

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110922\
 Data File : VL039853.D
 Acq On : 9 Nov 2022 18:13
 Operator : SY/AP
 Sample : N5527-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 10596-LIVING-ROOMDL

Quant Time: Nov 10 03:50:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 03 09:27:12 2022
 Response via : Initial Calibration

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

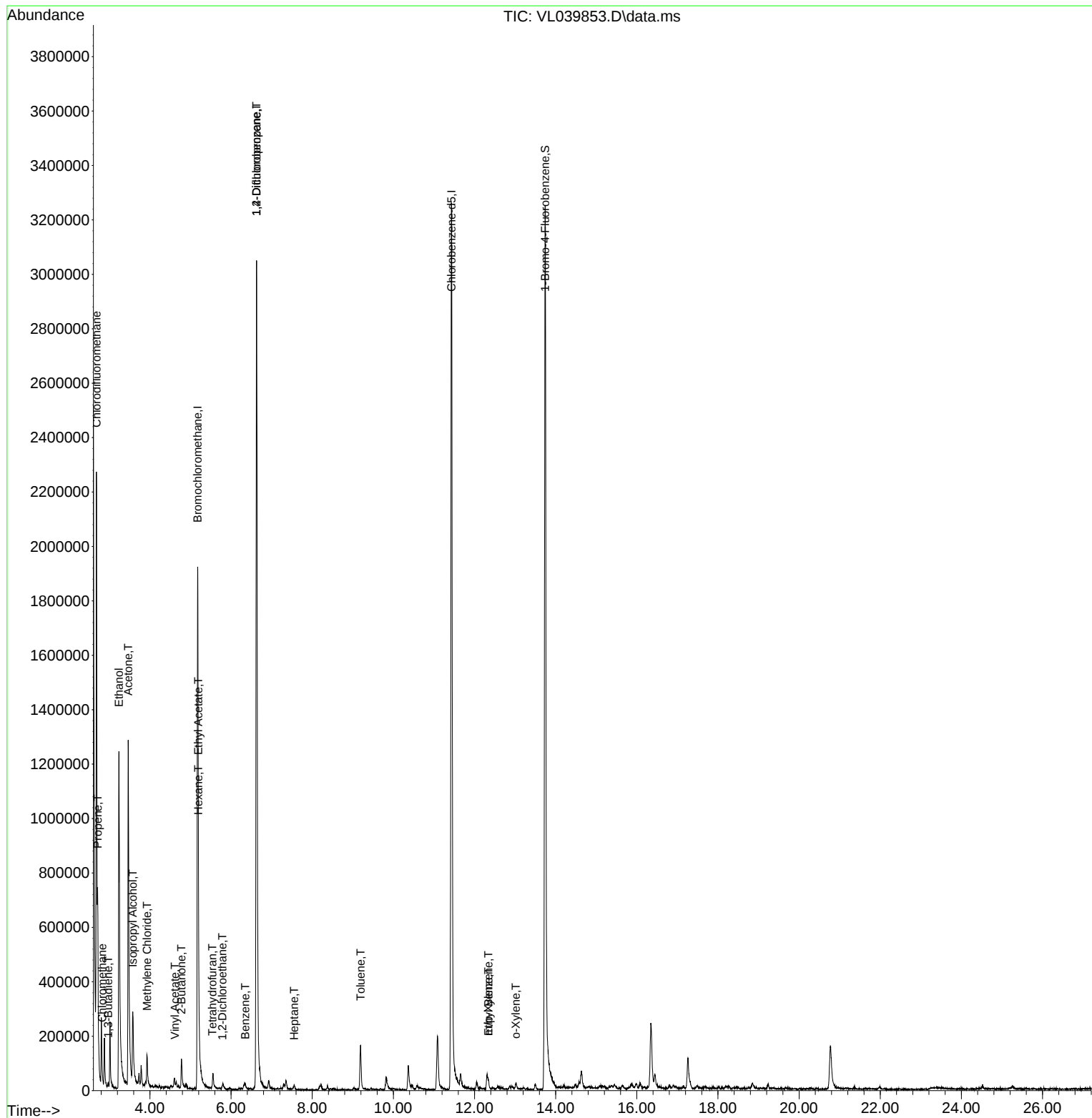
Internal Standards						
1) Bromochloromethane	5.176	49	989158	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.629	114	2495281	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.433	117	2229965	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	1743588	10.446	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 104.500%	
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.681	51	2310731	19.595	ppbv	96
4) Chloromethane	2.822	50	5478	0.075	ppbv #	81
9) Propene	2.713	41	91717	1.493	ppbv #	60
10) Heptane	7.552	43	5264	0.036	ppbv #	27
13) Ethanol	3.237	45	1496846	344.708	ppbv	92
15) Acetone	3.465	43	1426787	11.850	ppbv	98
16) 1,3-Butadiene	2.970	39	3096	0.055	ppbv #	15
19) Isopropyl Alcohol	3.578	45	304776	5.114	ppbv #	1
20) Methylene Chloride	3.928	84	38463	0.893	ppbv #	82
23) Vinyl Acetate	4.616	43	4094	0.085	ppbv #	49
25) Ethyl Acetate	5.192	43	108239	0.436	ppbv #	94
26) Hexane	5.195	57	32920	0.298	ppbv #	56
34) 2-Butanone	4.777	43	121765	1.183	ppbv	92
36) Benzene	6.349	78	8661	0.041	ppbv #	74
37) 1,2-Dichloroethane	5.787	62	3080	0.030	ppbv #	80
39) 1,2-Dichloropropane	6.629	63	631553	7.701	ppbv #	28
41) Tetrahydrofuran	5.539	42	6111	0.071	ppbv #	36
53) Toluene	9.192	91	130230	0.539	ppbv	100
58) Ethyl Benzene	12.339	91	13557	0.045	ppbv	98
59) m/p-Xylene	12.339	91	13557	0.054	ppbv #	30
60) o-Xylene	13.021	91	9505	0.040	ppbv #	44

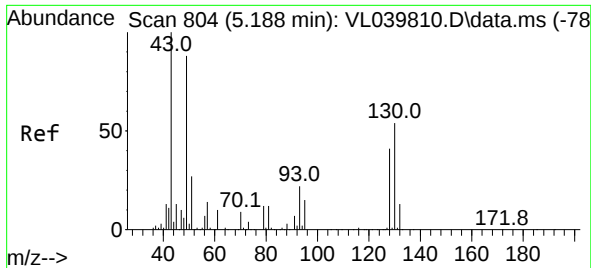
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 03 09:27:12 2022
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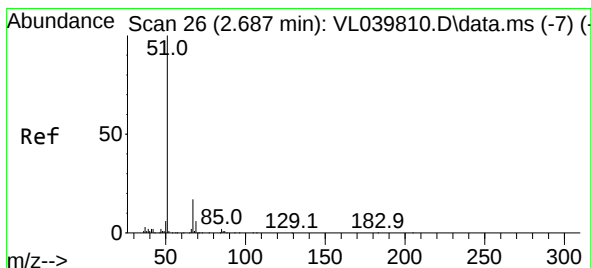
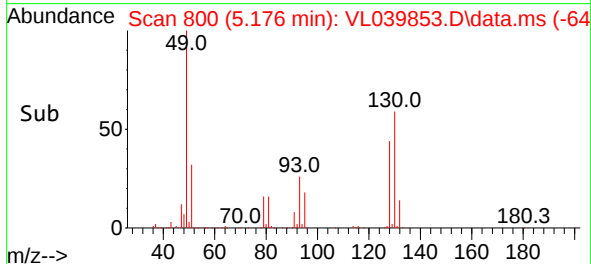
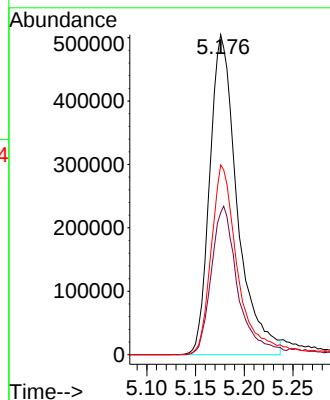
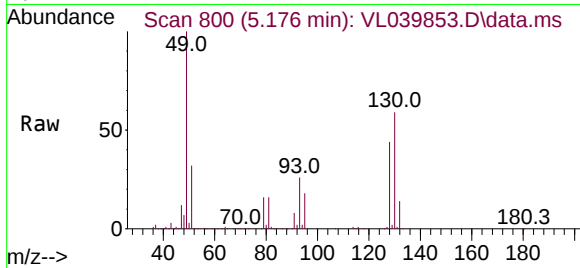




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 804
Delta R.T. -0.012 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

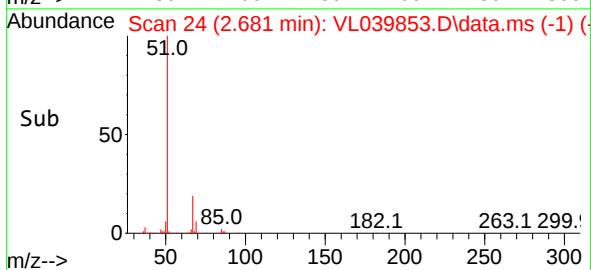
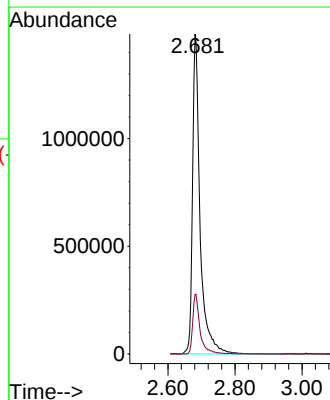
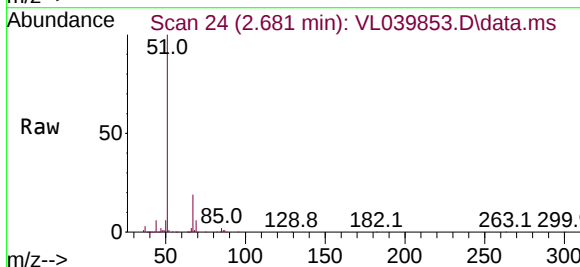
Instrument :
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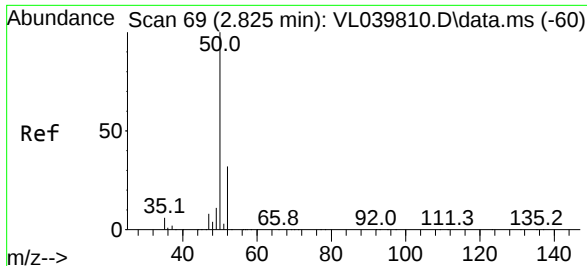
Tgt Ion: 49 Resp: 989158
Ion Ratio Lower Upper
49 100
128 47.2 24.6 73.6
130 59.1 31.1 93.2



#3
Chlorodifluoromethane
Concen: 19.595 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.006 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

Tgt Ion: 51 Resp: 2310731
Ion Ratio Lower Upper
51 100
67 18.2 13.2 19.8

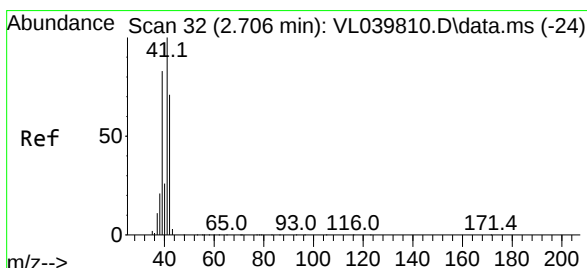
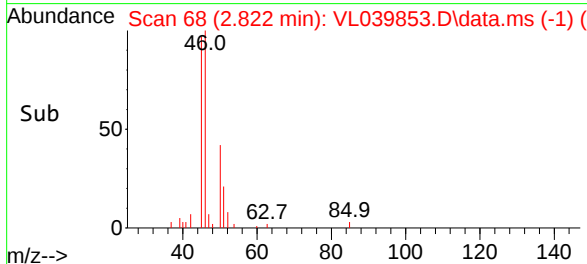
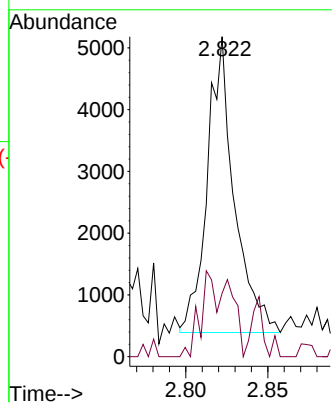
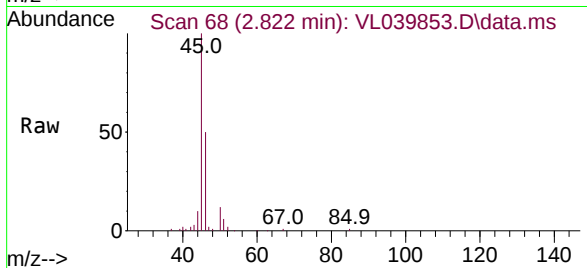




#4
Chloromethane
Concen: 0.075 ppbv
RT: 2.822 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

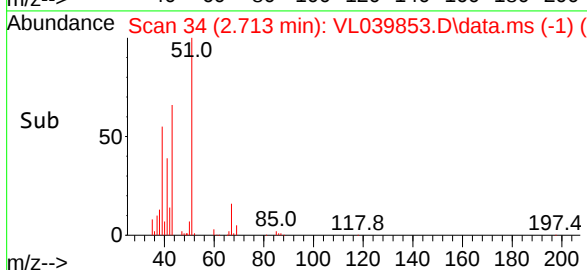
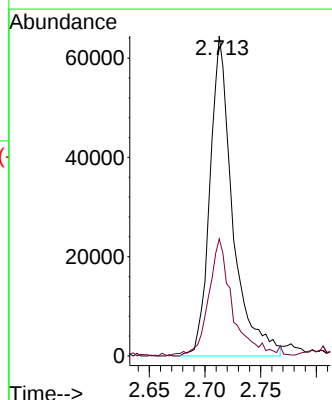
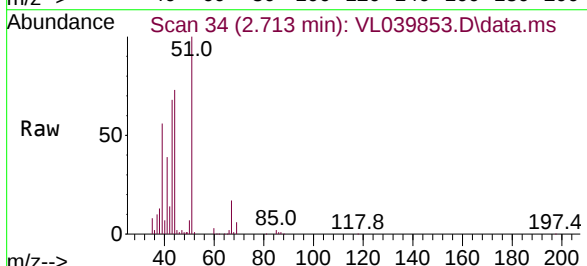
Instrument :
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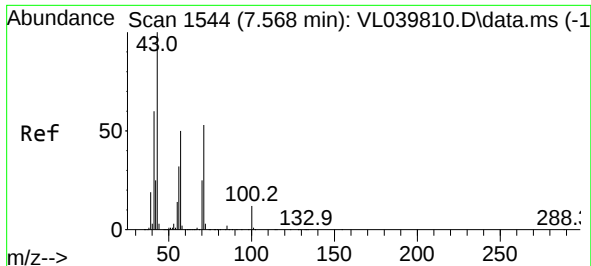
Tgt Ion: 50 Resp: 5478
Ion Ratio Lower Upper
50 100
52 21.5 25.5 38.3#



#9
Propene
Concen: 1.493 ppbv
RT: 2.713 min Scan# 34
Delta R.T. 0.007 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

Tgt Ion: 41 Resp: 91717
Ion Ratio Lower Upper
41 100
42 37.8 56.3 84.5#

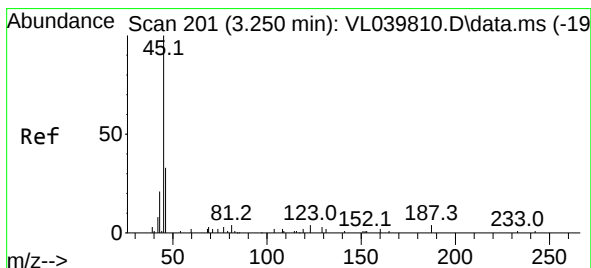
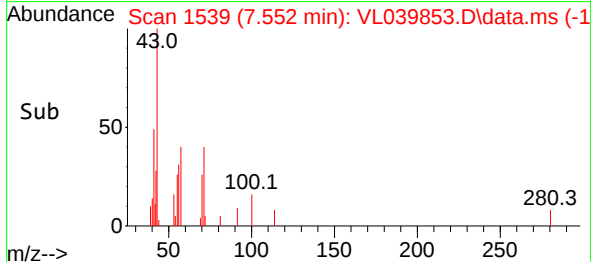
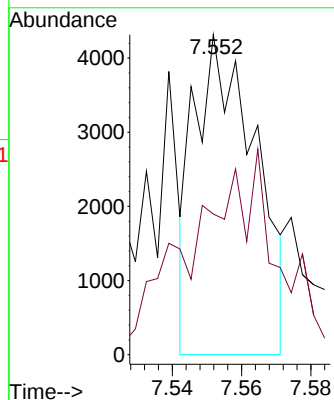
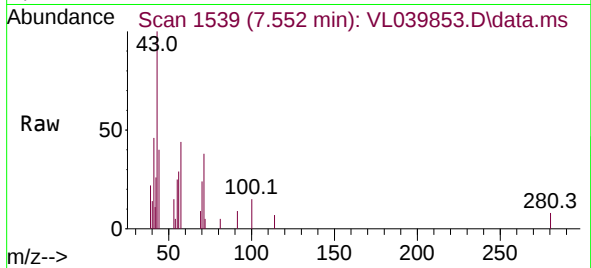




#10
Heptane
Concen: 0.036 ppbv
RT: 7.552 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

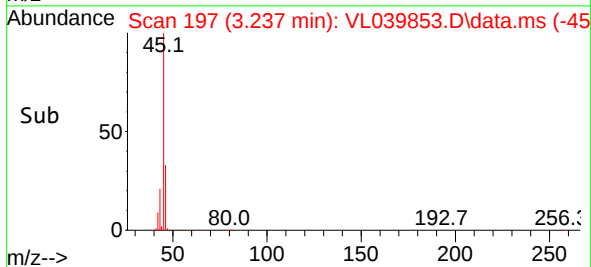
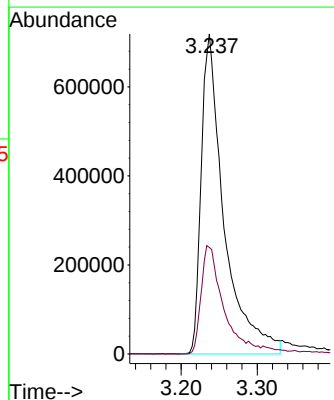
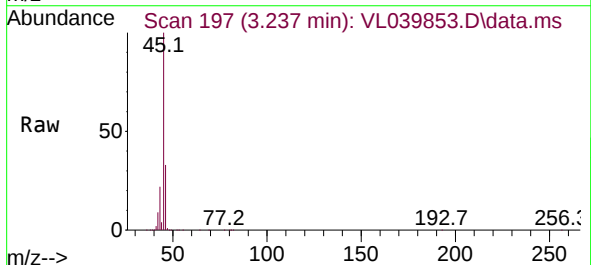
Instrument :
MSVOA_L
ClientSampleId :
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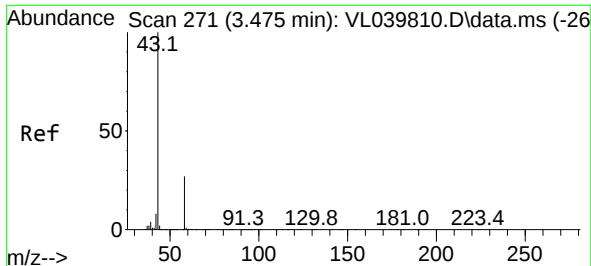
Tgt Ion: 43 Resp: 5264
Ion Ratio Lower Upper
43 100
57 0.0 40.5 60.7#



#13
Ethanol
Concen: 344.708 ppbv
RT: 3.237 min Scan# 197
Delta R.T. -0.013 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

Tgt Ion: 45 Resp: 1496846
Ion Ratio Lower Upper
45 100
46 35.9 16.5 65.9

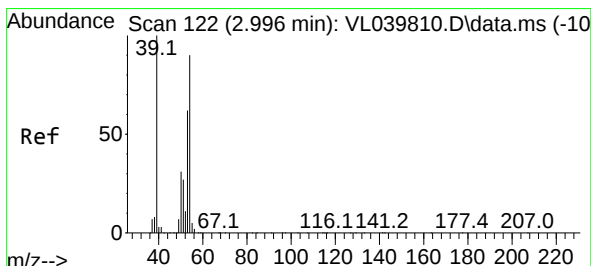
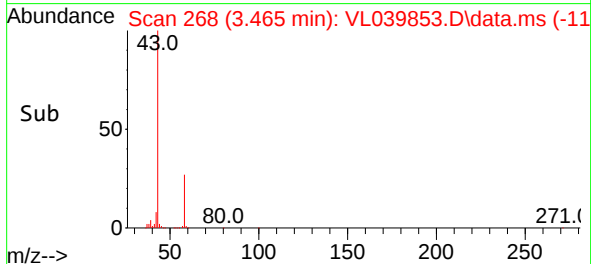
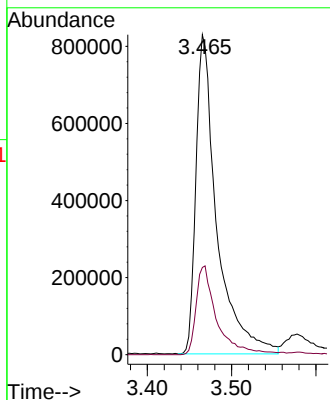
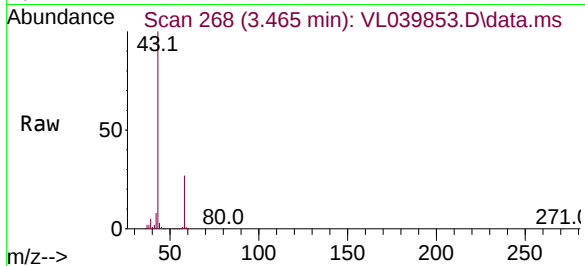




#15
Acetone
Concen: 11.850 ppbv
RT: 3.465 min Scan# 21
Delta R.T. -0.009 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

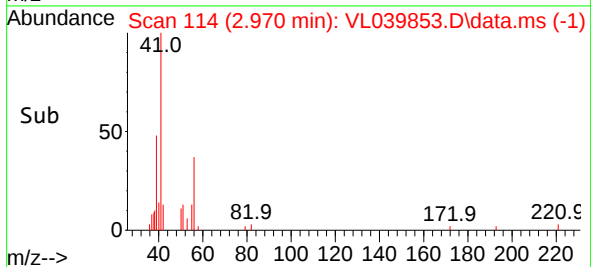
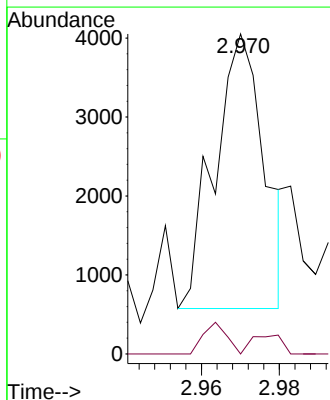
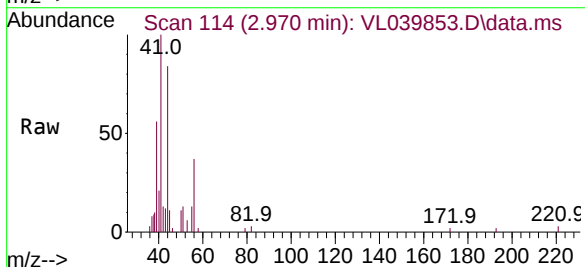
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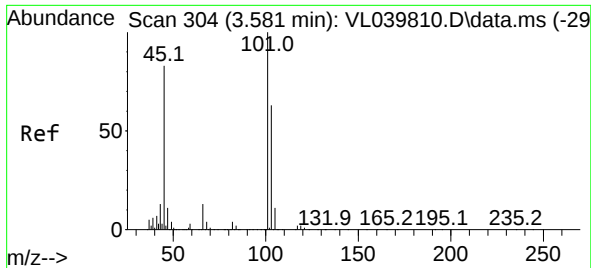
Tgt Ion: 43 Resp: 1426787
Ion Ratio Lower Upper
43 100
58 27.7 23.2 34.8



#16
1,3-Butadiene
Concen: 0.055 ppbv
RT: 2.970 min Scan# 114
Delta R.T. -0.026 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

Tgt Ion: 39 Resp: 3096
Ion Ratio Lower Upper
39 100
54 9.5 71.0 106.4#

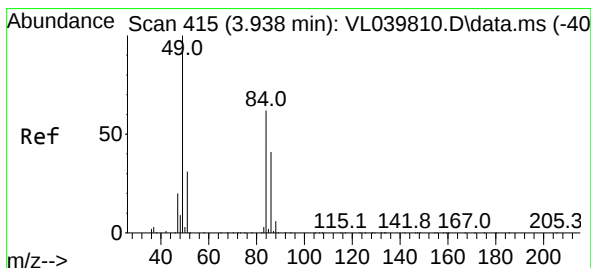
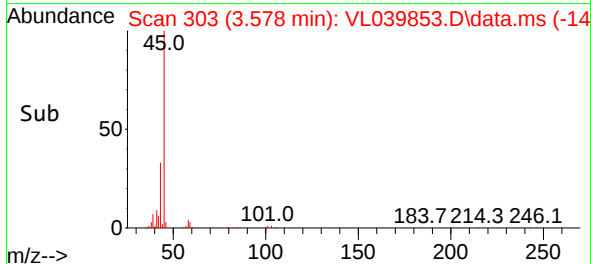
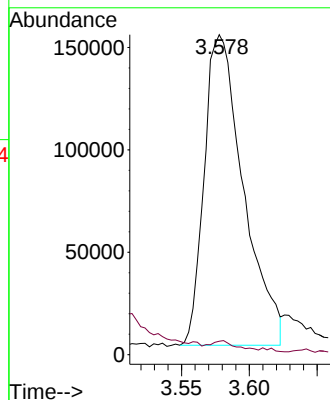
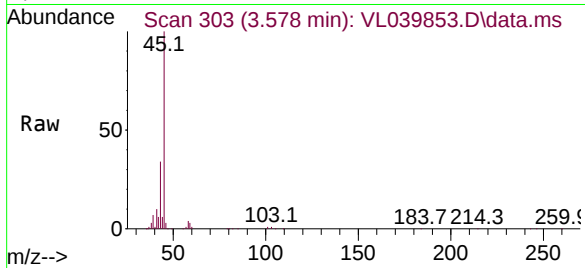




#19
Isopropyl Alcohol
Concen: 5.114 ppbv
RT: 3.578 min Scan# 304
Delta R.T. -0.003 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

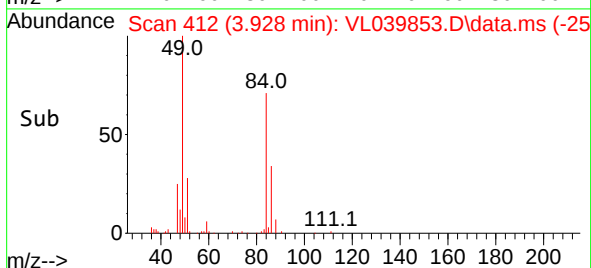
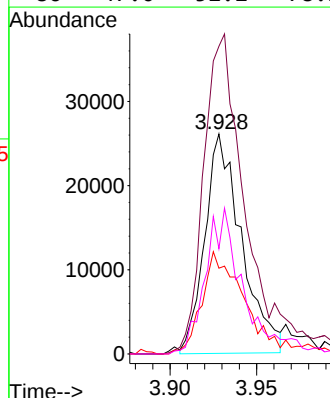
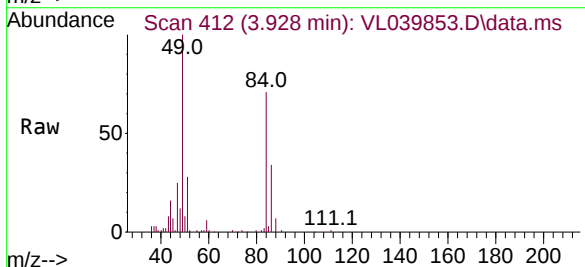
Instrument :
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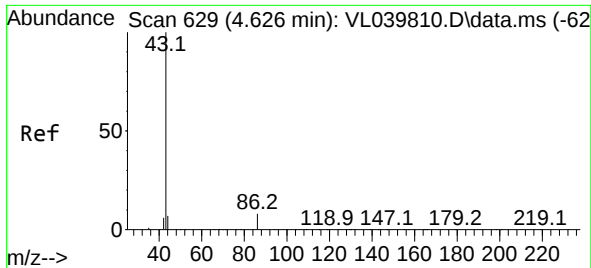
Tgt Ion: 45 Resp: 304776
Ion Ratio Lower Upper
45 100
58 129.8 38.3 57.5#



#20
Methylene Chloride
Concen: 0.893 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.009 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

Tgt Ion: 84 Resp: 38463
Ion Ratio Lower Upper
84 100
49 139.3 128.6 192.8
51 38.0 40.2 60.4#
86 47.0 52.2 78.2#



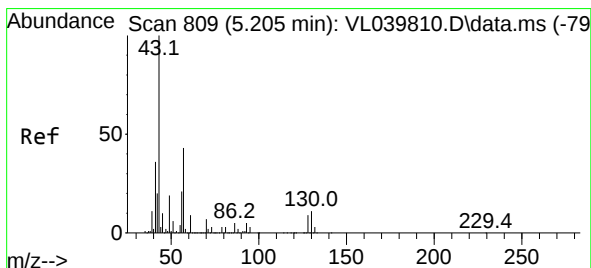
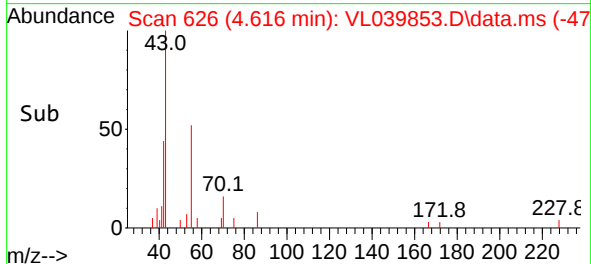
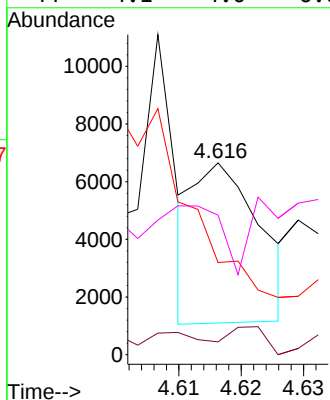
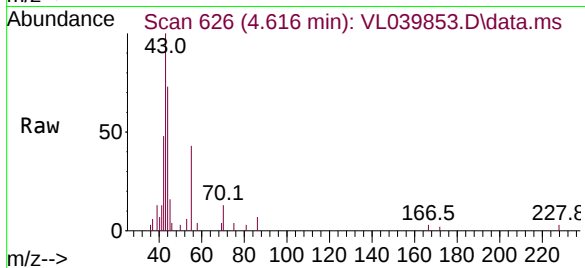


#23
 Vinyl Acetate
 Concen: 0.085 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. -0.009 min
 Lab File: VL039853.D
 Acq: 9 Nov 2022 18:13

Instrument :
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 ClientSampleId :
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Tgt Ion: 43 Resp: 4094

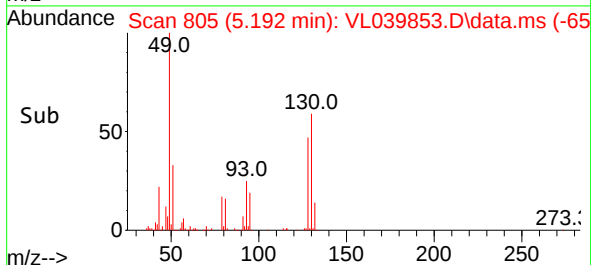
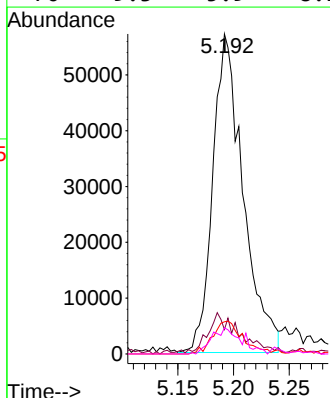
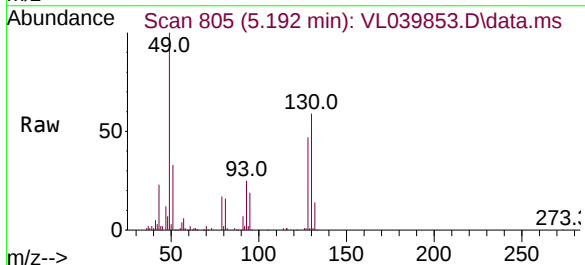
Ion	Ratio	Lower	Upper
43	100		
86	15.8	5.0	7.4#
42	43.2	6.8	10.2#
44	4.1	4.0	6.0

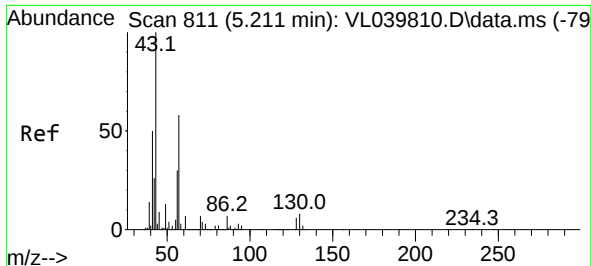


#25
 Ethyl Acetate
 Concen: 0.436 ppbv
 RT: 5.192 min Scan# 805
 Delta R.T. -0.013 min
 Lab File: VL039853.D
 Acq: 9 Nov 2022 18:13

Tgt Ion: 43 Resp: 108239

Ion	Ratio	Lower	Upper
43	100		
45	14.3	8.2	12.2#
61	10.4	8.1	12.1
70	9.3	5.9	8.9#

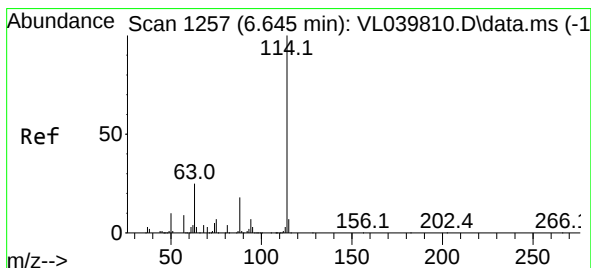
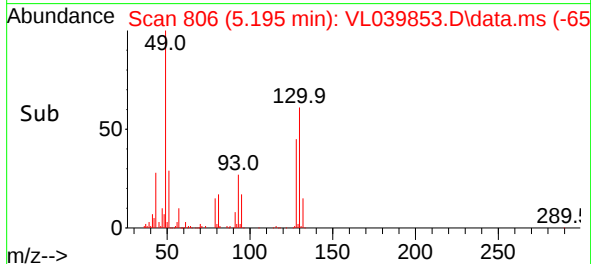
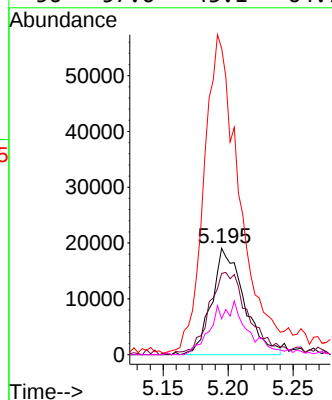
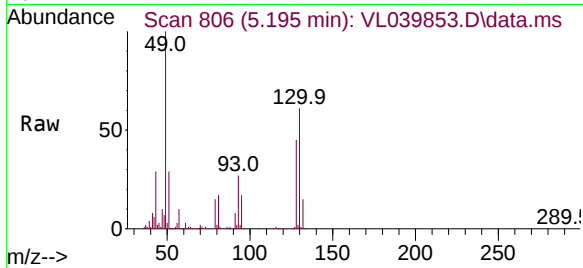




#26
Hexane
Concen: 0.298 ppbv
RT: 5.195 min Scan# 806
Delta R.T. -0.016 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

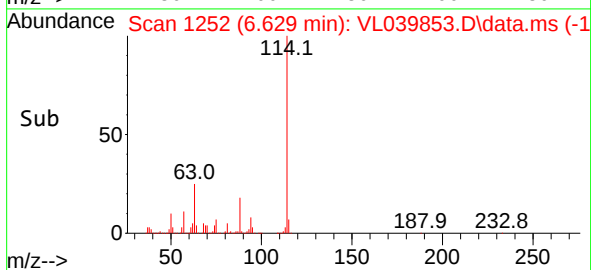
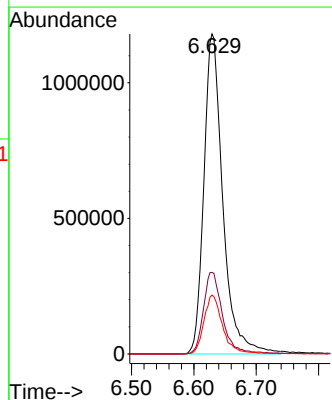
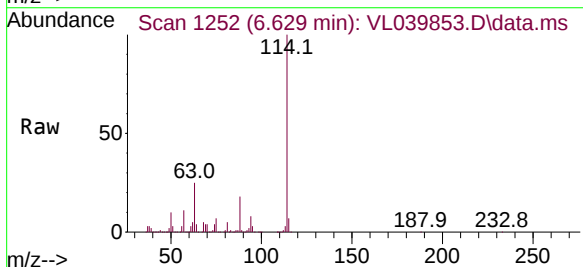
Instrument :
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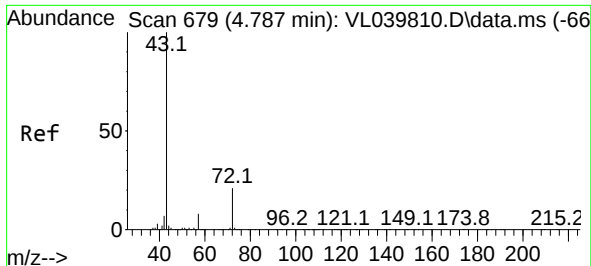
Tgt Ion: 57 Resp: 32920
Ion Ratio Lower Upper
57 100
41 96.7 73.7 110.5
43 352.8 189.8 284.8#
56 57.6 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.016 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

Tgt Ion: 114 Resp: 2495281
Ion Ratio Lower Upper
114 100
63 26.0 19.8 29.6
88 18.4 14.4 21.6

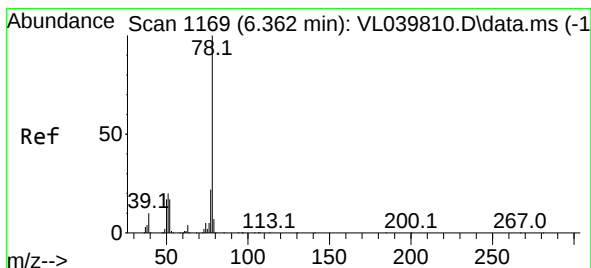
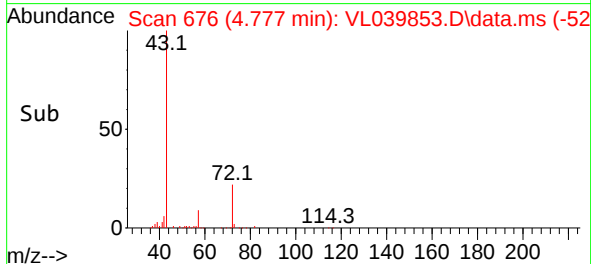
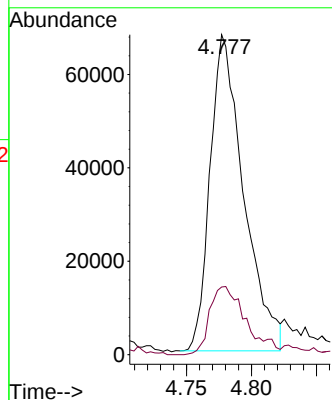
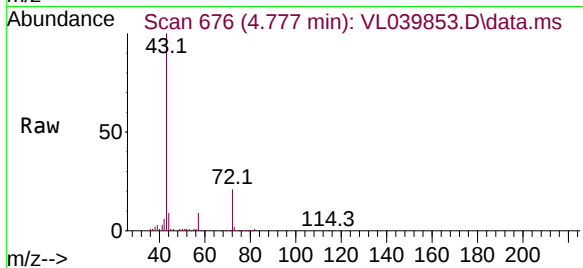




#34
2-Butanone
Concen: 1.183 ppbv
RT: 4.777 min Scan# 61
Delta R.T. -0.009 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

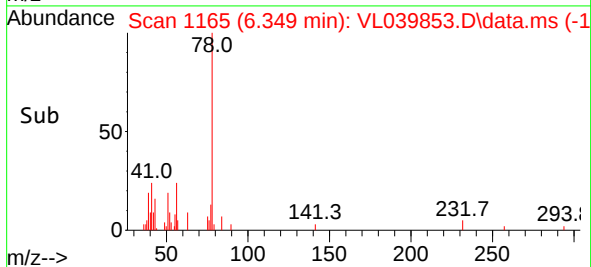
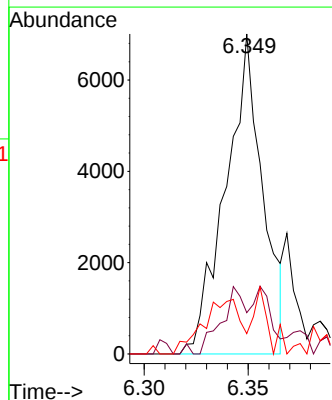
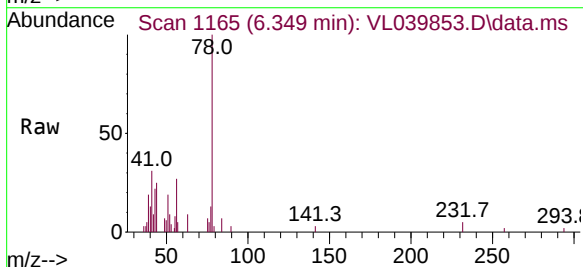
Instrument :
MSVOA_L
ClientSampleId :
10596-LIVING-ROOMDL

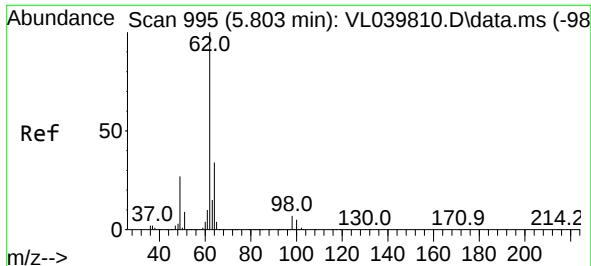
Tgt Ion: 43 Resp: 121765
Ion Ratio Lower Upper
43 100
72 25.6 17.5 26.3



#36
Benzene
Concen: 0.041 ppbv
RT: 6.349 min Scan# 1165
Delta R.T. -0.013 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

Tgt Ion: 78 Resp: 8661
Ion Ratio Lower Upper
78 100
77 12.9 17.4 26.2#
50 2.4 13.9 20.9#





#37

1,2-Dichloroethane

Concen: 0.030 ppbv

RT: 5.787 min Scan# 91

Delta R.T. -0.016 min

Lab File: VL039853.D

Acq: 9 Nov 2022 18:13

Instrument :

MSVOA_L

ClientSampleId :

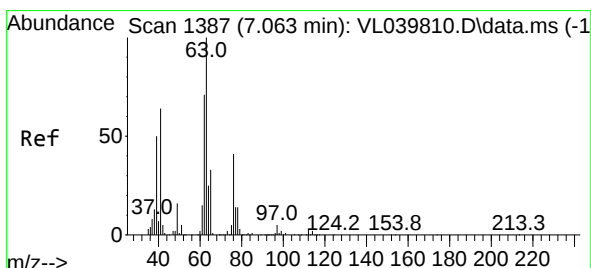
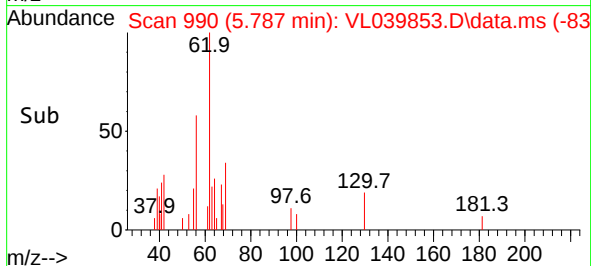
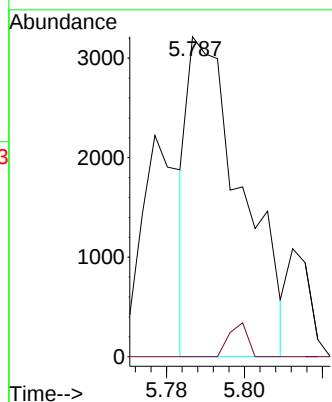
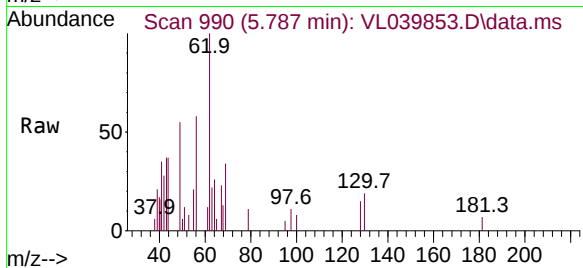
10596-LIVING-ROOMDL

Tgt Ion: 62 Resp: 3080

Ion Ratio Lower Upper

62 100

98 0.0 5.4 8.2#



#39

1,2-Dichloropropane

Concen: 7.701 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.434 min

Lab File: VL039853.D

Acq: 9 Nov 2022 18:13

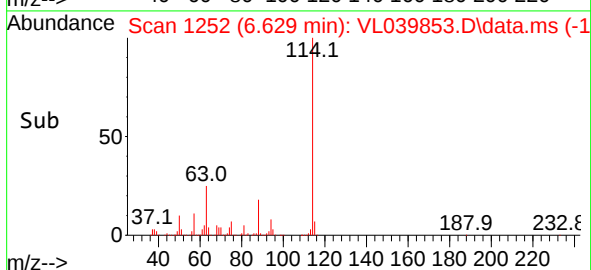
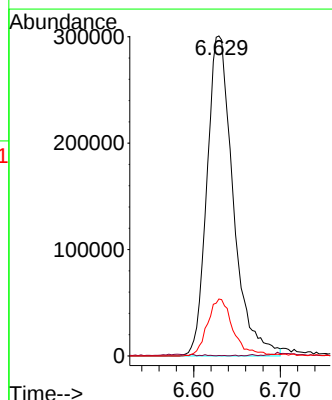
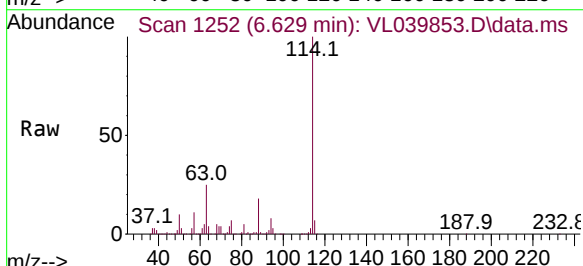
Tgt Ion: 63 Resp: 631553

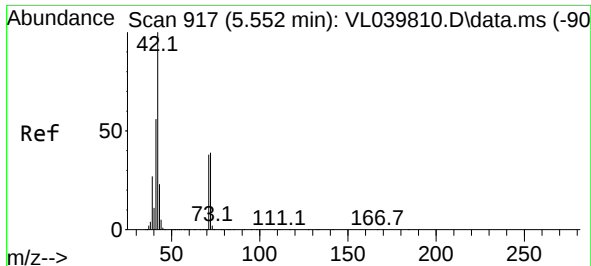
Ion Ratio Lower Upper

63 100

41 0.0 51.0 76.4#

62 17.8 56.6 85.0#

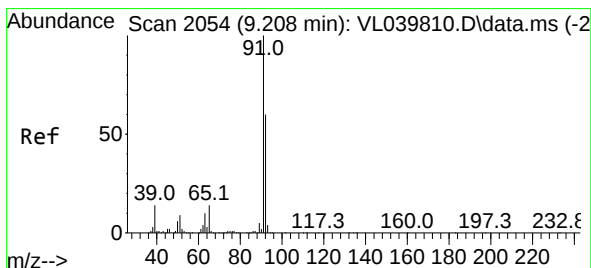
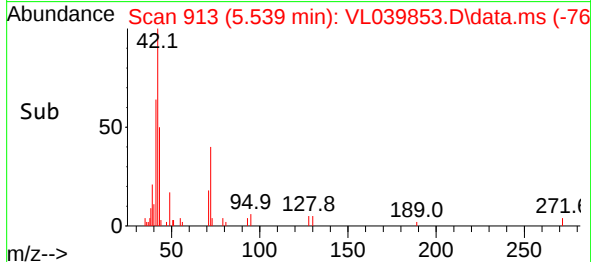
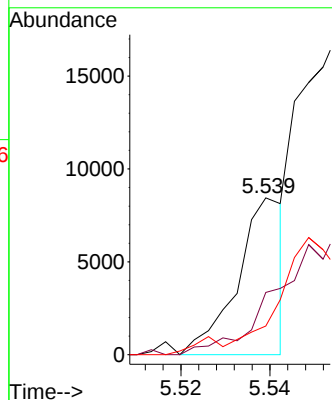
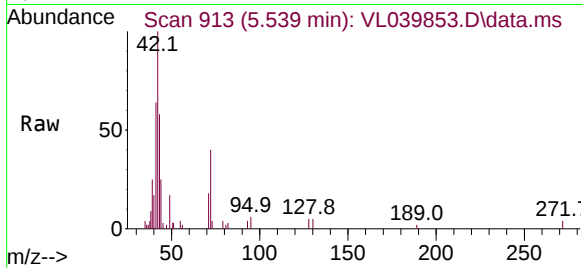




#41
Tetrahydrofuran
Concen: 0.071 ppbv
RT: 5.539 min Scan# 917
Delta R.T. -0.013 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

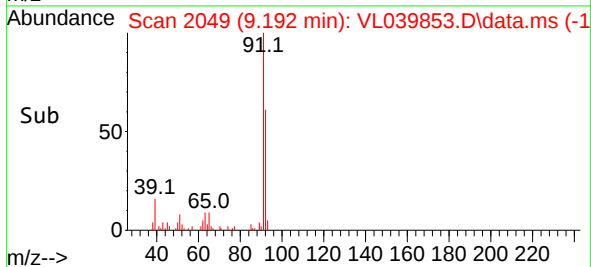
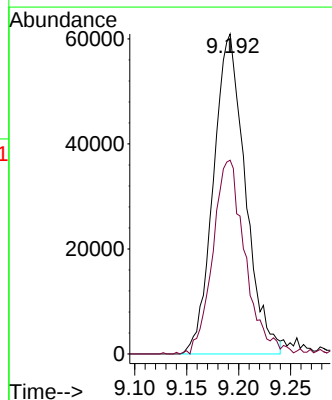
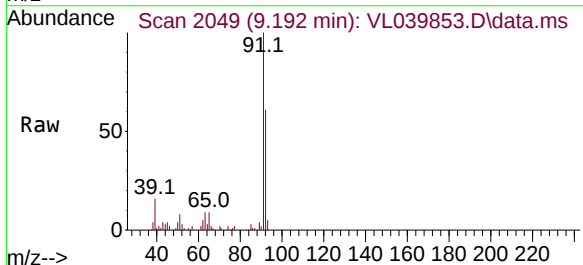
Instrument :
MSVOA_L
ClientSampleId :
10596-LIVING-ROOMDL

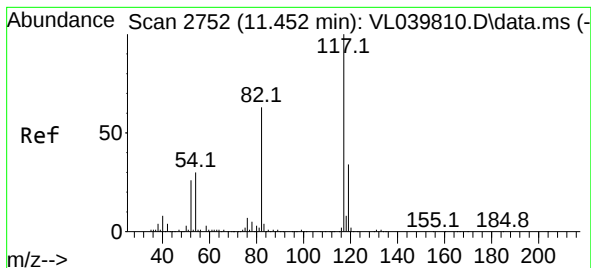
Tgt Ion: 42 Resp: 6111
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.2#
71 0.0 31.5 47.3#



#53
Toluene
Concen: 0.539 ppbv
RT: 9.192 min Scan# 2049
Delta R.T. -0.016 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

Tgt Ion: 91 Resp: 130230
Ion Ratio Lower Upper
91 100
92 62.2 49.6 74.4

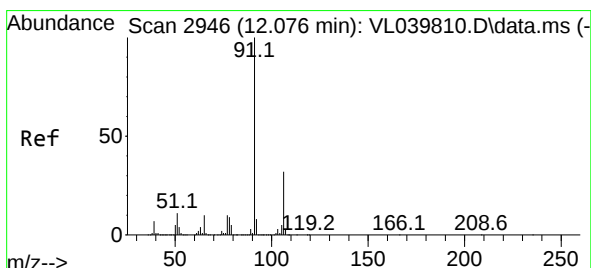
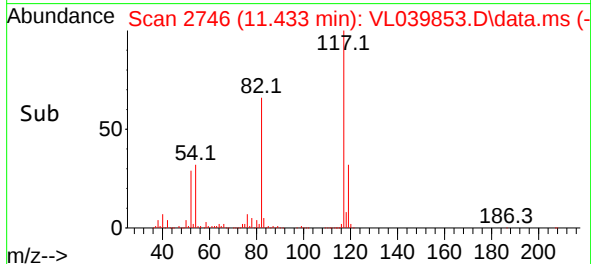
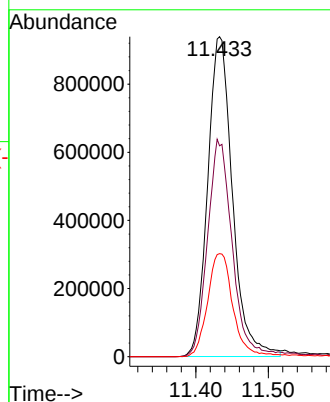
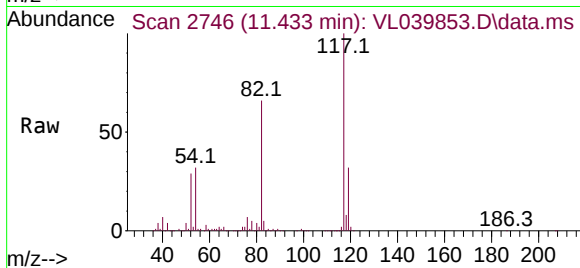




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.433 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

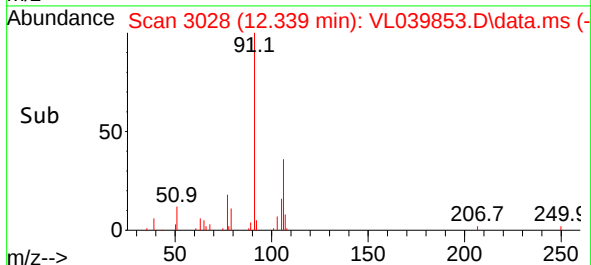
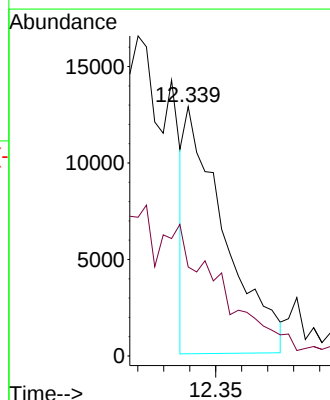
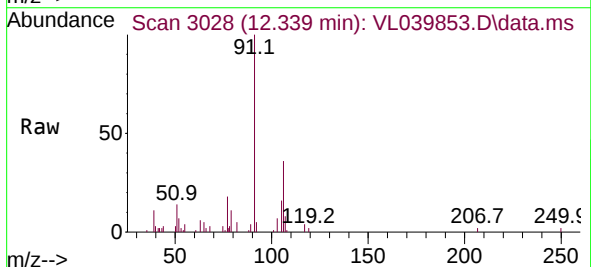
Instrument :
MSVOA_L
ClientSampleId :
10596-LIVING-ROOMDL

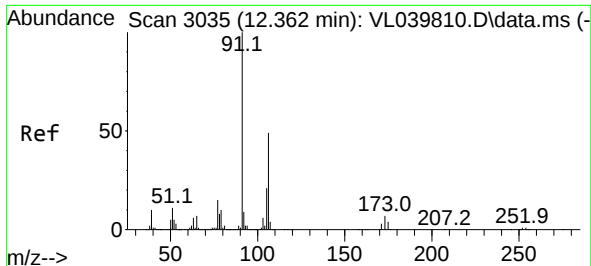
Tgt Ion:117 Resp: 2229965
Ion Ratio Lower Upper
117 100
82 68.9 51.0 76.6
119 33.4 24.7 37.1



#58
Ethyl Benzene
Concen: 0.045 ppbv
RT: 12.339 min Scan# 3028
Delta R.T. 0.264 min
Lab File: VL039853.D
Acq: 9 Nov 2022 18:13

Tgt Ion: 91 Resp: 13557
Ion Ratio Lower Upper
91 100
106 31.5 25.9 38.9





#59

m/p-Xylene

Concen: 0.054 ppbv

RT: 12.339 min Scan# 3035

Delta R.T. -0.022 min

Lab File: VL039853.D

Acq: 9 Nov 2022 18:13

Instrument :

MSVOA_L

ClientSampleId :

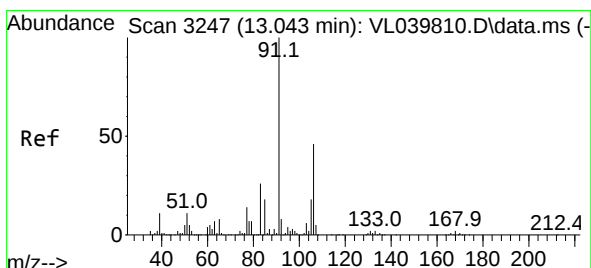
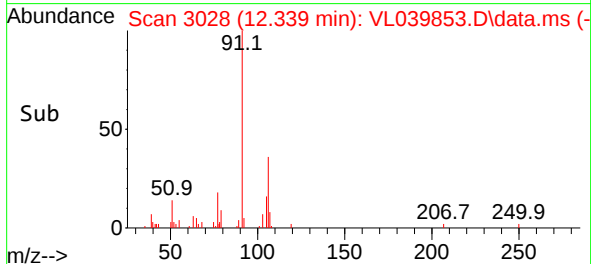
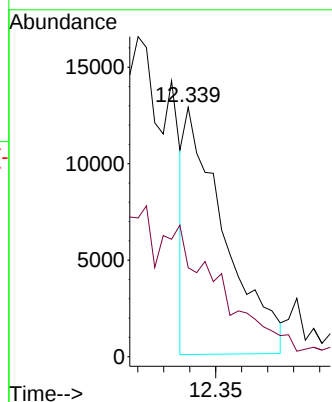
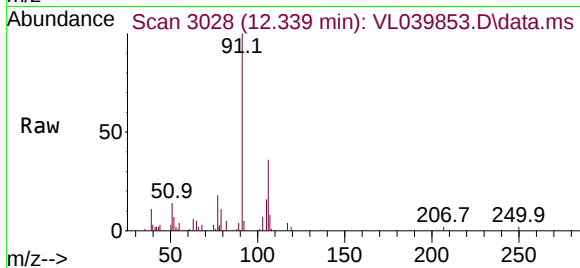
10596-LIVING-ROOMDL

Tgt Ion: 91 Resp: 13557

Ion Ratio Lower Upper

91 100

106 0.0 37.6 56.4#



#60

o-Xylene

Concen: 0.040 ppbv

RT: 13.021 min Scan# 3240

Delta R.T. -0.022 min

Lab File: VL039853.D

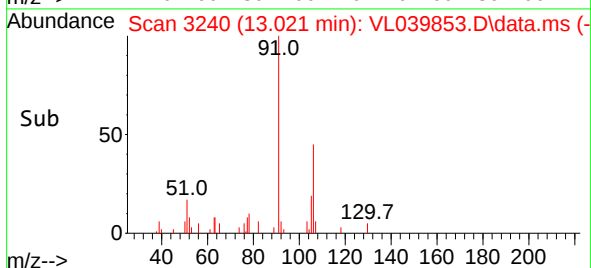
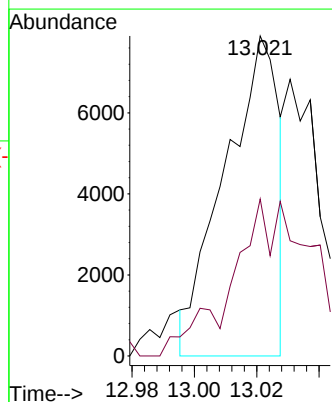
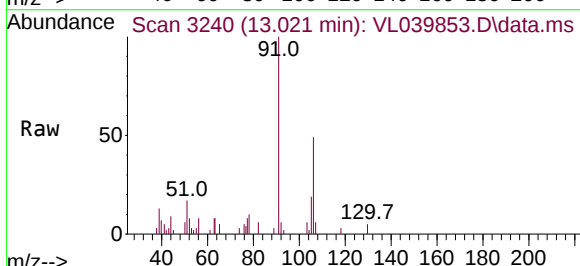
Acq: 9 Nov 2022 18:13

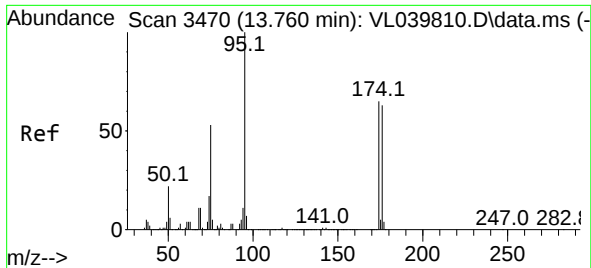
Tgt Ion: 91 Resp: 9505

Ion Ratio Lower Upper

91 100

106 84.5 23.6 70.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.446 ppbv
 RT: 13.741 min Scan# 34
 Delta R.T. -0.019 min
 Lab File: VL039853.D
 Acq: 9 Nov 2022 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 10596-LIVING-ROOMDL

Tgt Ion: 95 Resp: 1743588
 Ion Ratio Lower Upper
 95 100
 174 62.4 53.4 80.0
 175 4.8 4.1 6.1

