

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101022\
 Data File : VL039700.D
 Acq On : 10 Oct 2022 17:36
 Operator : SY/AP
 Sample : N5040-01 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-01

Quant Time: Oct 11 07:19:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

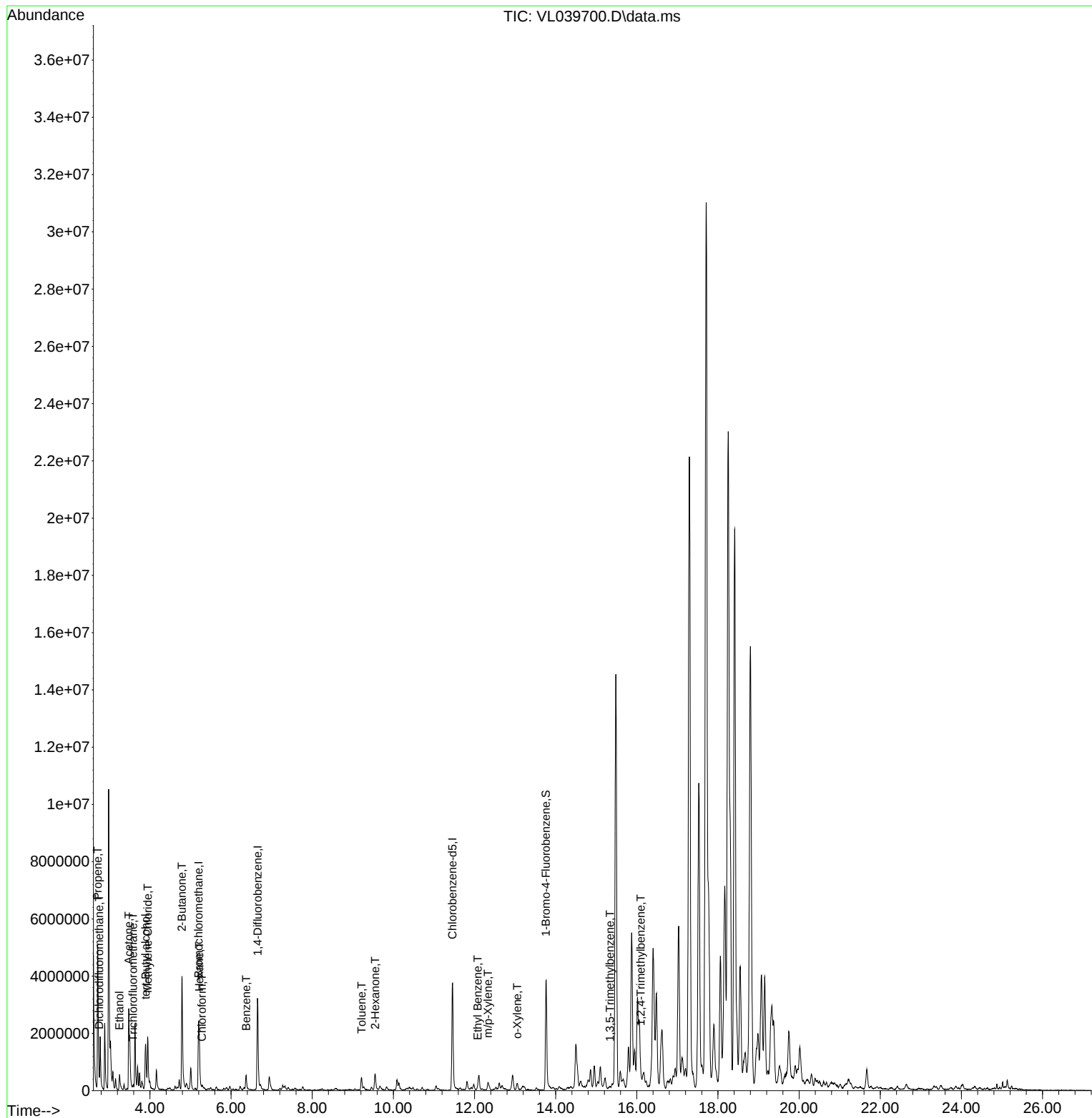
Internal Standards						
1) Bromochloromethane	5.198	49	980087	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2466302	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2512960	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1878623	10.014	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.100%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	13014	0.115	ppbv	91
9) Propene	2.713	41	2462051	46.349	ppbv	94
11) Trichlorofluoromethane	3.581	101	15397	0.109	ppbv	98
13) Ethanol	3.250	45	608835	150.425	ppbv	74
15) Acetone	3.478	43	3165390	29.025	ppbv #	39
17) tert-Butyl alcohol	3.893	59	1325940	13.548	ppbv	99
20) Methylene Chloride	3.947	84	616170	12.220	ppbv	95
26) Hexane	5.217	57	513033	5.084	ppbv #	39
29) Chloroform	5.282	83	20835m	0.143	ppbv	
34) 2-Butanone	4.790	43	4978828	41.099	ppbv	98
36) Benzene	6.372	78	451906m	2.397	ppbv	
51) 2-Hexanone	9.552	43	525692	3.731	ppbv #	99
53) Toluene	9.217	91	340345	1.623	ppbv	96
58) Ethyl Benzene	12.079	91	108963	0.376	ppbv	99
59) m/p-Xylene	12.330	91	271405	1.053	ppbv	96
60) o-Xylene	13.053	91	146745	0.596	ppbv	98
73) 1,3,5-Trimethylbenzene	15.342	105	50565	0.197	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.098	105	191069	0.663	ppbv #	70

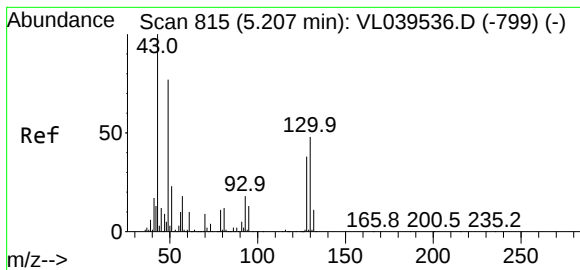
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

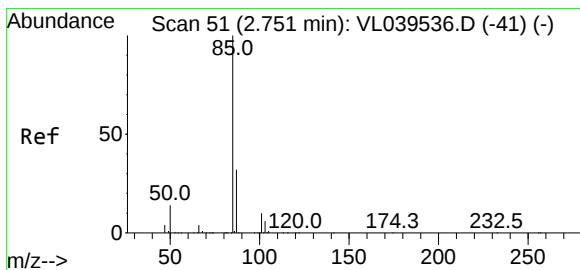
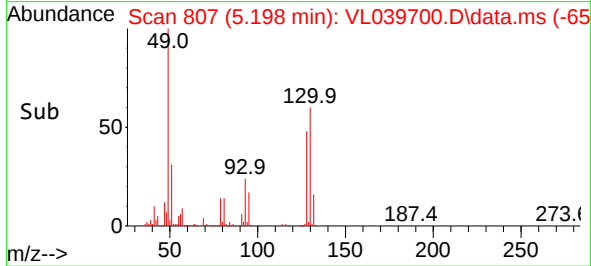
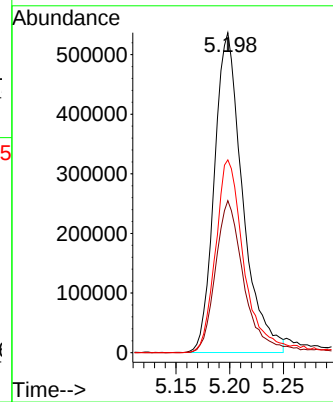
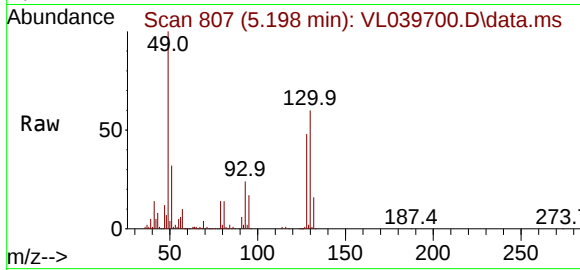




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.198 min Scan# 80
 Delta R.T. -0.009 min
 Lab File: VL039700.D
 Acq: 10 Oct 2022 17:36

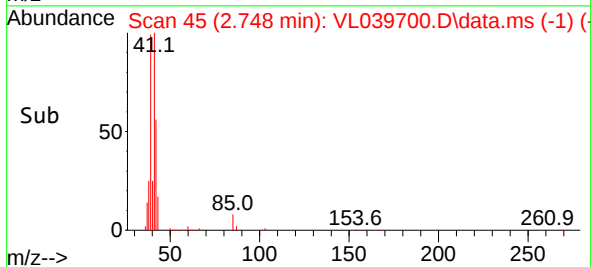
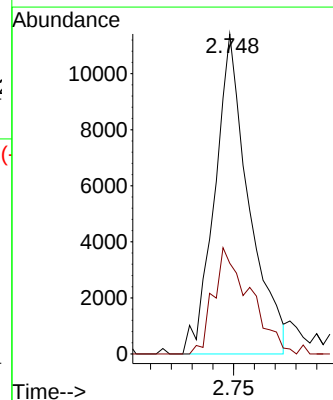
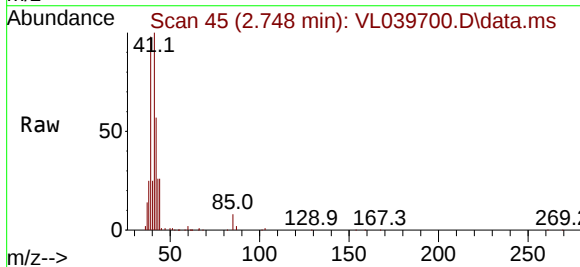
Instrument :
 MSVOA_L
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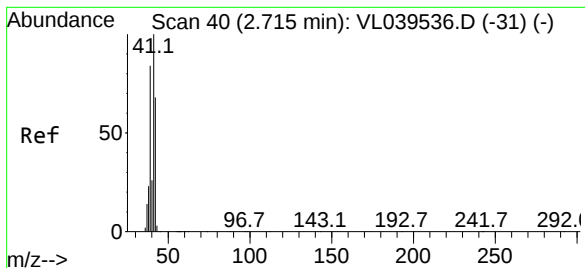
Tgt Ion: 49 Resp: 980087
 Ion Ratio Lower Upper
 49 100
 128 49.8 26.7 80.0
 130 63.5 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 0.115 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. -0.003 min
 Lab File: VL039700.D
 Acq: 10 Oct 2022 17:36

Tgt Ion: 85 Resp: 13014
 Ion Ratio Lower Upper
 85 100
 87 28.3 26.7 40.1

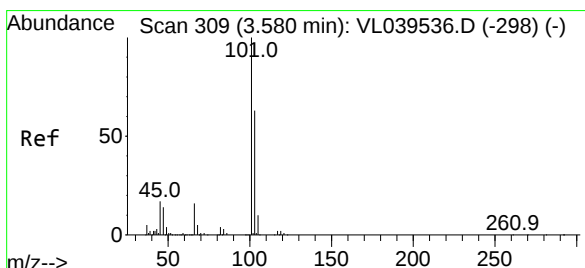
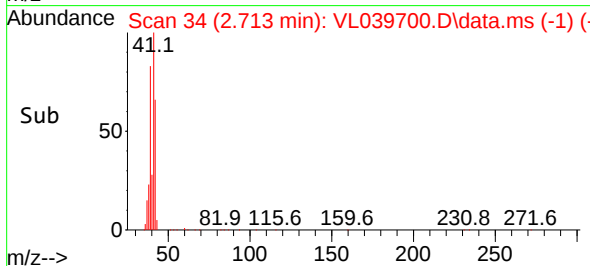
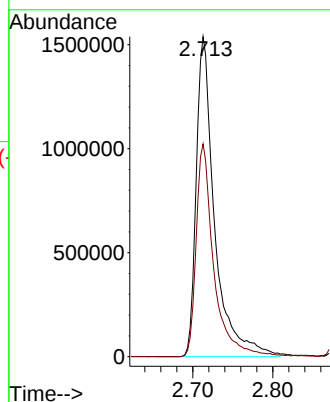
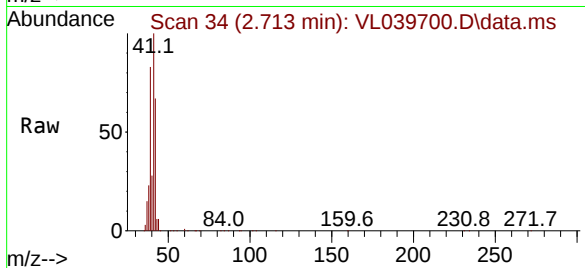




#9
 Propene
 Concen: 46.349 ppbv
 RT: 2.713 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL039700.D
 Acq: 10 Oct 2022 17:36

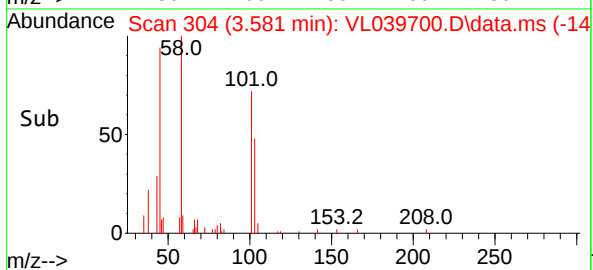
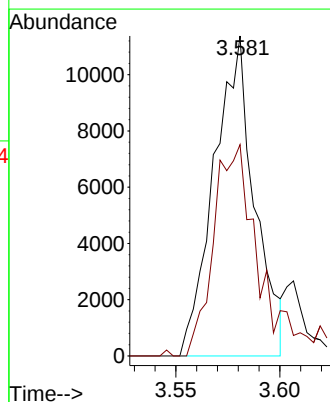
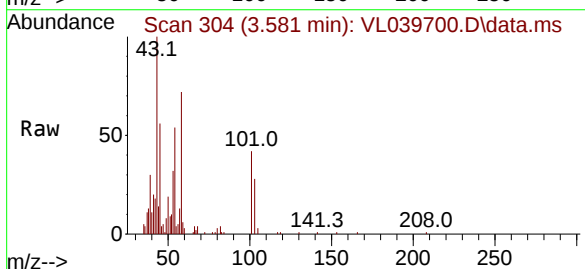
Instrument :
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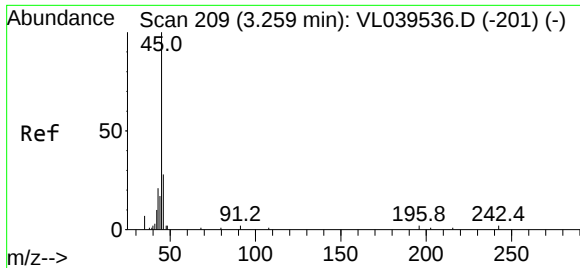
Tgt Ion: 41 Resp: 2462051
 Ion Ratio Lower Upper
 41 100
 42 64.1 55.2 82.8



#11
 Trichlorofluoromethane
 Concen: 0.109 ppbv
 RT: 3.581 min Scan# 304
 Delta R.T. 0.001 min
 Lab File: VL039700.D
 Acq: 10 Oct 2022 17:36

Tgt Ion: 101 Resp: 15397
 Ion Ratio Lower Upper
 101 100
 103 66.1 51.8 77.8

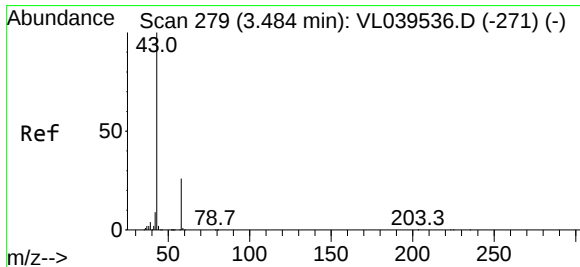
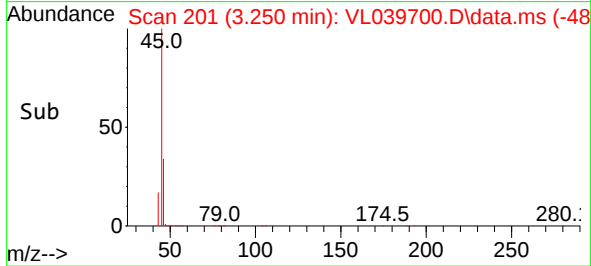
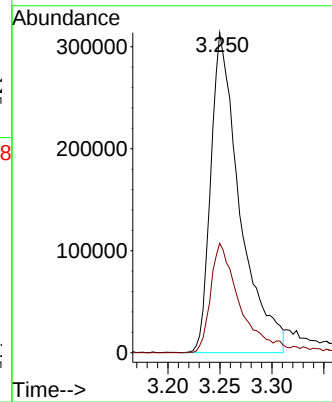
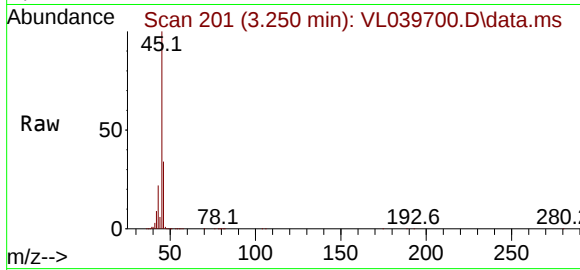




#13
Ethanol
Concen: 150.425 ppbv
RT: 3.250 min Scan# 209
Delta R.T. -0.009 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

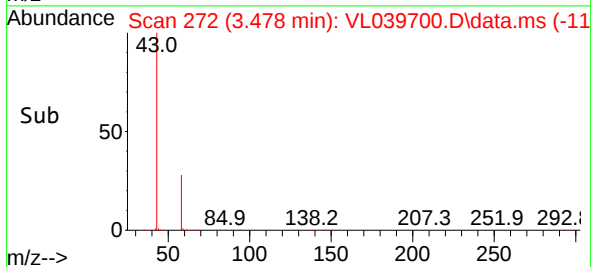
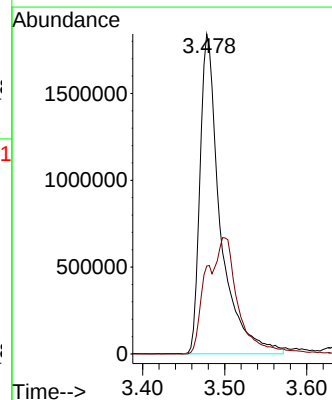
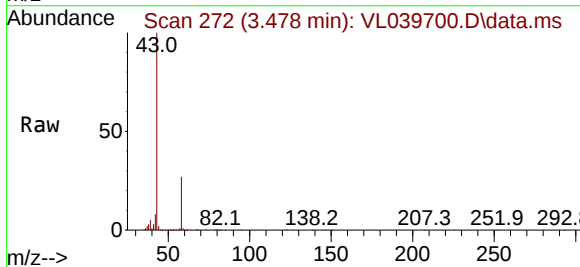
Instrument :
MSVOA_L
ClientSampleId :
SVP-01

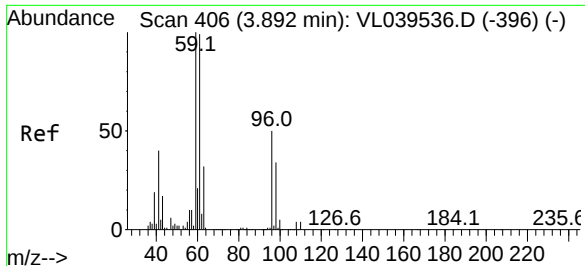
Tgt Ion: 45 Resp: 608835
Ion Ratio Lower Upper
45 100
46 37.5 22.8 91.2



#15
Acetone
Concen: 29.025 ppbv
RT: 3.478 min Scan# 272
Delta R.T. -0.006 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

Tgt Ion: 43 Resp: 3165390
Ion Ratio Lower Upper
43 100
58 57.7 21.0 31.6#

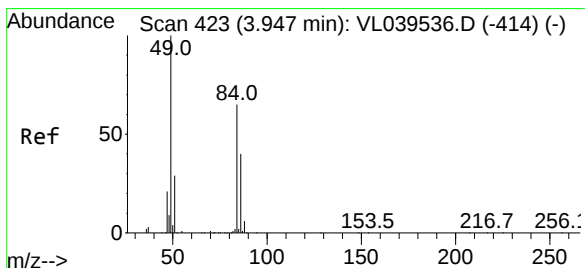
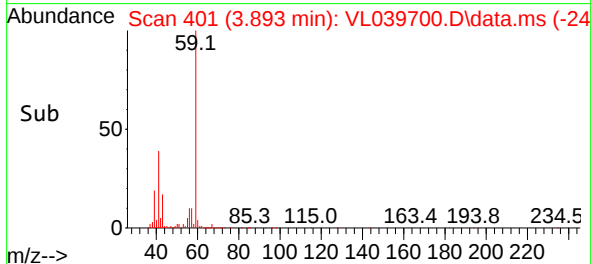
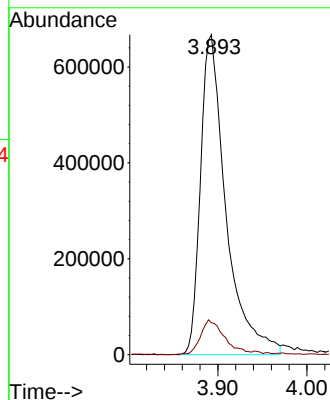
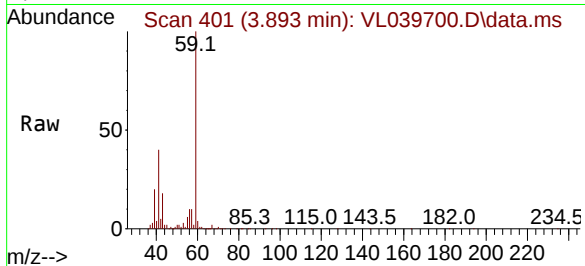




#17
tert-Butyl alcohol
Concen: 13.548 ppbv
RT: 3.893 min Scan# 406
Delta R.T. 0.001 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

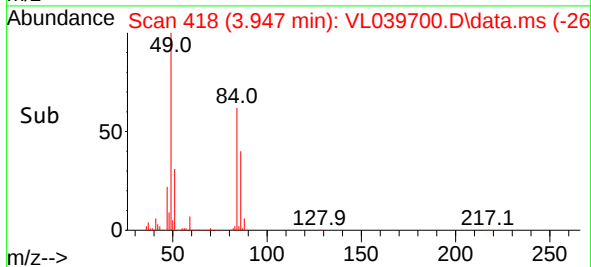
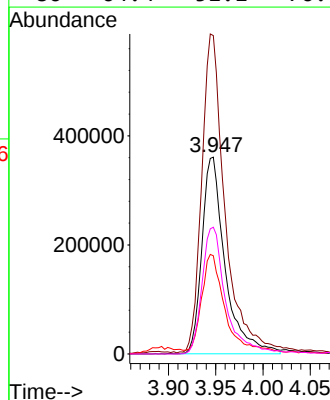
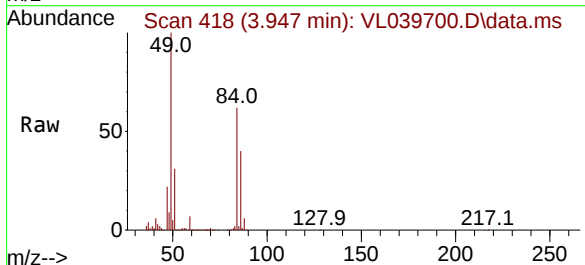
Instrument :
MSVOA_L
ClientSampleId :
SVP-01

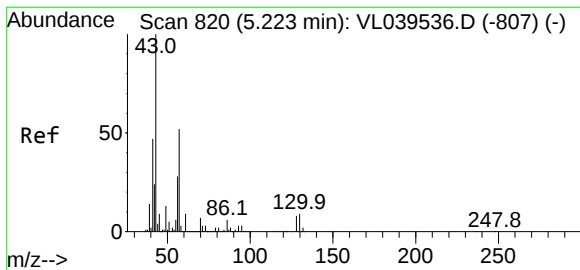
Tgt Ion: 59 Resp: 1325940
Ion Ratio Lower Upper
59 100
57 11.3 8.7 13.1



#20
Methylene Chloride
Concen: 12.220 ppbv
RT: 3.947 min Scan# 418
Delta R.T. 0.001 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

Tgt Ion: 84 Resp: 616170
Ion Ratio Lower Upper
84 100
49 161.0 123.1 184.7
51 48.7 34.4 51.6
86 64.4 51.1 76.7

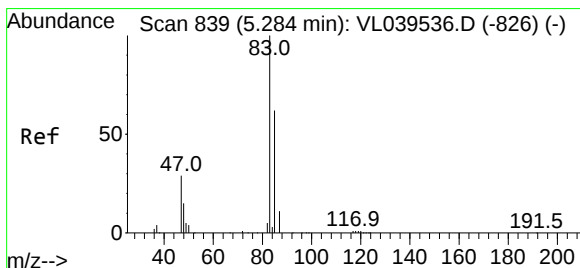
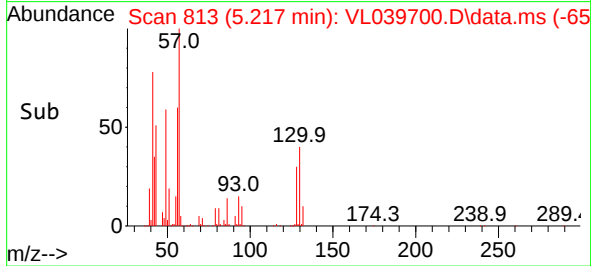
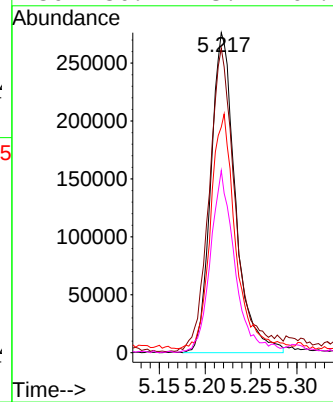
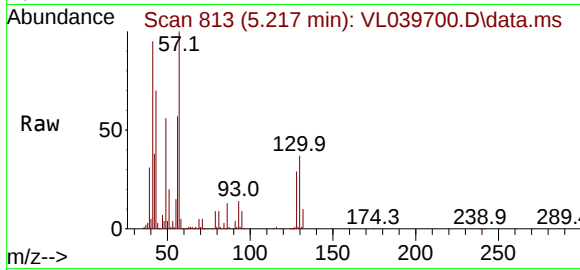




#26
Hexane
Concen: 5.084 ppbv
RT: 5.217 min Scan# 813
Delta R.T. -0.006 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

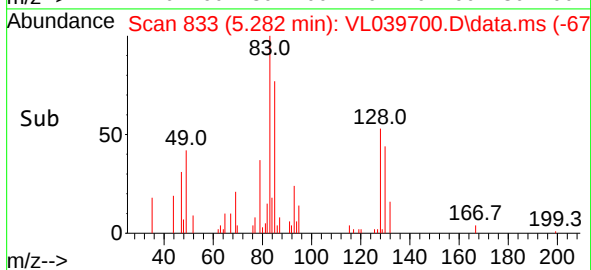
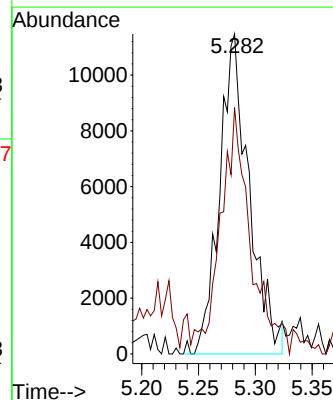
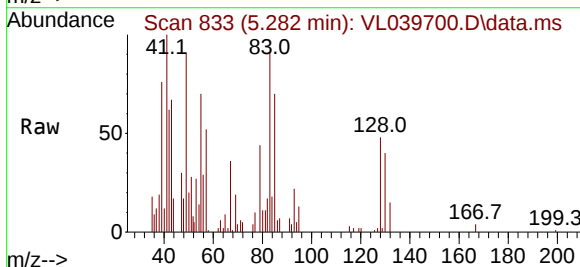
Instrument : MSVOA_L
ClientSampleId : SVP-01

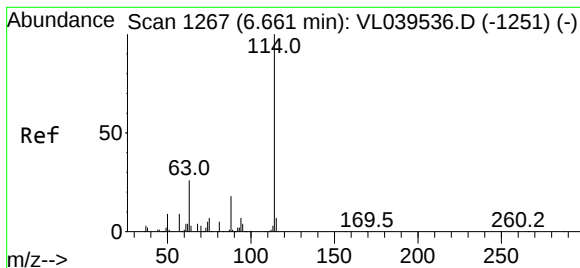
Tgt Ion:	57	Resp:	513033
Ion	Ratio	Lower	Upper
57	100		
41	102.3	76.9	115.3
43	75.2	191.0	286.6#
56	56.9	43.2	64.8



#29
Chloroform
Concen: 0.143 ppbv m
RT: 5.282 min Scan# 833
Delta R.T. -0.003 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

Tgt Ion:	83	Resp:	20835
Ion	Ratio	Lower	Upper
83	100		
85	77.0	52.8	79.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.655 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL039700.D

Acq: 10 Oct 2022 17:36

Instrument :

MSVOA_L

ClientSampleId :

SVP-01

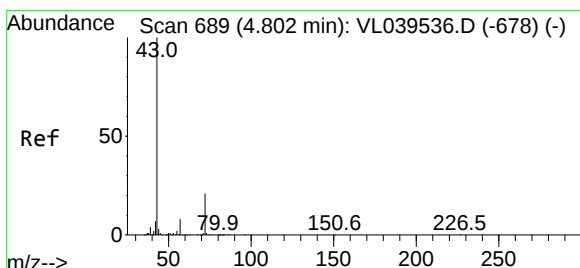
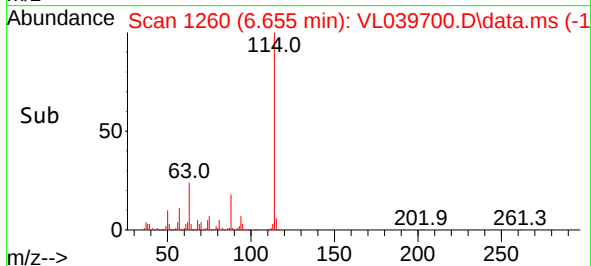
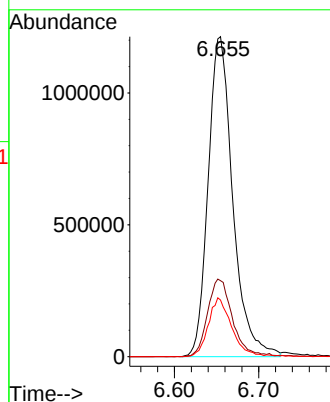
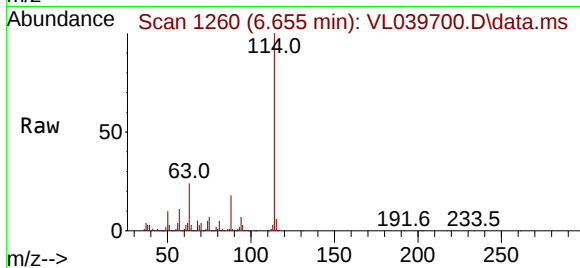
Tgt Ion:114 Resp: 2466302

Ion Ratio Lower Upper

114 100

63 25.0 20.2 30.4

88 17.8 14.5 21.7



#34

2-Butanone

Concen: 41.099 ppbv

RT: 4.790 min Scan# 680

Delta R.T. -0.012 min

Lab File: VL039700.D

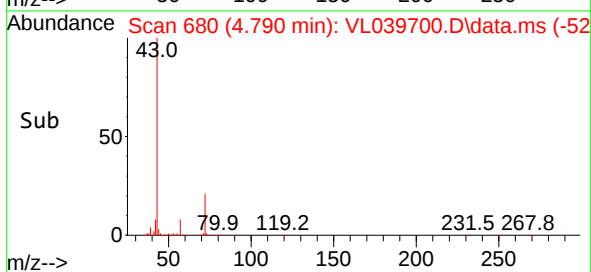
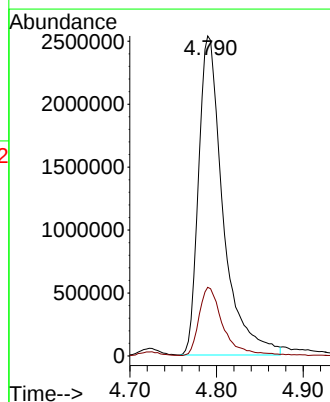
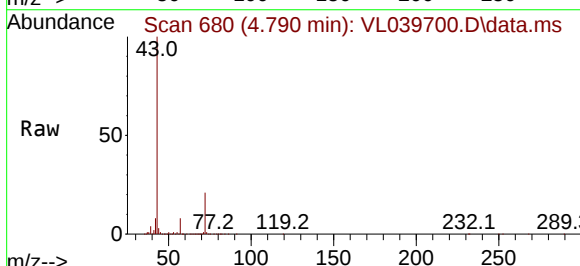
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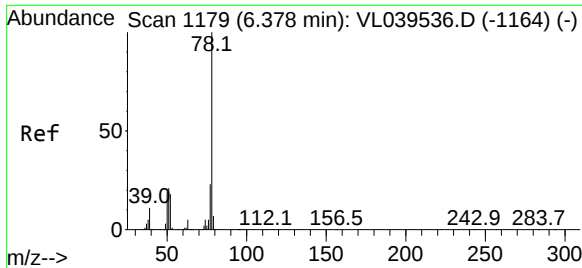
Tgt Ion: 43 Resp: 4978828

Ion Ratio Lower Upper

43 100

72 21.6 17.9 26.9

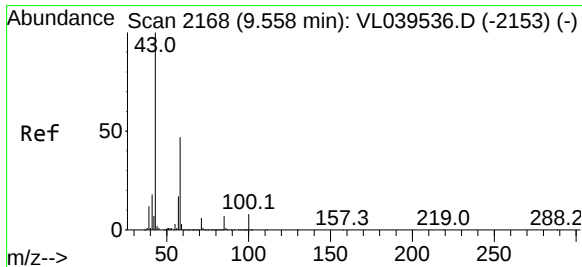
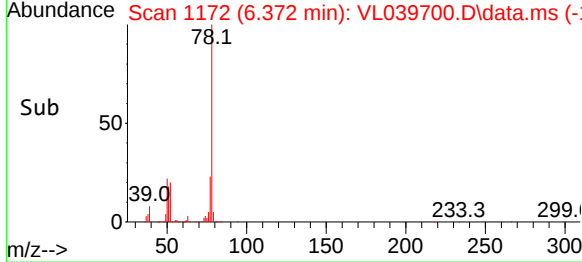
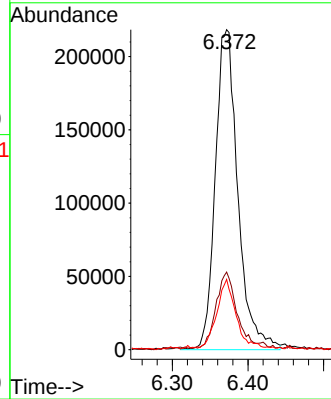
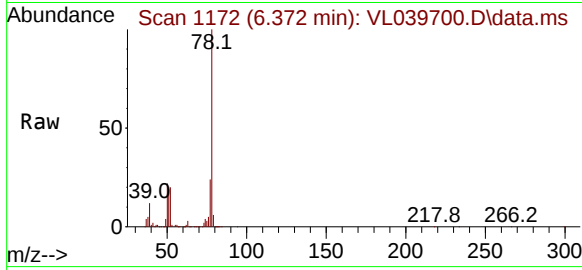




#36
Benzene
Concen: 2.397 ppbv m
RT: 6.372 min Scan# 1179
Delta R.T. -0.006 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

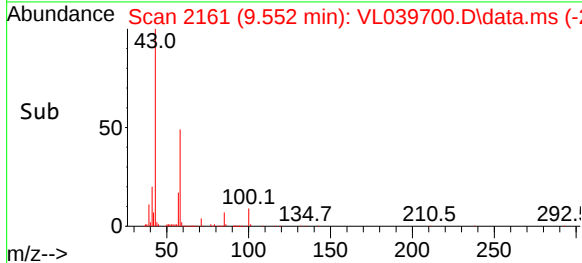
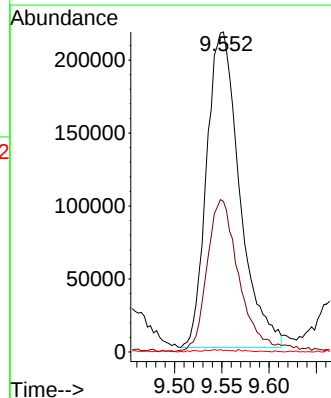
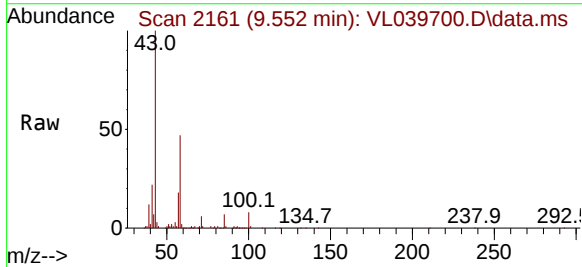
Instrument :
MSVOA_L
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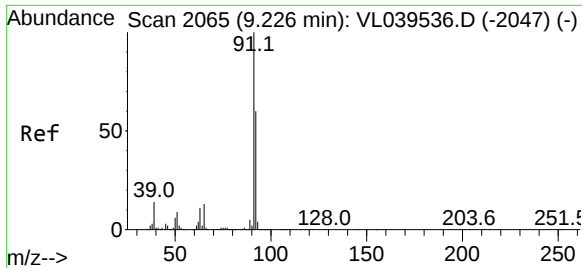
Tgt Ion: 78 Resp: 451906
Ion Ratio Lower Upper
78 100
77 24.3 20.3 30.5
50 21.9 15.5 23.3



#51
2-Hexanone
Concen: 3.731 ppbv
RT: 9.552 min Scan# 2161
Delta R.T. -0.006 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

Tgt Ion: 43 Resp: 525692
Ion Ratio Lower Upper
43 100
58 47.5 38.4 57.6
98 0.9 0.3 0.5

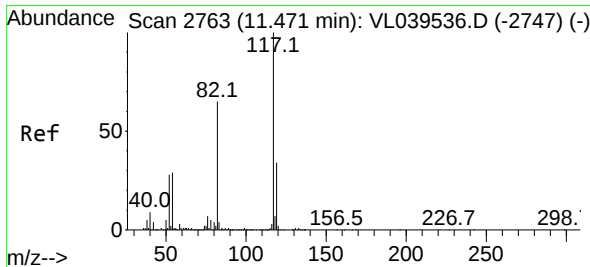
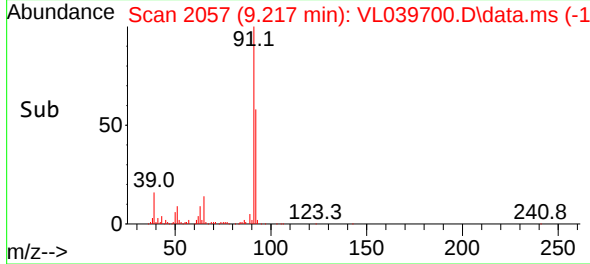
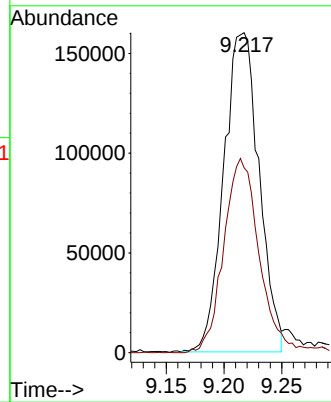
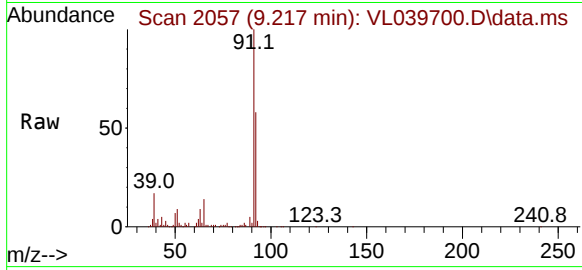




#53
Toluene
Concen: 1.623 ppbv
RT: 9.217 min Scan# 2065
Delta R.T. -0.009 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

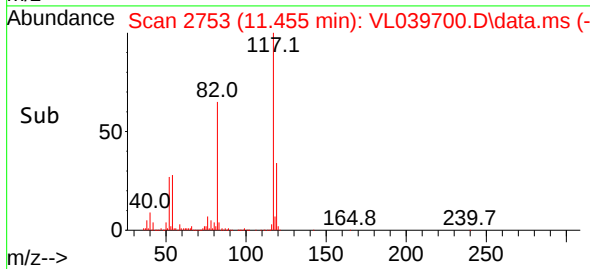
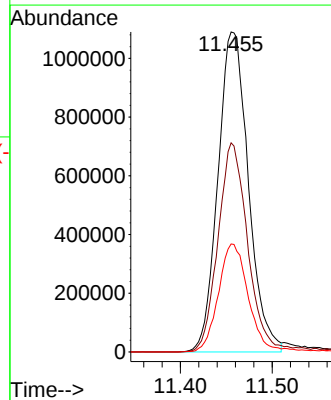
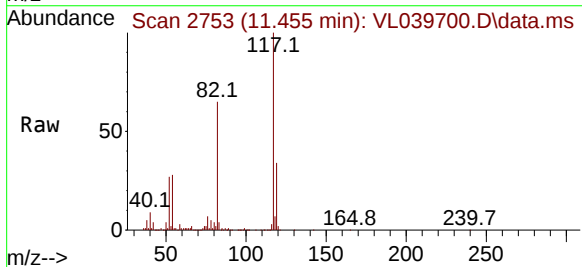
Instrument :
MSVOA_L
ClientSampleId :
SVP-01

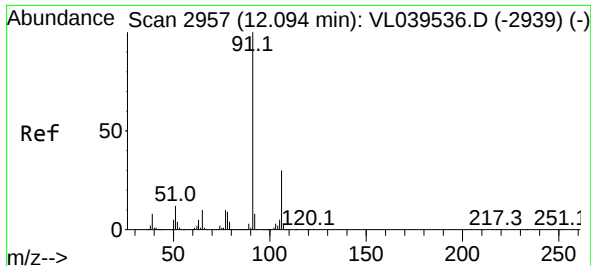
Tgt Ion: 91 Resp: 340345
Ion Ratio Lower Upper
91 100
92 63.3 48.2 72.2



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.015 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

Tgt Ion: 117 Resp: 2512960
Ion Ratio Lower Upper
117 100
82 65.7 50.8 76.2
119 33.8 24.1 36.1

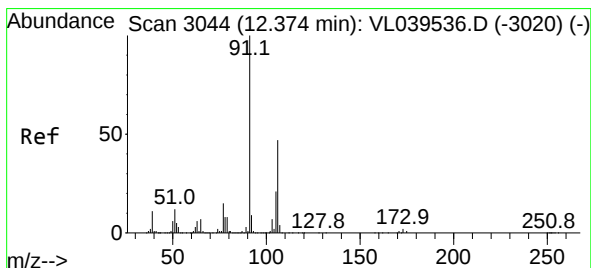
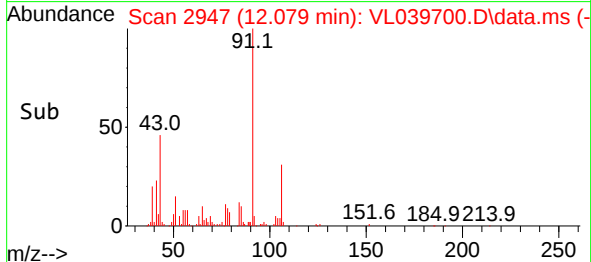
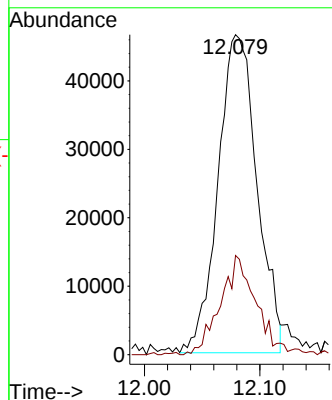
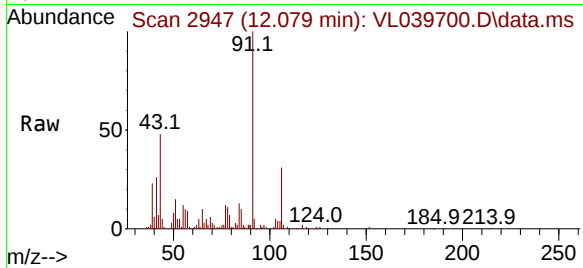




#58
Ethyl Benzene
Concen: 0.376 ppbv
RT: 12.079 min Scan# 2957
Delta R.T. -0.015 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

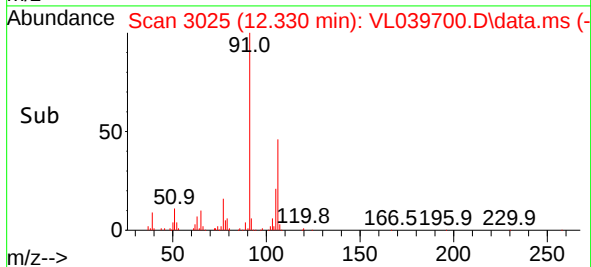
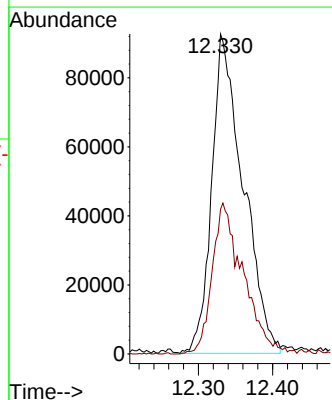
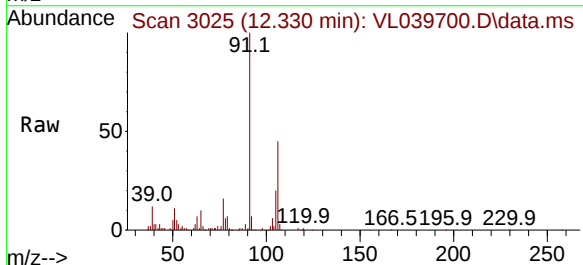
Instrument :
MSVOA_L
ClientSampleId :
SVP-01

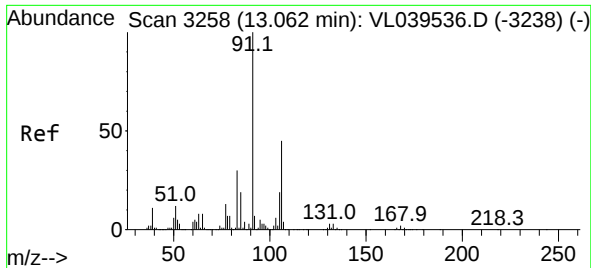
Tgt Ion: 91 Resp: 108963
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0



#59
m/p-Xylene
Concen: 1.053 ppbv
RT: 12.330 min Scan# 3025
Delta R.T. -0.044 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

Tgt Ion: 91 Resp: 271405
Ion Ratio Lower Upper
91 100
106 47.2 35.4 53.2

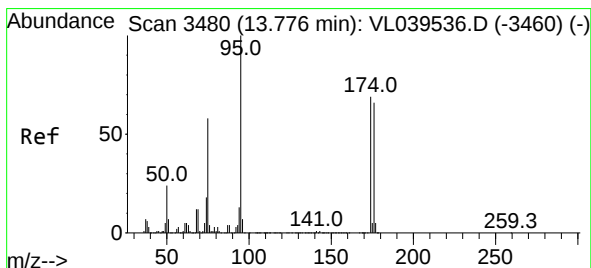
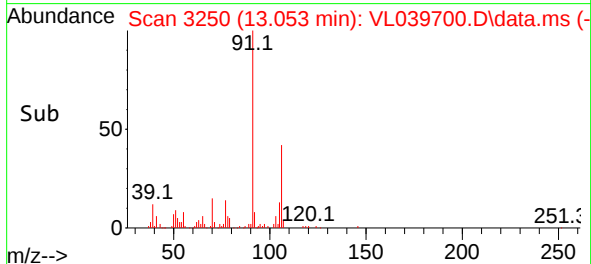
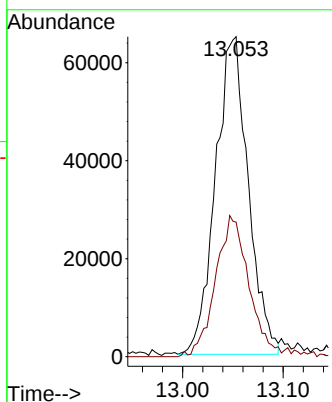
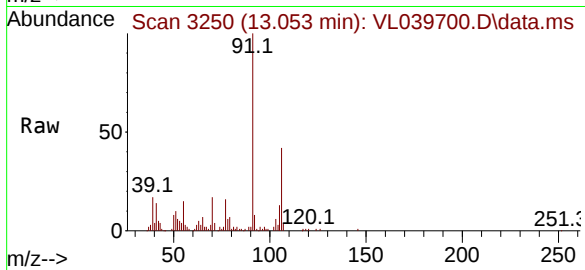




#60
o-Xylene
Concen: 0.596 ppbv
RT: 13.053 min Scan# 31
Delta R.T. -0.009 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

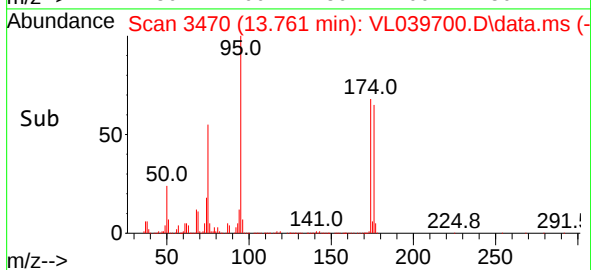
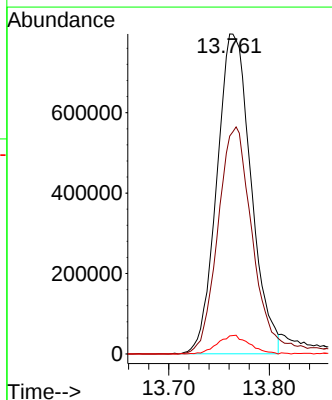
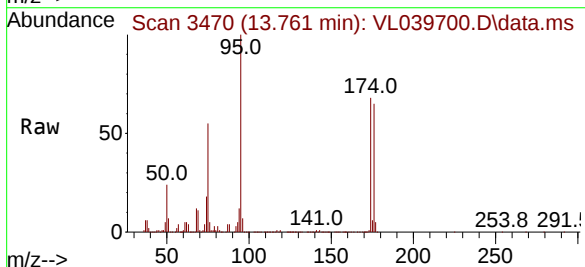
Instrument :
MSVOA_L
ClientSampleId :
SVP-01

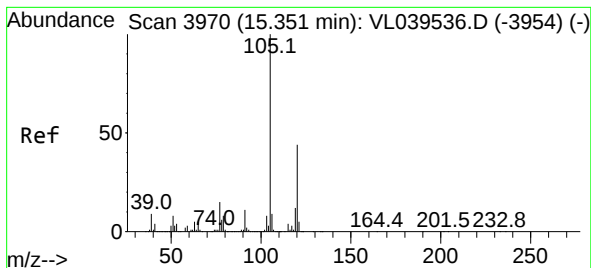
Tgt Ion: 91 Resp: 146745
Ion Ratio Lower Upper
91 100
106 46.3 22.4 67.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.014 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. -0.015 min
Lab File: VL039700.D
Acq: 10 Oct 2022 17:36

Tgt Ion: 95 Resp: 1878623
Ion Ratio Lower Upper
95 100
174 75.9 55.9 83.9
175 5.5 4.2 6.4





#73

1,3,5-Trimethylbenzene

Concen: 0.197 ppbv

RT: 15.342 min Scan# 3970

Delta R.T. -0.009 min

Lab File: VL039700.D

Acq: 10 Oct 2022 17:36

Instrument :

MSVOA_L

ClientSampleId :

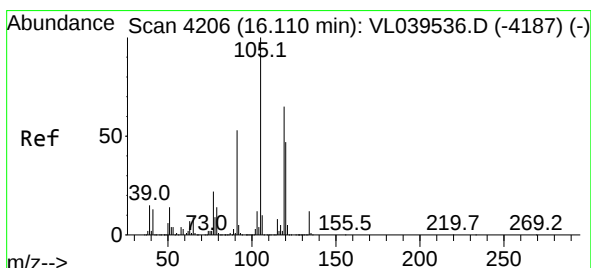
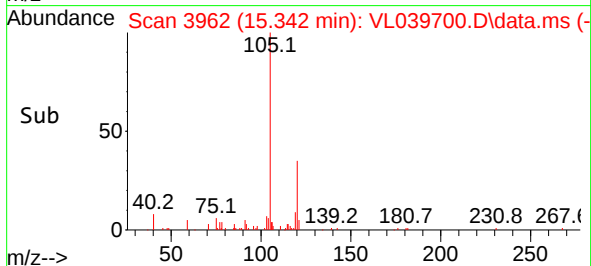
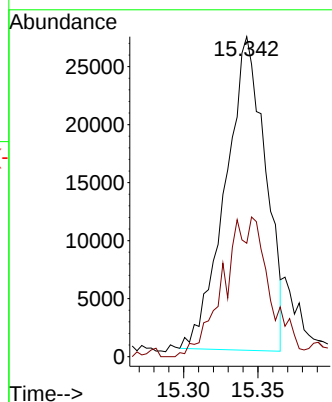
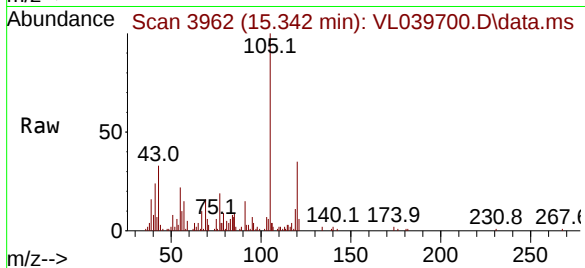
SVP-01

Tgt Ion:105 Resp: 50565

Ion Ratio Lower Upper

105 100

120 35.1 38.2 57.4#



#74

1,2,4-Trimethylbenzene

Concen: 0.663 ppbv

RT: 16.098 min Scan# 4197

Delta R.T. -0.012 min

Lab File: VL039700.D

Acq: 10 Oct 2022 17:36

Tgt Ion:105 Resp: 191069

Ion Ratio Lower Upper

105 100

120 46.3 39.5 59.3

91 9.6 39.2 58.8#

77 10.4 17.2 25.8#

