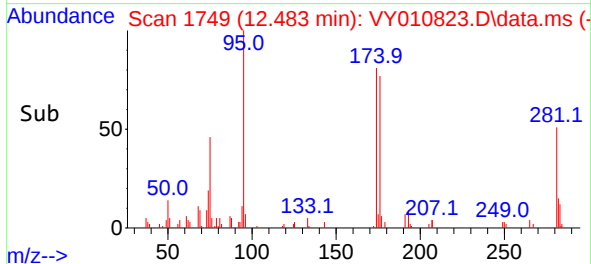
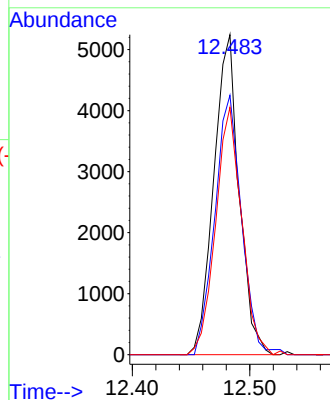
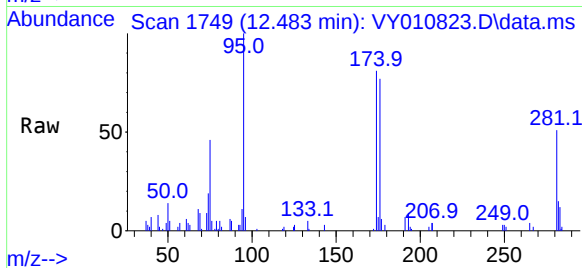




#62
4-Bromofluorobenzene
Concen: 23.344 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

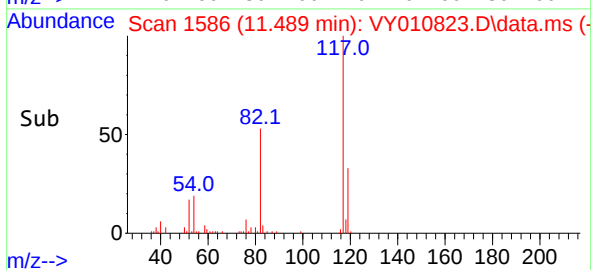
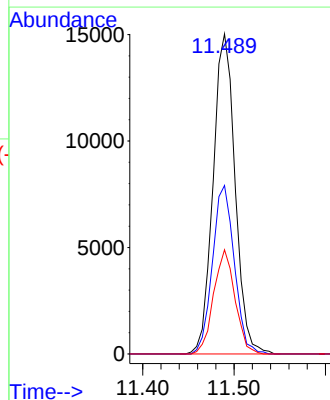
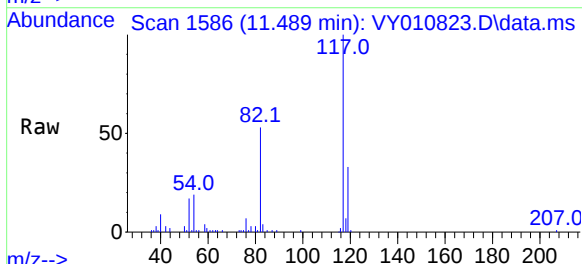
Instrument :
MSVOA_Y
ClientSampleId :
DA-14-8.5

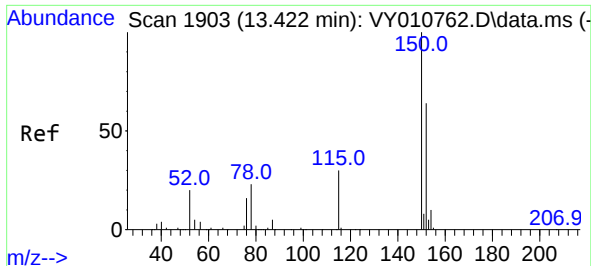
Tgt Ion:	95	Resp:	7844
Ion	Ratio	Lower	Upper
95	100		
174	85.3	0.0	177.0
176	79.8	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion:	117	Resp:	25170
Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.0	64.4
119	32.6	25.4	38.0

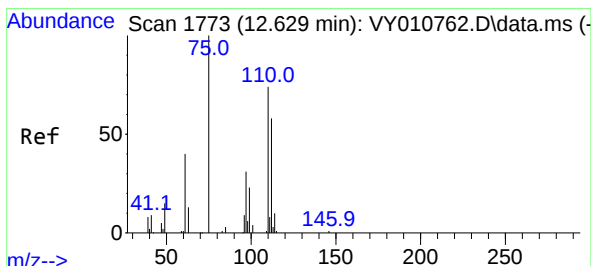
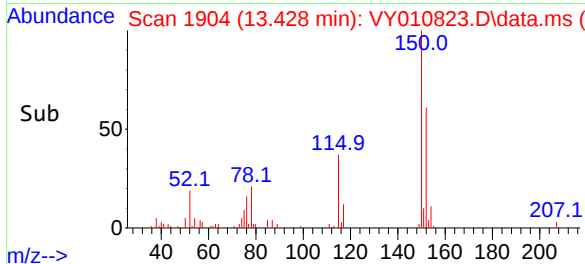
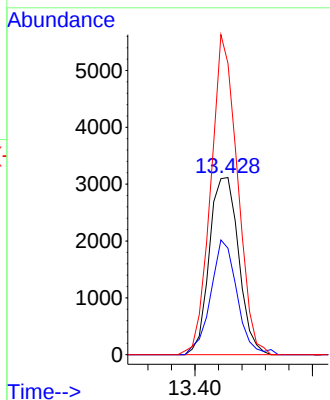
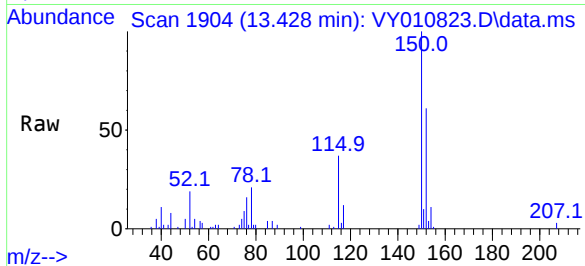




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

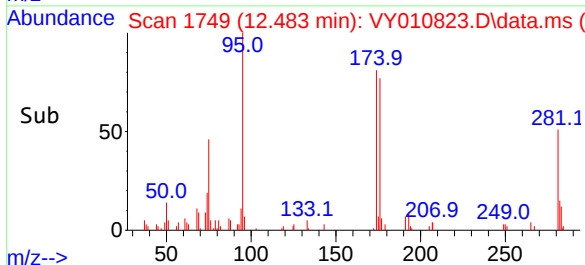
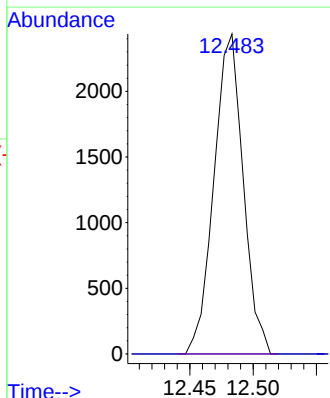
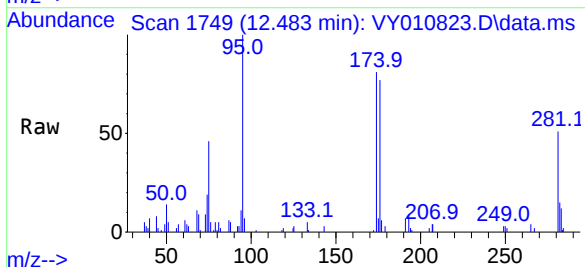
Instrument :
MSVOA_Y
ClientSampleId :
DA-14-8.5

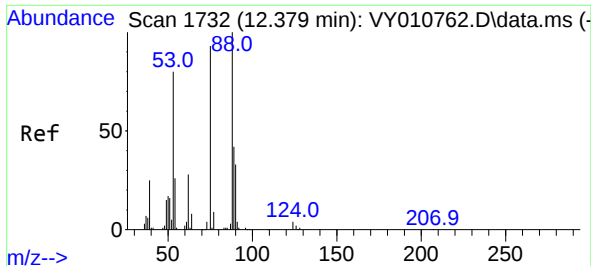
Tgt Ion:152 Resp: 5395
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 164.0 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 71.603 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Tgt Ion: 75 Resp: 3912
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 149.572 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY010823.D
Acq: 05 Oct 2022 16:24

Instrument :
MSVOA_Y
ClientSampleId :
DA-14-8.5

Tgt Ion: 75 Resp: 3912
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

