

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100622\
 Data File : VY010844.D
 Acq On : 06 Oct 2022 14:59
 Operator : KP/MD
 Sample : N4988-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-5-100422

Quant Time: Oct 07 02:29:32 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)

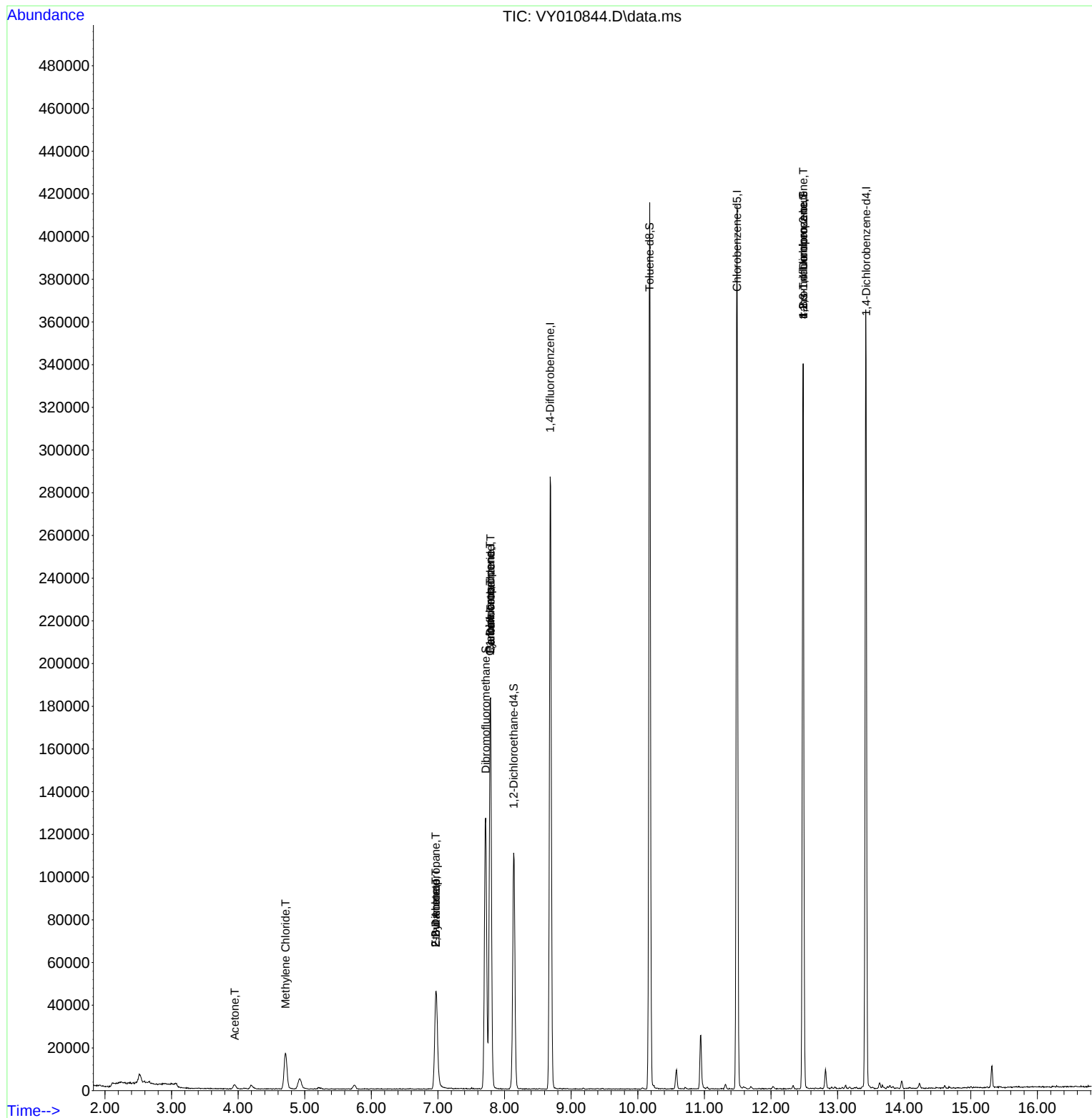
Internal Standards						
1) Pentafluorobenzene	7.789	168	143640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	247820	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	220311	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	85807	58.935	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.860%
35) Dibromofluoromethane	7.716	113	92570	56.272	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.540%
50) Toluene-d8	10.179	98	268444	47.716	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.440%
62) 4-Bromofluorobenzene	12.483	95	100247	45.261	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	5498	Below Cal	#	77
16) Acetone	3.948	43	3432	9.281	ug/l #	86
20) Methylene Chloride	4.710	84	12952	3.096	ug/l #	79
25) 2-Butanone	6.966	43	2986	5.617	ug/l #	88
26) 2,2-Dichloropropane	6.966	77	3778	1.466	ug/l #	55
31) Cyclohexane	7.783	56	3146	1.207	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	11995	5.051	ug/l #	50
37) Ethyl Acetate	6.966	43	2986	2.562	ug/l #	1
38) Carbon Tetrachloride	7.789	117	13886	5.614	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	51618	53.670	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51618	112.111	ug/l #	7

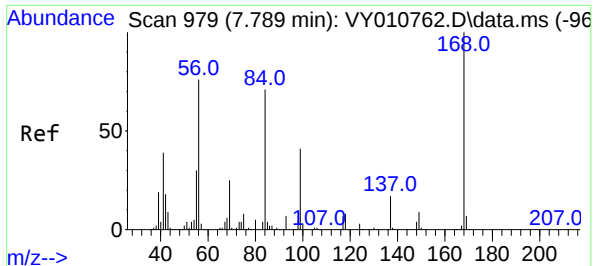
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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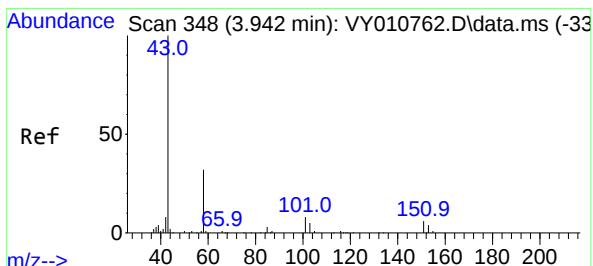
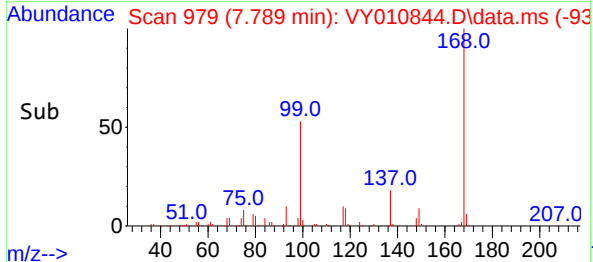
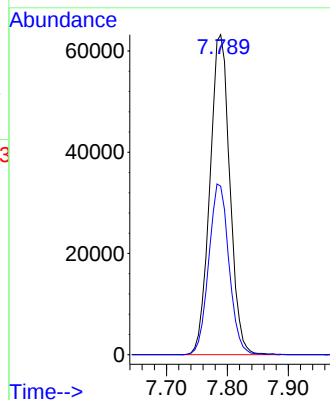
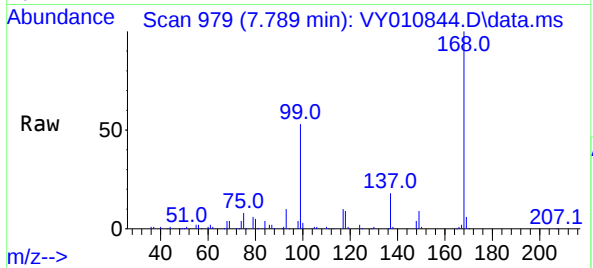




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

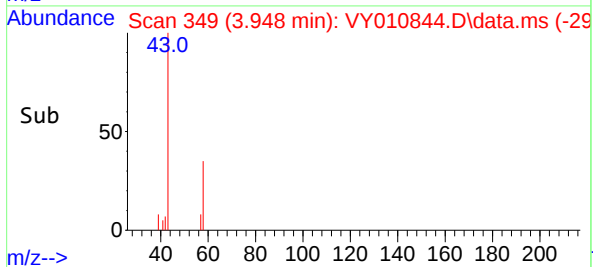
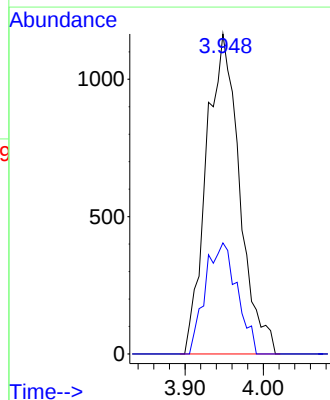
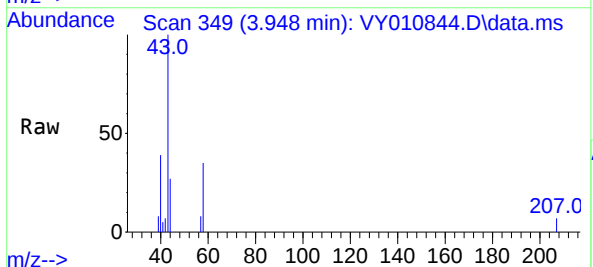
Instrument :
MSVOA_Y
ClientSampleId :
AU-5-100422

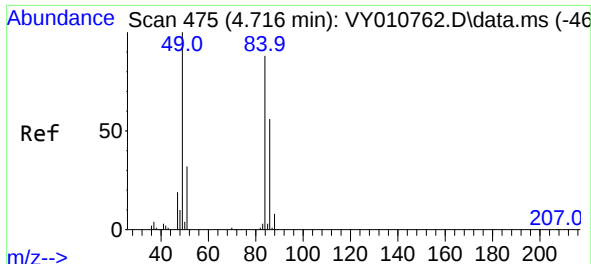
Tgt Ion:168 Resp: 143640
Ion Ratio Lower Upper
168 100
99 52.7 46.9 70.3



#16
Acetone
Concen: 9.281 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

Tgt Ion: 43 Resp: 3432
Ion Ratio Lower Upper
43 100
58 34.7 22.0 33.0#





#20

Methylene Chloride

Concen: 3.096 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY010844.D

Acq: 06 Oct 2022 14:59

Instrument :

MSVOA_Y

ClientSampleId :

AU-5-100422

Tgt Ion: 84 Resp: 12952

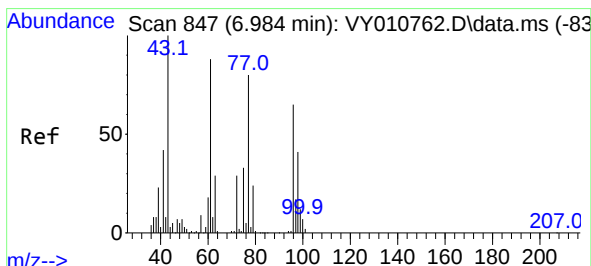
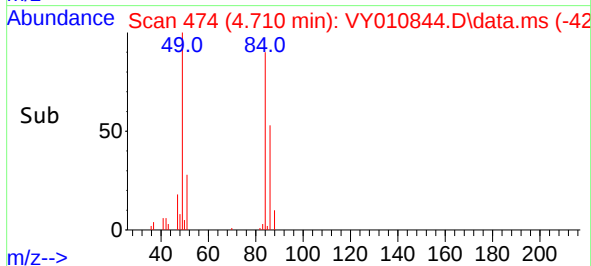
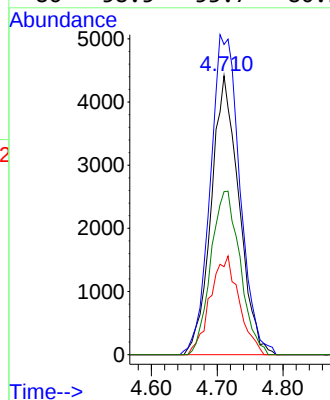
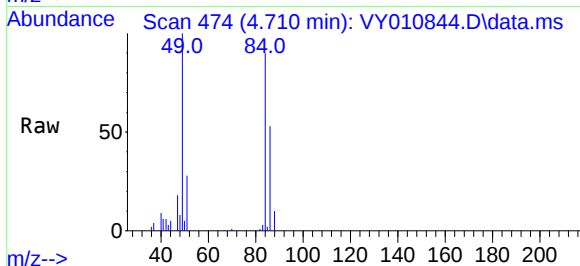
Ion Ratio Lower Upper

84 100

49 111.3 114.4 171.6#

51 31.6 35.3 52.9#

86 58.5 53.7 80.5



#25

2-Butanone

Concen: 5.617 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY010844.D

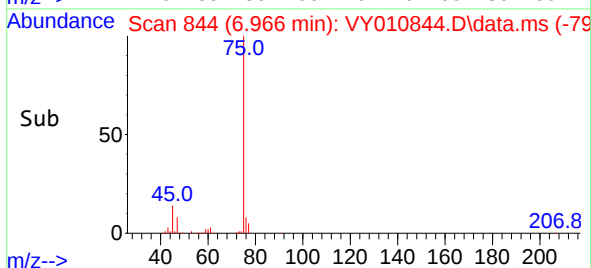
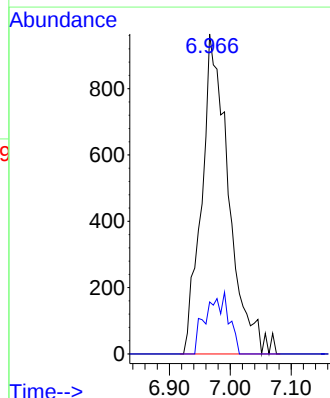
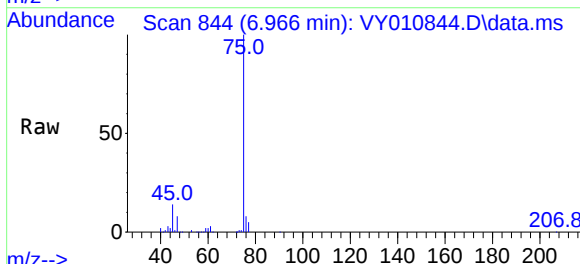
Acq: 06 Oct 2022 14:59

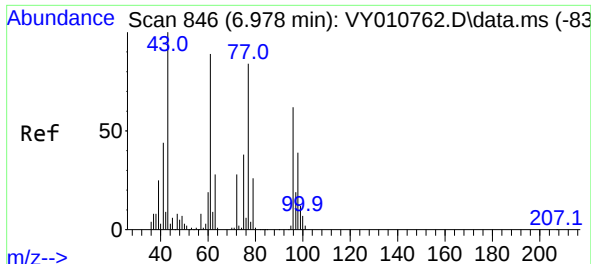
Tgt Ion: 43 Resp: 2986

Ion Ratio Lower Upper

43 100

72 16.3 17.7 26.5#

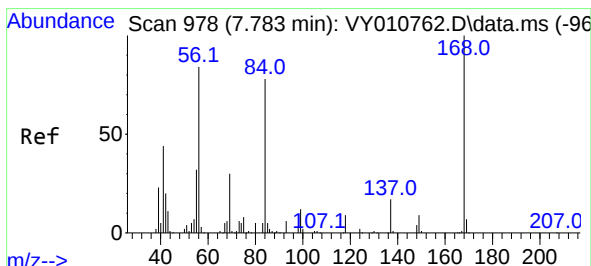
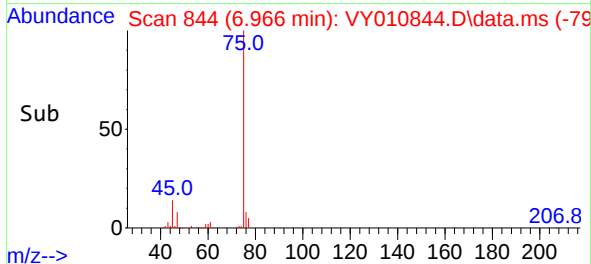
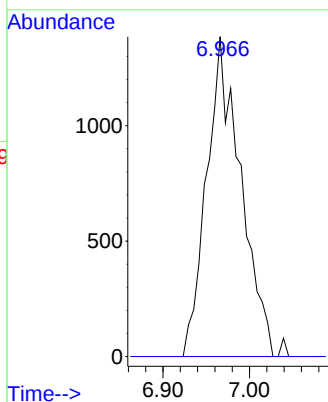
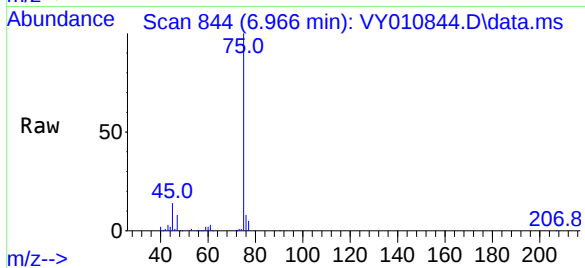




#26
2,2-Dichloropropane
Concen: 1.466 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

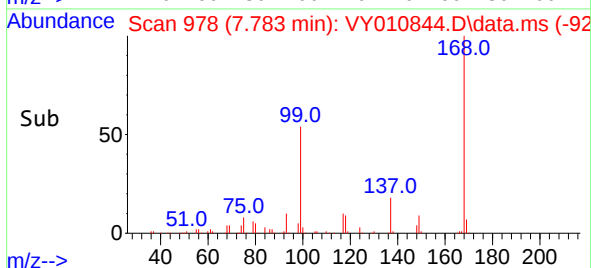
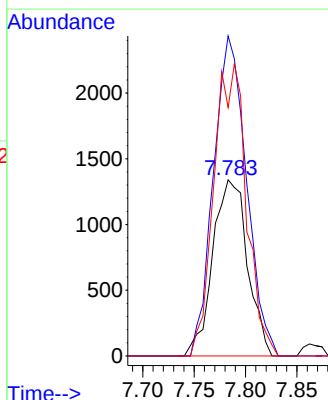
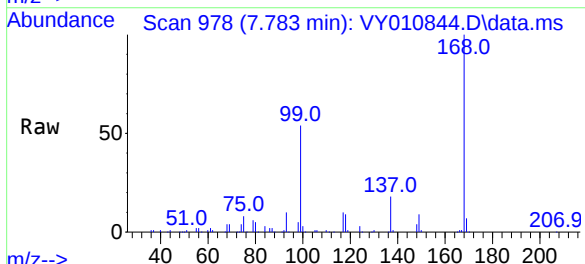
Instrument :
MSVOA_Y
ClientSampleId :
AU-5-100422

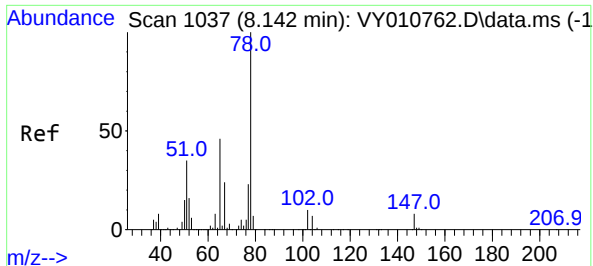
Tgt Ion: 77 Resp: 3778
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: 1.207 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

Tgt Ion: 56 Resp: 3146
Ion Ratio Lower Upper
56 100
69 181.6 26.7 40.1#
84 141.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.935 ug/l

RT: 8.137 min Scan# 110

Delta R.T. -0.005 min

Lab File: VY010844.D

Acq: 06 Oct 2022 14:59

Instrument :

MSVOA_Y

ClientSampleId :

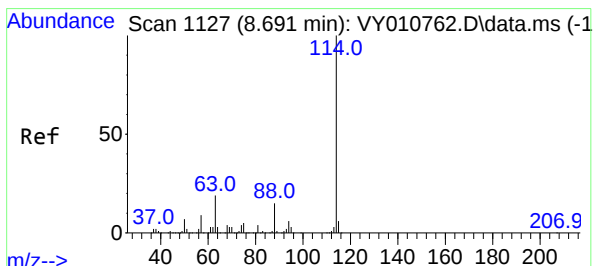
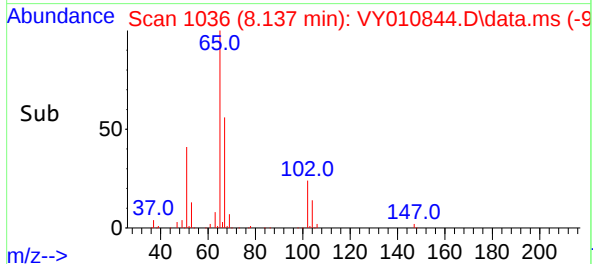
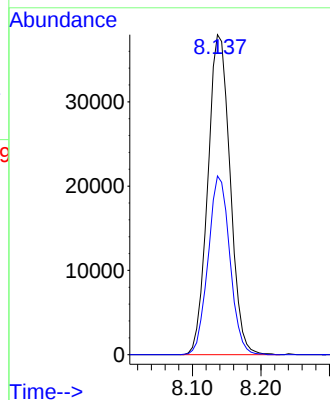
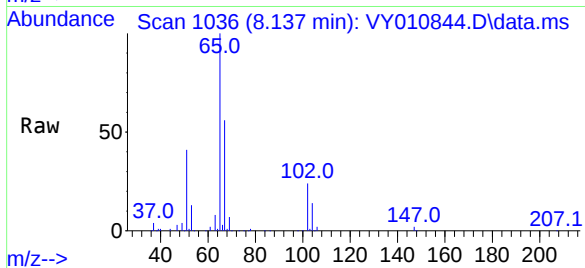
AU-5-100422

Tgt Ion: 65 Resp: 85807

Ion Ratio Lower Upper

65 100

67 54.4 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: VY010844.D

Acq: 06 Oct 2022 14:59

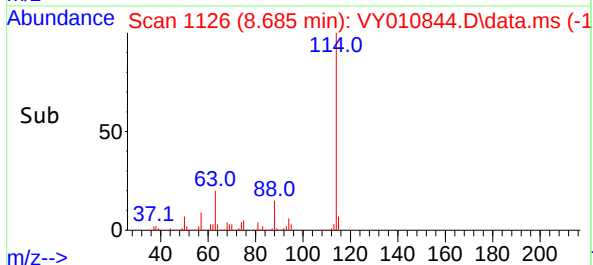
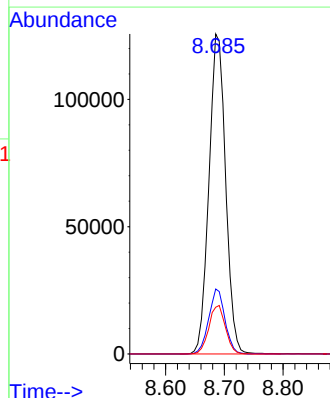
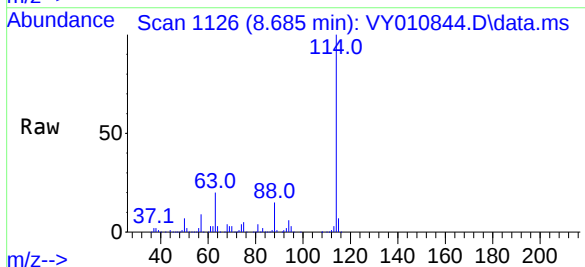
Tgt Ion: 114 Resp: 247820

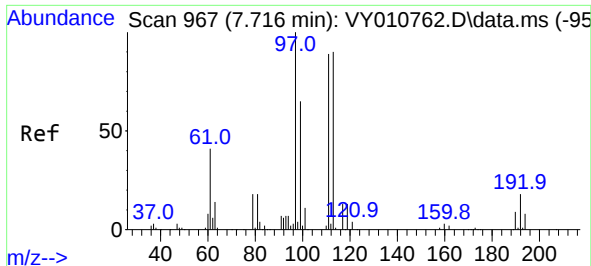
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 14.6 0.0 31.8

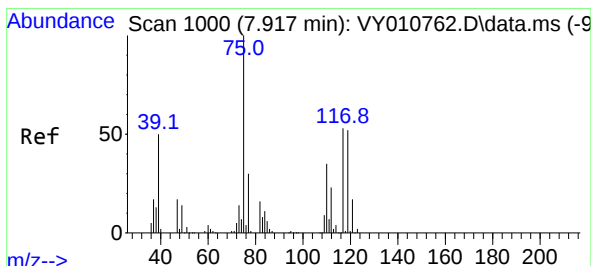
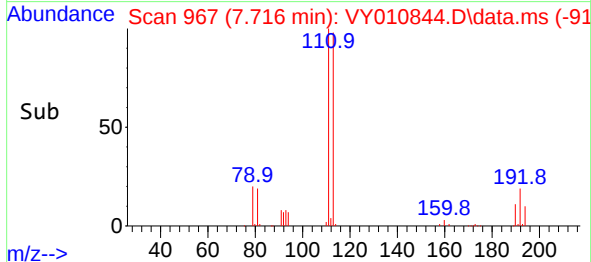
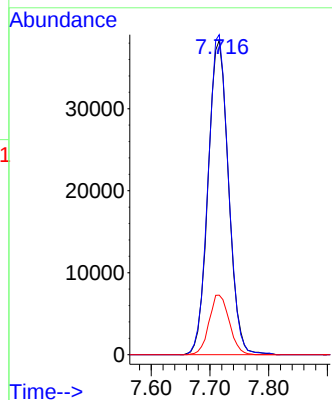
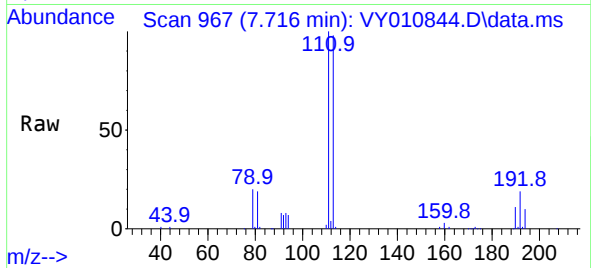




#35
Dibromofluoromethane
Concen: 56.272 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

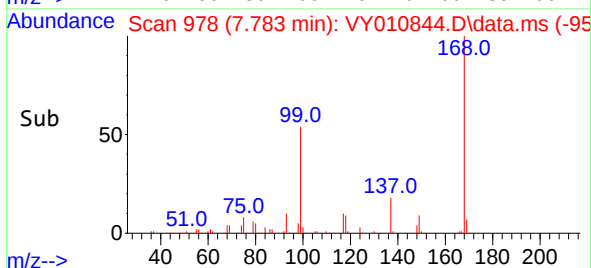
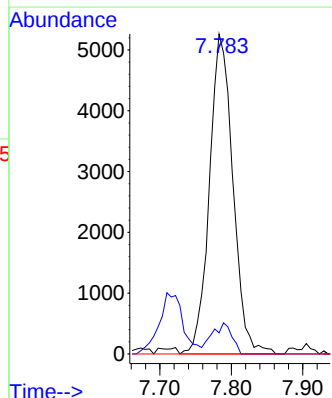
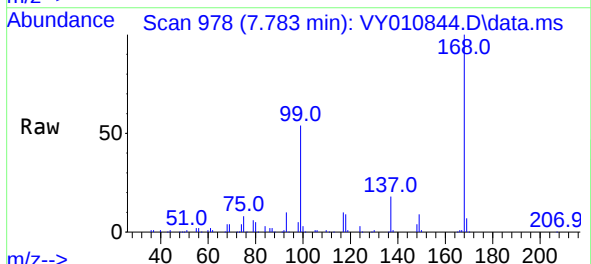
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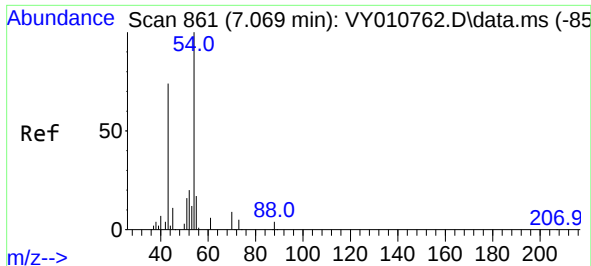
Tgt Ion:113 Resp: 92570
Ion Ratio Lower Upper
113 100
111 101.4 82.6 124.0
192 18.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.051 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

Tgt Ion: 75 Resp: 11995
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.562 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY010844.D

Acq: 06 Oct 2022 14:59

Instrument :

MSVOA_Y

ClientSampleId :

AU-5-100422

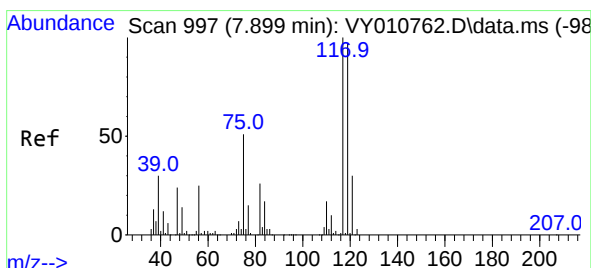
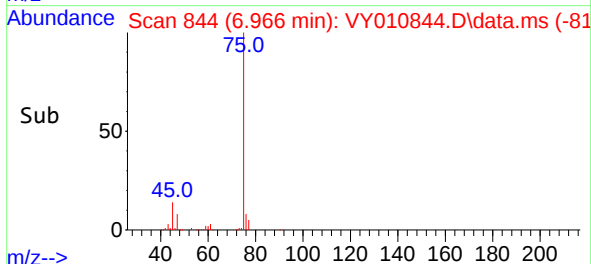
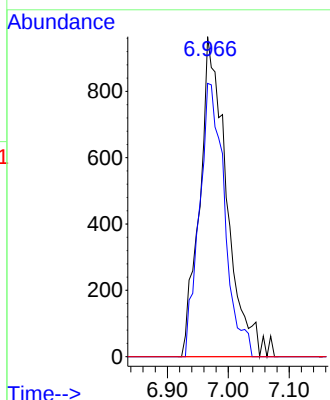
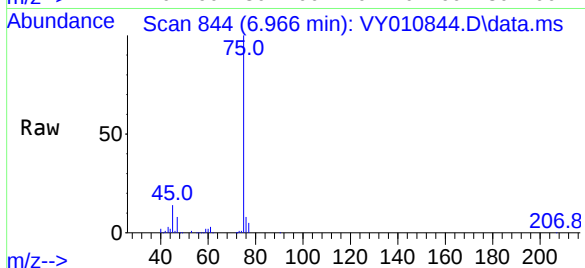
Tgt Ion: 43 Resp: 2986

Ion Ratio Lower Upper

43 100

61 78.8 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.614 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY010844.D

Acq: 06 Oct 2022 14:59

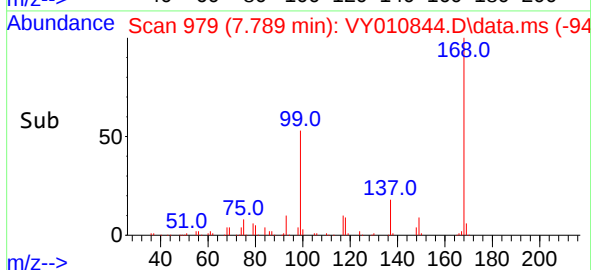
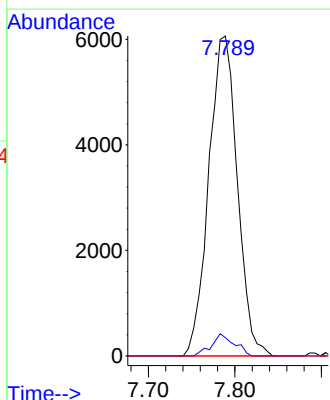
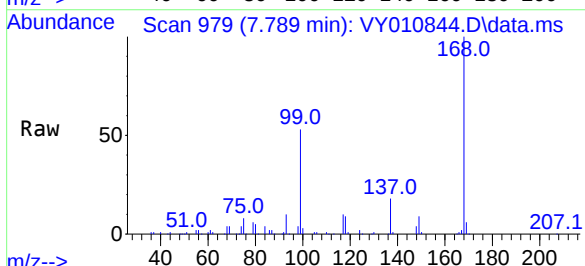
Tgt Ion: 117 Resp: 13886

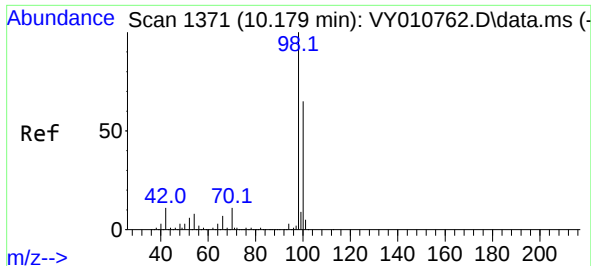
Ion Ratio Lower Upper

117 100

119 5.7 77.9 116.9#

121 0.0 24.8 37.2#

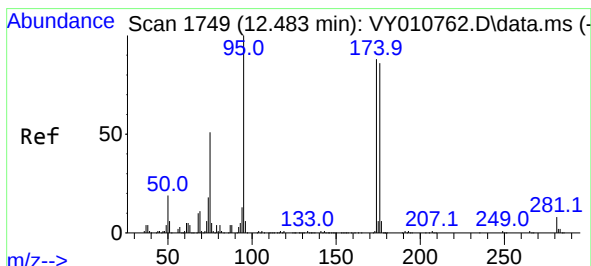
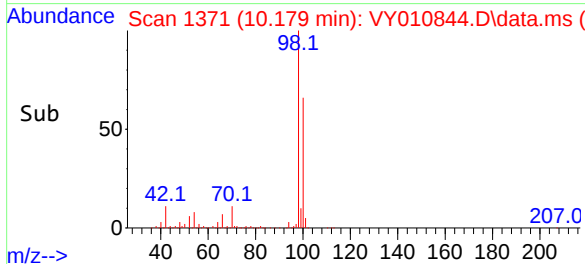
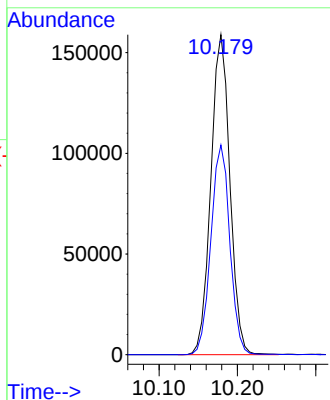
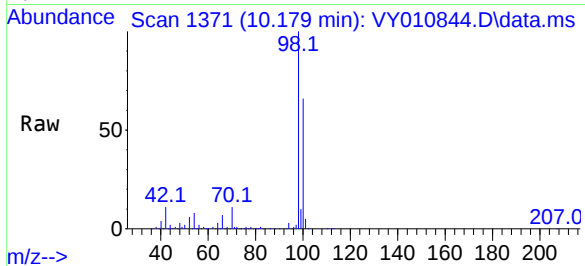




#50
Toluene-d8
Concen: 47.716 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

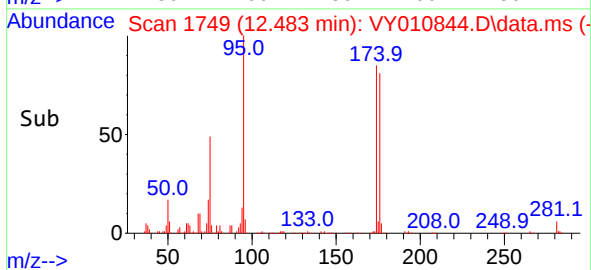
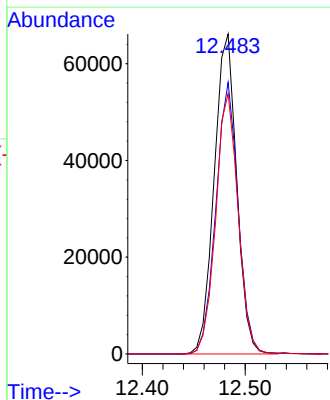
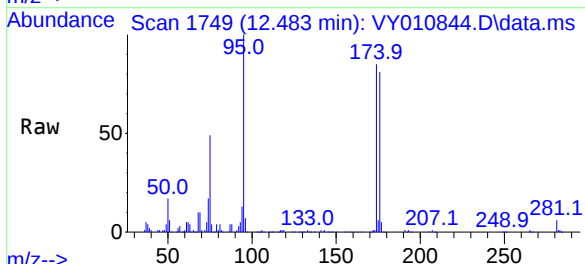
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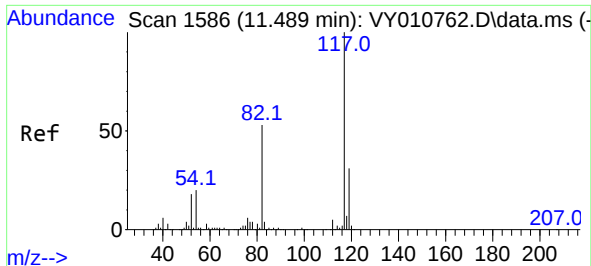
Tgt Ion: 98 Resp: 268444
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.261 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

Tgt Ion: 95 Resp: 100247
Ion Ratio Lower Upper
95 100
174 84.1 0.0 177.0
176 80.9 0.0 175.8

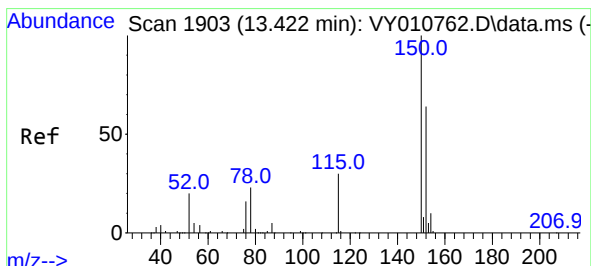
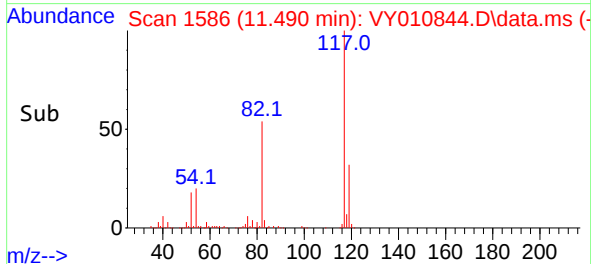
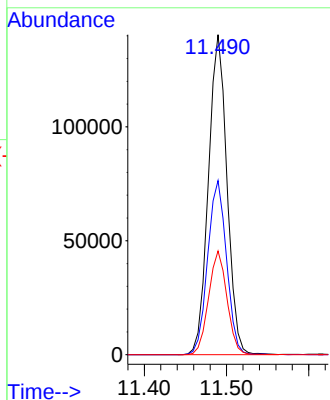
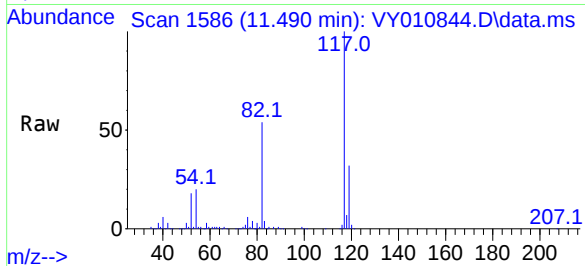




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

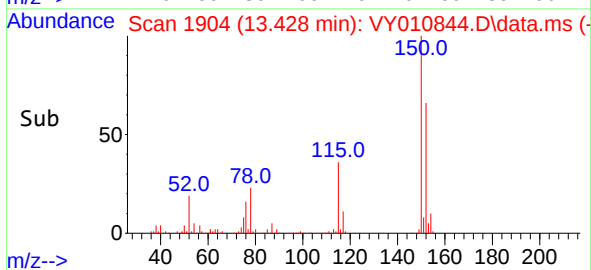
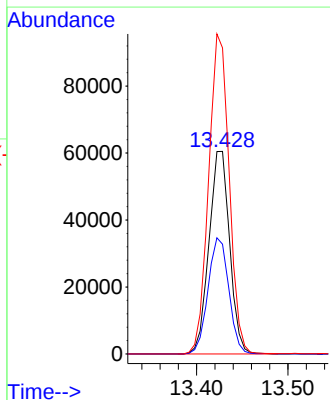
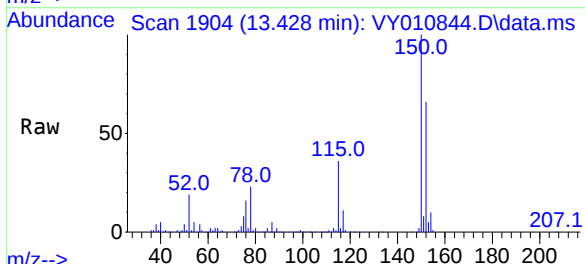
Instrument :
MSVOA_Y
ClientSampleId :
AU-5-100422

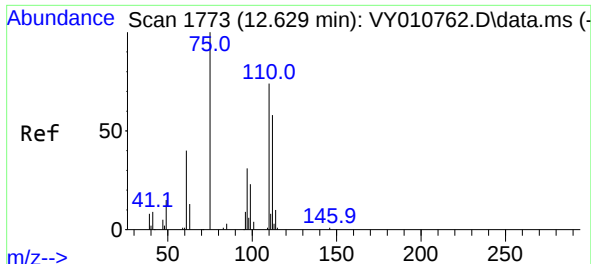
Tgt Ion:117 Resp: 220311
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.4
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

Tgt Ion:152 Resp: 94972
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 156.6 0.0 347.6

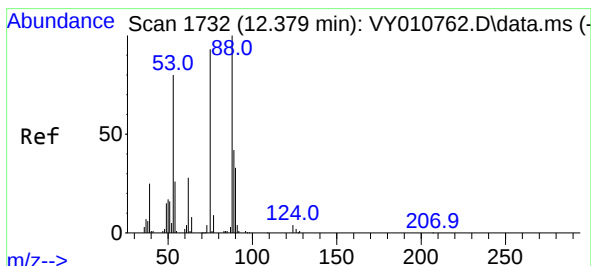
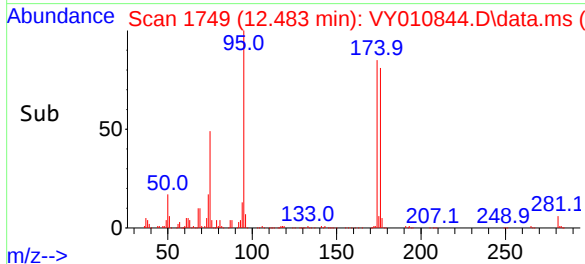
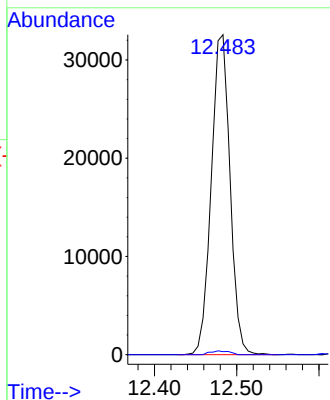
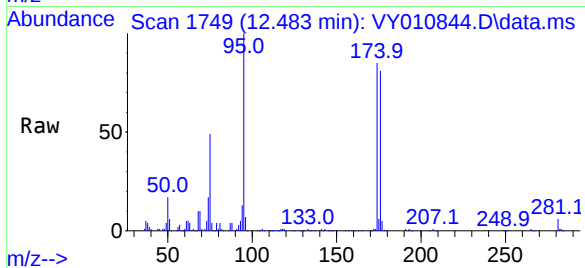




#76
1,2,3-Trichloropropane
Concen: 53.670 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

Instrument :
MSVOA_Y
ClientSampleId :
AU-5-100422

Tgt Ion: 75 Resp: 51618
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.111 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY010844.D
Acq: 06 Oct 2022 14:59

Tgt Ion: 75 Resp: 51618
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

