

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070122\
 Data File : VY009422.D
 Acq On : 01 Jul 2022 15:07
 Operator : KP/MD
 Sample : N3558-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 72-11998

Quant Time: Jul 05 02:46:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

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

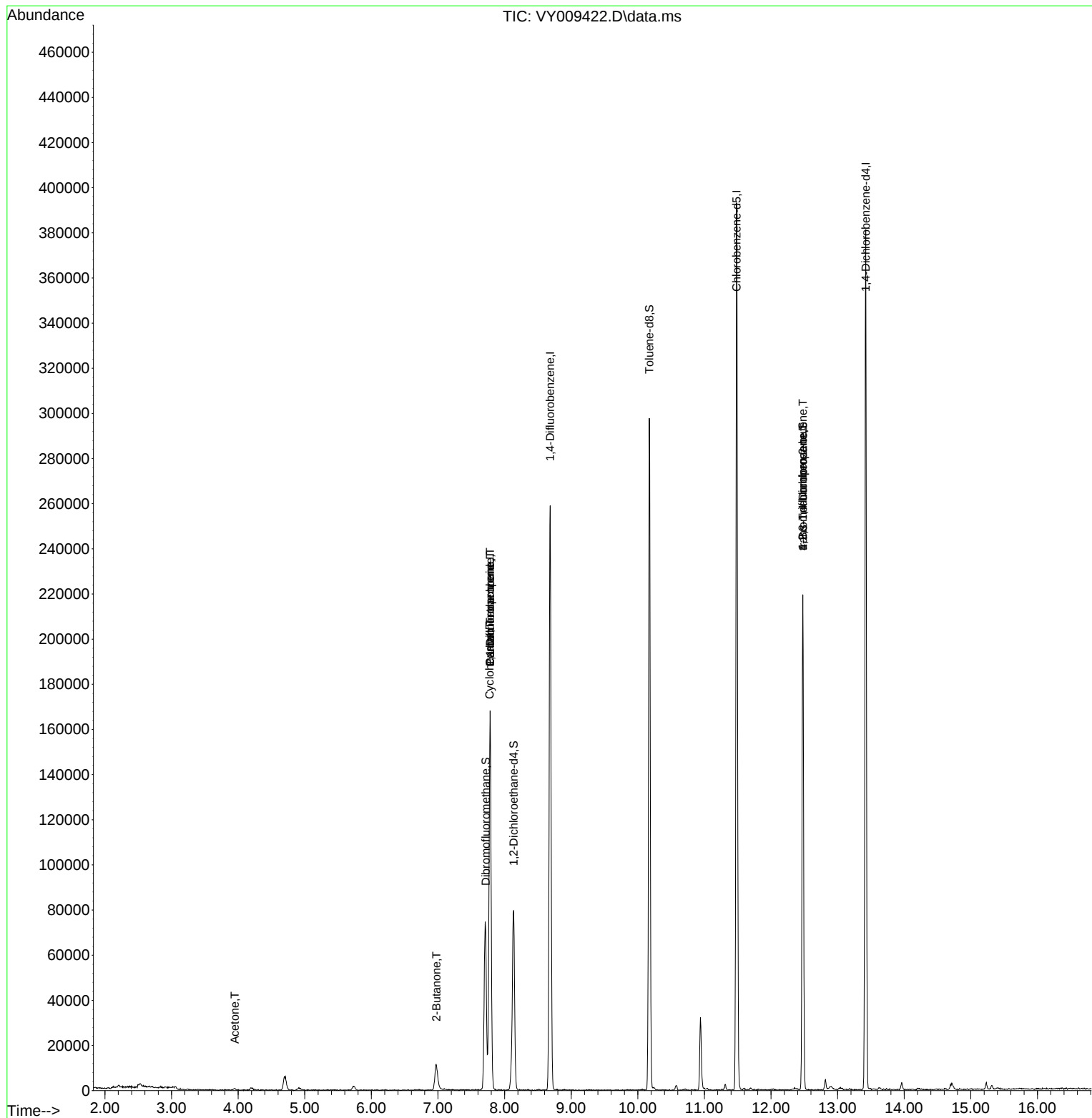
Internal Standards						
1) Pentafluorobenzene	7.783	168	128761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	219998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	205743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	58207	56.439	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 112.880%		
35) Dibromofluoromethane	7.716	113	51308	42.375	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 84.740%		
50) Toluene-d8	10.173	98	188665	50.821	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 101.640%		
62) 4-Bromofluorobenzene	12.477	95	61716	35.053	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 70.100%		
Target Compounds						
11) Tert butyl alcohol	4.899	59	435	Below Cal	#	94
16) Acetone	3.948	43	1170	3.454	ug/l #	81
18) Methyl Acetate	4.479	43	76	Below Cal	#	56
20) Methylene Chloride	4.692	84	4272	Below Cal	#	77
25) 2-Butanone	6.978	43	826	1.538	ug/l #	54
31) Cyclohexane	7.777	56	2956	1.274	ug/l #	42
36) 1,1-Dichloropropene	7.783	75	9872	4.663	ug/l #	51
38) Carbon Tetrachloride	7.783	117	12203	5.515	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	33805	30.169	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	33805	67.170	ug/l #	7

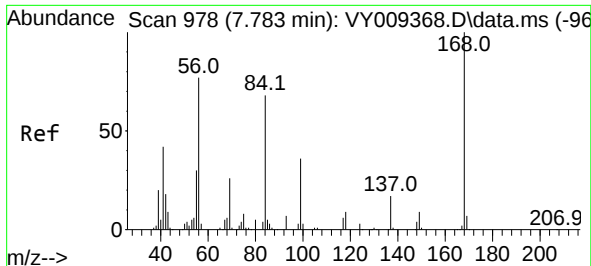
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 17:35:34 2022
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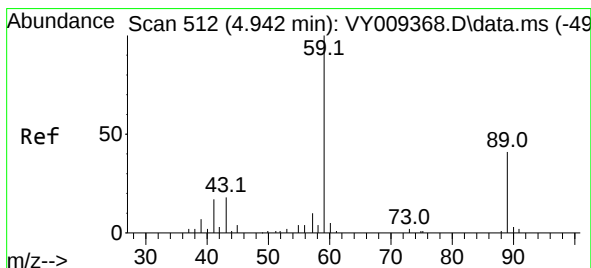
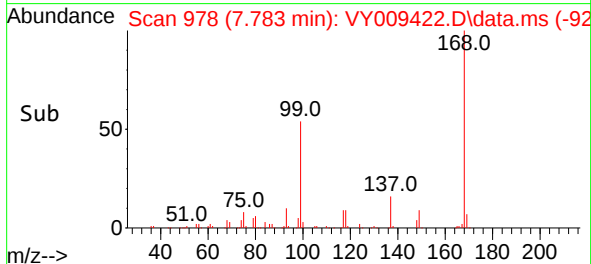
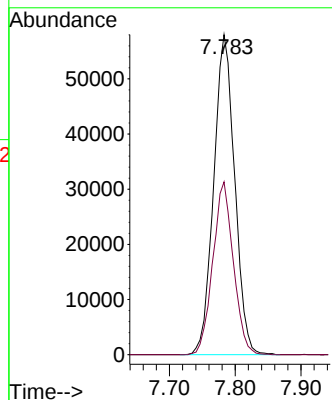
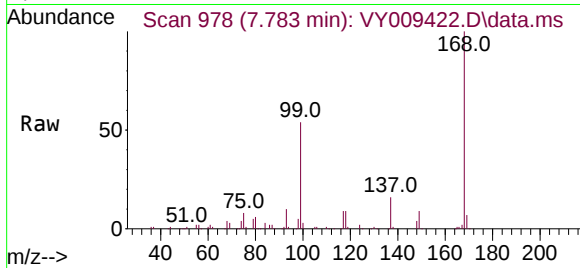




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

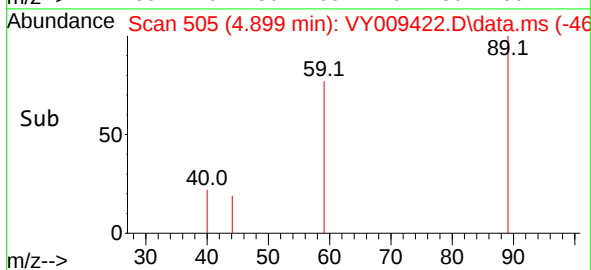
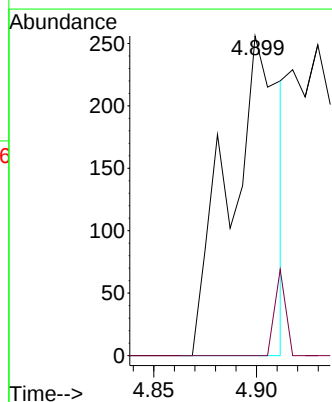
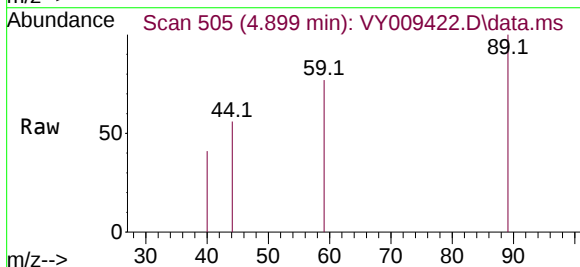
Instrument :
MSVOA_Y
ClientSampleId :
72-11998

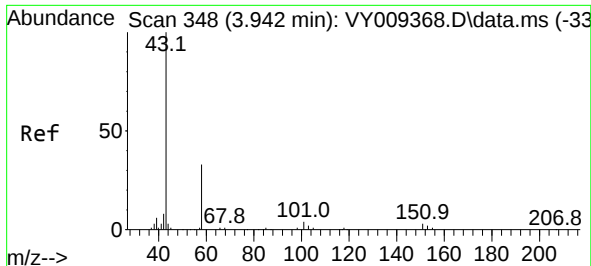
Tgt Ion:168 Resp: 128761
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.899 min Scan# 505
Delta R.T. -0.043 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

Tgt Ion: 59 Resp: 435
Ion Ratio Lower Upper
59 100
57 5.7 6.4 9.6#





#16

Acetone

Concen: 3.454 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY009422.D

Acq: 01 Jul 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

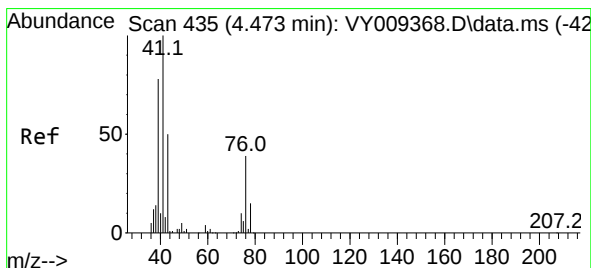
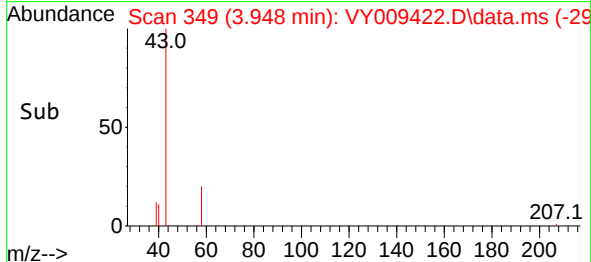
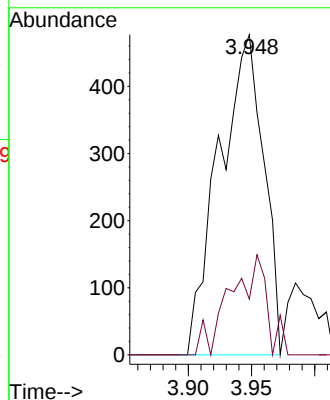
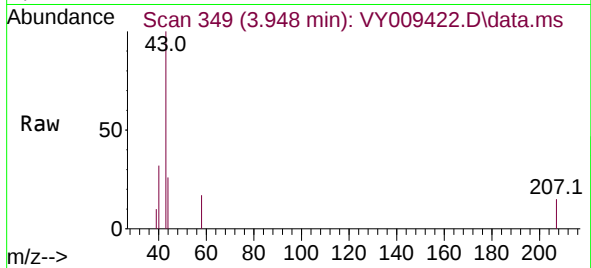
72-11998

Tgt Ion: 43 Resp: 1170

Ion Ratio Lower Upper

43 100

58 17.4 22.0 33.0#



#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 436

Delta R.T. 0.006 min

Lab File: VY009422.D

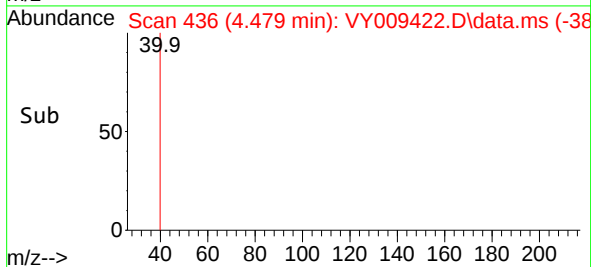
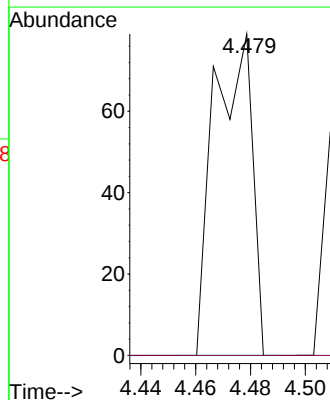
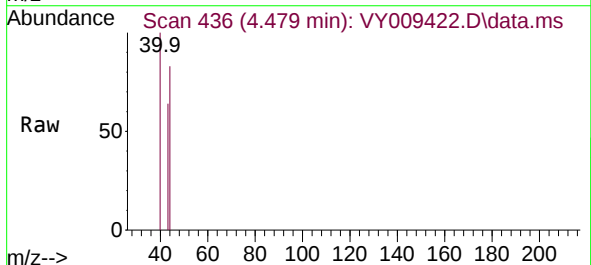
Acq: 01 Jul 2022 15:07

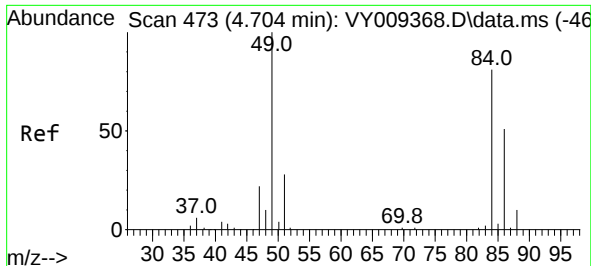
Tgt Ion: 43 Resp: 76

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.692 min Scan# 41

Delta R.T. -0.018 min

Lab File: VY009422.D

Acq: 01 Jul 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

72-11998

Tgt Ion: 84 Resp: 4272

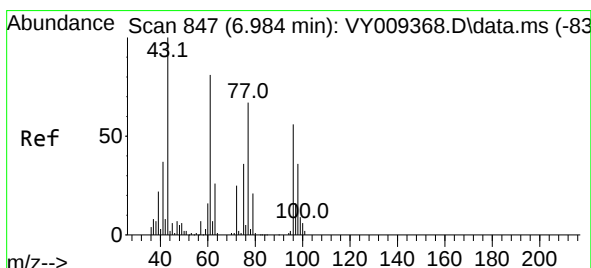
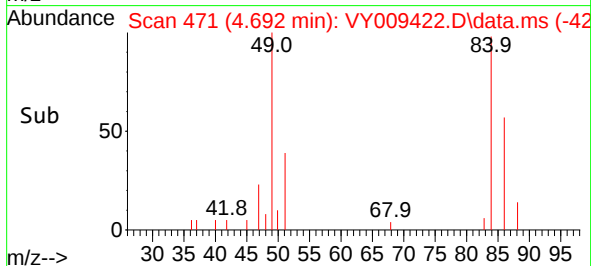
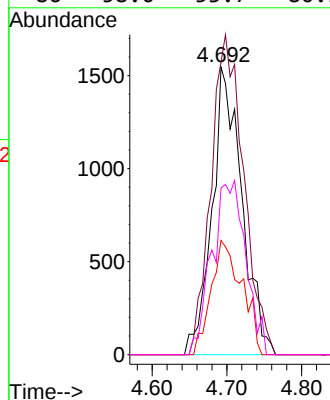
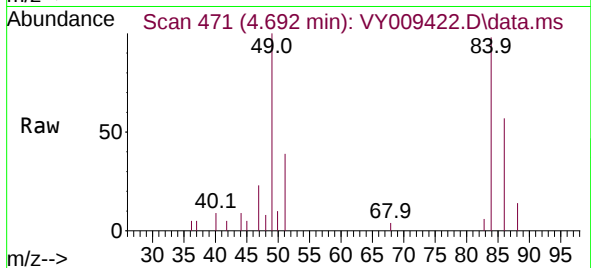
Ion Ratio Lower Upper

84 100

49 101.7 114.4 171.6#

51 39.7 35.3 52.9

86 58.0 53.7 80.5



#25

2-Butanone

Concen: 1.538 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY009422.D

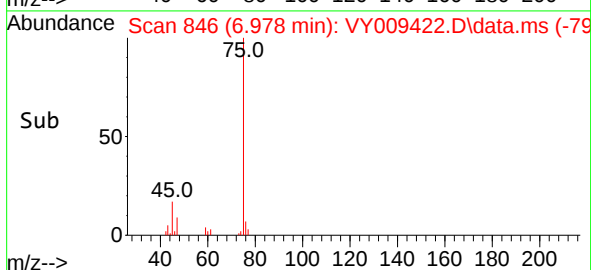
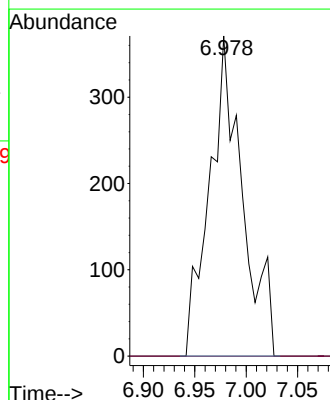
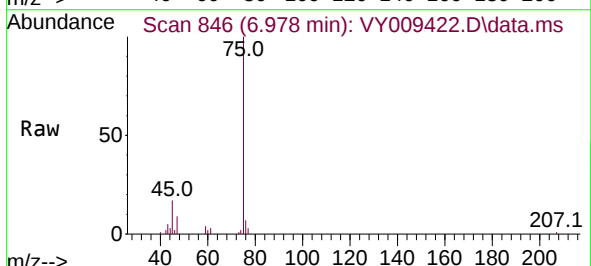
Acq: 01 Jul 2022 15:07

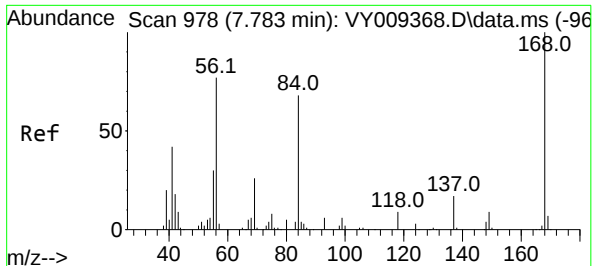
Tgt Ion: 43 Resp: 826

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#





#31

Cyclohexane

Concen: 1.274 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY009422.D

Acq: 01 Jul 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

72-11998

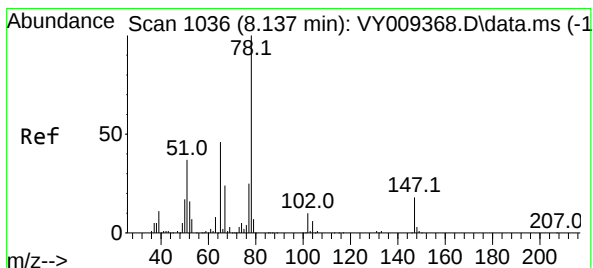
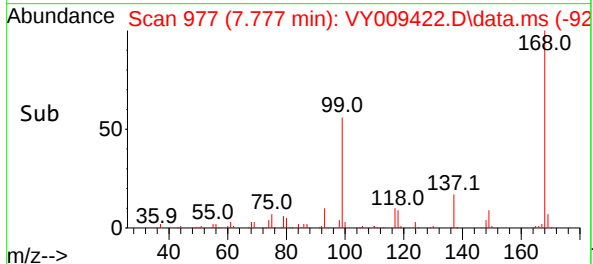
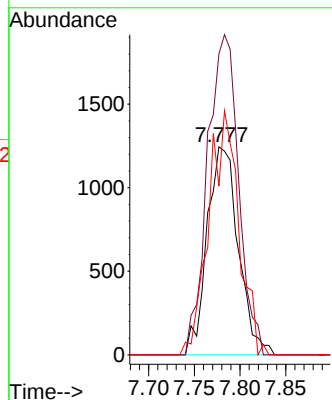
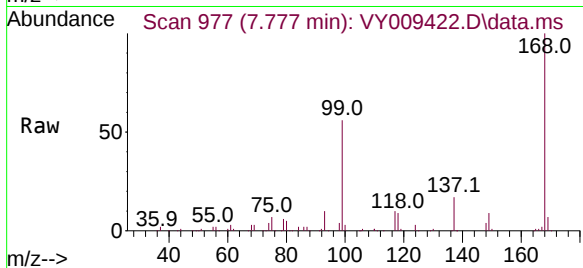
Tgt Ion: 56 Resp: 2956

Ion Ratio Lower Upper

56 100

69 144.7 26.7 40.1#

84 81.2 67.2 100.8



#33

1,2-Dichloroethane-d4

Concen: 56.439 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.001 min

Lab File: VY009422.D

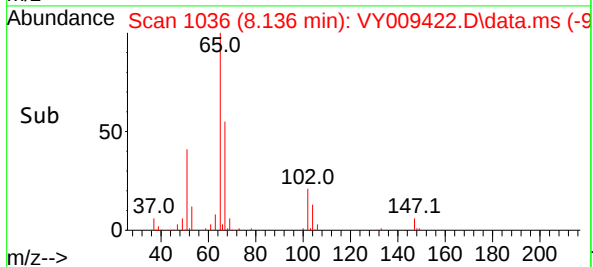
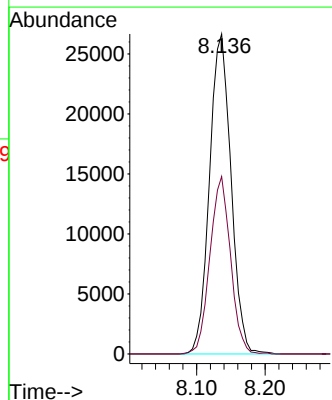
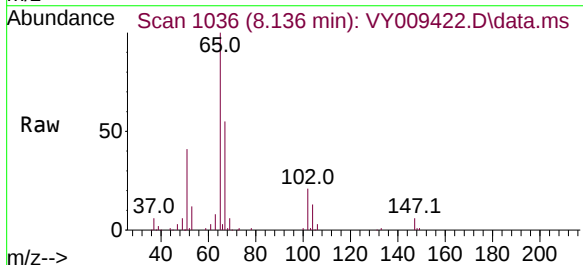
Acq: 01 Jul 2022 15:07

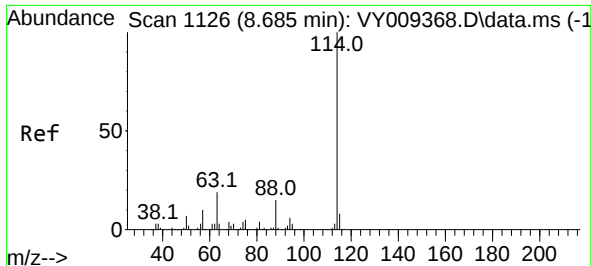
Tgt Ion: 65 Resp: 58207

Ion Ratio Lower Upper

65 100

67 53.1 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: VY009422.D

Acq: 01 Jul 2022 15:07

Instrument :

MSVOA_Y

ClientSampleId :

72-11998

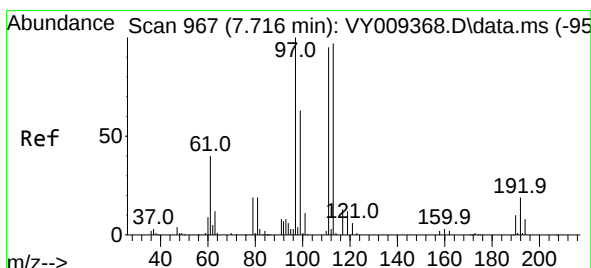
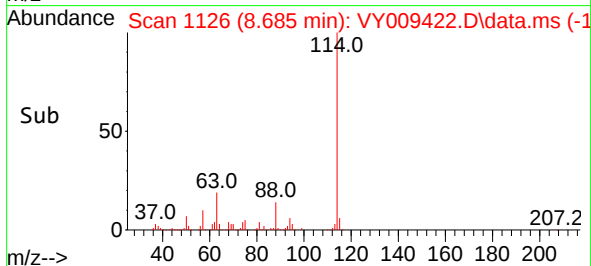
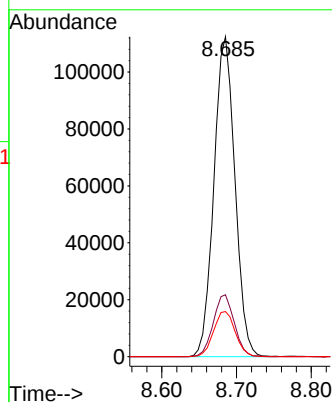
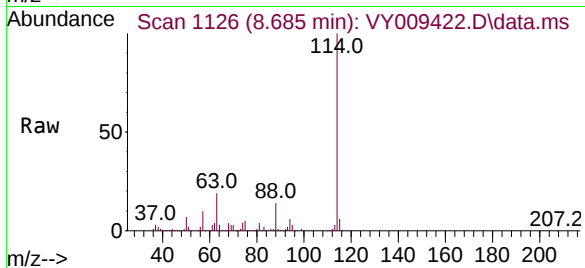
Tgt Ion:114 Resp: 219998

Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 14.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 42.375 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY009422.D

Acq: 01 Jul 2022 15:07

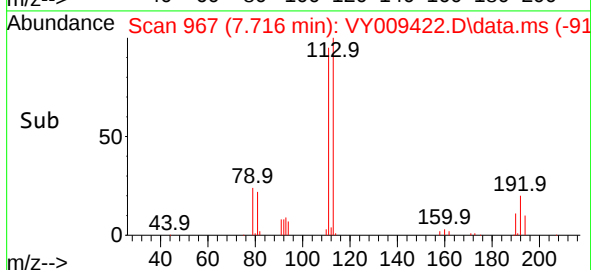
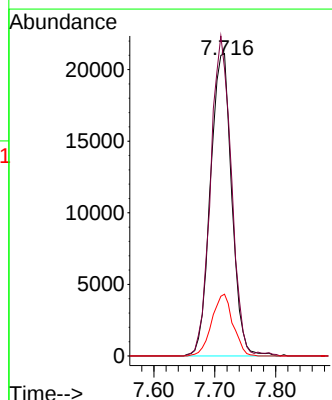
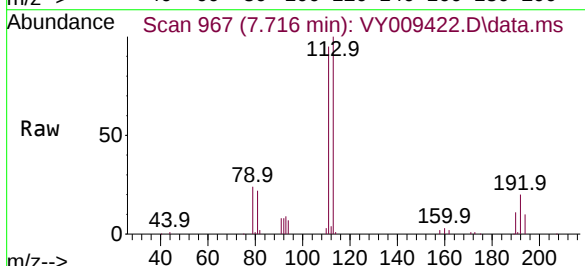
Tgt Ion:113 Resp: 51308

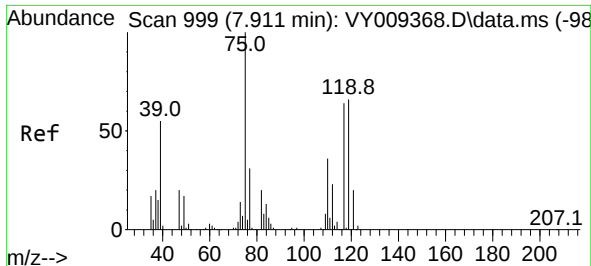
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 20.3 17.6 26.4

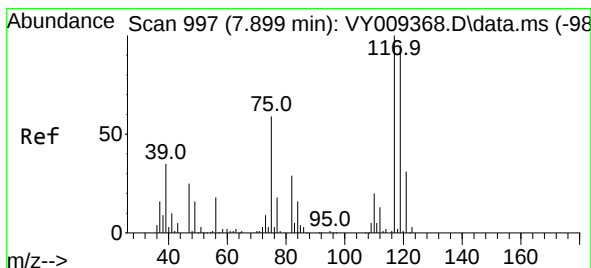
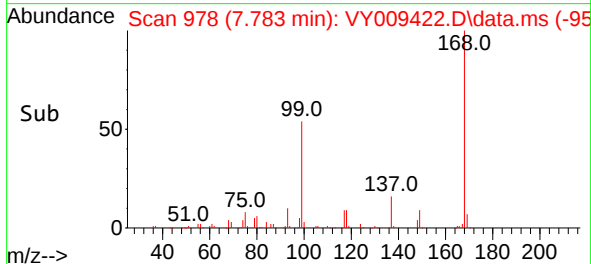
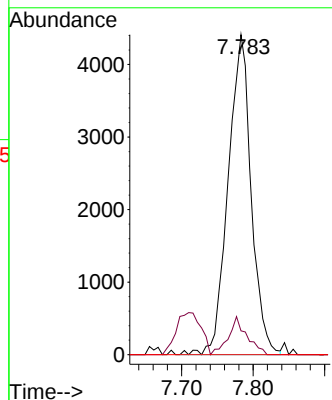
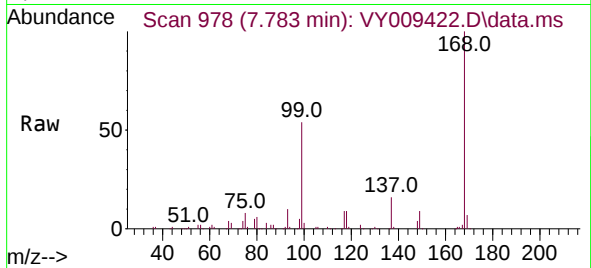




#36
1,1-Dichloropropene
Concen: 4.663 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

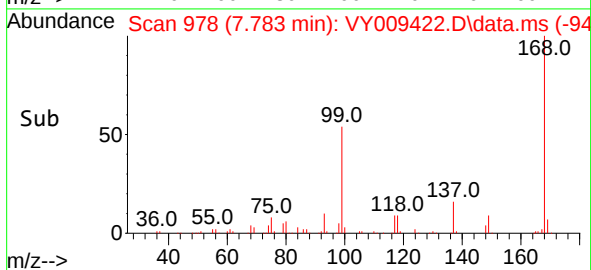
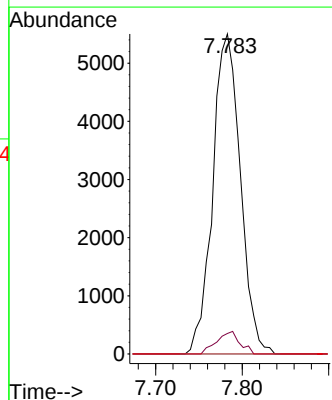
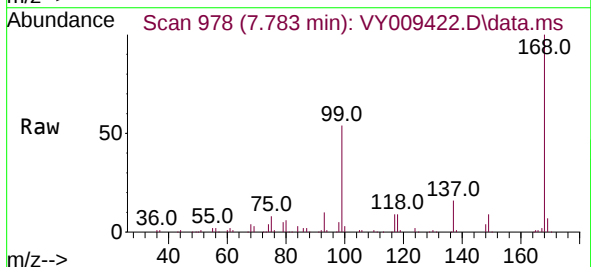
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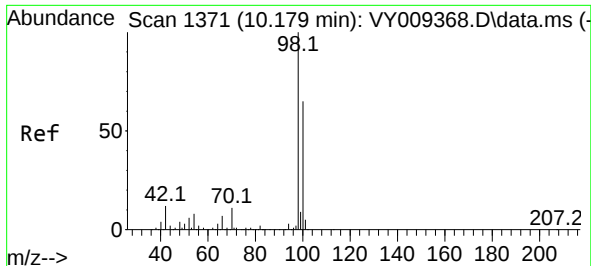
Tgt Ion: 75 Resp: 9872
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.515 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

Tgt Ion: 117 Resp: 12203
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#

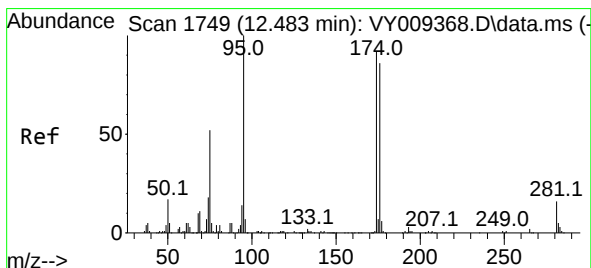
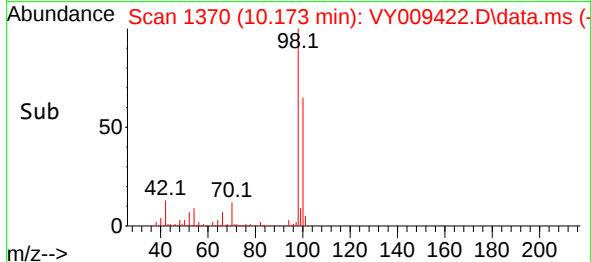
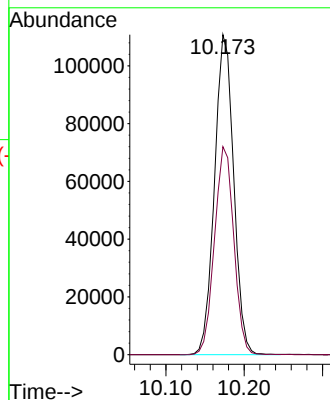
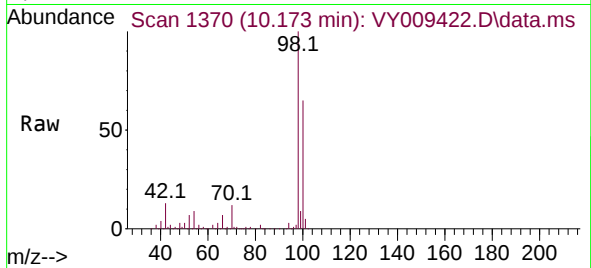




#50
Toluene-d8
Concen: 50.821 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

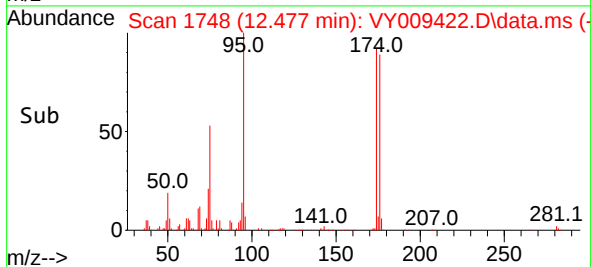
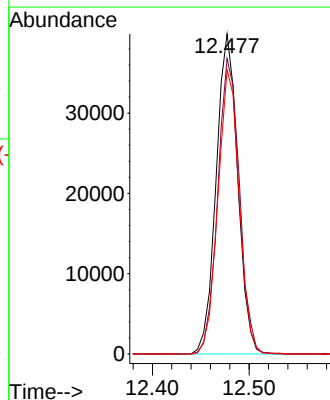
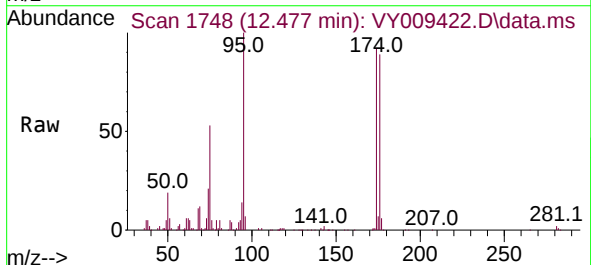
Instrument :
MSVOA_Y
ClientSampleId :
72-11998

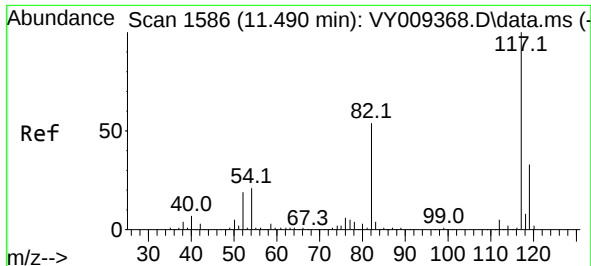
Tgt Ion: 98 Resp: 188665
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.053 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

Tgt Ion: 95 Resp: 61716
Ion Ratio Lower Upper
95 100
174 92.3 0.0 177.0
176 87.5 0.0 175.8

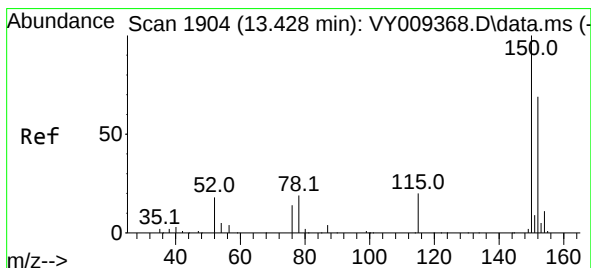
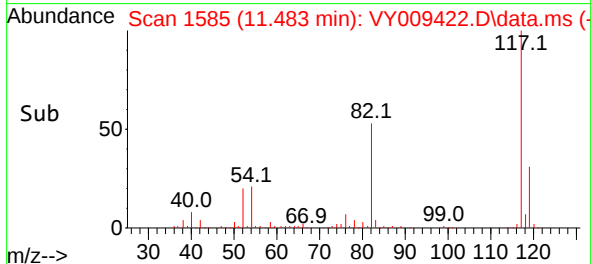
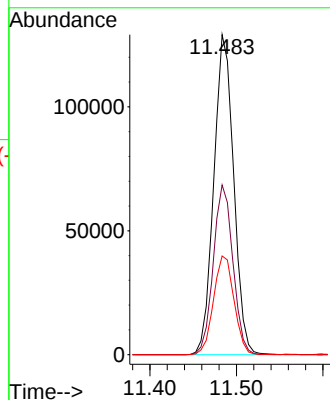
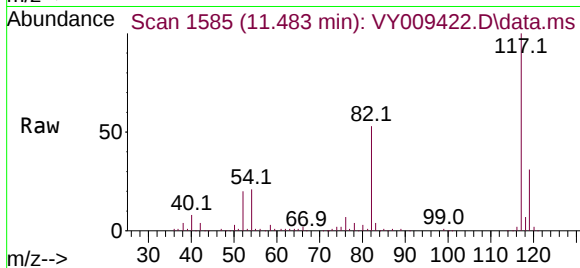




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

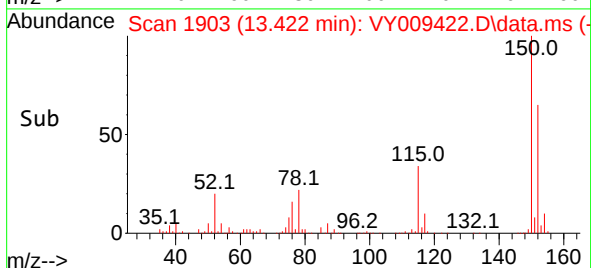
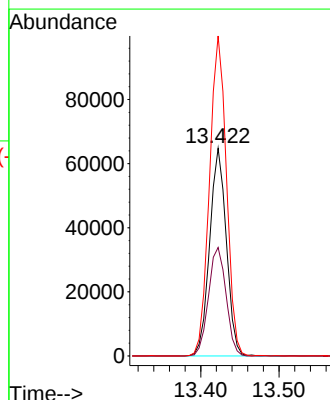
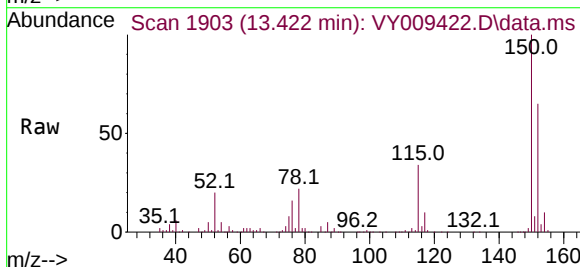
Instrument :
MSVOA_Y
ClientSampleId :
72-11998

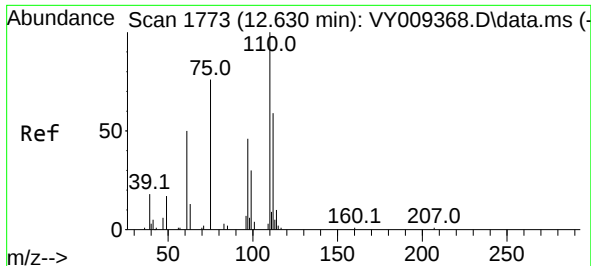
Tgt Ion:117 Resp: 205743
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 30.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

Tgt Ion:152 Resp: 95683
Ion Ratio Lower Upper
152 100
115 55.0 28.2 84.7
150 156.4 0.0 347.6

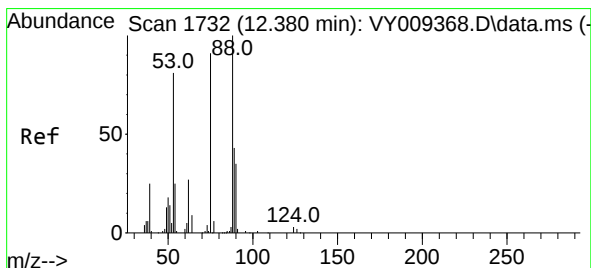
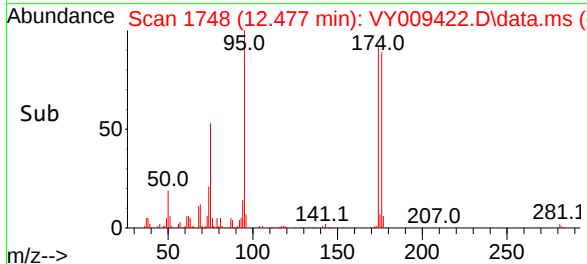
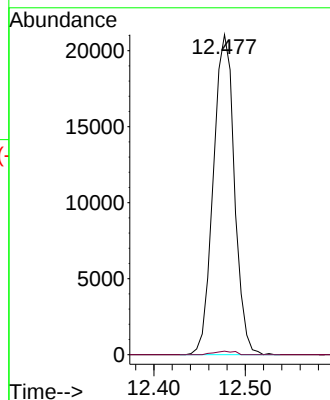
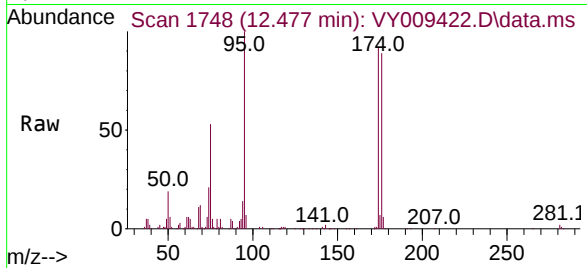




#76
1,2,3-Trichloropropane
Concen: 30.169 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

Instrument :
MSVOA_Y
ClientSampleId :
72-11998

Tgt Ion: 75 Resp: 33805
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.170 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY009422.D
Acq: 01 Jul 2022 15:07

Tgt Ion: 75 Resp: 33805
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

