

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039782.D
 Acq On : 25 Oct 2022 7:26
 Operator : SY/AP
 Sample : N5227-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 G

Quant Time: Oct 27 16:50:51 2022
 Quant Title :
 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	5.202	49	928618	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2393371	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2122672	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.767	95	1500365	9.936	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%

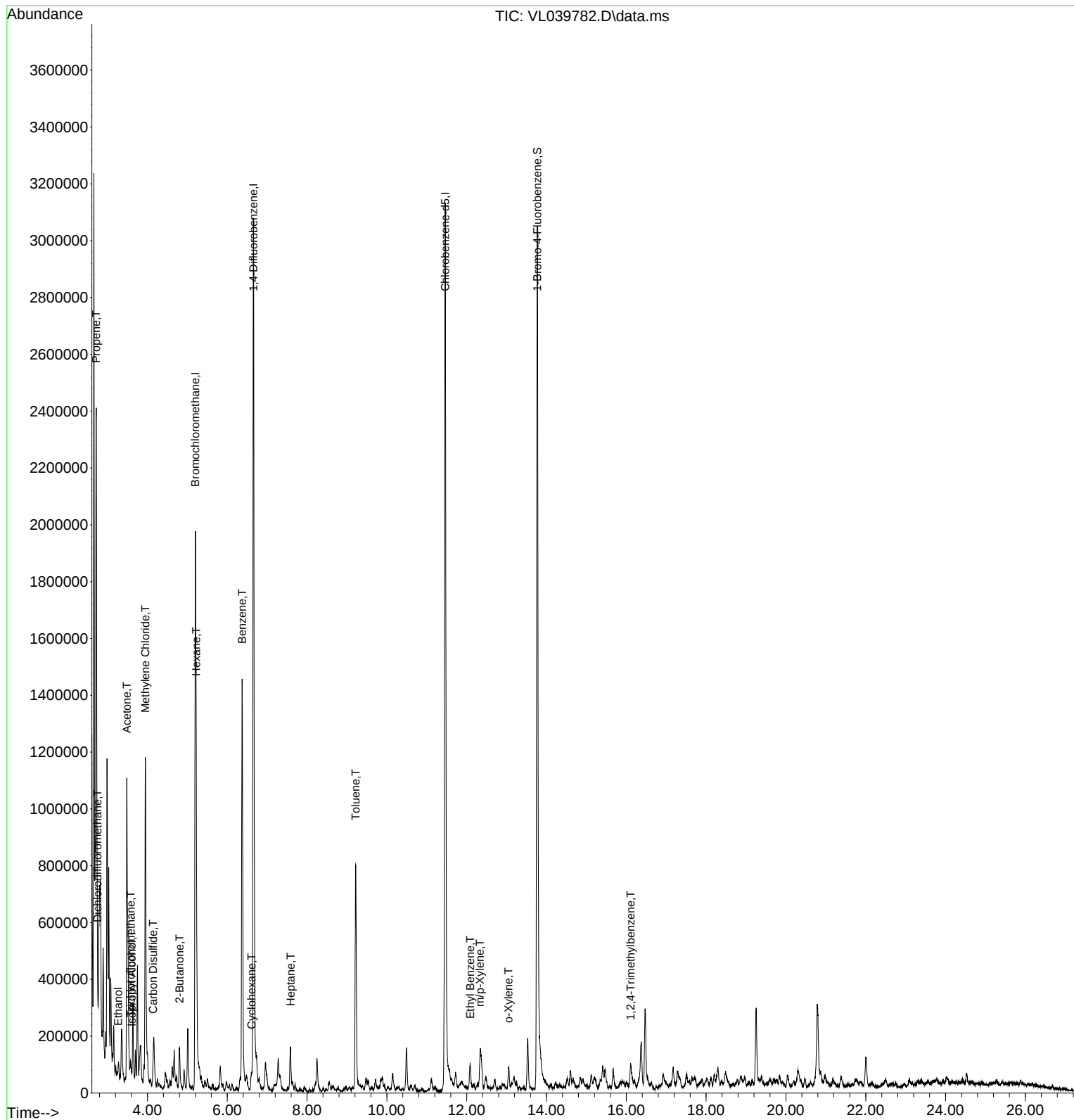
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.748	85	25086	0.258	ppbv	100
9) Propene	2.716	41	951064	19.844	ppbv	89
10) Heptane	7.587	43	55996m	0.488	ppbv	
11) Trichlorofluoromethane	3.581	101	29352	0.216	ppbv #	70
13) Ethanol	3.263	45	38773m	11.264	ppbv	
15) Acetone	3.481	43	1304017	11.757	ppbv	99
19) Isopropyl Alcohol	3.607	45	35301m	0.679	ppbv	
20) Methylene Chloride	3.948	84	416488	9.870	ppbv	98
26) Hexane	5.221	57	302097	3.350	ppbv #	36
27) Carbon Disulfide	4.140	76	57390	0.536	ppbv #	90
30) Cyclohexane	6.607	84	16105m	0.218	ppbv	
34) 2-Butanone	4.803	43	171405	1.522	ppbv	97
36) Benzene	6.375	78	1236730	6.710	ppbv	96
53) Toluene	9.217	91	628238	3.253	ppbv	98
58) Ethyl Benzene	12.086	91	76189m	0.315	ppbv	
59) m/p-Xylene	12.333	91	155853m	0.714	ppbv	
60) o-Xylene	13.050	91	60989m	0.298	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	53298m	0.223	ppbv	

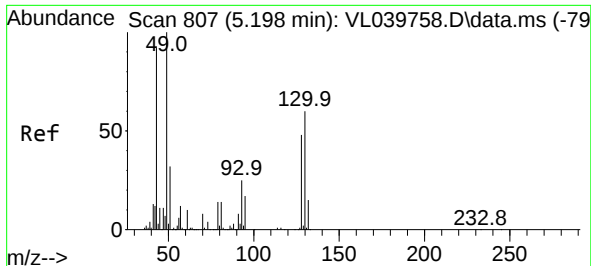
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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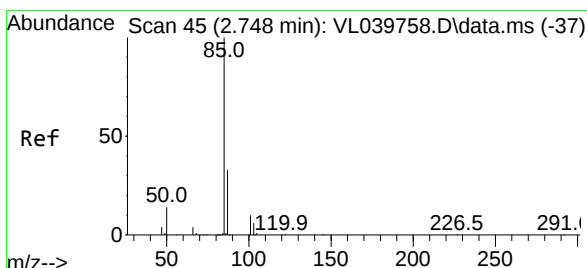
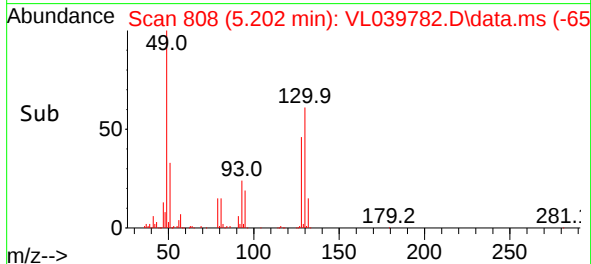
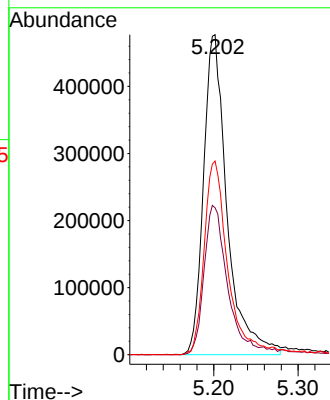
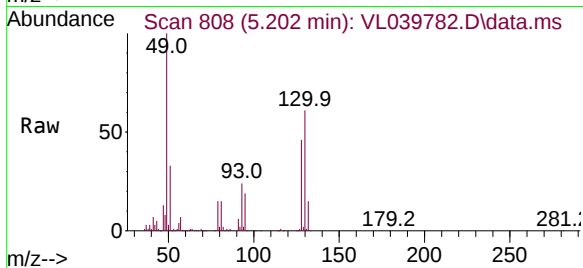




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

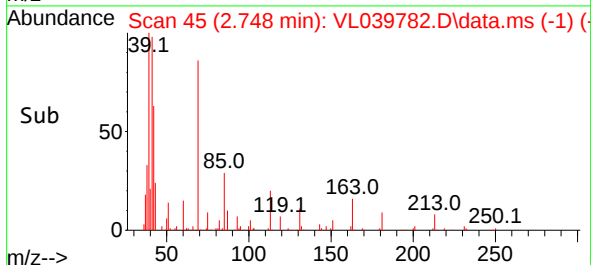
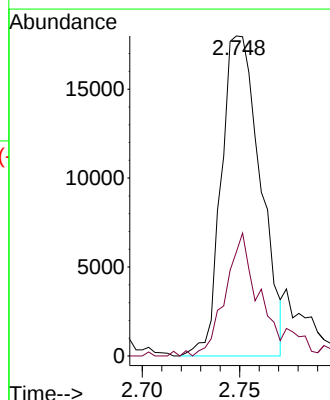
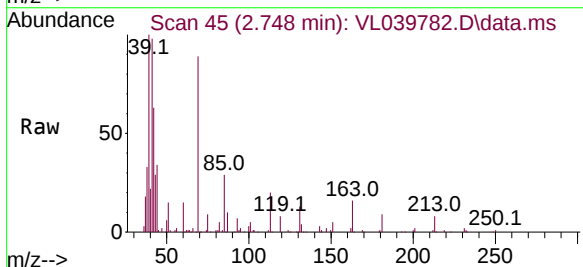
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MSVOA_L
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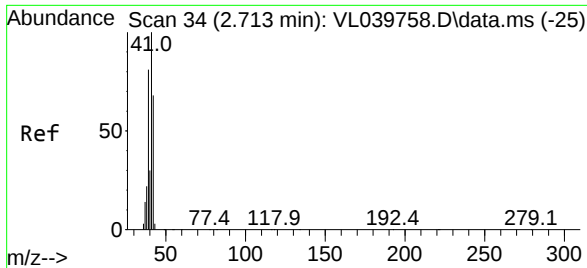
Tgt Ion: 49 Resp: 928618
Ion Ratio Lower Upper
49 100
128 49.1 24.6 74.0
130 63.4 31.8 95.3



#2
Dichlorodifluoromethane
Concen: 0.258 ppbv
RT: 2.748 min Scan# 45
Delta R.T. 0.000 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Tgt Ion: 85 Resp: 25086
Ion Ratio Lower Upper
85 100
87 32.5 26.1 39.1





#9

Propene

Concen: 19.844 ppbv

RT: 2.716 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL039782.D

Acq: 25 Oct 2022 7:26

Instrument :

MSVOA_L

ClientSampleId :

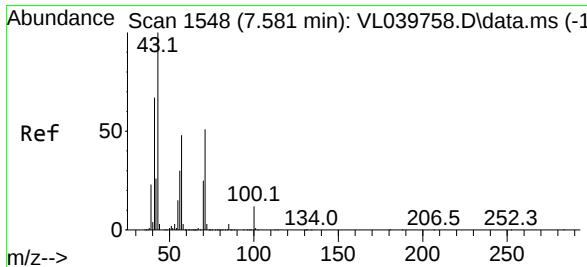
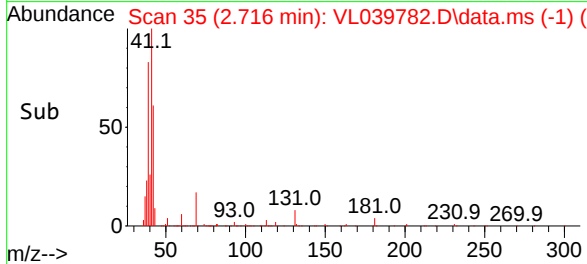
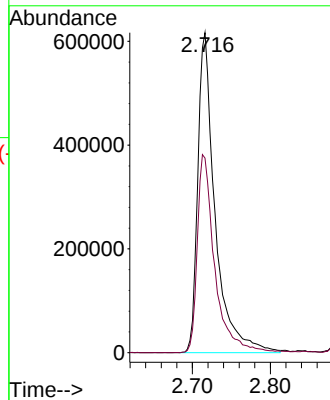
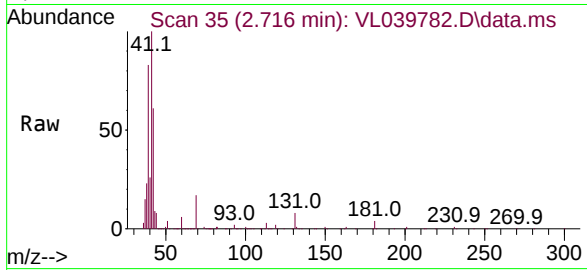
G

Tgt Ion: 41 Resp: 951064

Ion Ratio Lower Upper

41 100

42 63.0 58.0 87.0



#10

Heptane

Concen: 0.488 ppbv m

RT: 7.587 min Scan# 1550

Delta R.T. 0.007 min

Lab File: VL039782.D

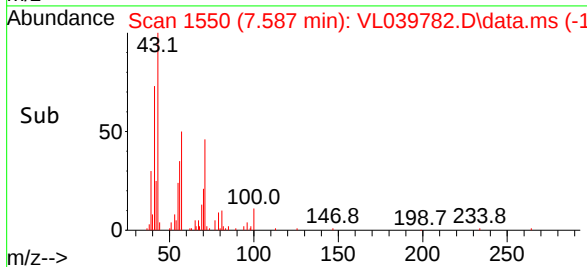
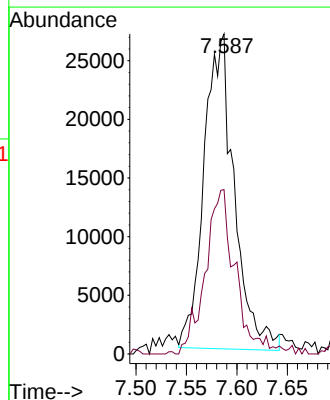
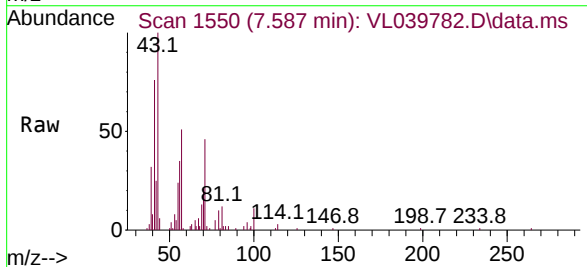
Acq: 25 Oct 2022 7:26

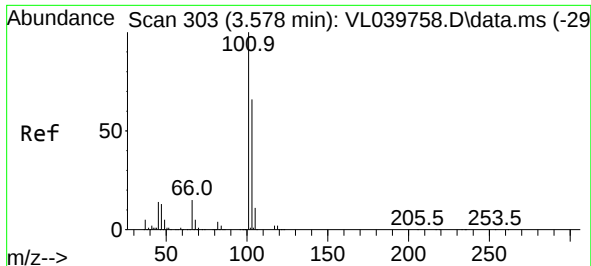
Tgt Ion: 43 Resp: 55996

Ion Ratio Lower Upper

43 100

57 52.5 40.0 60.0

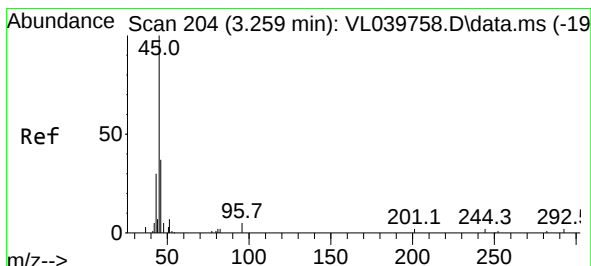
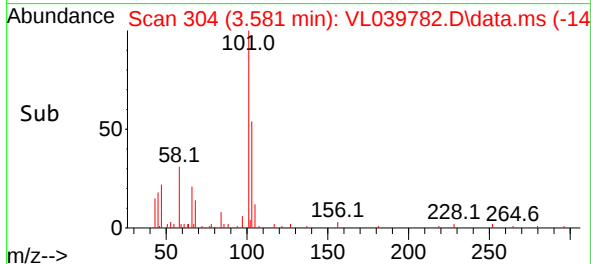
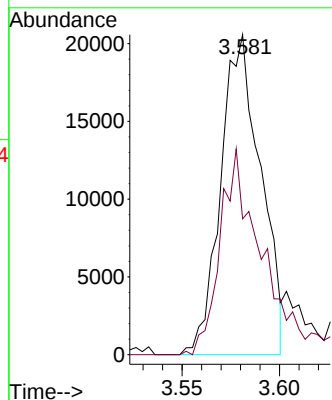
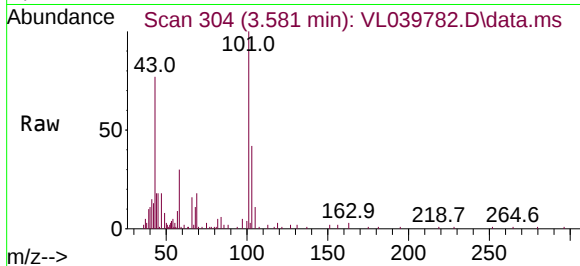




#11
 Trichlorofluoromethane
 Concen: 0.216 ppbv
 RT: 3.581 min Scan# 303
 Delta R.T. 0.003 min
 Lab File: VL039782.D
 Acq: 25 Oct 2022 7:26

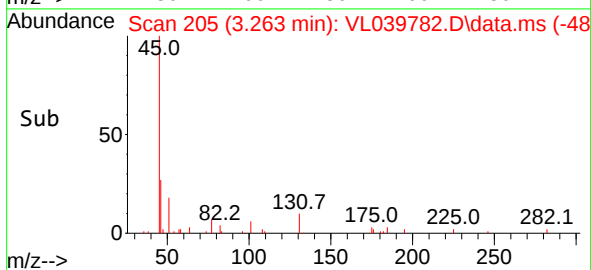
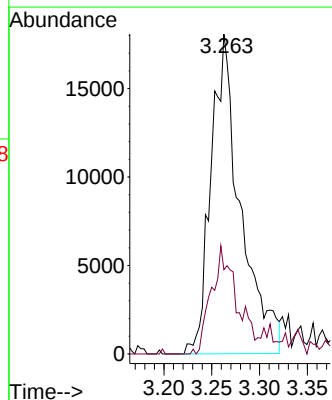
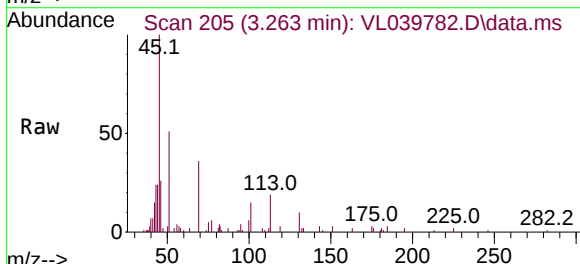
Instrument :
 MSVOA_L
 ClientSampleId :
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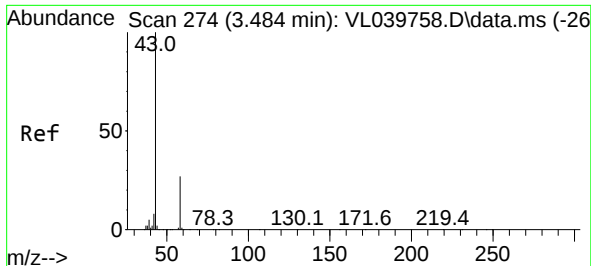
Tgt Ion:101 Resp: 29352
 Ion Ratio Lower Upper
 101 100
 103 42.5 52.7 79.1#



#13
 Ethanol
 Concen: 11.264 ppbv m
 RT: 3.263 min Scan# 205
 Delta R.T. 0.003 min
 Lab File: VL039782.D
 Acq: 25 Oct 2022 7:26

Tgt Ion: 45 Resp: 38773
 Ion Ratio Lower Upper
 45 100
 46 34.1 15.3 61.3

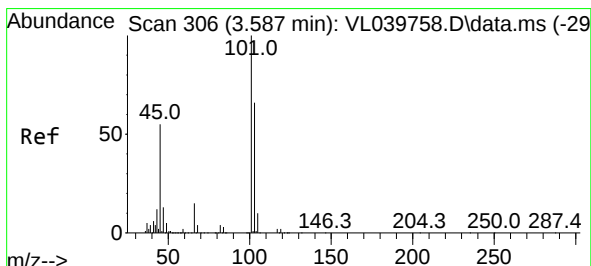
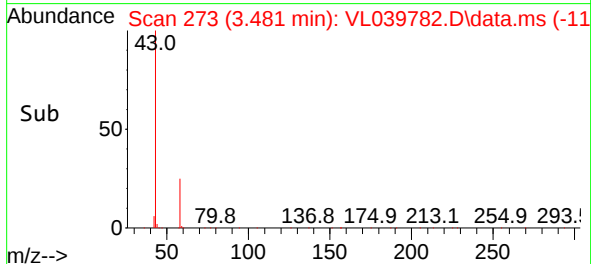
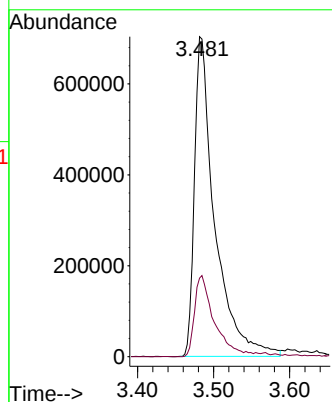
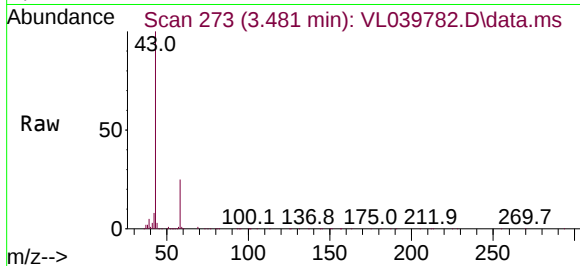




#15
Acetone
Concen: 11.757 ppbv
RT: 3.481 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

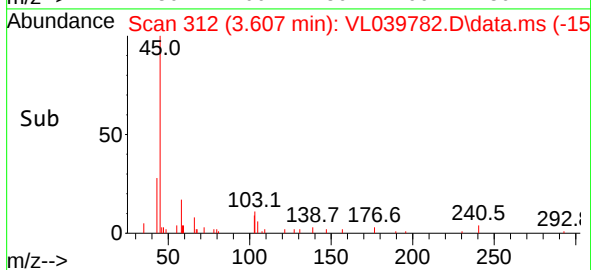
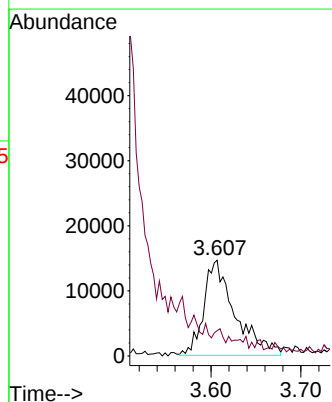
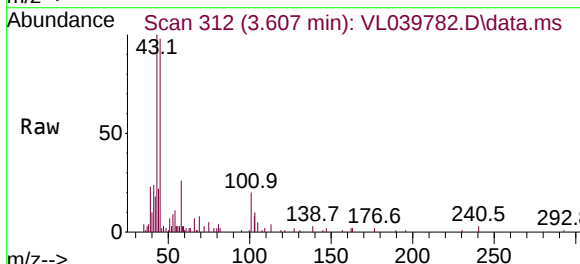
Instrument :
MSVOA_L
ClientSampleId :
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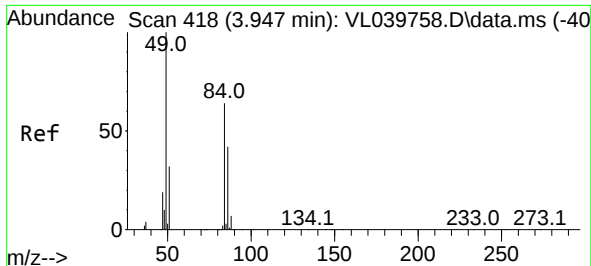
Tgt Ion: 43 Resp: 1304017
Ion Ratio Lower Upper
43 100
58 26.5 20.7 31.1



#19
Isopropyl Alcohol
Concen: 0.679 ppbv m
RT: 3.607 min Scan# 312
Delta R.T. 0.019 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Tgt Ion: 45 Resp: 35301
Ion Ratio Lower Upper
45 100
58 0.0 2.8 4.2#



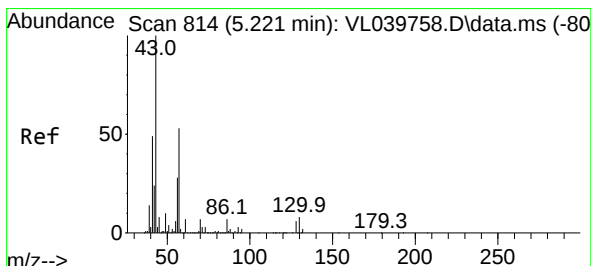
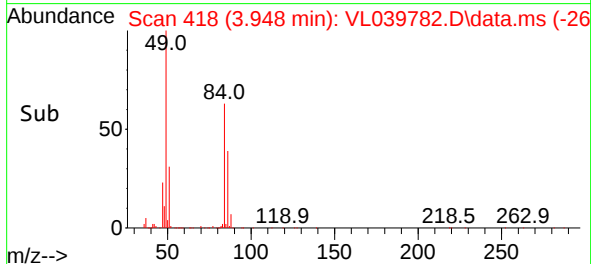
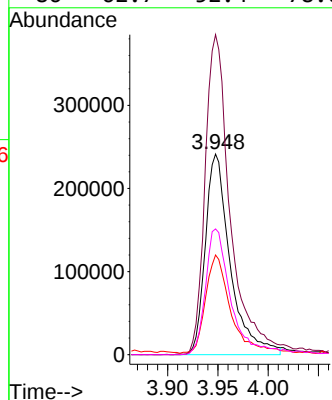
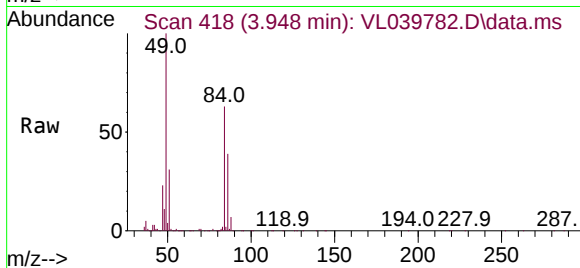


#20
Methylene Chloride
Concen: 9.870 ppbv
RT: 3.948 min Scan# 418
Delta R.T. 0.000 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Instrument :
MSVOA_L
ClientSampleId :
G

Tgt Ion: 84 Resp: 416488

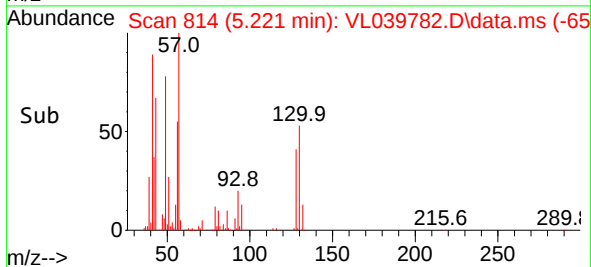
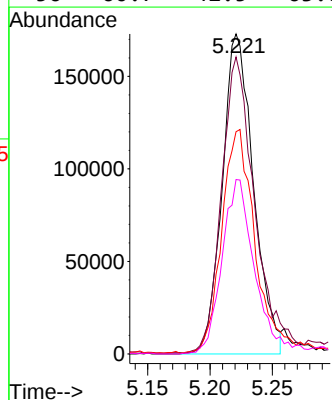
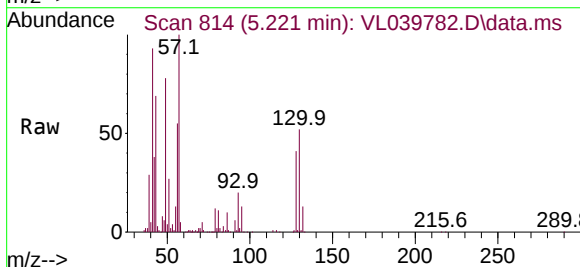
Ion	Ratio	Lower	Upper
84	100		
49	159.1	126.0	189.0
51	48.7	40.9	61.3
86	62.7	52.4	78.6

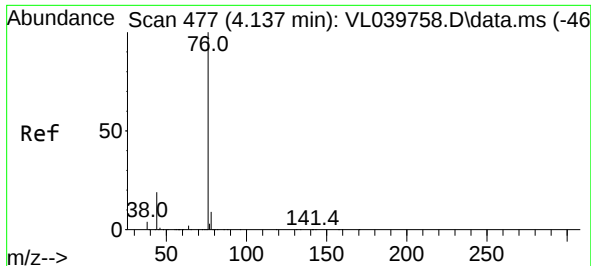


#26
Hexane
Concen: 3.350 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Tgt Ion: 57 Resp: 302097

Ion	Ratio	Lower	Upper
57	100		
41	103.3	76.1	114.1
43	80.0	197.1	295.7#
56	60.7	42.5	63.7

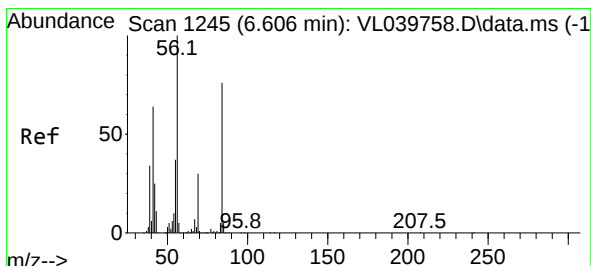
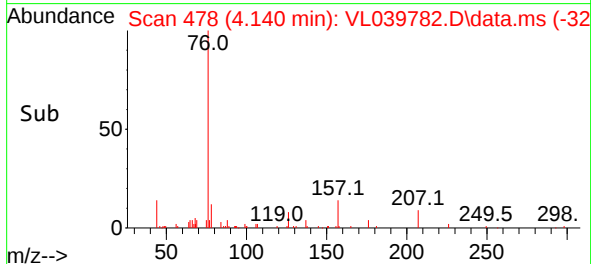
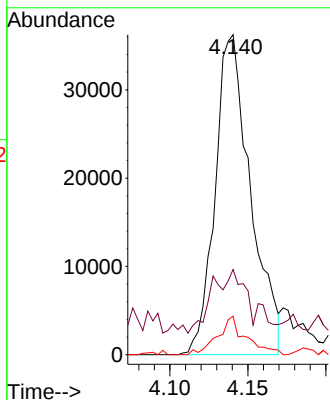
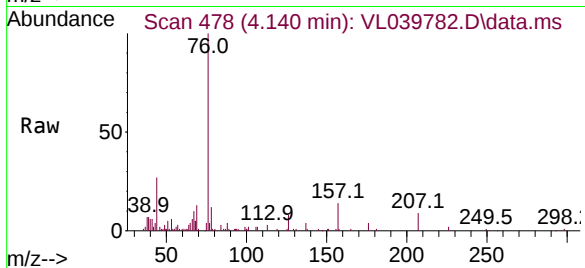




#27
Carbon Disulfide
Concen: 0.536 ppbv
RT: 4.140 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

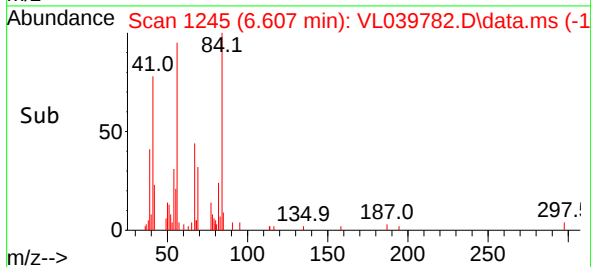
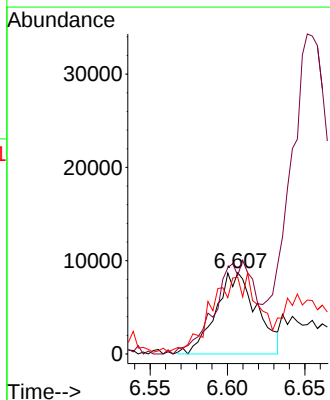
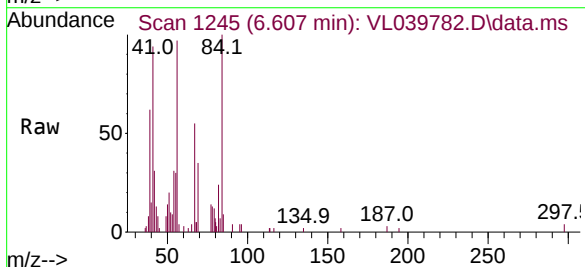
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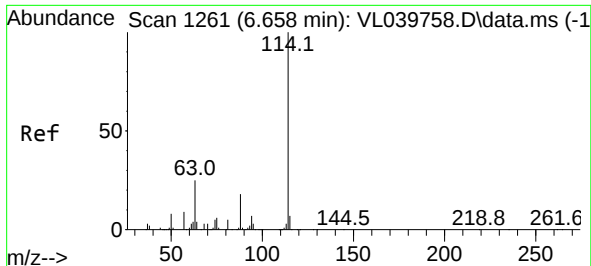
Tgt Ion: 76 Resp: 57390
Ion Ratio Lower Upper
76 100
44 27.5 16.6 25.0#
78 9.6 7.6 11.4



#30
Cyclohexane
Concen: 0.218 ppbv m
RT: 6.607 min Scan# 1245
Delta R.T. 0.000 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Tgt Ion: 84 Resp: 16105
Ion Ratio Lower Upper
84 100
56 0.0 111.8 167.6#
41 107.4 71.5 107.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL039782.D

Acq: 25 Oct 2022 7:26

Instrument :

MSVOA_L

ClientSampleId :

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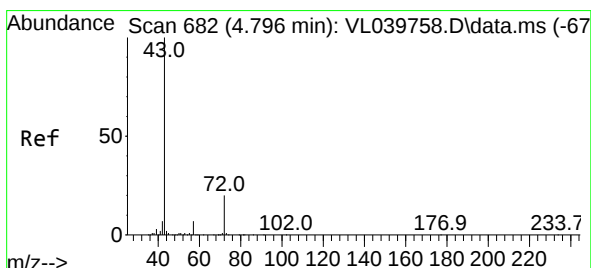
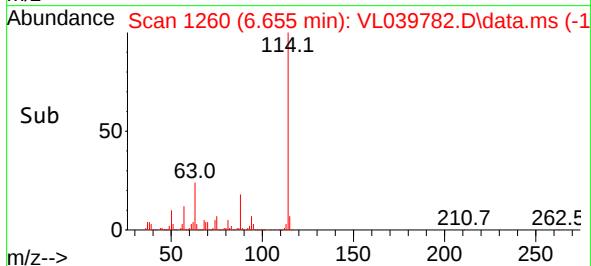
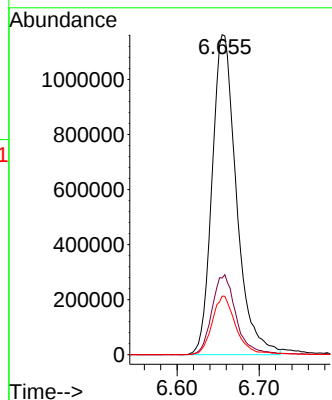
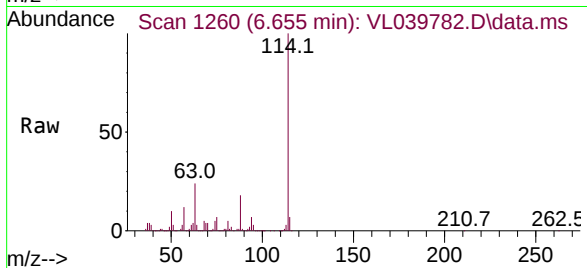
Tgt Ion:114 Resp: 2393371

Ion Ratio Lower Upper

114 100

63 25.3 20.1 30.1

88 18.2 14.5 21.7



#34

2-Butanone

Concen: 1.522 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.007 min

Lab File: VL039782.D

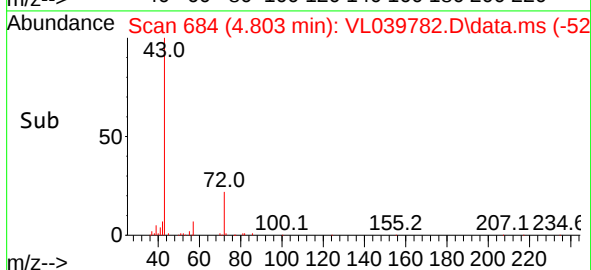
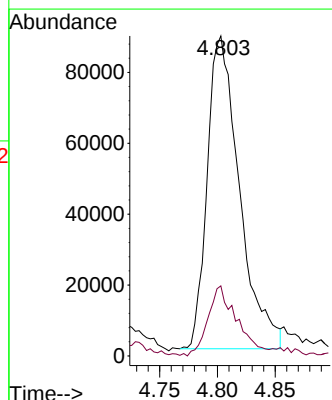
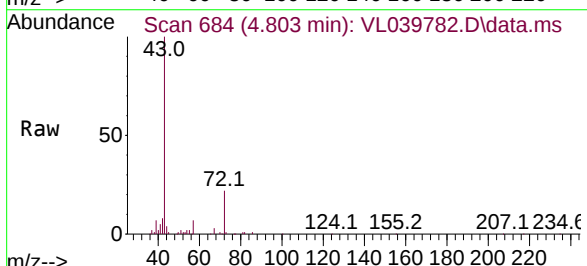
Acq: 25 Oct 2022 7:26

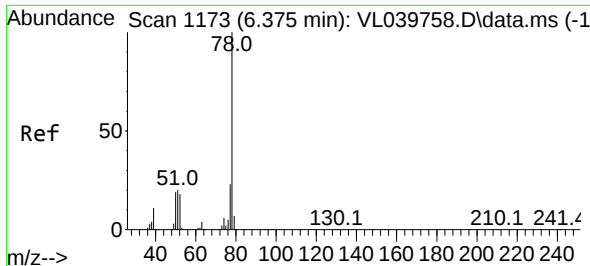
Tgt Ion: 43 Resp: 171405

Ion Ratio Lower Upper

43 100

72 21.8 16.5 24.7



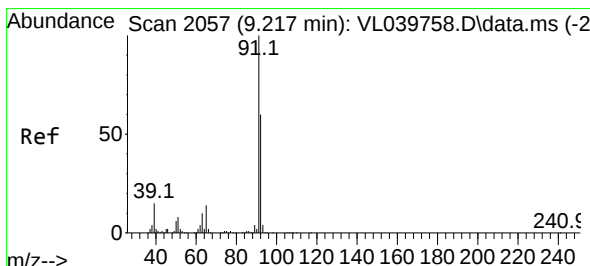
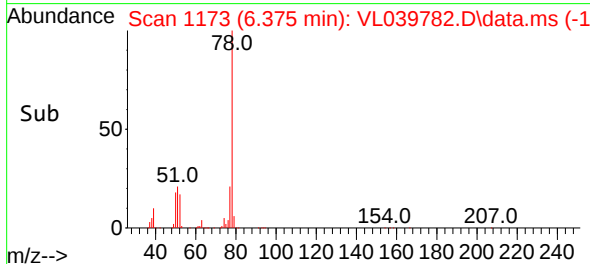
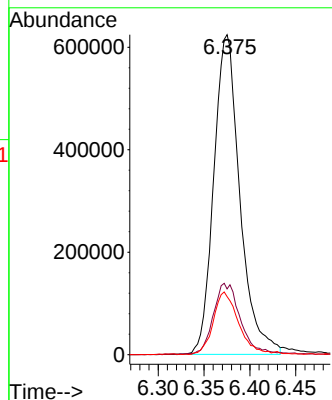
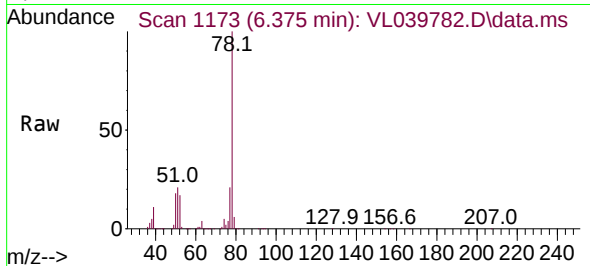


#36
Benzene
Concen: 6.710 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.000 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 78 Resp: 1236730

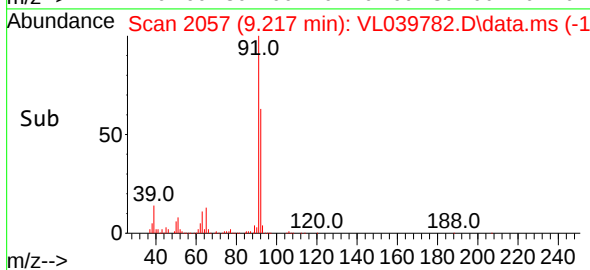
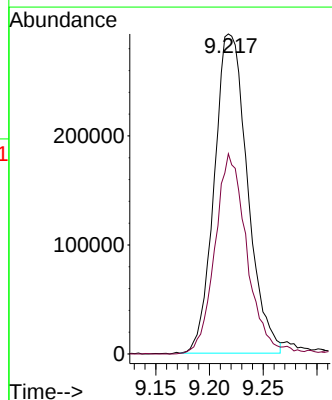
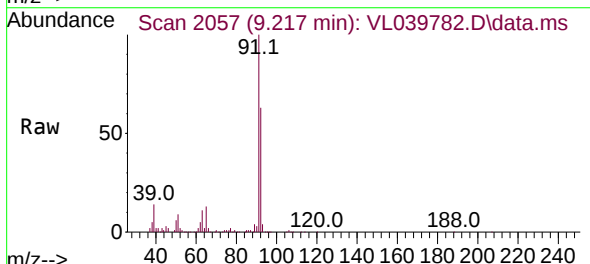
Ion	Ratio	Lower	Upper
78	100		
77	20.3	18.3	27.5
50	18.1	15.2	22.8

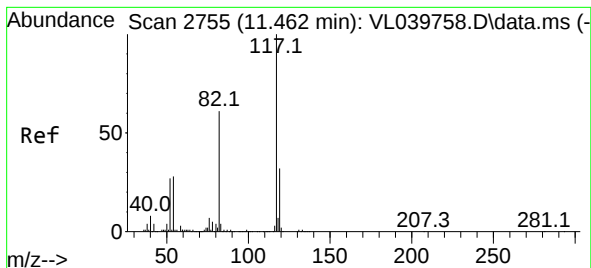


#53
Toluene
Concen: 3.253 ppbv
RT: 9.217 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Tgt Ion: 91 Resp: 628238

Ion	Ratio	Lower	Upper
91	100		
92	61.2	48.0	72.0

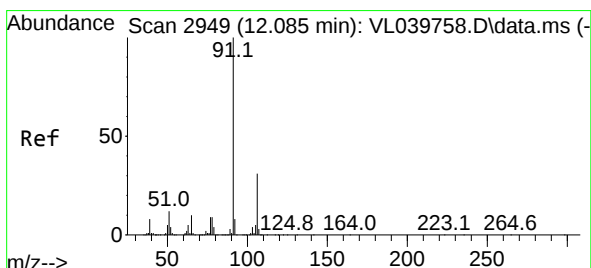
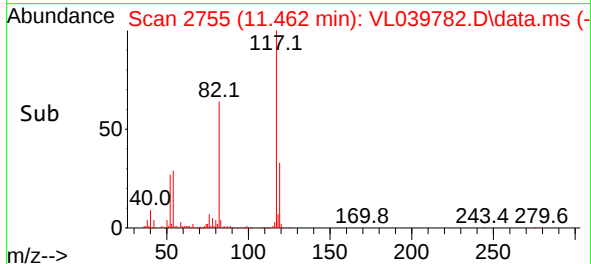
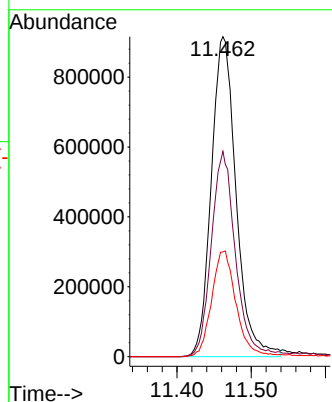
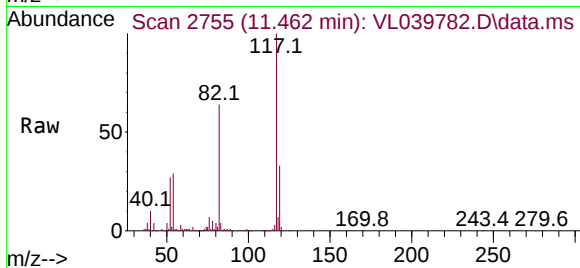




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

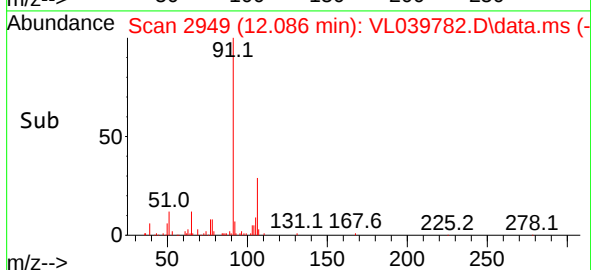
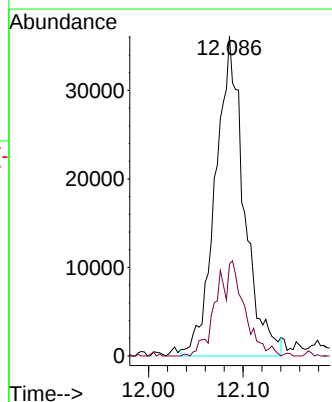
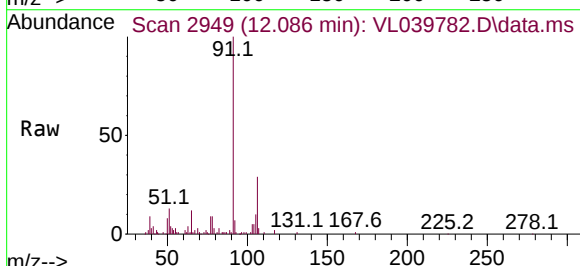
Instrument :
MSVOA_L
ClientSampleId :
G

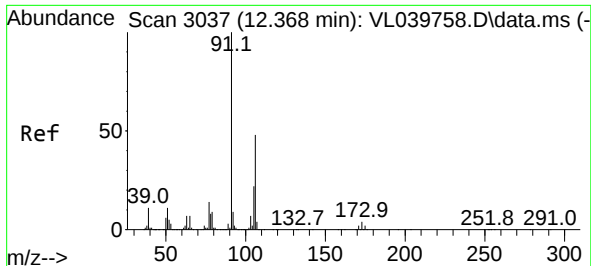
Tgt Ion:117 Resp: 2122672
Ion Ratio Lower Upper
117 100
82 63.2 49.9 74.9
119 33.4 25.2 37.8



#58
Ethyl Benzene
Concen: 0.315 ppbv m
RT: 12.086 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Tgt Ion: 91 Resp: 76189
Ion Ratio Lower Upper
91 100
106 28.7 24.6 36.8





#59

m/p-Xylene

Concen: 0.714 ppbv m

RT: 12.333 min Scan# 3037

Delta R.T. -0.035 min

Lab File: VL039782.D

Acq: 25 Oct 2022 7:26

Instrument :

MSVOA_L

ClientSampleId :

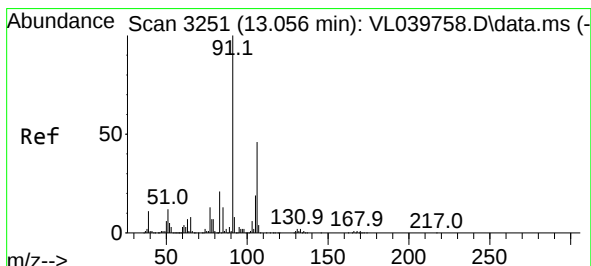
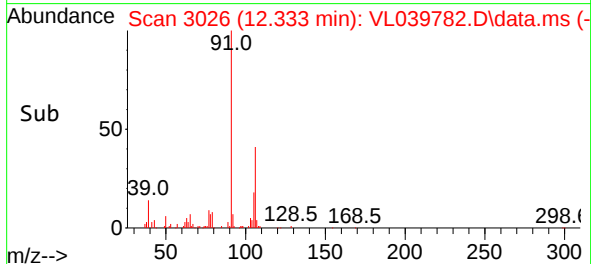
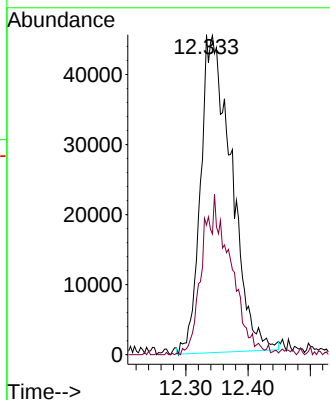
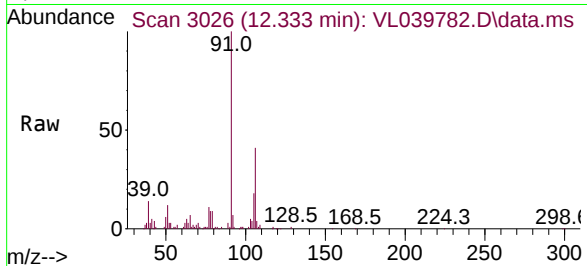
G

Tgt Ion: 91 Resp: 155853

Ion Ratio Lower Upper

91 100

106 0.0 36.4 54.6#



#60

o-Xylene

Concen: 0.298 ppbv m

RT: 13.050 min Scan# 3249

Delta R.T. -0.006 min

Lab File: VL039782.D

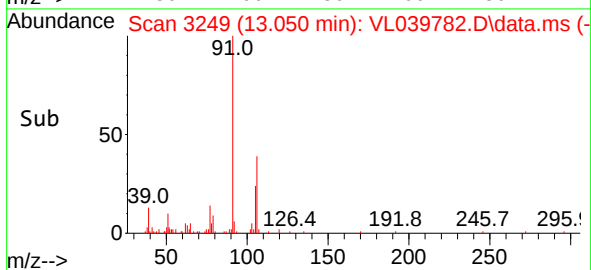
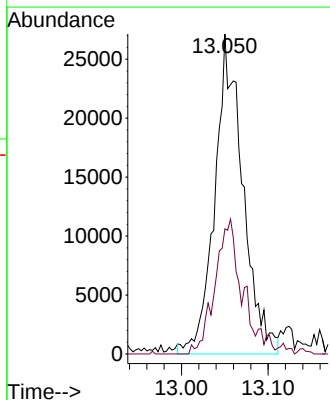
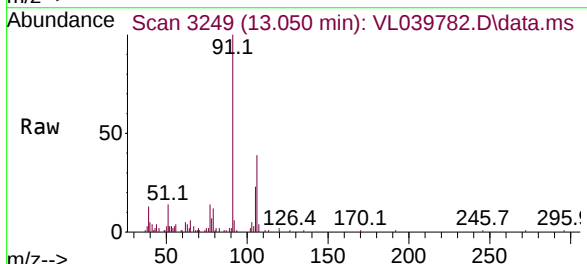
Acq: 25 Oct 2022 7:26

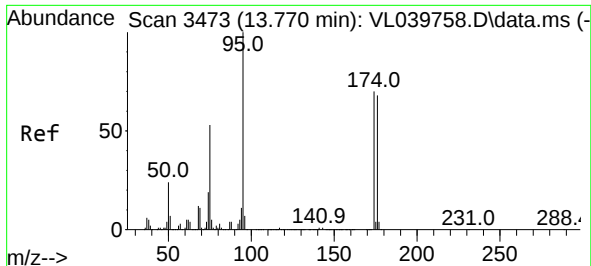
Tgt Ion: 91 Resp: 60989

Ion Ratio Lower Upper

91 100

106 42.8 22.9 68.8

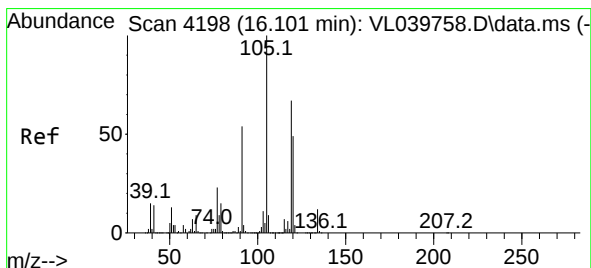
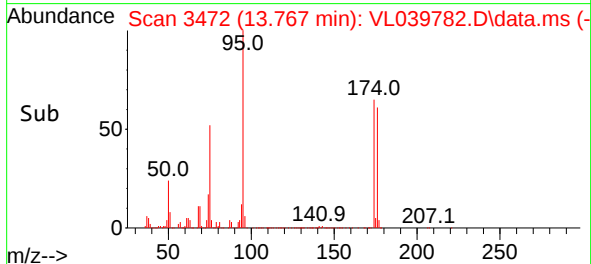
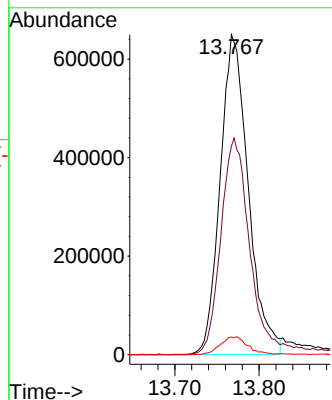
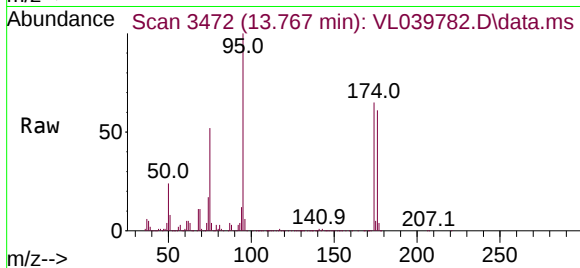




#68
1-Bromo-4-Fluorobenzene
Concen: 9.936 ppbv
RT: 13.767 min Scan# 3473
Delta R.T. -0.003 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Instrument :
MSVOA_L
ClientSampleId :
G

Tgt Ion: 95 Resp: 1500365
Ion Ratio Lower Upper
95 100
174 73.2 57.3 85.9
175 5.7 4.2 6.2



#74
1,2,4-Trimethylbenzene
Concen: 0.223 ppbv m
RT: 16.105 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL039782.D
Acq: 25 Oct 2022 7:26

Tgt Ion: 105 Resp: 53298
Ion Ratio Lower Upper
105 100
120 28.6 39.6 59.4#
91 9.3 42.9 64.3#
77 17.0 18.2 27.4#

