

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100622\
 Data File : VY010855.D
 Acq On : 06 Oct 2022 19:08
 Operator : KP/MD
 Sample : N5004-12RE
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22020-18RE

Quant Time: Oct 07 02:31:23 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)

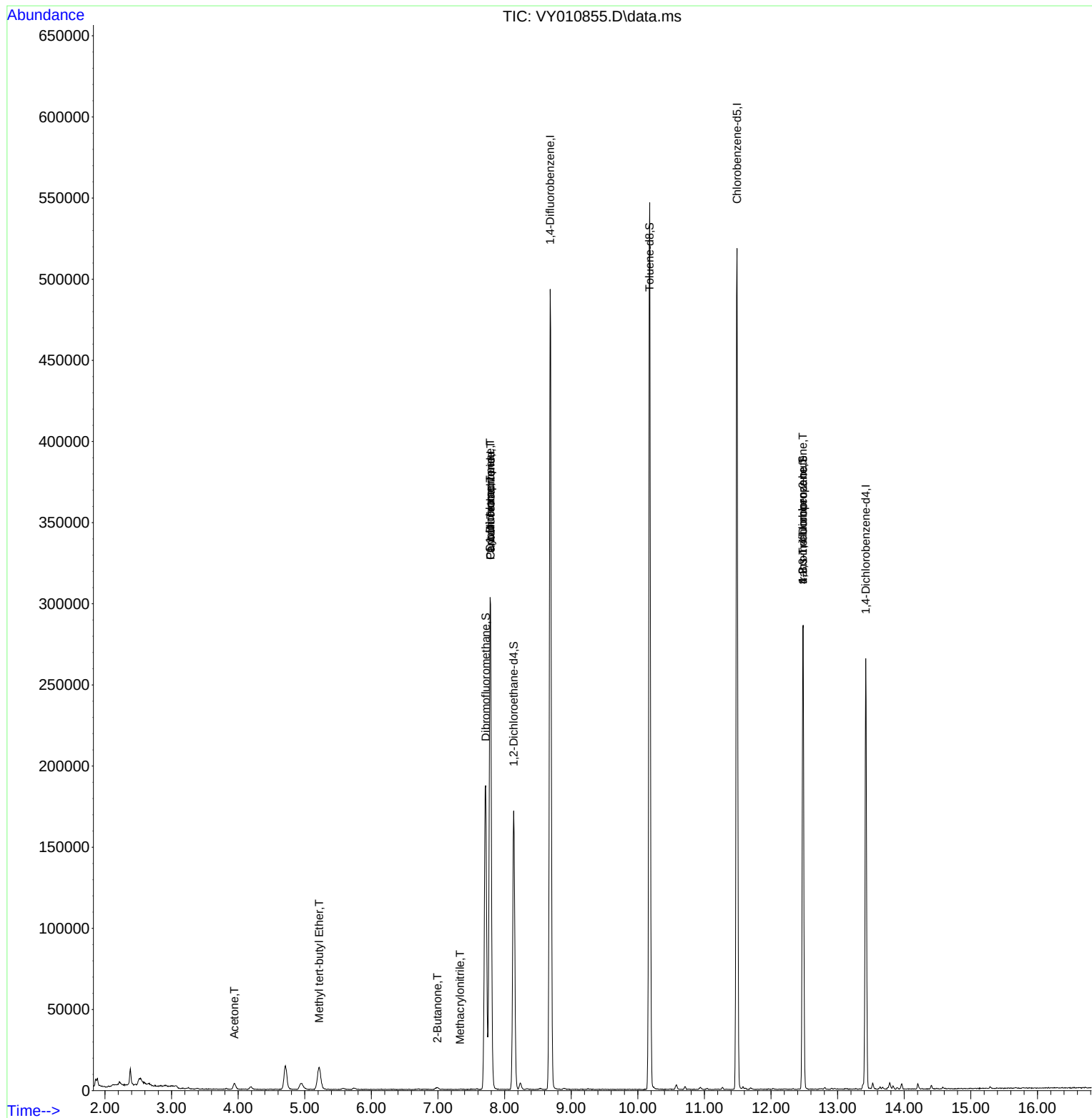
Internal Standards						
1) Pentafluorobenzene	7.789	168	233545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	417494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	288352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	67591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	130367	55.071	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.140%	
35) Dibromofluoromethane	7.716	113	136102	49.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.220%	
50) Toluene-d8	10.179	98	354102	37.362	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 74.720%	
62) 4-Bromofluorobenzene	12.477	95	87929	21.661	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 43.320%	
Target Compounds						
11) Tert butyl alcohol	4.954	59	7492	Below Cal	Qvalue #	92
16) Acetone	3.942	43	6548	10.891	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	22982	3.976	ug/l	99
20) Methylene Chloride	4.710	84	11115	Below Cal		88
25) 2-Butanone	6.990	43	1914	2.214	ug/l #	83
31) Cyclohexane	7.783	56	5040	1.189	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	18558	4.639	ug/l #	50
38) Carbon Tetrachloride	7.789	117	23696	5.687	ug/l #	16
41) Methacrylonitrile	7.332	41	150	2.705	ug/l #	1
76) 1,2,3-Trichloropropane	12.477	75	44936	65.649	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44936	137.135	ug/l #	7

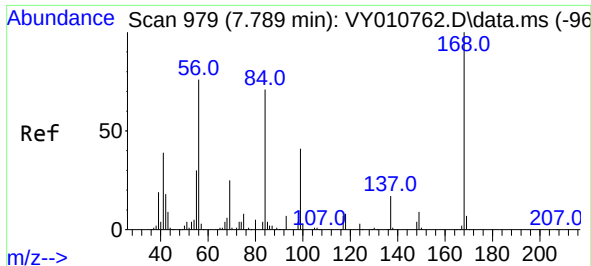
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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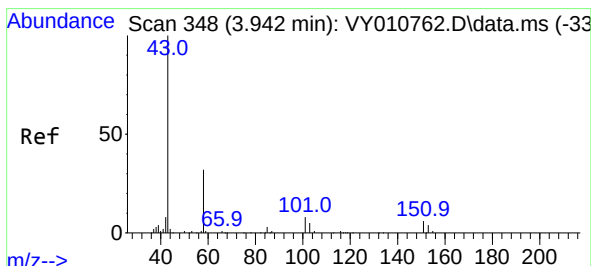
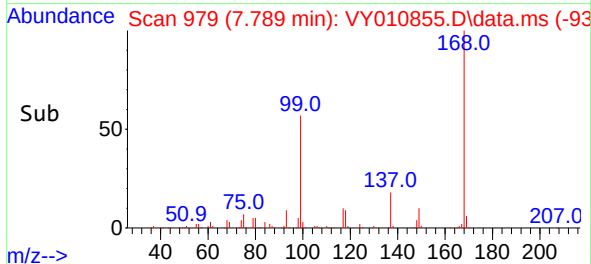
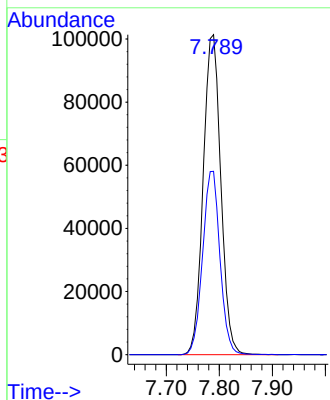
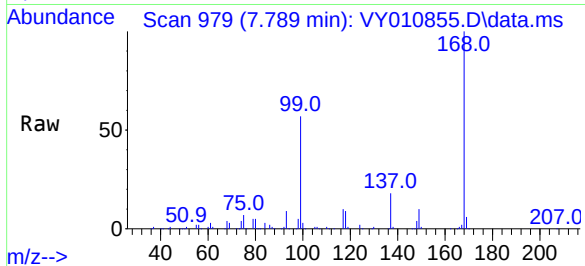




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

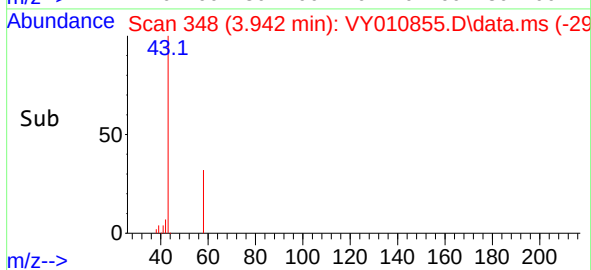
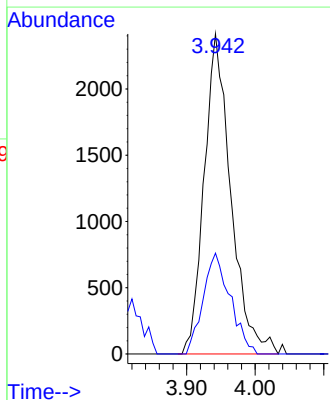
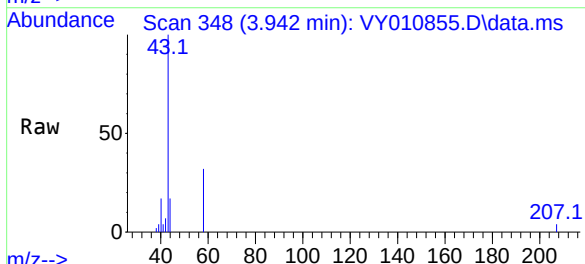
Instrument :
MSVOA_Y
ClientSampleId :
D22020-18RE

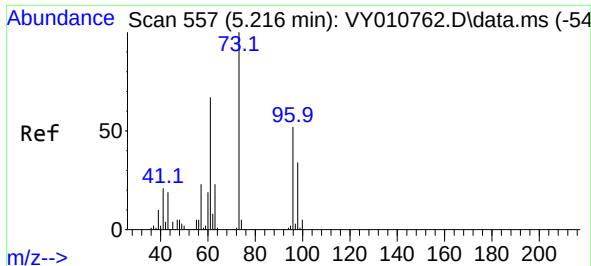
Tgt Ion:168 Resp: 233545
Ion Ratio Lower Upper
168 100
99 57.3 46.9 70.3



#16
Acetone
Concen: 10.891 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

Tgt Ion: 43 Resp: 6548
Ion Ratio Lower Upper
43 100
58 31.5 22.0 33.0

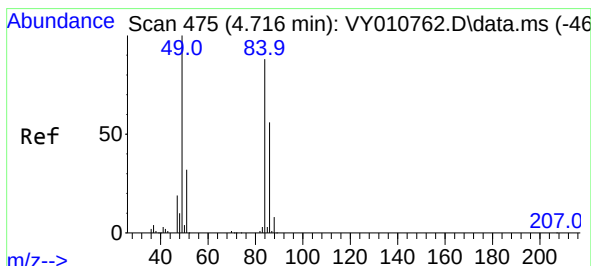
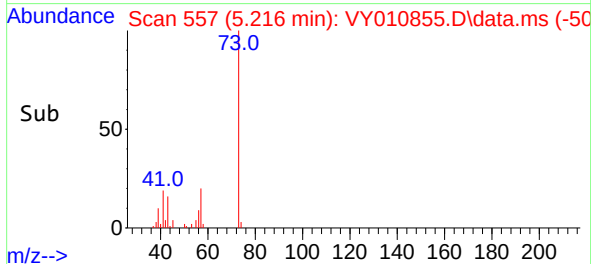
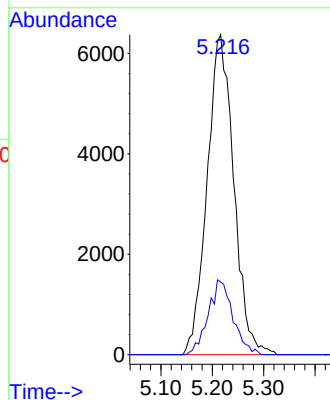
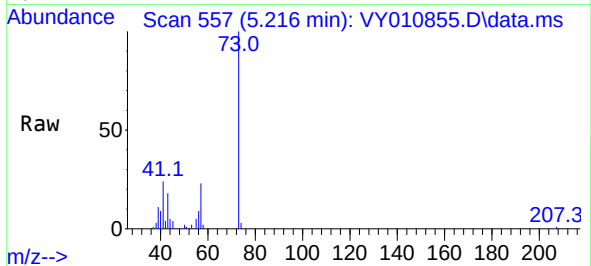




#19
Methyl tert-butyl Ether
Concen: 3.976 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

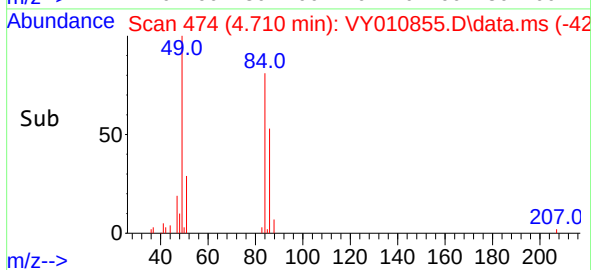
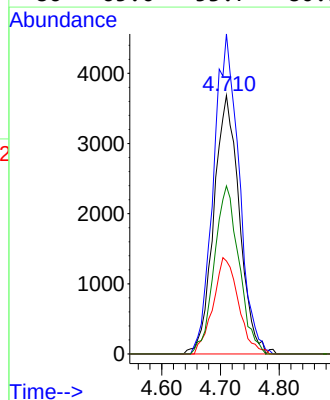
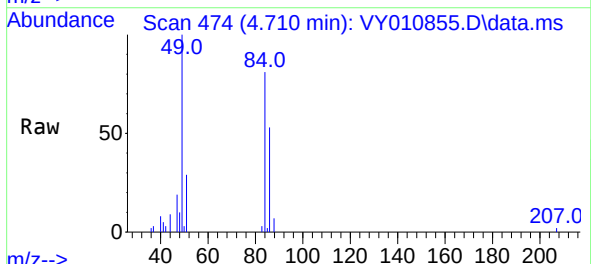
Instrument :
MSVOA_Y
ClientSampleId :
D22020-18RE

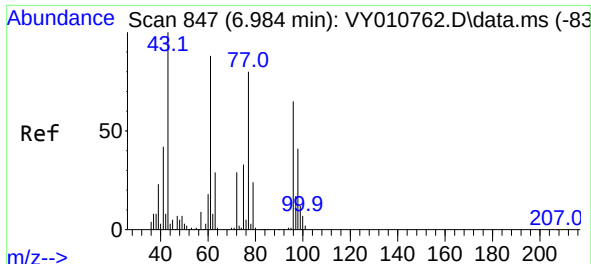
Tgt Ion: 73 Resp: 22982
Ion Ratio Lower Upper
73 100
57 22.7 18.6 27.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

Tgt Ion: 84 Resp: 11115
Ion Ratio Lower Upper
84 100
49 123.8 114.4 171.6
51 36.0 35.3 52.9
86 65.0 53.7 80.5





#25

2-Butanone

Concen: 2.214 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY010855.D

Acq: 06 Oct 2022 19:08

Instrument :

MSVOA_Y

ClientSampleId :

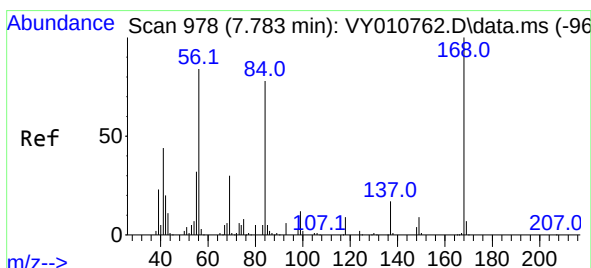
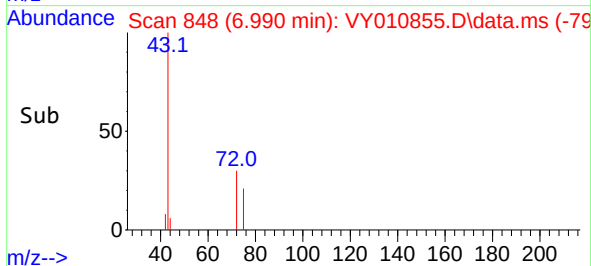
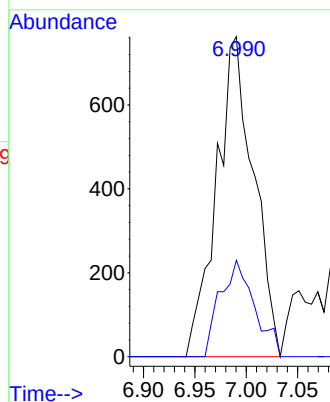
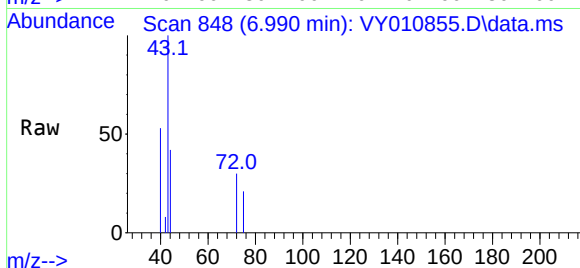
D22020-18RE

Tgt Ion: 43 Resp: 1914

Ion Ratio Lower Upper

43 100

72 30.1 17.7 26.5#



#31

Cyclohexane

Concen: 1.189 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY010855.D

Acq: 06 Oct 2022 19:08

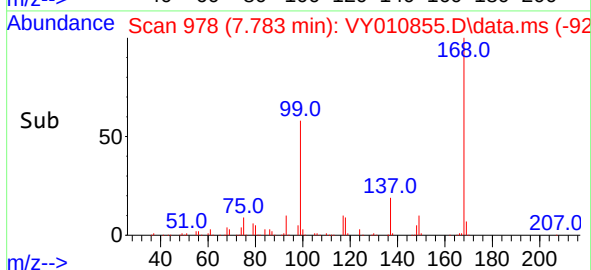
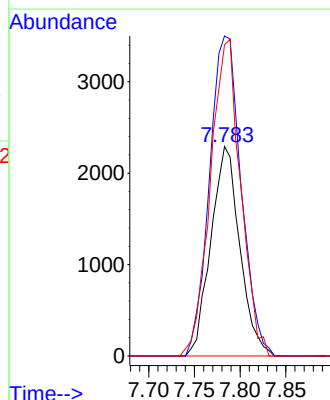
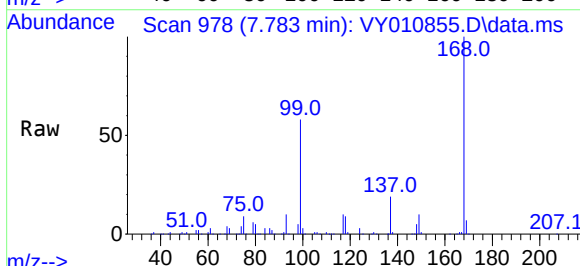
Tgt Ion: 56 Resp: 5040

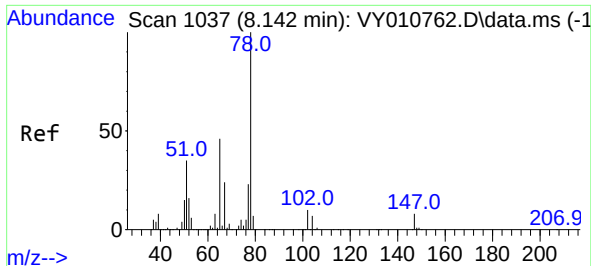
Ion Ratio Lower Upper

56 100

69 152.8 26.7 40.1#

84 148.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.071 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY010855.D

Acq: 06 Oct 2022 19:08

Instrument :

MSVOA_Y

ClientSampleId :

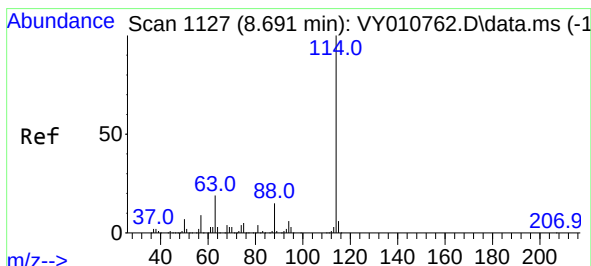
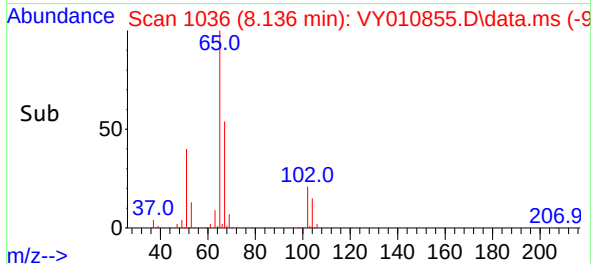
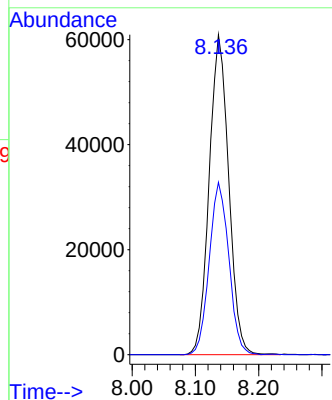
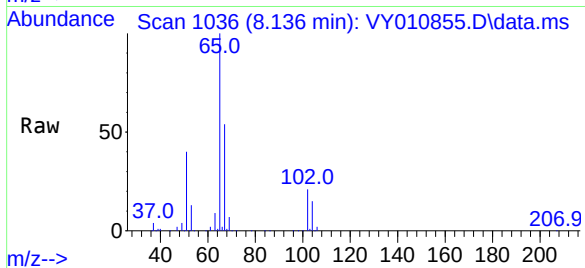
D22020-18RE

Tgt Ion: 65 Resp: 130367

Ion Ratio Lower Upper

65 100

67 54.1 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: VY010855.D

Acq: 06 Oct 2022 19:08

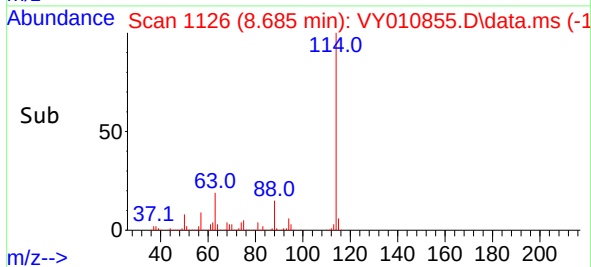
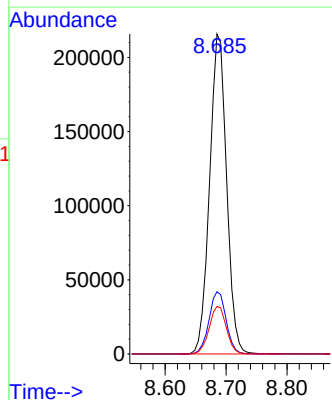
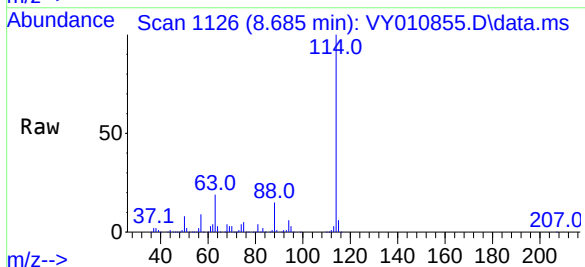
Tgt Ion: 114 Resp: 417494

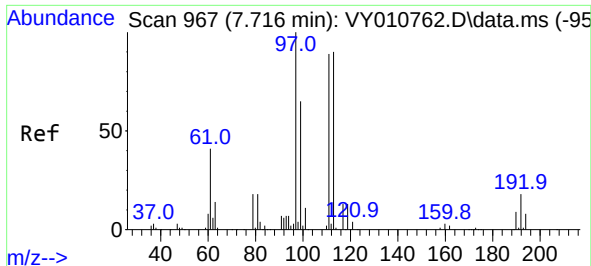
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 14.9 0.0 31.8

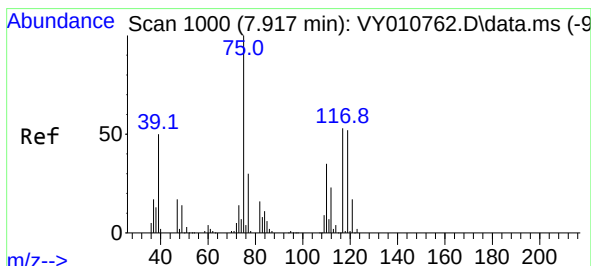
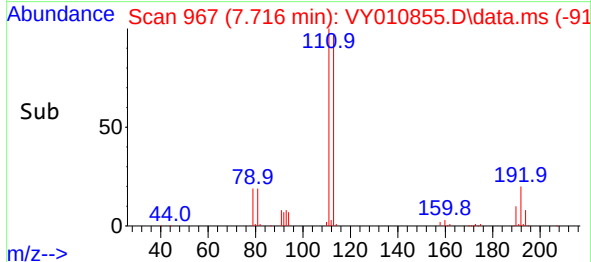
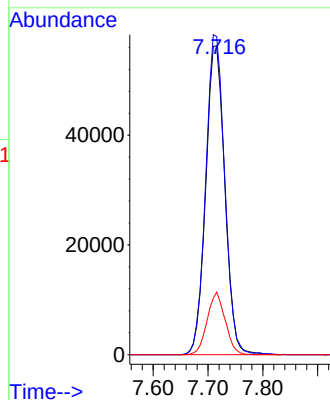
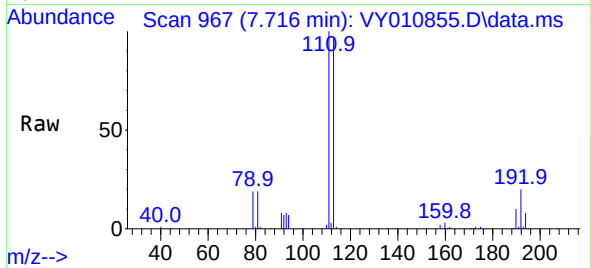




#35
Dibromofluoromethane
Concen: 49.110 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

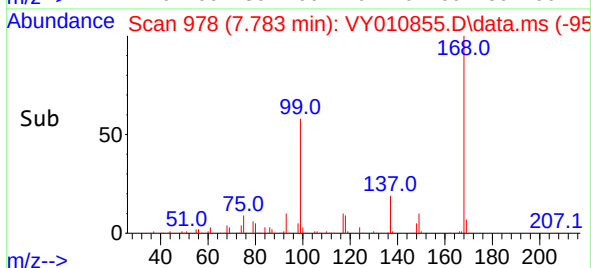
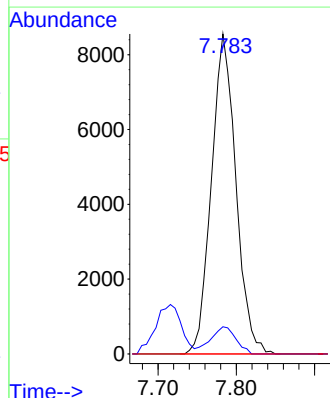
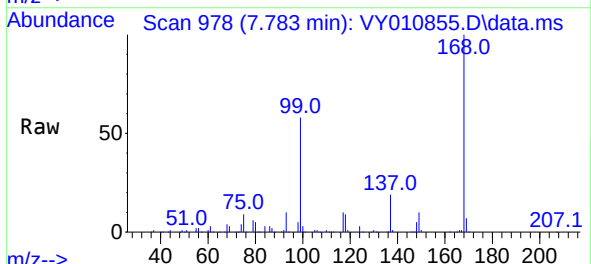
Instrument :
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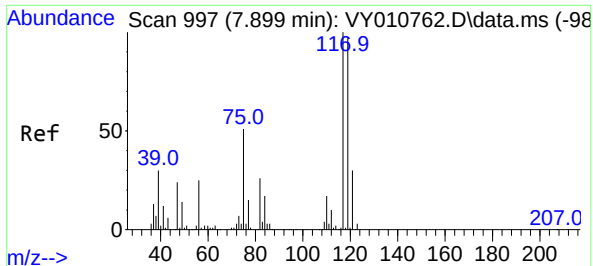
Tgt Ion:113 Resp: 136102
Ion Ratio Lower Upper
113 100
111 103.1 82.6 124.0
192 19.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.639 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

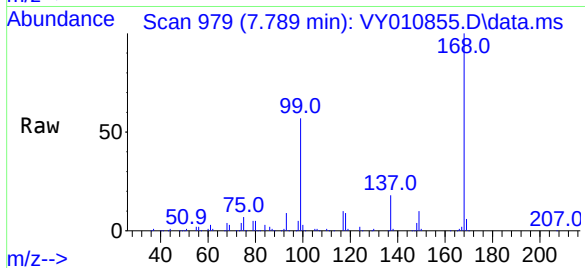
Tgt Ion: 75 Resp: 18558
Ion Ratio Lower Upper
75 100
110 8.8 17.1 51.2#
77 0.0 24.4 36.6#



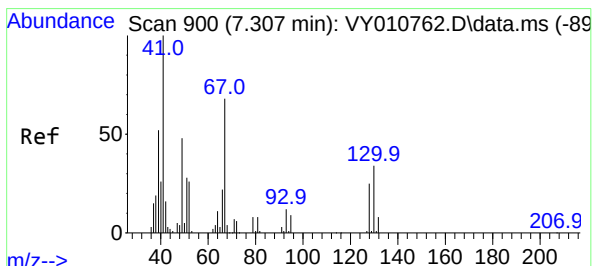
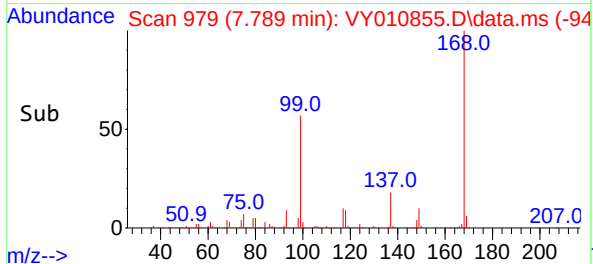
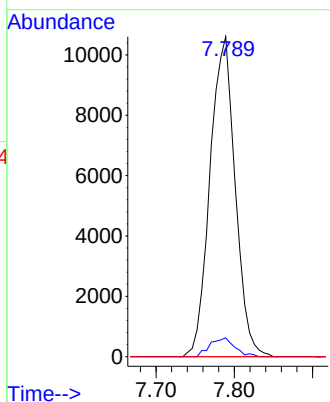


#38
Carbon Tetrachloride
Concen: 5.687 ug/l
RT: 7.789 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY010855.D
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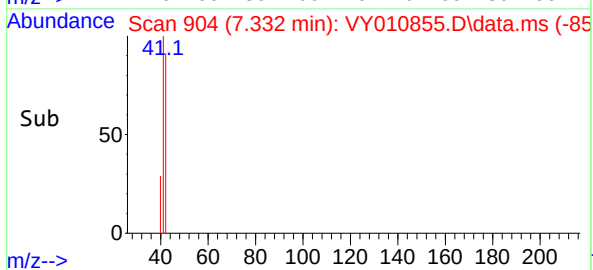
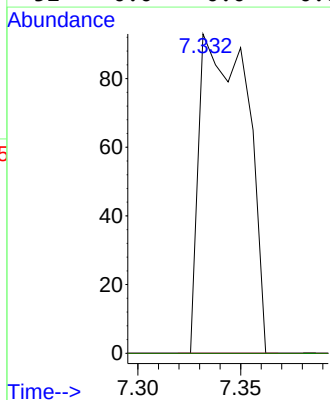
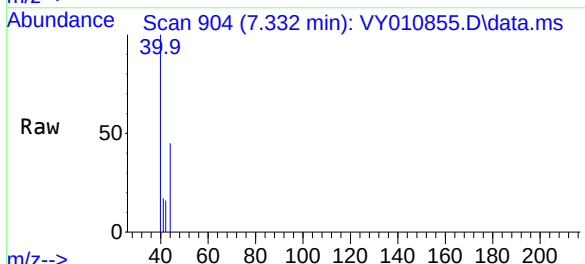


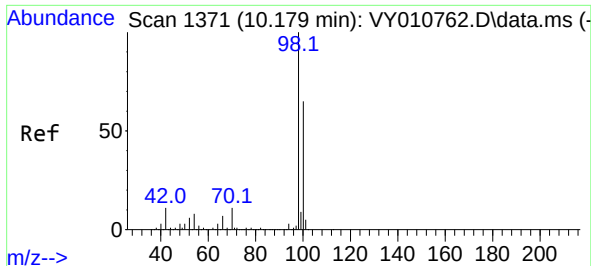
Tgt Ion: 117 Resp: 23696
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.705 ug/l
RT: 7.332 min Scan# 904
Delta R.T. 0.025 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

Tgt Ion: 41 Resp: 150
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

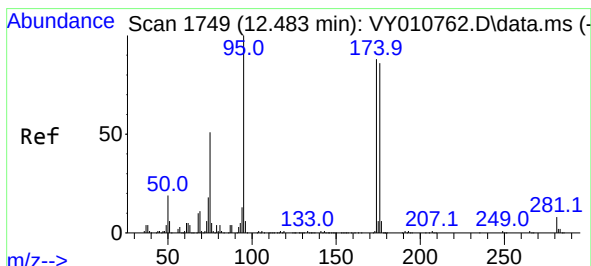
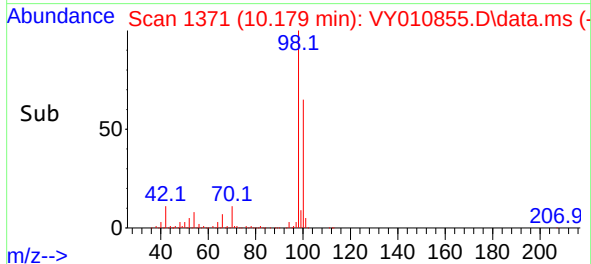
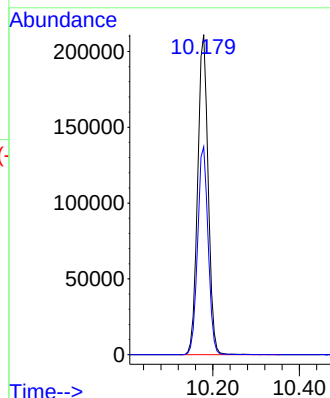
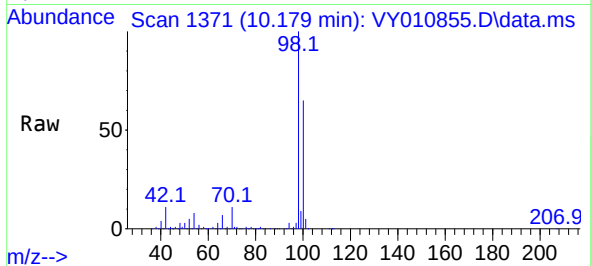




#50
Toluene-d8
Concen: 37.362 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

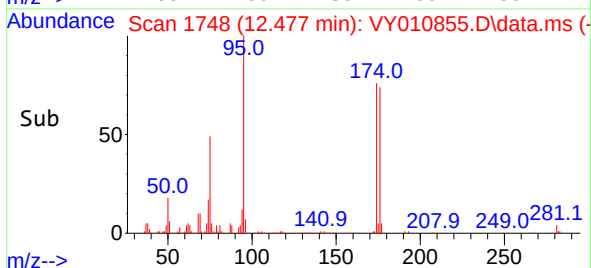
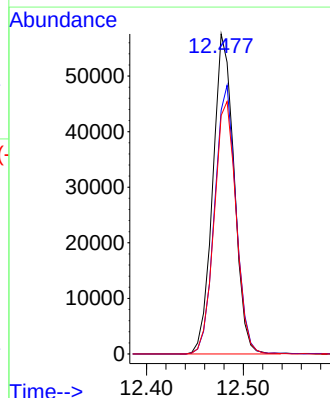
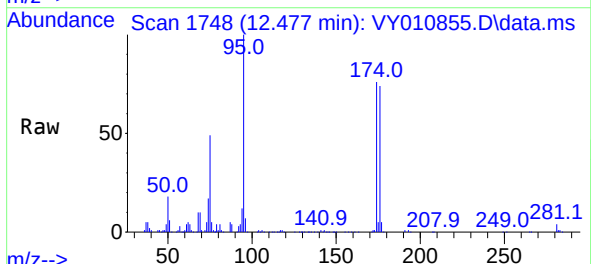
Instrument :
MSVOA_Y
ClientSampleId :
D22020-18RE

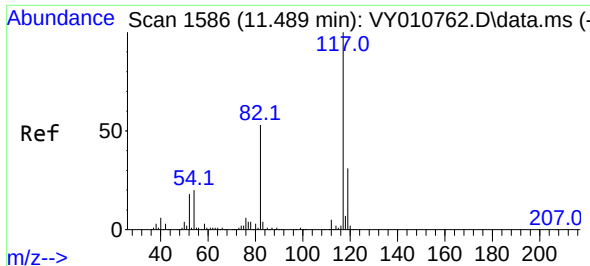
Tgt Ion: 98 Resp: 354102
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 21.661 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

Tgt Ion: 95 Resp: 87929
Ion Ratio Lower Upper
95 100
174 83.9 0.0 177.0
176 81.2 0.0 175.8

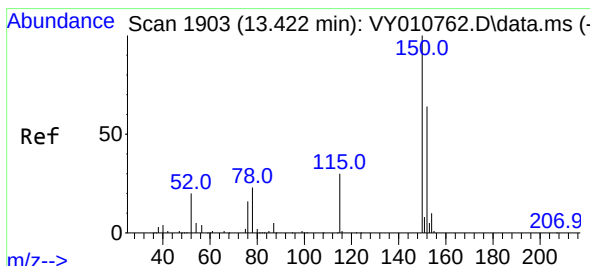
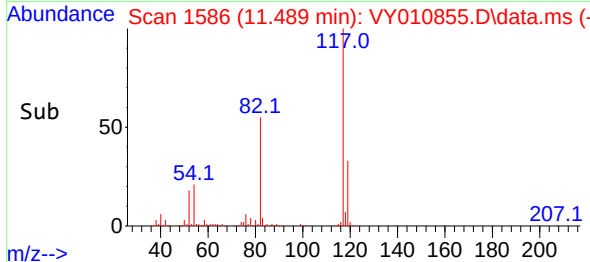
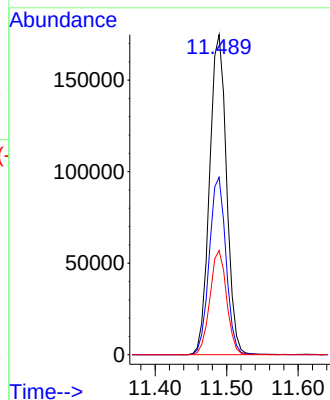
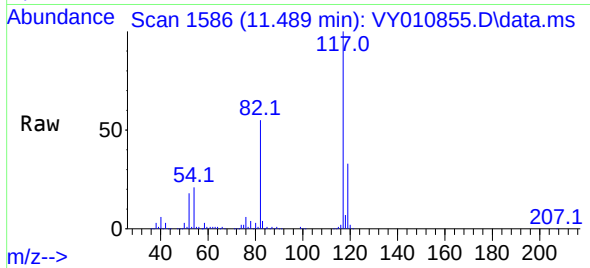




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

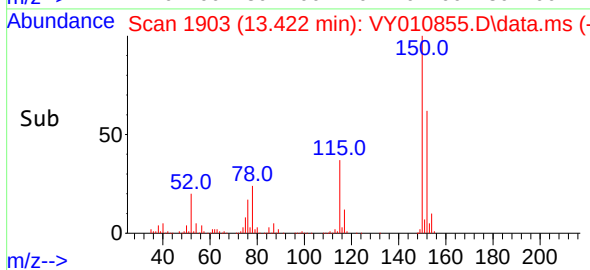
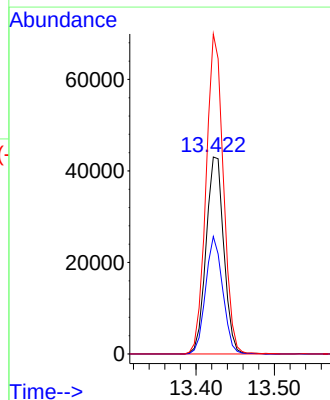
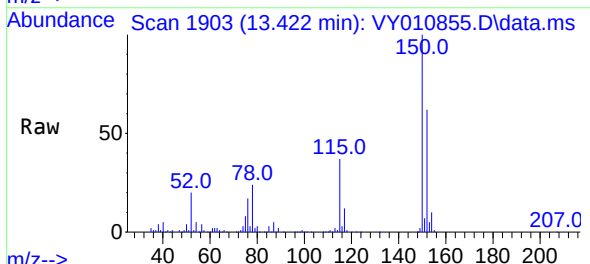
Instrument :
MSVOA_Y
ClientSampleId :
D22020-18RE

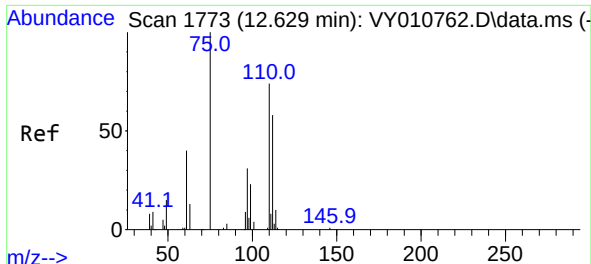
Tgt Ion:117 Resp: 288352
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

Tgt Ion:152 Resp: 67591
Ion Ratio Lower Upper
152 100
115 57.4 28.2 84.7
150 158.2 0.0 347.6

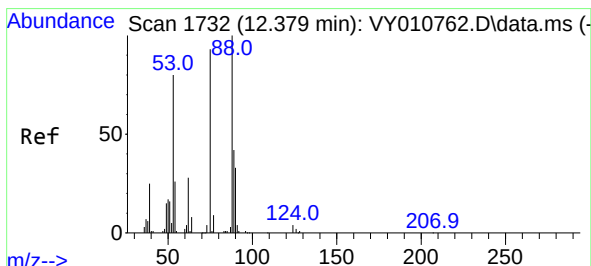
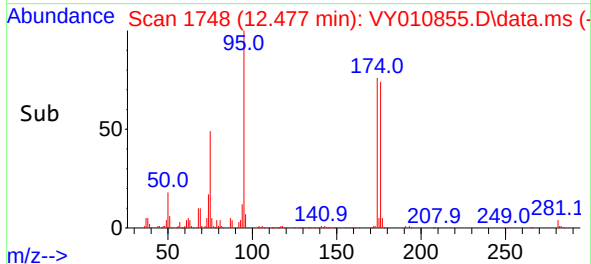
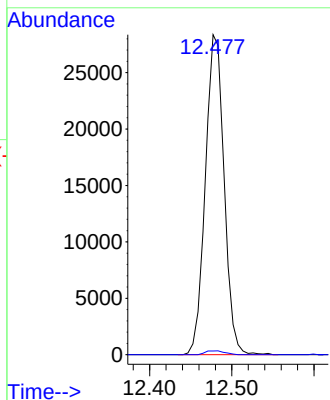
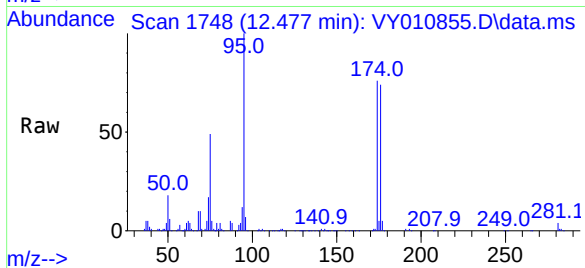




#76
1,2,3-Trichloropropane
Concen: 65.649 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

Instrument :
MSVOA_Y
ClientSampleId :
D22020-18RE

Tgt Ion: 75 Resp: 44936
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 137.135 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010855.D
Acq: 06 Oct 2022 19:08

Tgt Ion: 75 Resp: 44936
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

