

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039790.D
 Acq On : 25 Oct 2022 16:32
 Operator : SY/AP
 Sample : N5278-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Quant Time: Oct 28 08:08:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Oct 24 20:00:55 2022
 Response via : Initial Calibration

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

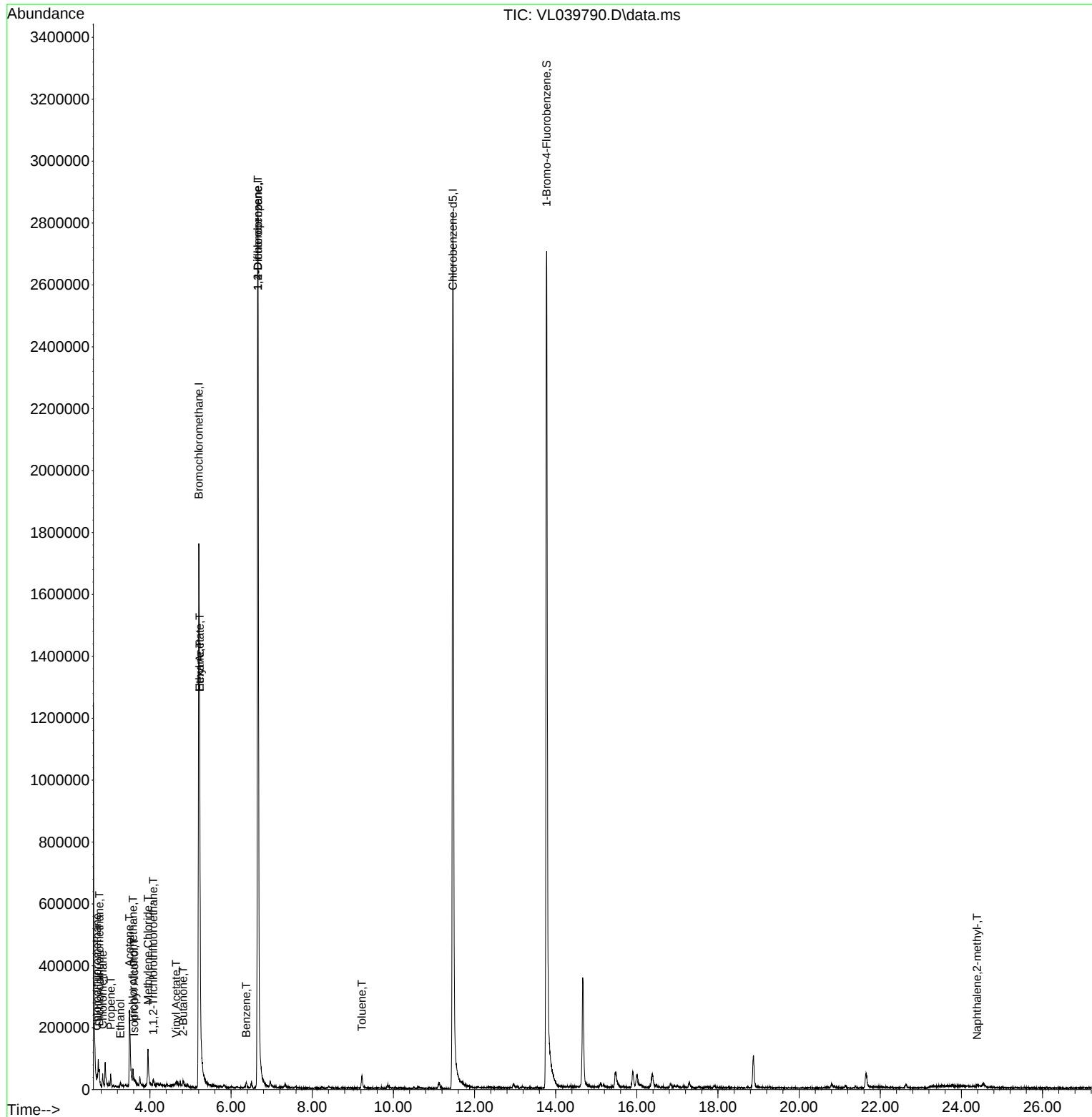
Internal Standards						
1) Bromochloromethane	5.205	49	874632	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2309917	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1921979	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1337619	9.783	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.751	85	28744	0.314	ppbv	97
3) Chlorodifluoromethane	2.693	51	32495	0.309	ppbv	99
4) Chloromethane	2.835	50	32357	0.492	ppbv	96
9) Propene	3.034	41	9952	0.220	ppbv	85
11) Trichlorofluoromethane	3.581	101	27256	0.213	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.082	101	5893	0.059	ppbv #	69
13) Ethanol	3.269	45	4387	1.353	ppbv #	16
15) Acetone	3.494	43	310899	2.976	ppbv	91
19) Isopropyl Alcohol	3.613	45	2512	0.051	ppbv #	1
20) Methylene Chloride	3.951	84	41351	1.040	ppbv	92
23) Vinyl Acetate	4.648	43	2361	0.059	ppbv #	1
25) Ethyl Acetate	5.227	43	190179	0.931	ppbv #	76
26) Hexane	5.227	57	258137	3.040	ppbv #	37
34) 2-Butanone	4.816	43	7111	0.065	ppbv #	66
36) Benzene	6.375	78	11147	0.063	ppbv #	66
39) 1,2-Dichloropropane	6.658	63	555455	8.105	ppbv #	26
53) Toluene	9.224	91	19784	0.106	ppbv #	56
80) Naphthalene,2-methyl-	24.387	142	2666	0.059	ppbv #	74

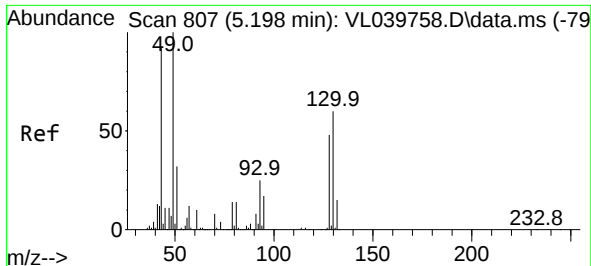
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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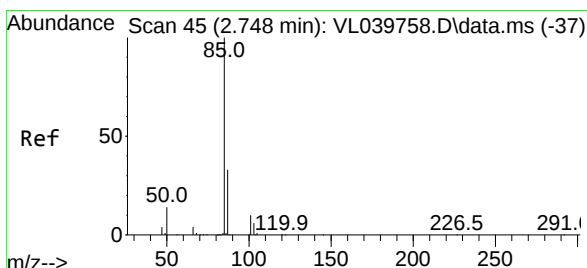
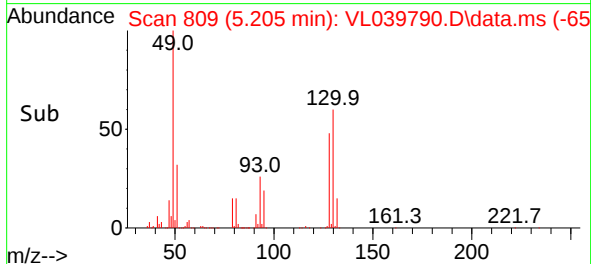
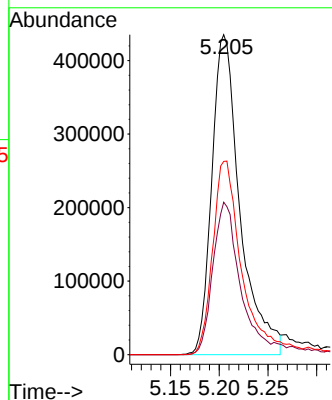
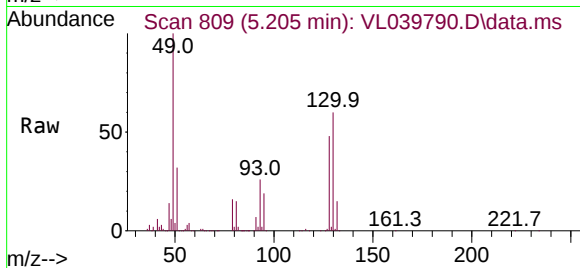




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.205 min Scan# 80
Delta R.T. 0.007 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

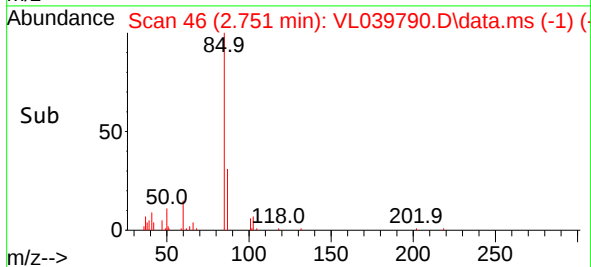
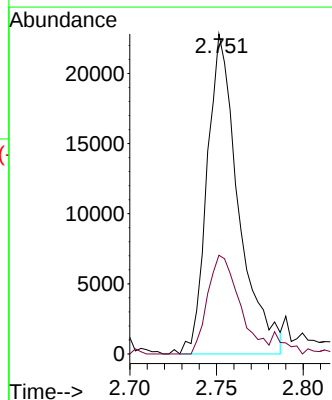
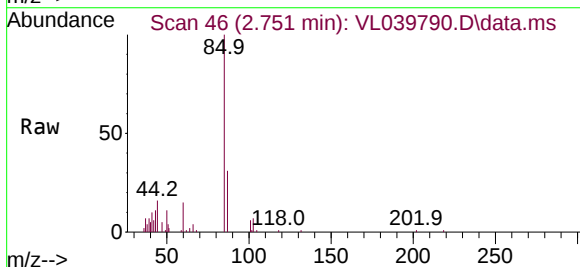
Instrument :
MSVOA_L
ClientSampleId :
AA-1

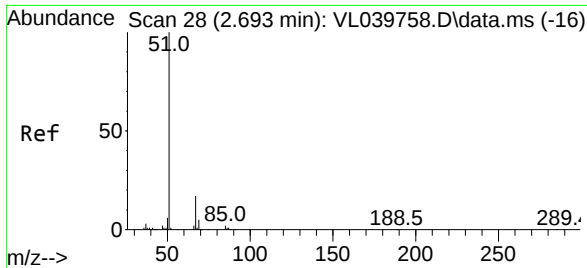
Tgt Ion: 49 Resp: 874632
Ion Ratio Lower Upper
49 100
128 49.4 24.6 74.0
130 66.7 31.8 95.3



#2
Dichlorodifluoromethane
Concen: 0.314 ppbv
RT: 2.751 min Scan# 46
Delta R.T. 0.003 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Tgt Ion: 85 Resp: 28744
Ion Ratio Lower Upper
85 100
87 30.9 26.1 39.1

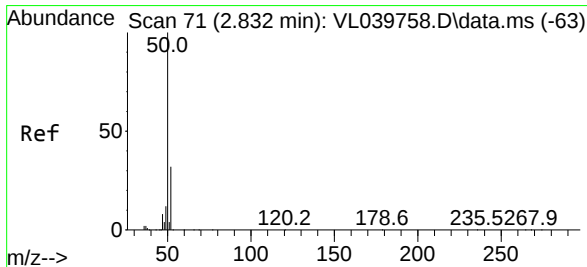
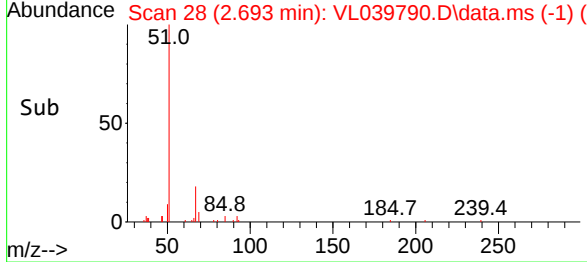
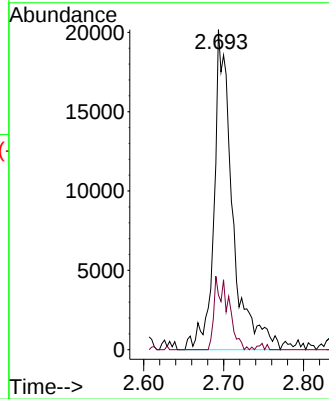
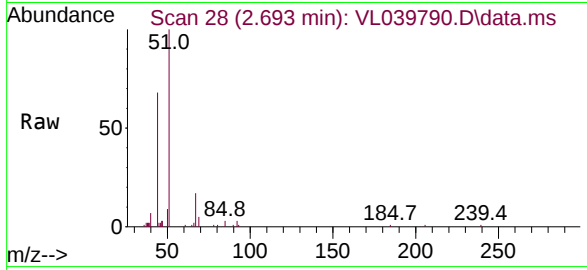




#3
Chlorodifluoromethane
Concen: 0.309 ppbv
RT: 2.693 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

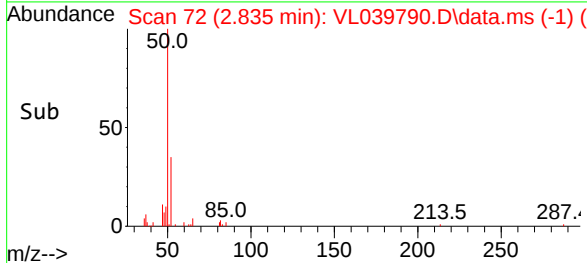
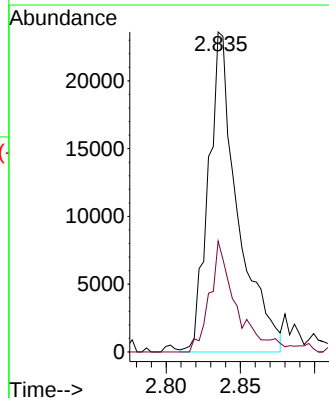
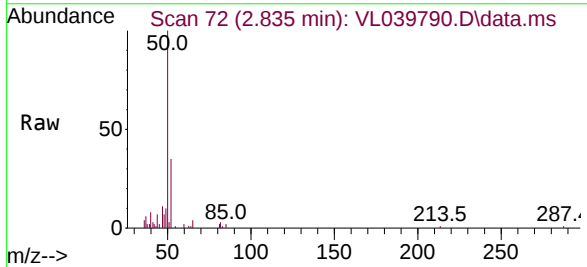
Instrument :
MSVOA_L
ClientSampleId :
AA-1

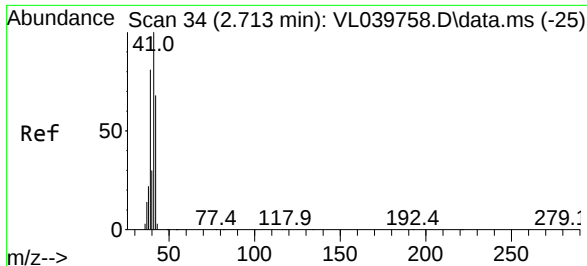
Tgt Ion: 51 Resp: 32495
Ion Ratio Lower Upper
51 100
67 18.1 14.2 21.2



#4
Chloromethane
Concen: 0.492 ppbv
RT: 2.835 min Scan# 72
Delta R.T. 0.003 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Tgt Ion: 50 Resp: 32357
Ion Ratio Lower Upper
50 100
52 34.9 25.9 38.9





#9

Propene

Concen: 0.220 ppbv

RT: 3.034 min Scan# 11

Delta R.T. 0.322 min

Lab File: VL039790.D

Acq: 25 Oct 2022 16:32

Instrument :

MSVOA_L

ClientSampleId :

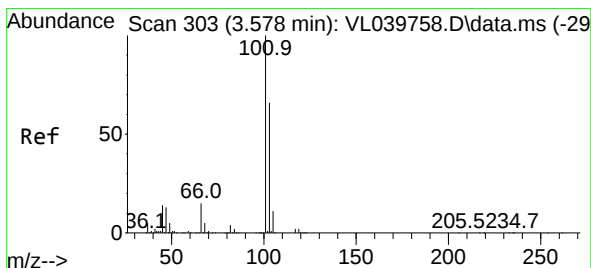
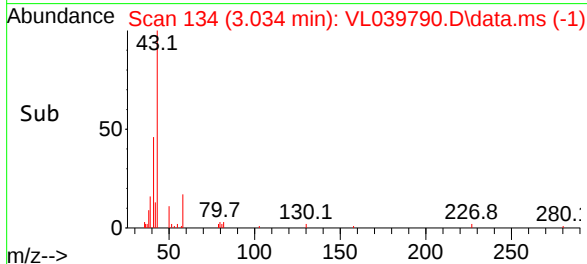
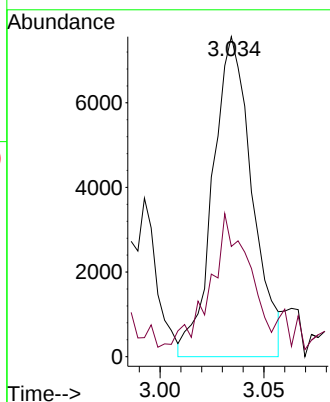
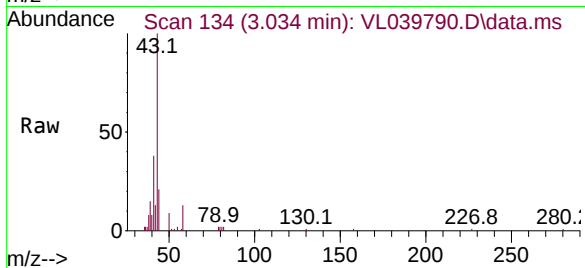
AA-1

Tgt Ion: 41 Resp: 9952

Ion Ratio Lower Upper

41 100

42 60.2 58.0 87.0



#11

Trichlorofluoromethane

Concen: 0.213 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.003 min

Lab File: VL039790.D

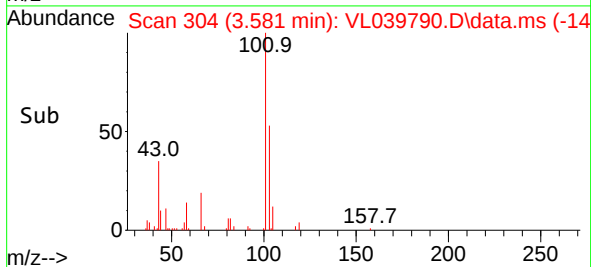
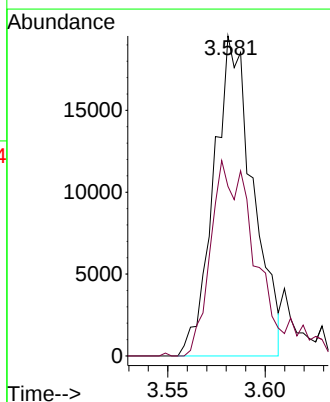
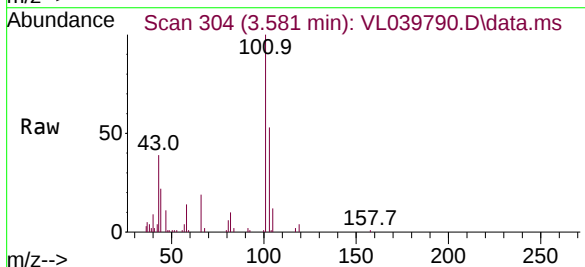
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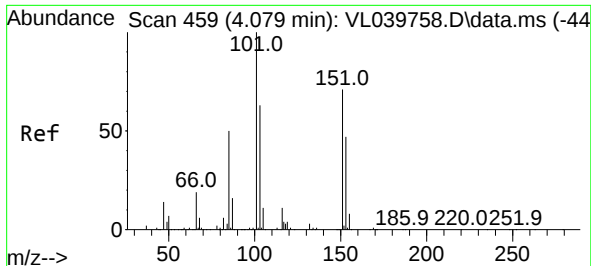
Tgt Ion: 101 Resp: 27256

Ion Ratio Lower Upper

101 100

103 53.0 52.7 79.1

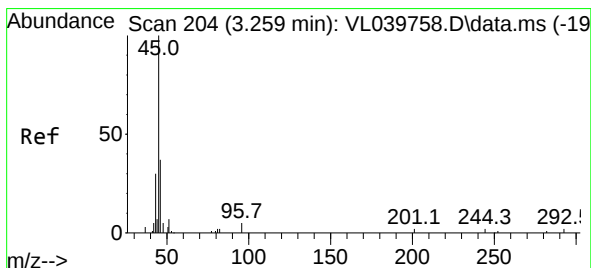
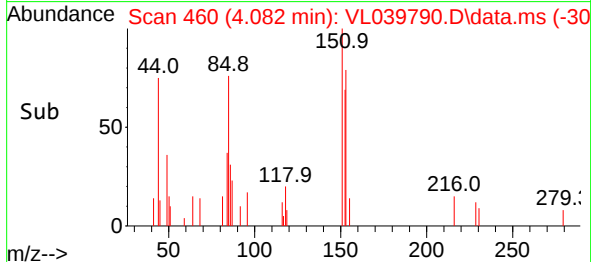
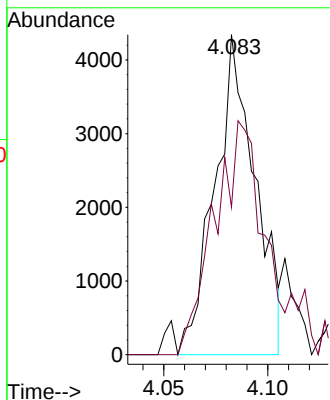
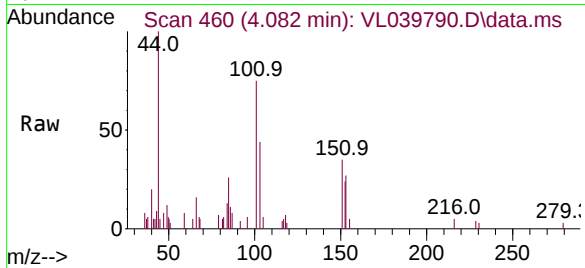




#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.059 ppbv
RT: 4.082 min Scan# 407
Delta R.T. 0.003 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

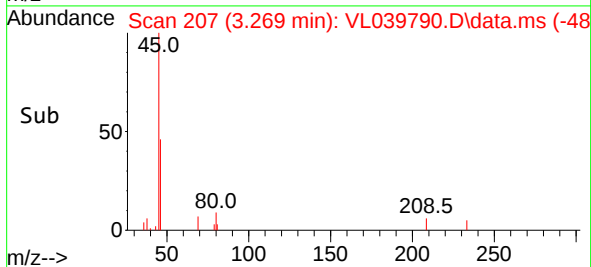
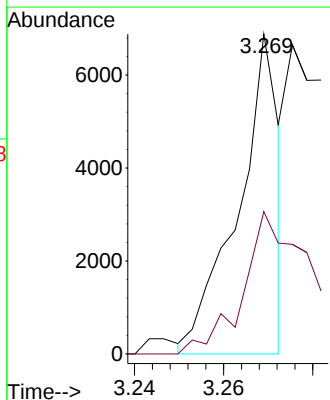
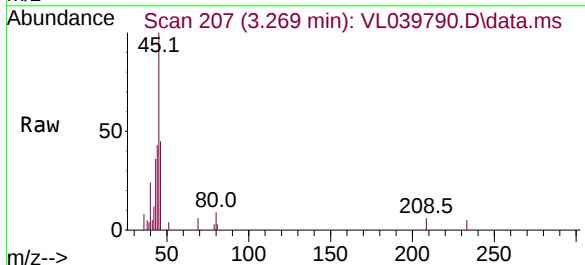
Instrument :
MSVOA_L
ClientSampleId :
AA-1

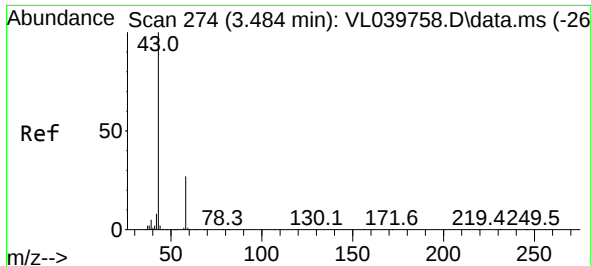
Tgt Ion:101 Resp: 5893
Ion Ratio Lower Upper
101 100
151 96.6 56.6 84.8#



#13
Ethanol
Concen: 1.353 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.010 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Tgt Ion: 45 Resp: 4387
Ion Ratio Lower Upper
45 100
46 89.0 15.3 61.3#

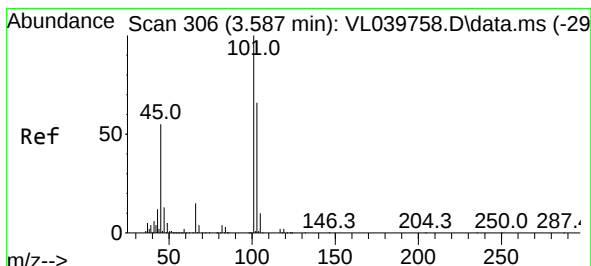
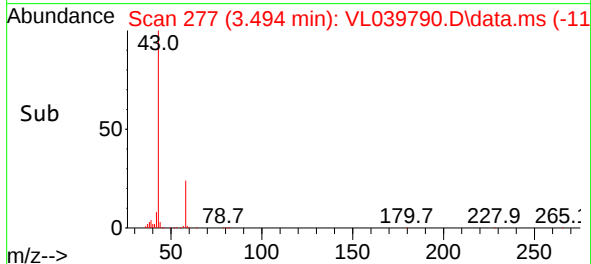
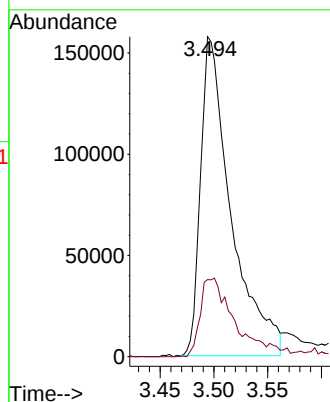
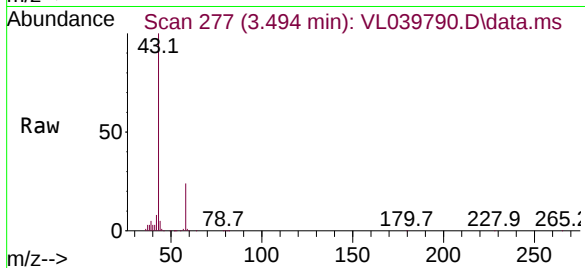




#15
Acetone
Concen: 2.976 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

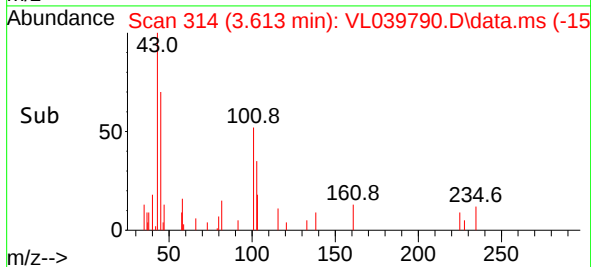
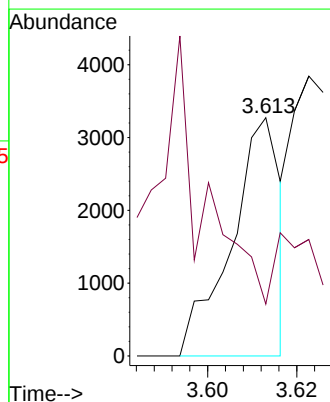
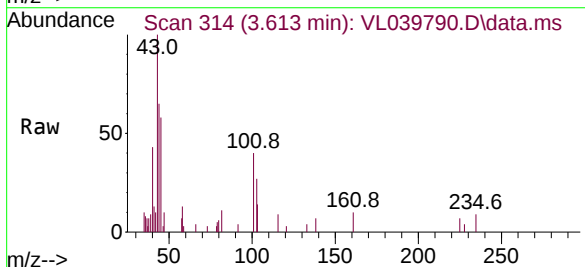
Instrument :
MSVOA_L
ClientSampleId :
AA-1

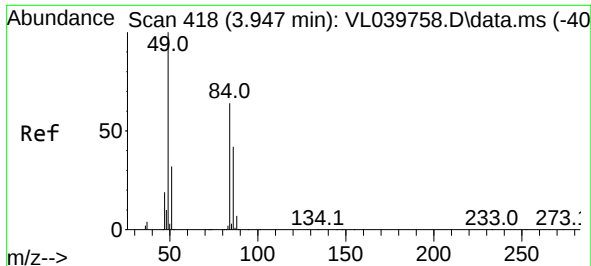
Tgt Ion: 43 Resp: 310899
Ion Ratio Lower Upper
43 100
58 30.3 20.7 31.1



#19
Isopropyl Alcohol
Concen: 0.051 ppbv
RT: 3.613 min Scan# 314
Delta R.T. 0.026 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Tgt Ion: 45 Resp: 2512
Ion Ratio Lower Upper
45 100
58 134.4 2.8 4.2#



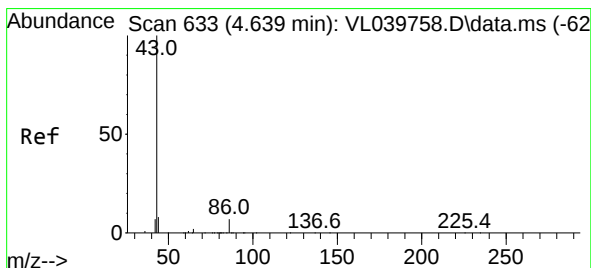
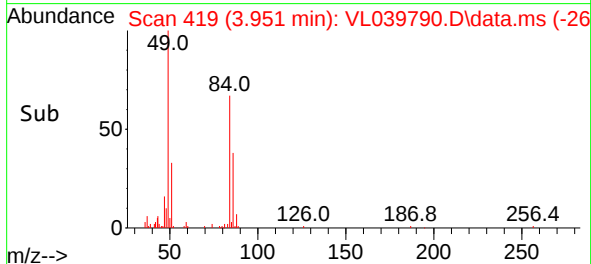
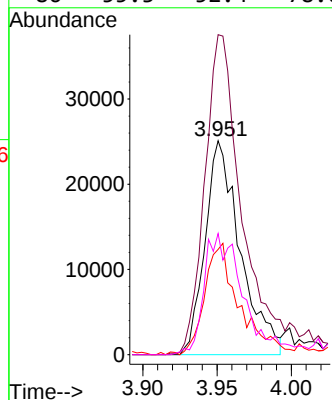
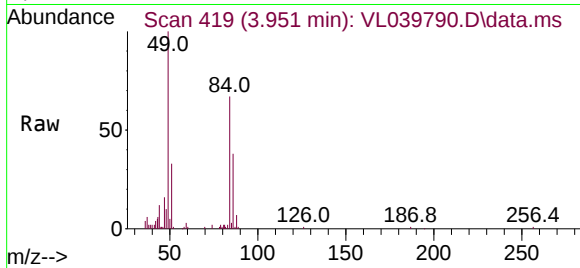


#20
Methylene Chloride
Concen: 1.040 ppbv
RT: 3.951 min Scan# 418
Delta R.T. 0.003 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 84 Resp: 41351

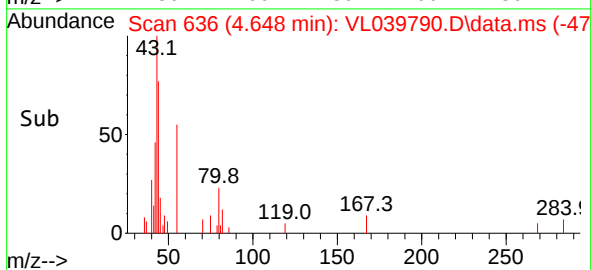
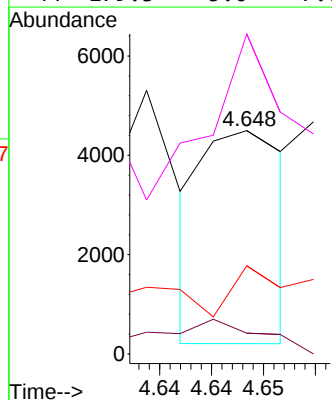
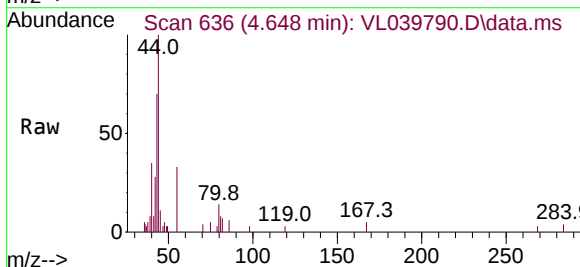
Ion	Ratio	Lower	Upper
84	100		
49	148.5	126.0	189.0
51	49.2	40.9	61.3
86	55.3	52.4	78.6

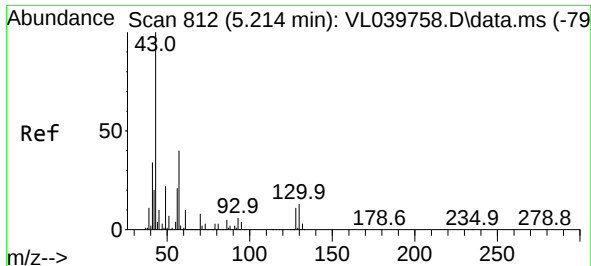


#23
Vinyl Acetate
Concen: 0.059 ppbv
RT: 4.648 min Scan# 636
Delta R.T. 0.010 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Tgt Ion: 43 Resp: 2361

Ion	Ratio	Lower	Upper
43	100		
86	2.1	4.9	7.3#
42	38.7	7.2	10.8#
44	179.3	5.0	7.6#

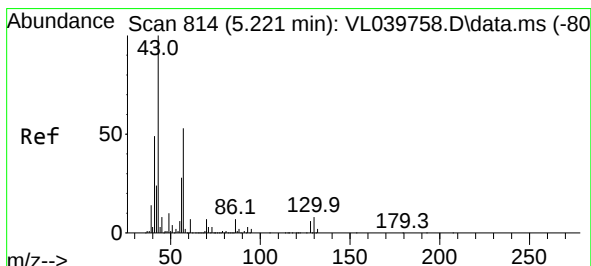
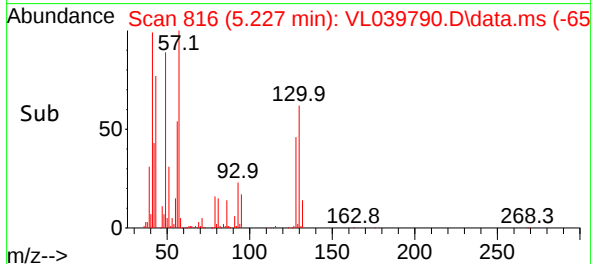
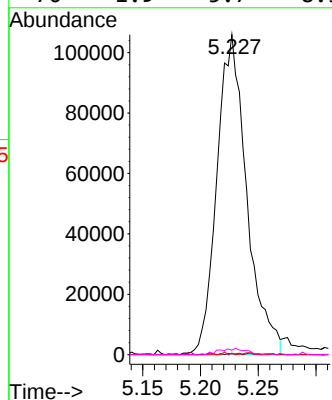
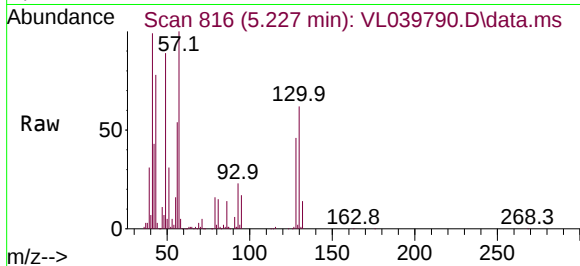




#25
Ethyl Acetate
Concen: 0.931 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.013 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

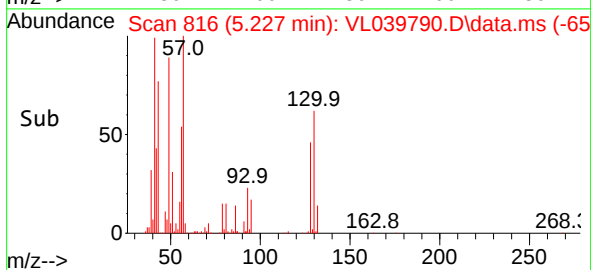
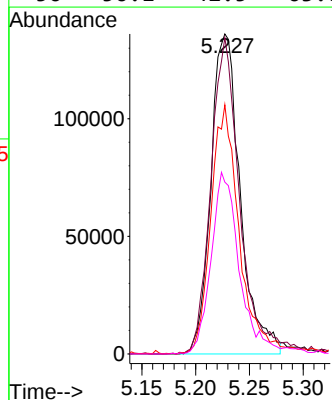
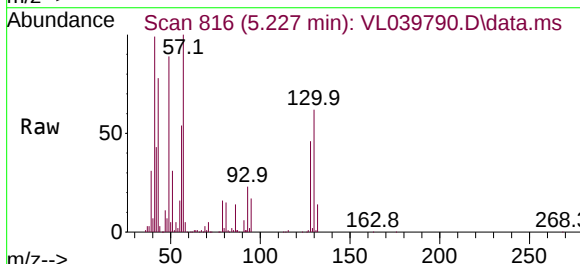
Instrument :
MSVOA_L
ClientSampleId :
AA-1

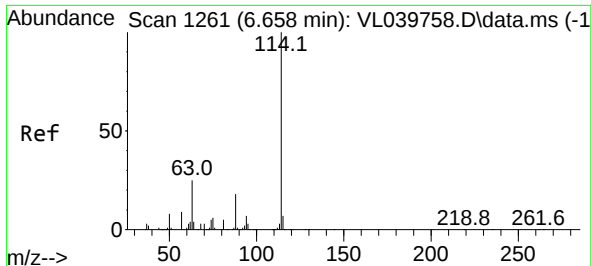
Tgt Ion: 43 Resp: 190179
Ion Ratio Lower Upper
43 100
45 0.4 8.2 12.2#
61 0.3 8.2 12.4#
70 1.9 5.7 8.5#



#26
Hexane
Concen: 3.040 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.006 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Tgt Ion: 57 Resp: 258137
Ion Ratio Lower Upper
57 100
41 99.2 76.1 114.1
43 77.5 197.1 295.7#
56 56.1 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL039790.D

Acq: 25 Oct 2022 16:32

Instrument :

MSVOA_L

ClientSampleId :

AA-1

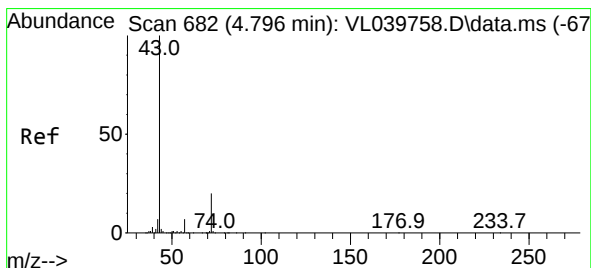
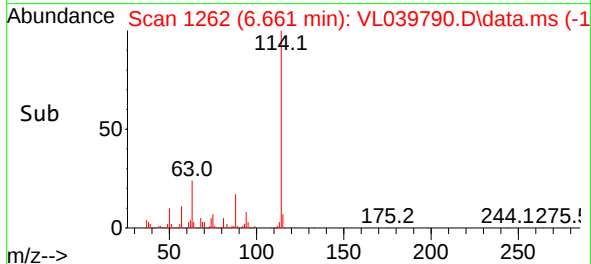
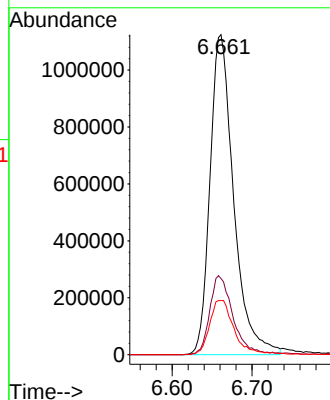
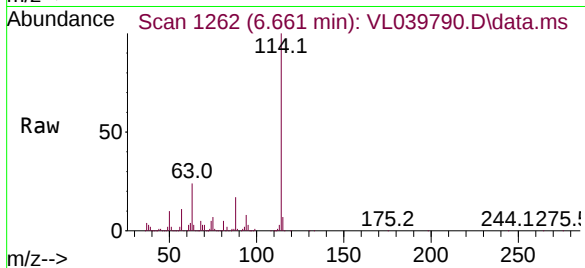
Tgt Ion:114 Resp: 2309917

Ion Ratio Lower Upper

114 100

63 24.9 20.1 30.1

88 17.8 14.5 21.7



#34

2-Butanone

Concen: 0.065 ppbv

RT: 4.816 min Scan# 688

Delta R.T. 0.019 min

Lab File: VL039790.D

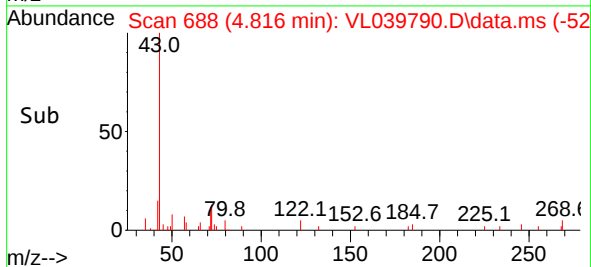
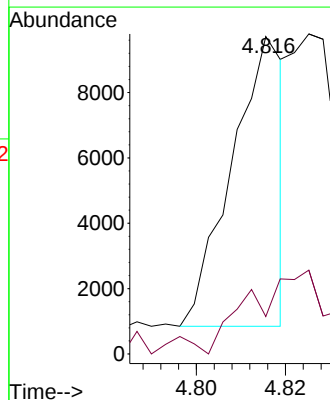
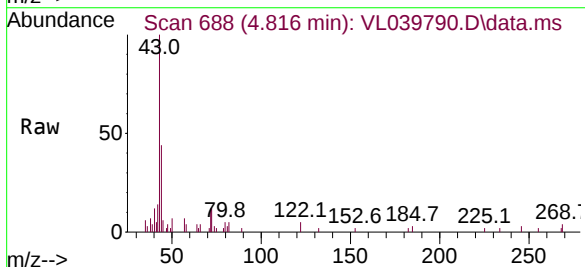
Acq: 25 Oct 2022 16:32

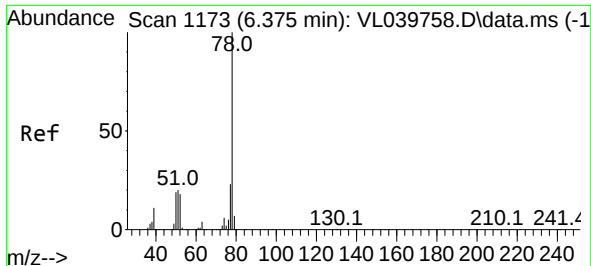
Tgt Ion: 43 Resp: 7111

Ion Ratio Lower Upper

43 100

72 36.5 16.5 24.7#

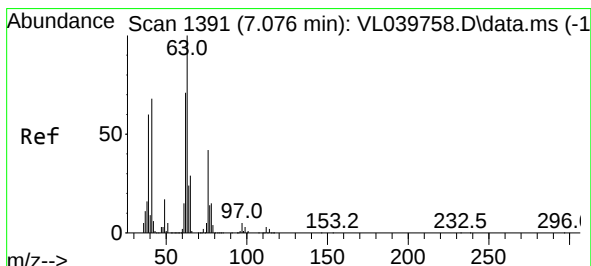
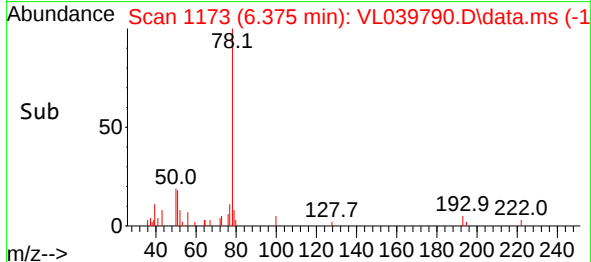
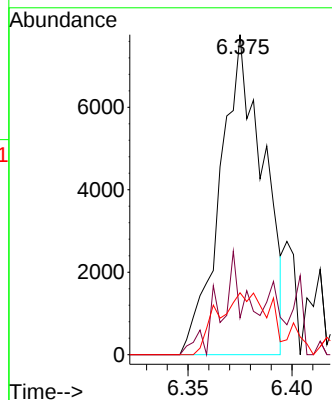
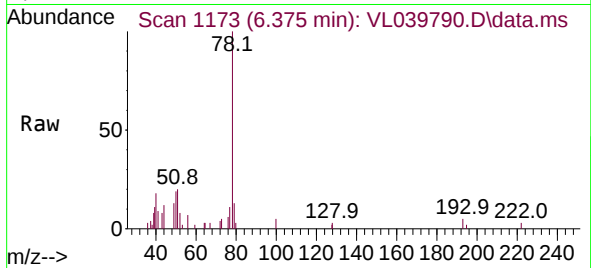




#36
Benzene
Concen: 0.063 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

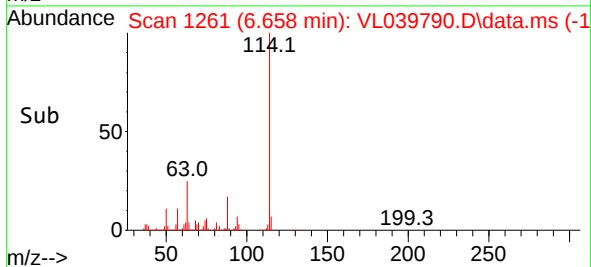
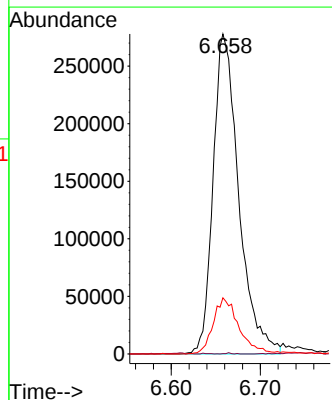
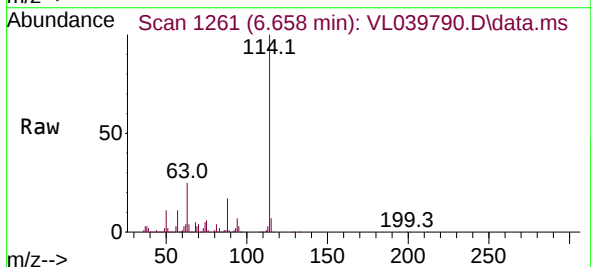
Instrument : MSVOA_L
ClientSampleId : AA-1

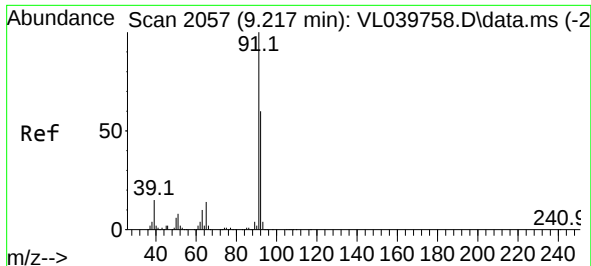
Tgt Ion: 78 Resp: 11147
Ion Ratio Lower Upper
78 100
77 11.5 18.3 27.5#
50 39.8 15.2 22.8#



#39
1,2-Dichloropropane
Concen: 8.105 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.418 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Tgt Ion: 63 Resp: 555455
Ion Ratio Lower Upper
63 100
41 0.0 54.5 81.7#
62 17.6 56.6 85.0#

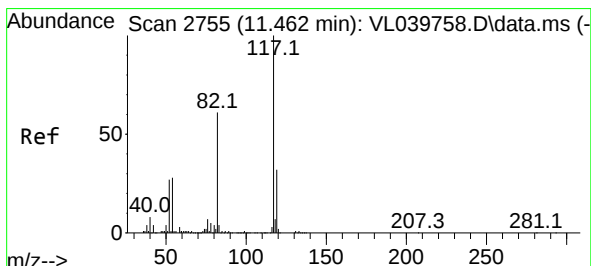
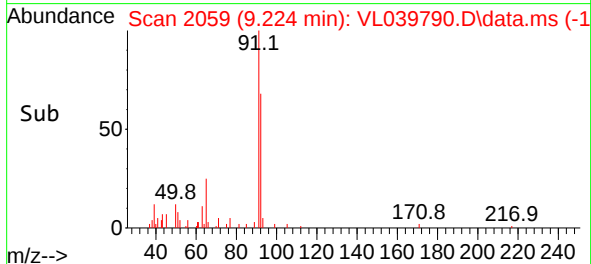
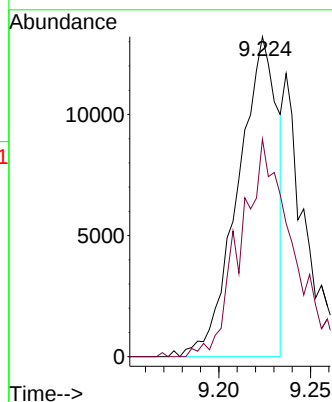
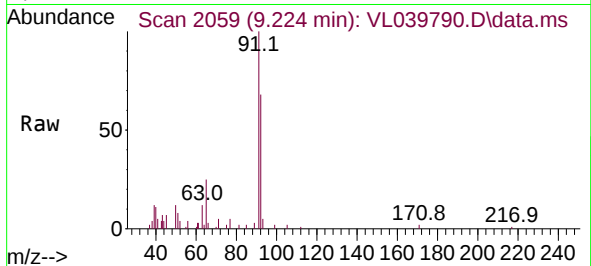




#53
Toluene
Concen: 0.106 ppbv
RT: 9.224 min Scan# 2057
Delta R.T. 0.007 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

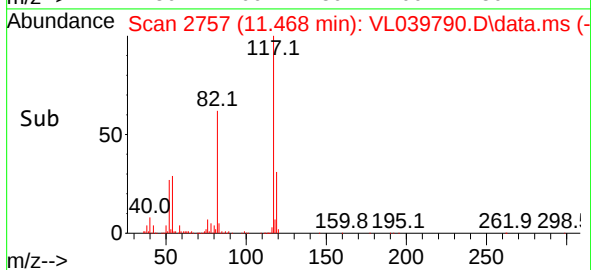
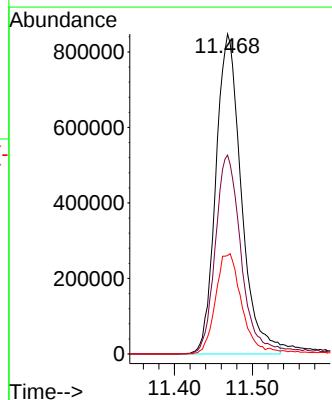
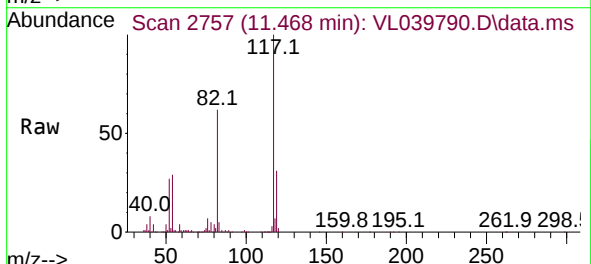
Instrument :
MSVOA_L
ClientSampleId :
AA-1

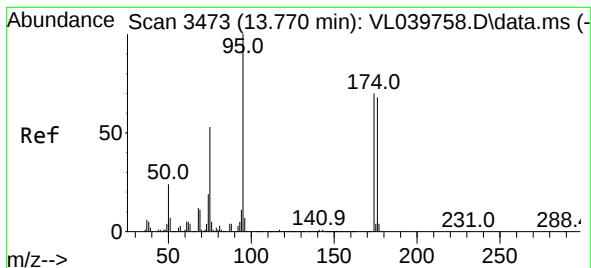
Tgt Ion: 91 Resp: 19784
Ion Ratio Lower Upper
91 100
92 93.0 48.0 72.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.006 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Tgt Ion: 117 Resp: 1921979
Ion Ratio Lower Upper
117 100
82 65.1 49.9 74.9
119 33.1 25.2 37.8

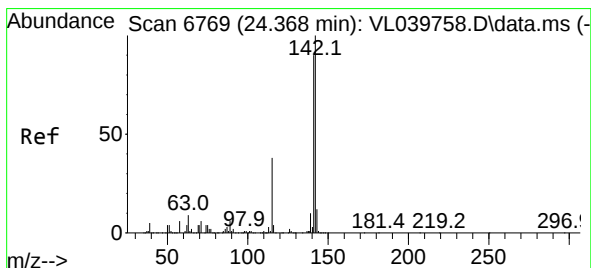
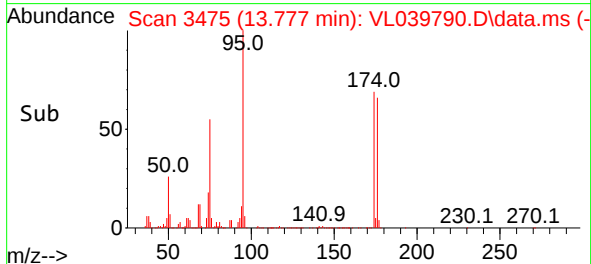
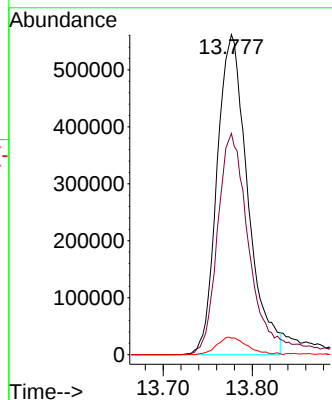
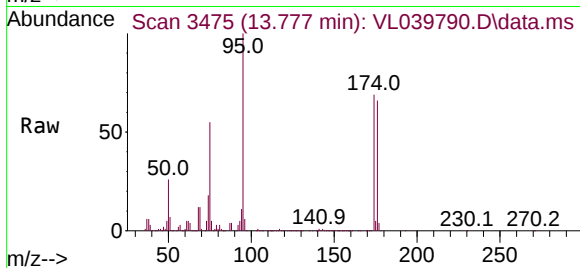




#68
1-Bromo-4-Fluorobenzene
Concen: 9.783 ppbv
RT: 13.777 min Scan# 3473
Delta R.T. 0.006 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 95 Resp: 1337619
Ion Ratio Lower Upper
95 100
174 76.3 57.3 85.9
175 5.8 4.2 6.2



#80
Naphthalene,2-methyl-
Concen: 0.059 ppbv
RT: 24.387 min Scan# 6775
Delta R.T. 0.019 min
Lab File: VL039790.D
Acq: 25 Oct 2022 16:32

Tgt Ion:142 Resp: 2666
Ion Ratio Lower Upper
142 100
141 53.1 65.7 98.5#
115 28.8 28.3 42.5

