

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101322\
 Data File : VY010954.D
 Acq On : 13 Oct 2022 13:26
 Operator : KP/MD
 Sample : N5108-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-2-101222

Quant Time: Oct 14 02:10:32 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)

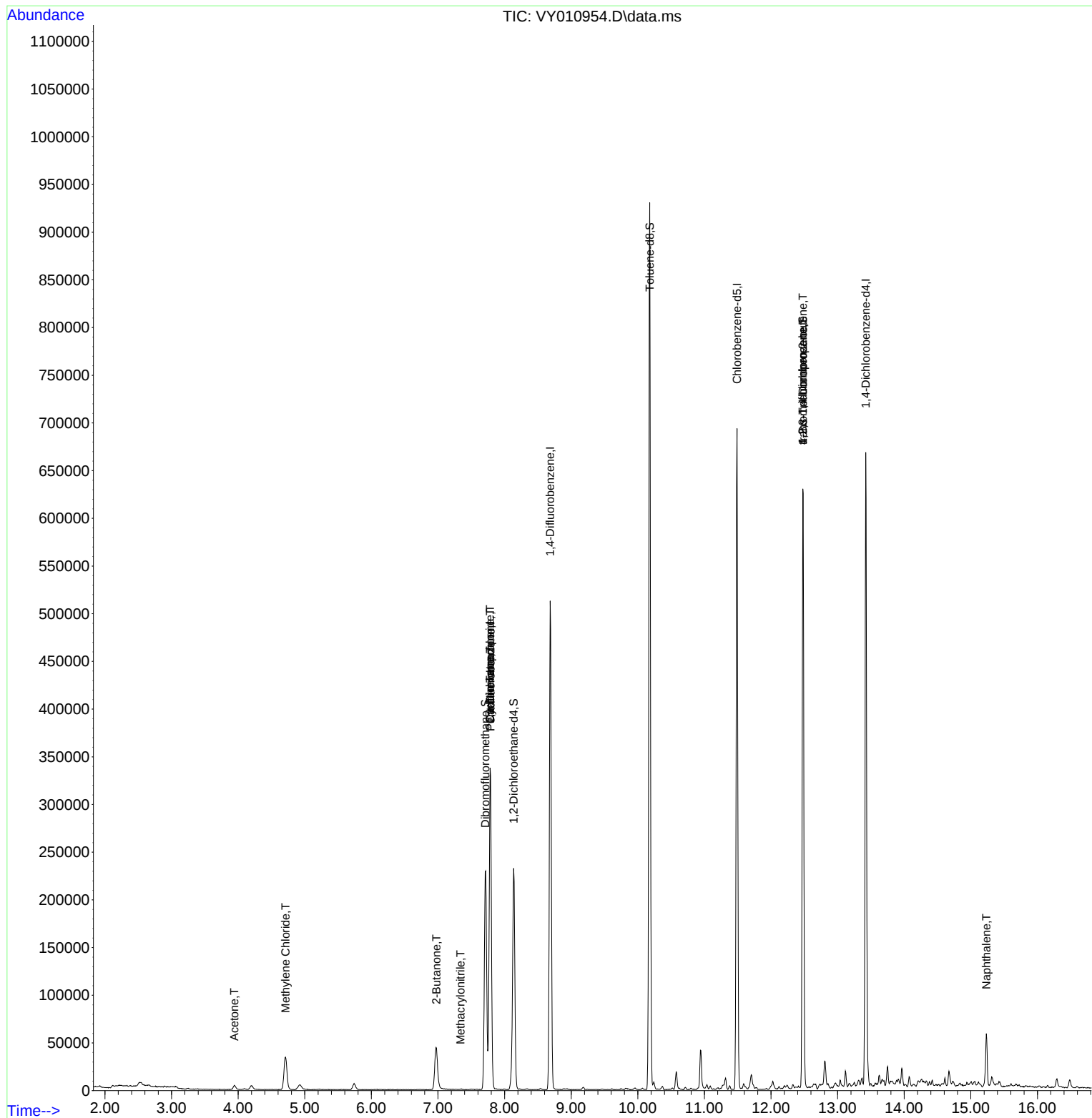
Internal Standards						
1) Pentafluorobenzene	7.789	168	263485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	447144	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	380848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	171033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	168838	63.217	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.440%	
35) Dibromofluoromethane	7.710	113	169975	57.266	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.540%	
50) Toluene-d8	10.179	98	607848	59.882	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 119.760%	
62) 4-Bromofluorobenzene	12.477	95	197619	49.818	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.640%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.930	59	6391	Below Cal	#	77
13) Acrolein	3.723	56	20	Below Cal	#	14
16) Acetone	3.942	43	7594	11.196	ug/l	90
20) Methylene Chloride	4.710	84	27068	4.340	ug/l	85
25) 2-Butanone	6.978	43	3623	3.715	ug/l	92
31) Cyclohexane	7.783	56	5545	1.160	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	21042	4.911	ug/l #	50
38) Carbon Tetrachloride	7.783	117	26202	5.871	ug/l #	16
41) Methacrylonitrile	7.338	41	104	2.661	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	99720	57.574	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	99720	120.267	ug/l #	7
95) Naphthalene	15.233	128	45413	7.958	ug/l	98

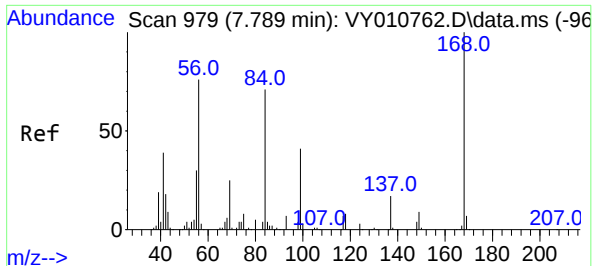
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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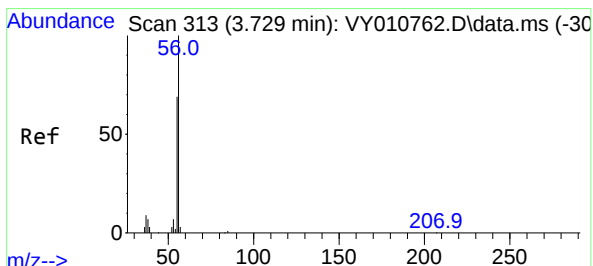
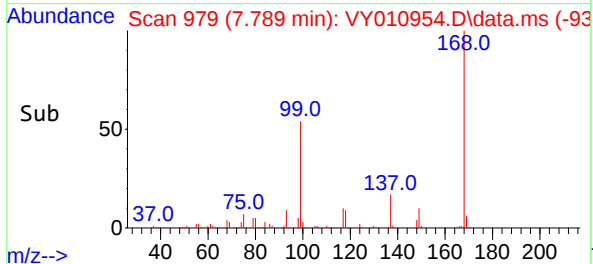
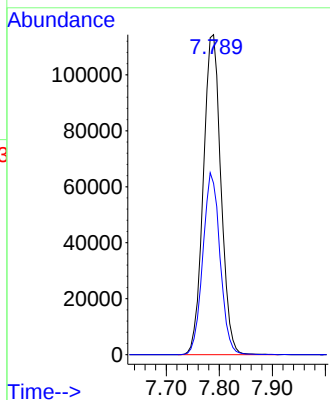
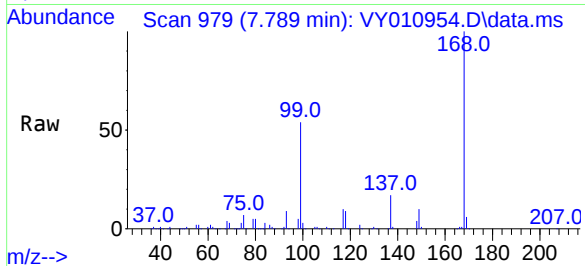




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

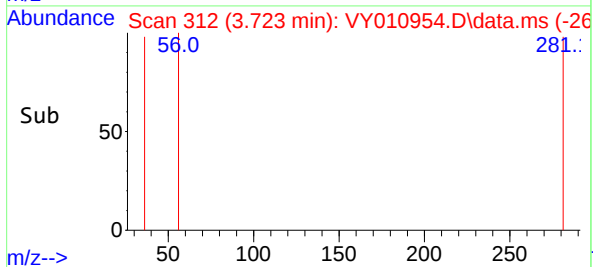
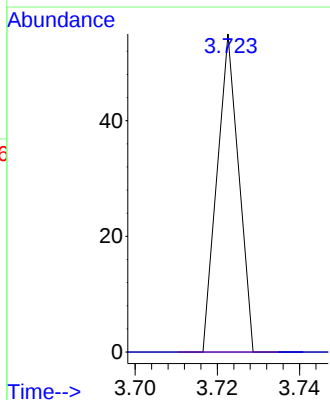
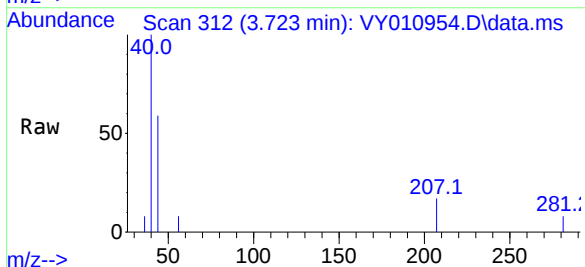
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-101222

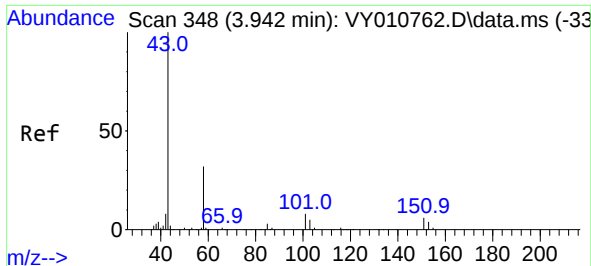
Tgt Ion:168 Resp: 263485
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#

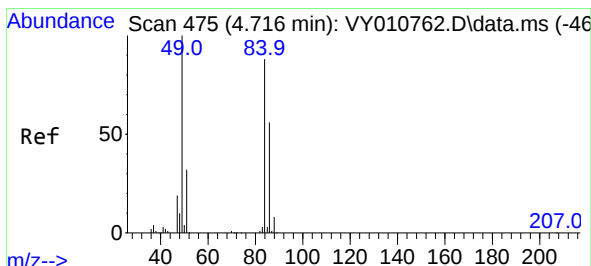
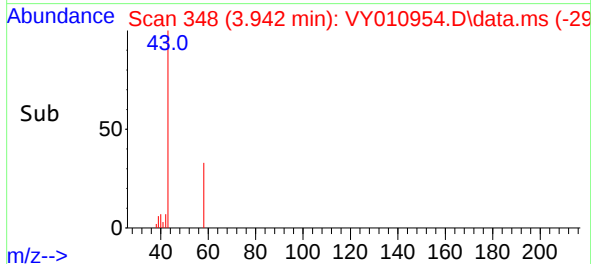
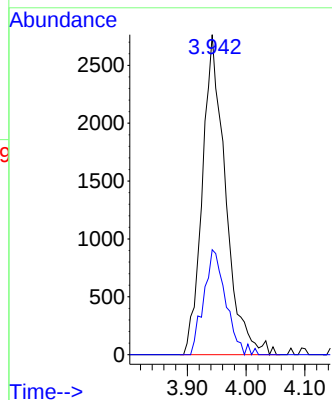
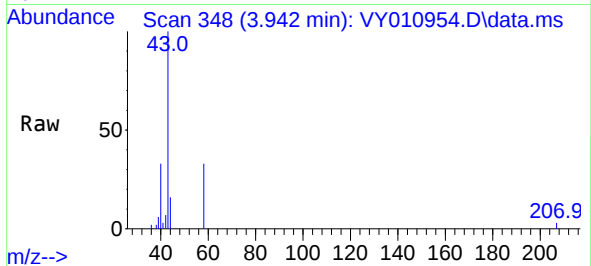




#16
Acetone
Concen: 11.196 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

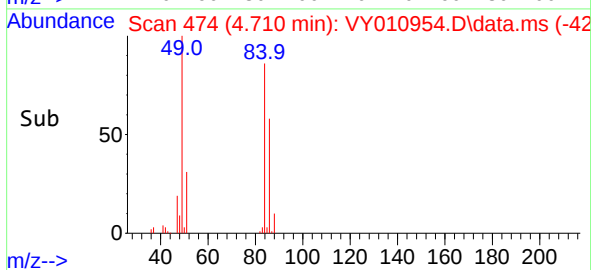
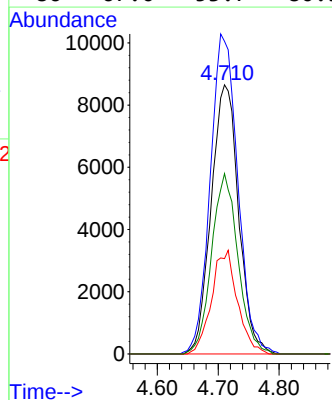
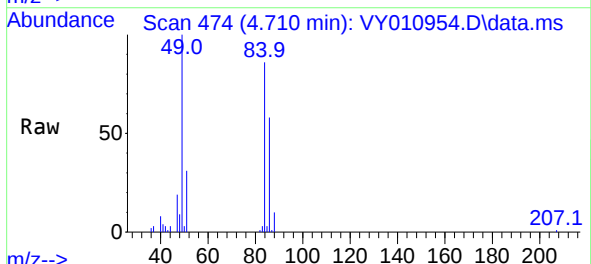
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-101222

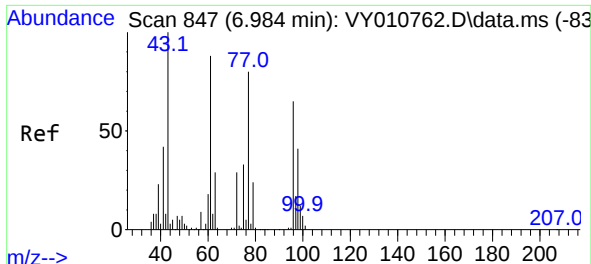
Tgt Ion: 43 Resp: 7594
Ion Ratio Lower Upper
43 100
58 32.8 22.0 33.0



#20
Methylene Chloride
Concen: 4.340 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 84 Resp: 27068
Ion Ratio Lower Upper
84 100
49 116.2 114.4 171.6
51 35.5 35.3 52.9
86 67.0 53.7 80.5





#25

2-Butanone

Concen: 3.715 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY010954.D

Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_Y

ClientSampleId :

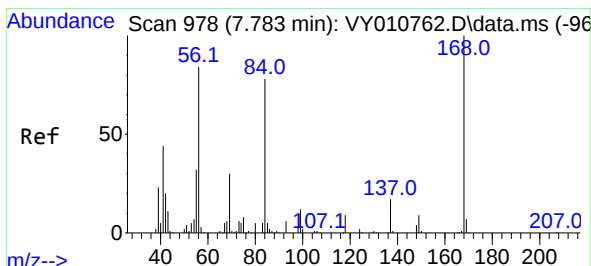
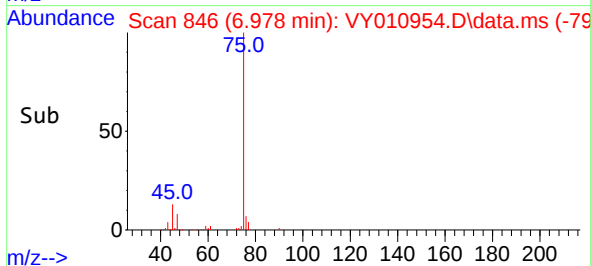
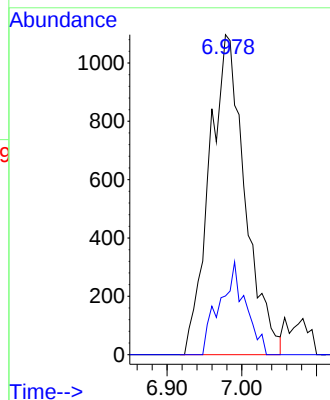
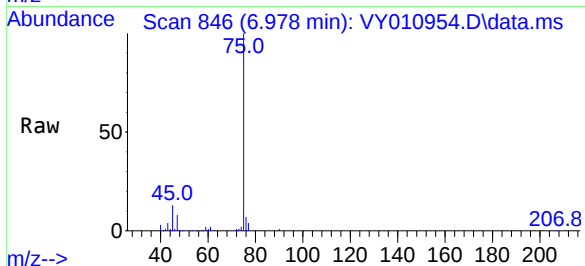
OR-2-101222

Tgt Ion: 43 Resp: 3623

Ion Ratio Lower Upper

43 100

72 18.3 17.7 26.5



#31

Cyclohexane

Concen: 1.160 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY010954.D

Acq: 13 Oct 2022 13:26

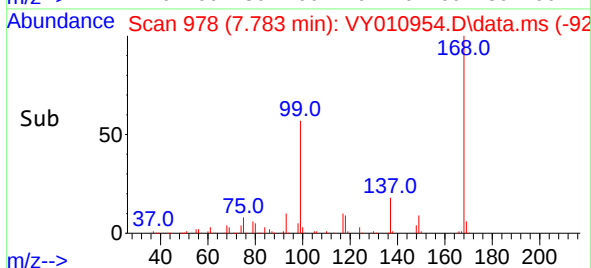
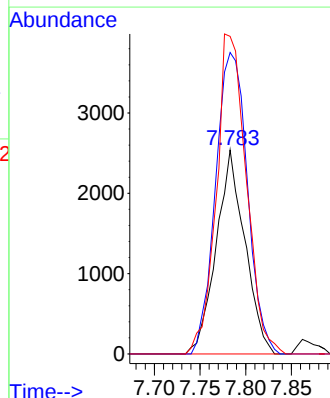
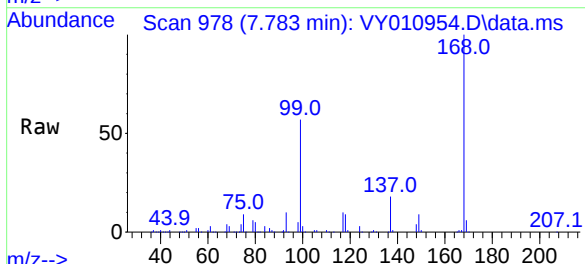
Tgt Ion: 56 Resp: 5545

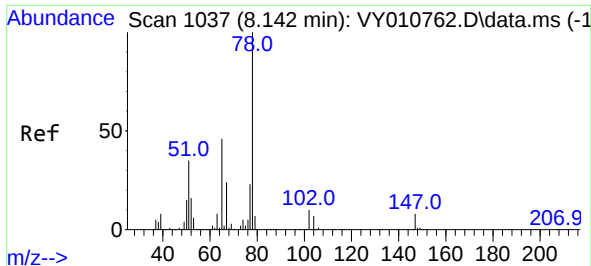
Ion Ratio Lower Upper

56 100

69 147.7 26.7 40.1#

84 155.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.217 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010954.D

Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_Y

ClientSampleId :

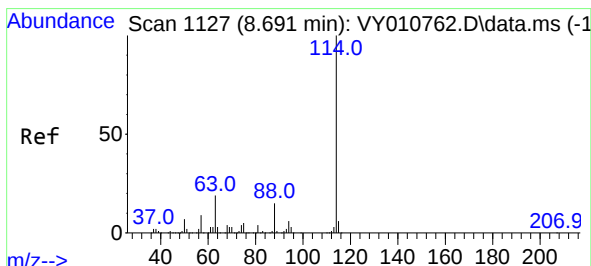
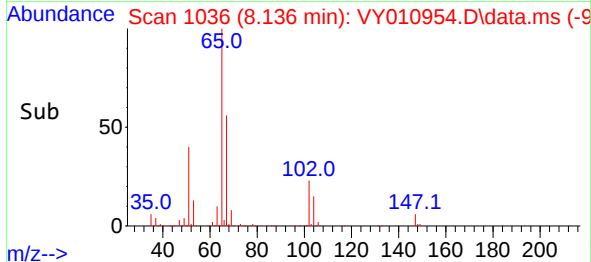
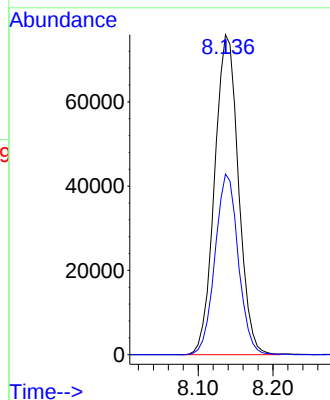
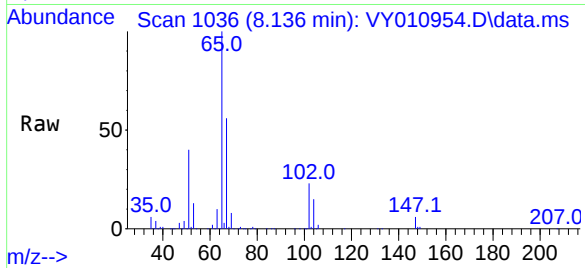
OR-2-101222

Tgt Ion: 65 Resp: 168838

Ion Ratio Lower Upper

65 100

67 55.1 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: VY010954.D

Acq: 13 Oct 2022 13:26

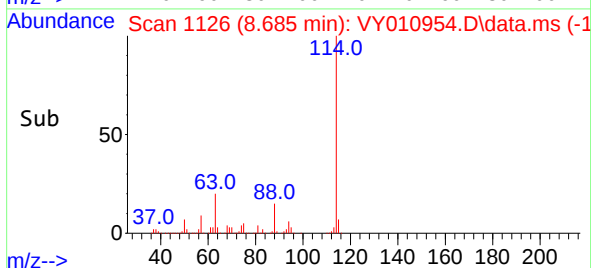
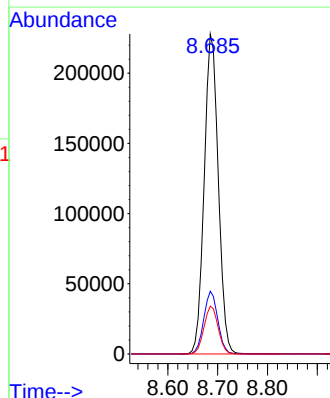
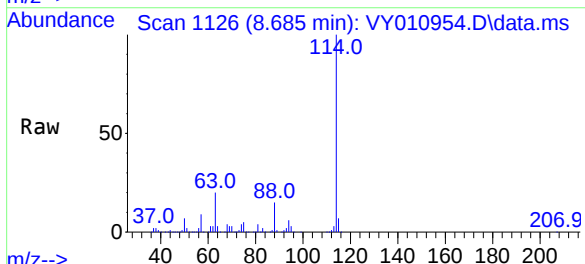
Tgt Ion: 114 Resp: 447144

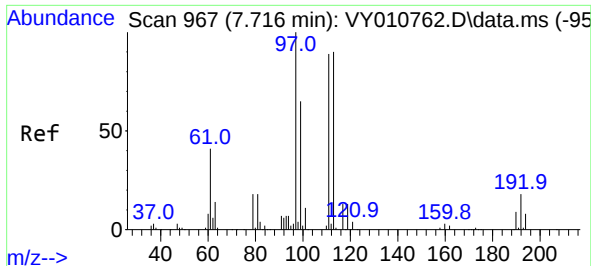
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 57.266 ug/l

RT: 7.710 min Scan# 9

Delta R.T. -0.006 min

Lab File: VY010954.D

Acq: 13 Oct 2022 13:26

Instrument :

MSVOA_Y

ClientSampleId :

OR-2-101222

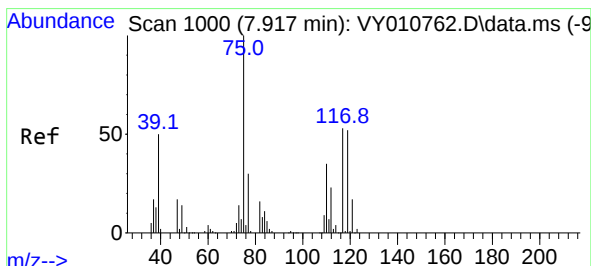
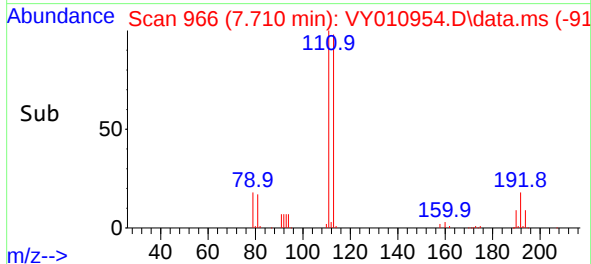
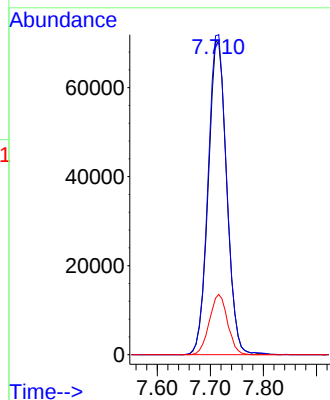
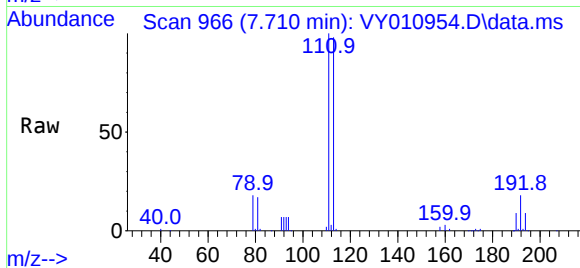
Tgt Ion:113 Resp: 169975

Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 19.0 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.911 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY010954.D

Acq: 13 Oct 2022 13:26

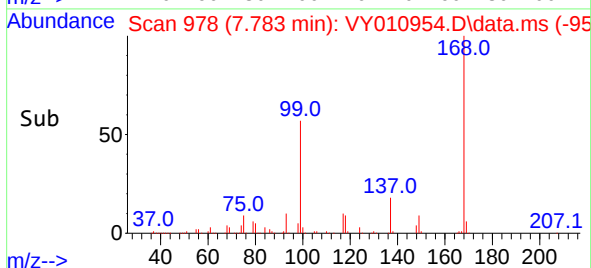
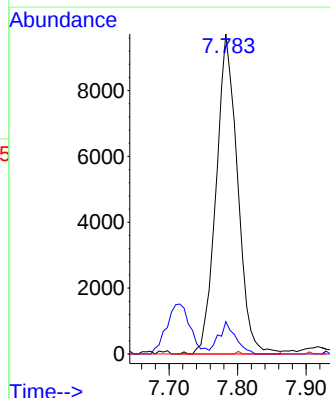
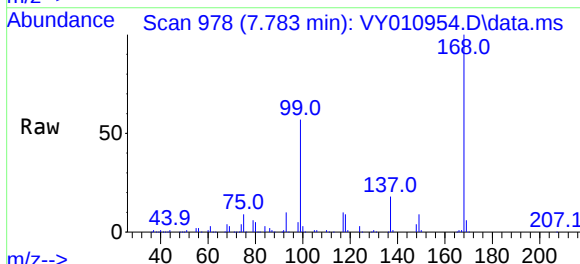
Tgt Ion: 75 Resp: 21042

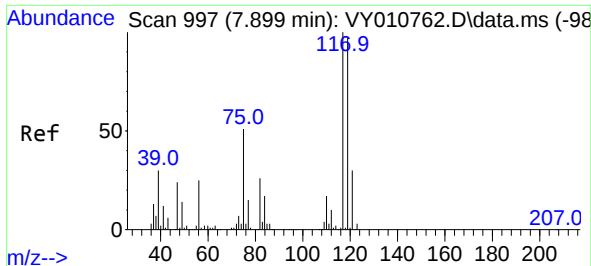
Ion Ratio Lower Upper

75 100

110 7.8 17.1 51.2#

77 0.1 24.4 36.6#

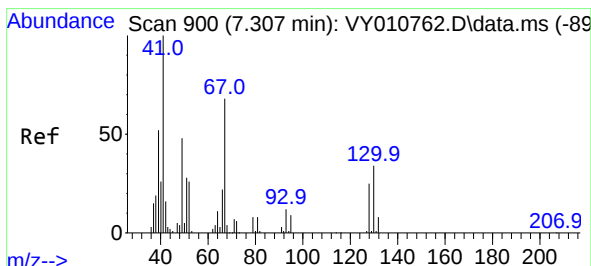
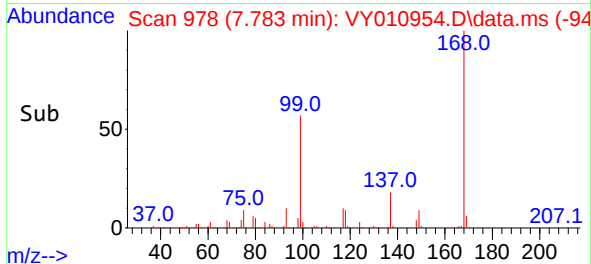
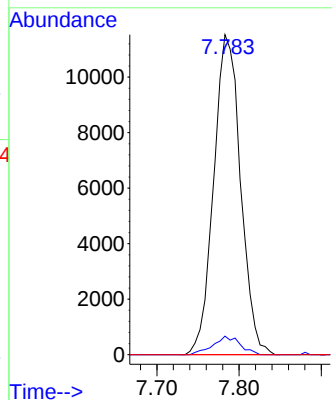
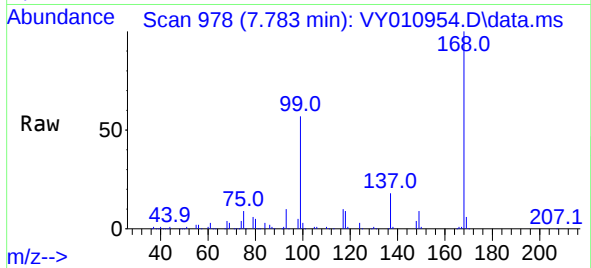




#38
Carbon Tetrachloride
Concen: 5.871 ug/l
RT: 7.783 min Scan# 911
Delta R.T. -0.116 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

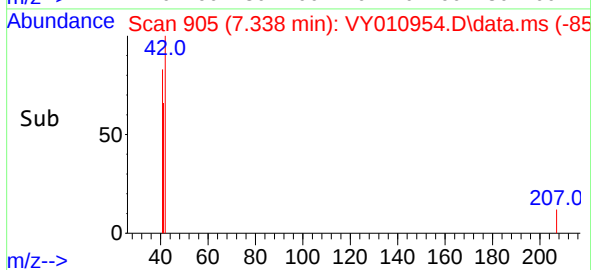
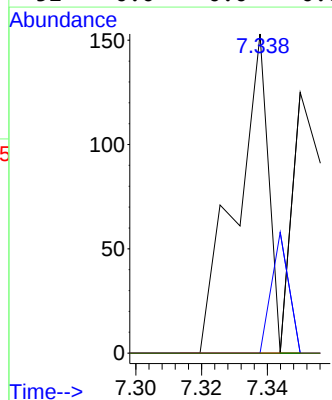
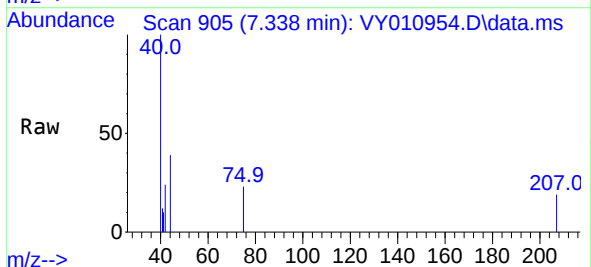
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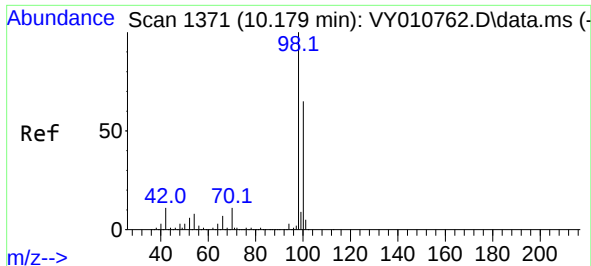
Tgt Ion:117 Resp: 26202
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 2.661 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.031 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 41 Resp: 104
Ion Ratio Lower Upper
41 100
39 20.2 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

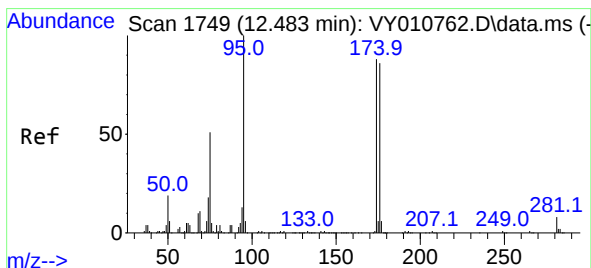
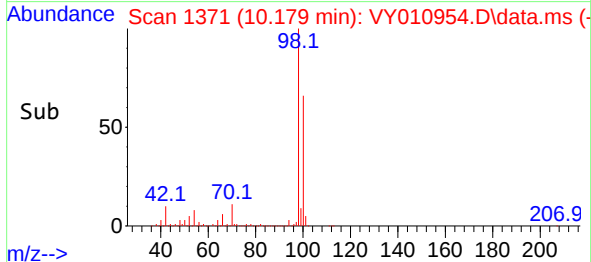
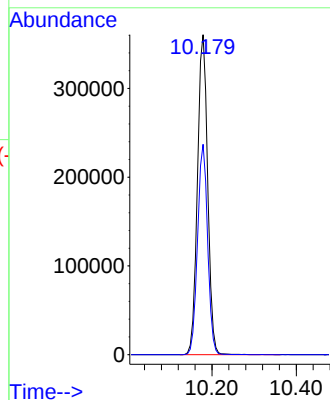
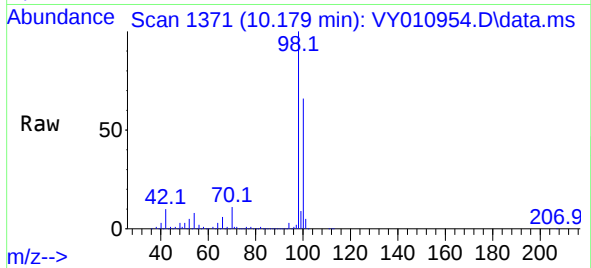




#50
Toluene-d8
Concen: 59.882 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

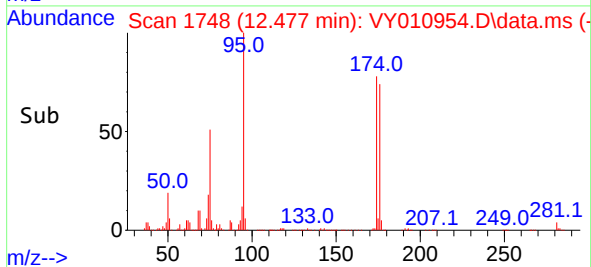
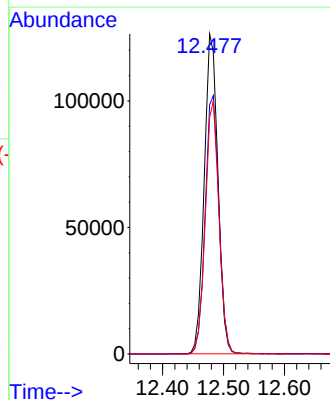
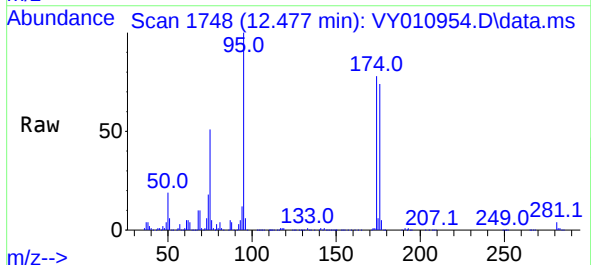
Instrument :
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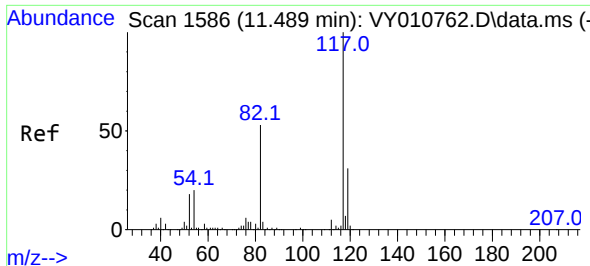
Tgt Ion: 98 Resp: 607848
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 49.818 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 95 Resp: 197619
Ion Ratio Lower Upper
95 100
174 82.2 0.0 177.0
176 78.6 0.0 175.8

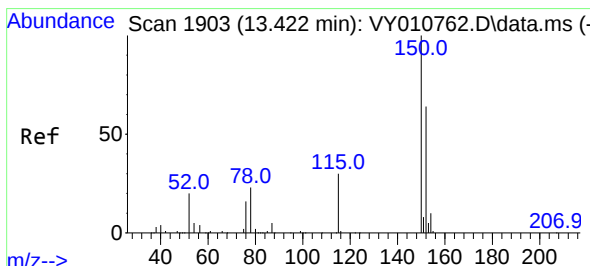
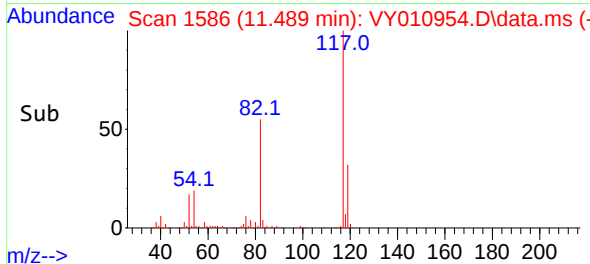
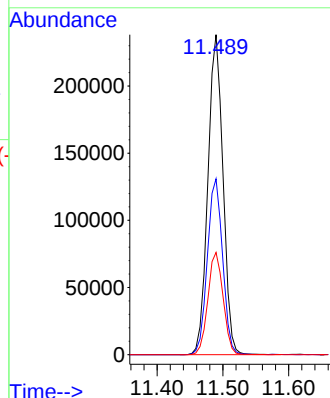
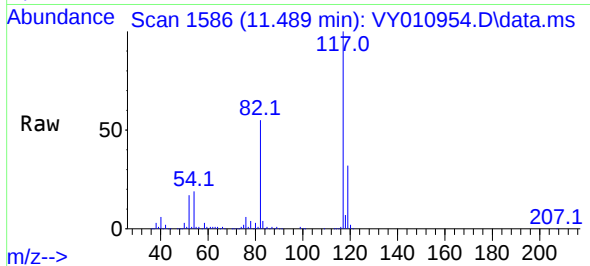




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

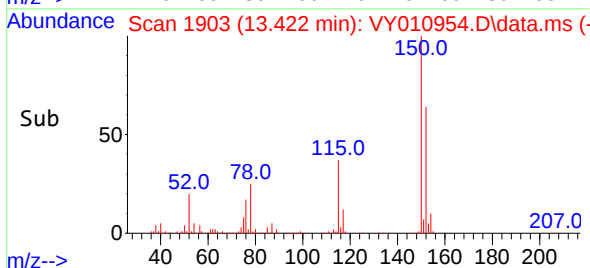
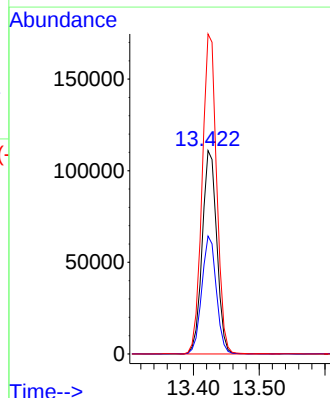
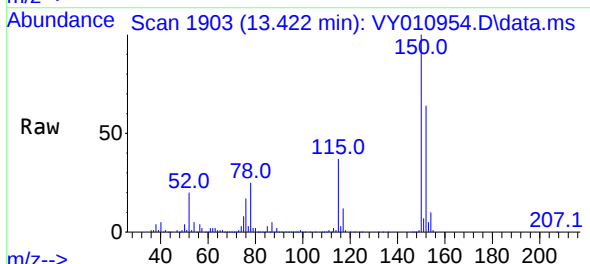
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-101222

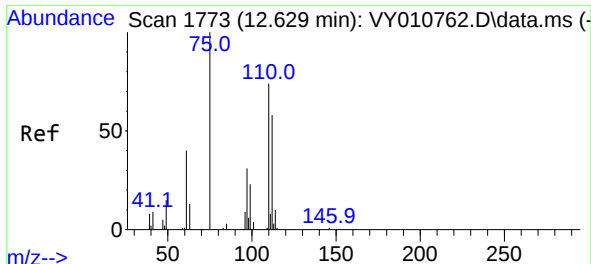
Tgt Ion:117 Resp: 380848
Ion Ratio Lower Upper
117 100
82 54.9 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

Tgt Ion:152 Resp: 171033
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 156.6 0.0 347.6

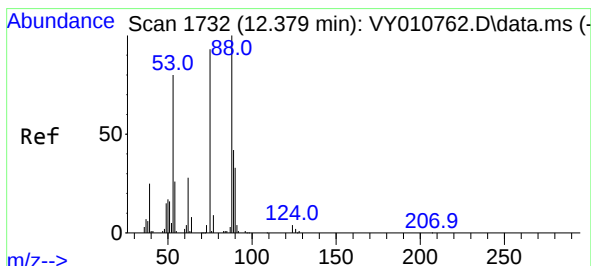
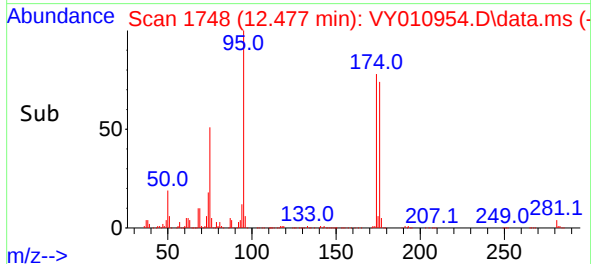
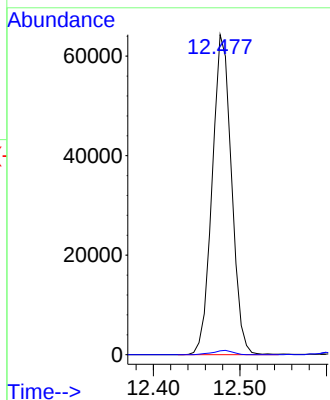
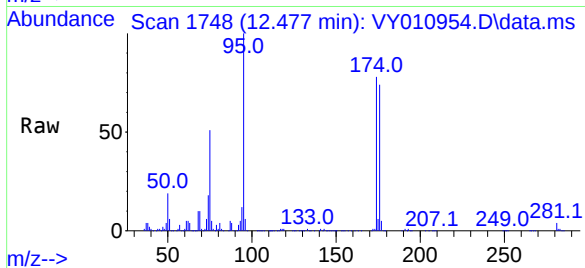




#76
1,2,3-Trichloropropane
Concen: 57.574 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

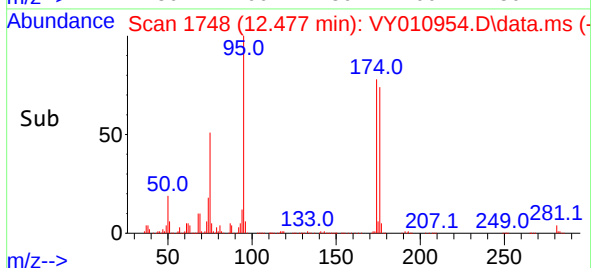
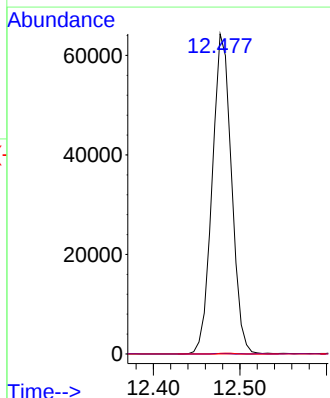
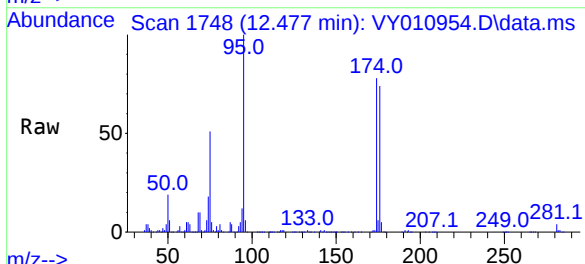
Instrument :
MSVOA_Y
ClientSampleId :
OR-2-101222

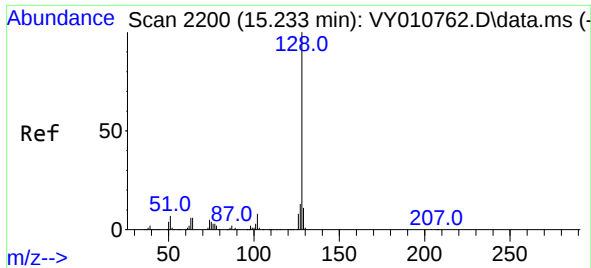
Tgt Ion: 75 Resp: 99720
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.267 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

Tgt Ion: 75 Resp: 99720
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.2 37.0 55.4#





#95
Naphthalene
Concen: 7.958 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY010954.D
Acq: 13 Oct 2022 13:26

Instrument :
MSVOA_Y
ClientSampleId :
OR-2-101222

Tgt Ion:	128	Resp:	45413
Ion	Ratio	Lower	Upper
128	100		
127	12.9	11.0	16.4
129	11.2	8.4	12.6

