

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040037.D
 Acq On : 19 Dec 2022 20:50
 Operator : SY/MD
 Sample : N5971-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 20 05:15:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

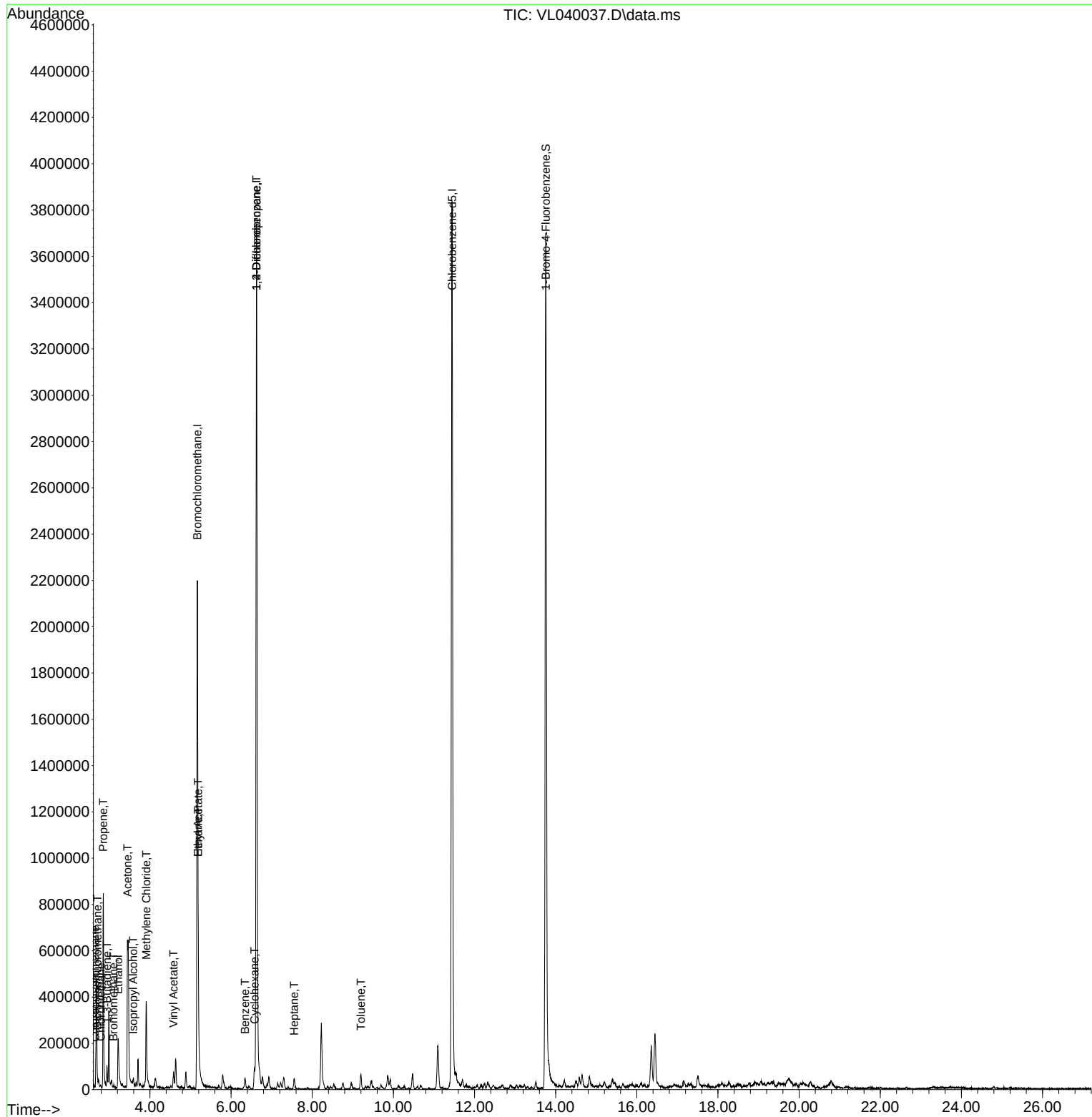
Internal Standards						
1) Bromochloromethane	5.166	49	1067276	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2929615	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2558755	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1932618	9.888	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.706	85	7385	0.037	ppbv	89
3) Chlorodifluoromethane	2.649	51	6896	0.044	ppbv	96
4) Chloromethane	2.790	50	7014	0.071	ppbv #	80
6) Bromomethane	3.099	94	1233	0.042	ppbv	100
9) Propene	2.848	41	226114	3.384	ppbv	98
10) Heptane	7.555	43	8252	0.051	ppbv #	26
13) Ethanol	3.218	45	238679	37.948	ppbv	87
15) Acetone	3.446	43	784138	4.749	ppbv	94
16) 1,3-Butadiene	2.944	39	23718	0.330	ppbv #	32
19) Isopropyl Alcohol	3.587	45	2967	0.036	ppbv #	94
20) Methylene Chloride	3.912	84	123980	1.767	ppbv	99
23) Vinyl Acetate	4.584	43	33169	0.634	ppbv #	1
25) Ethyl Acetate	5.189	43	65597	0.229	ppbv #	76
26) Hexane	5.189	57	93121	0.775	ppbv #	39
30) Cyclohexane	6.578	84	26866	0.252	ppbv	94
36) Benzene	6.346	78	30721	0.117	ppbv	94
39) 1,2-Dichloropropane	6.626	63	698644	7.124	ppbv #	24
53) Toluene	9.198	91	45575	0.157	ppbv	95

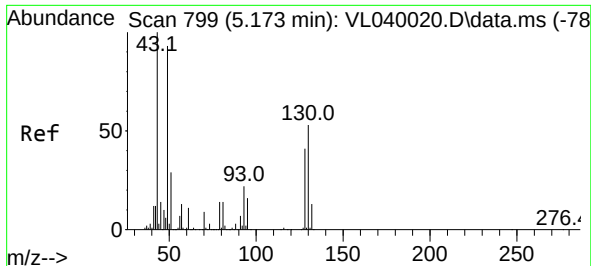
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
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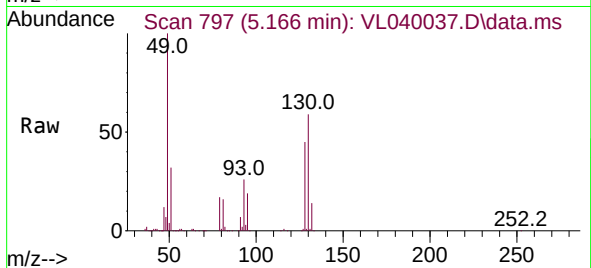
Quant Time: Dec 20 05:15:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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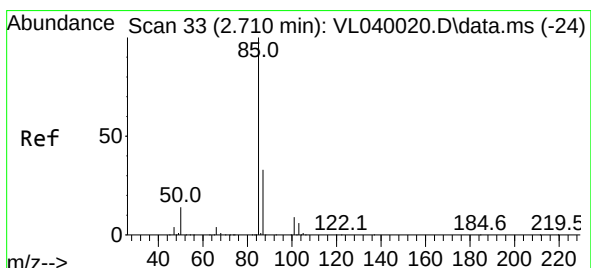
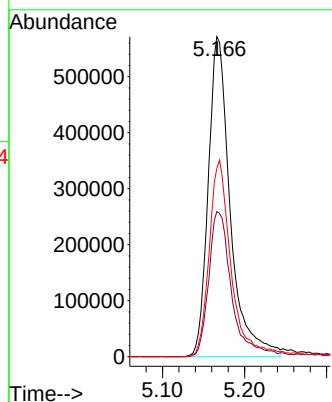
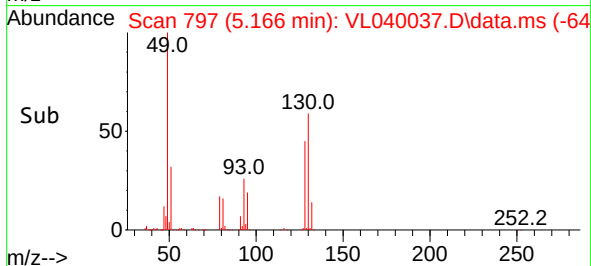


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.166 min Scan# 799
 Delta R.T. -0.007 min
 Lab File: VL040037.D
 Acq: 19 Dec 2022 20:50

Instrument :
 MSVOA_L
 ClientSampleId :

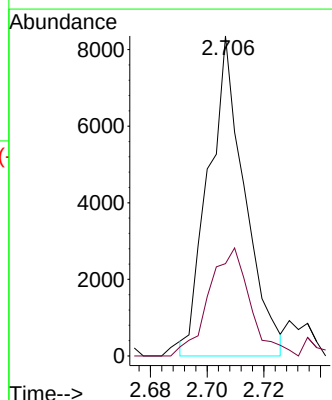
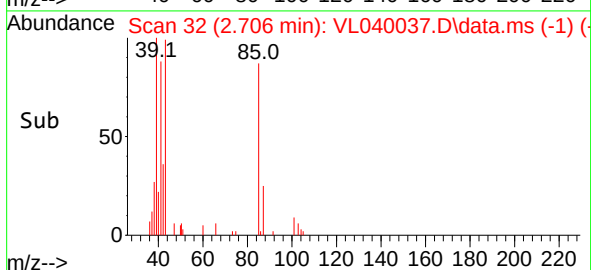
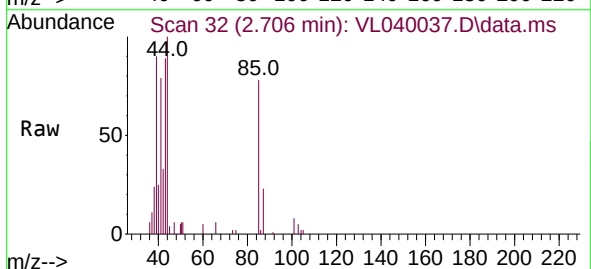


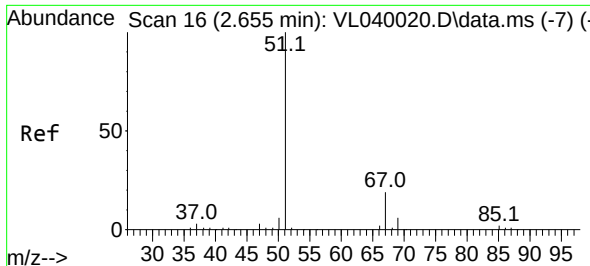
Tgt Ion: 49 Resp: 1067276
 Ion Ratio Lower Upper
 49 100
 128 48.4 22.4 67.3
 130 63.0 28.9 86.8



#2
 Dichlorodifluoromethane
 Concen: 0.037 ppbv
 RT: 2.706 min Scan# 32
 Delta R.T. -0.003 min
 Lab File: VL040037.D
 Acq: 19 Dec 2022 20:50

Tgt Ion: 85 Resp: 7385
 Ion Ratio Lower Upper
 85 100
 87 27.3 26.6 40.0

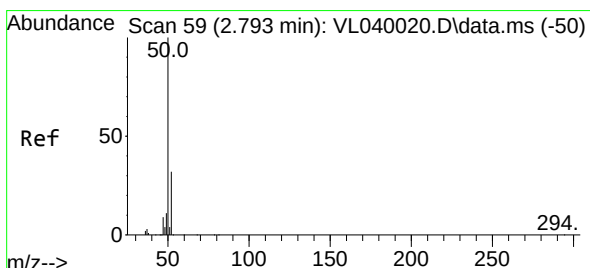
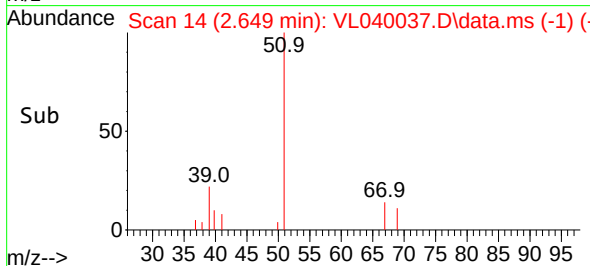
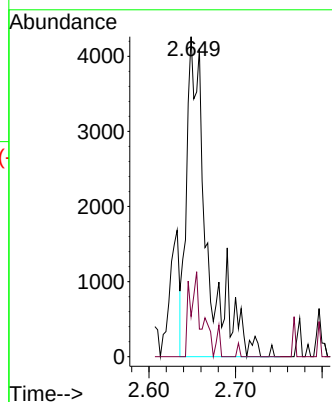
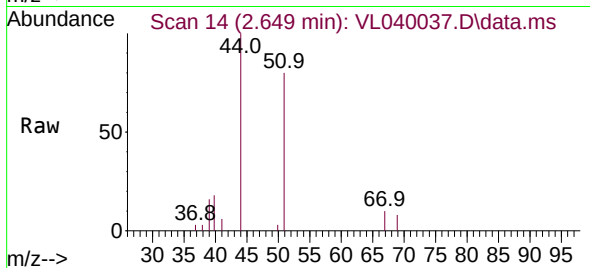




#3
Chlorodifluoromethane
Concen: 0.044 ppbv
RT: 2.649 min Scan# 14
Delta R.T. -0.006 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

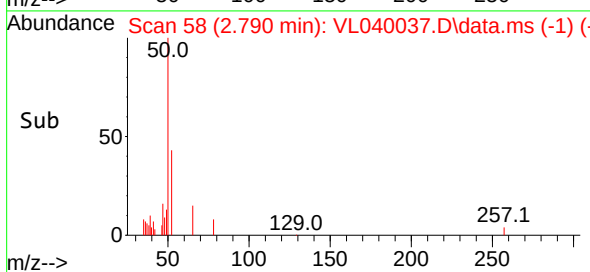
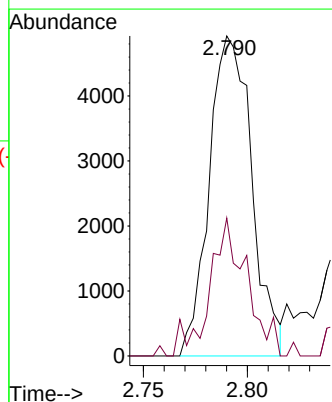
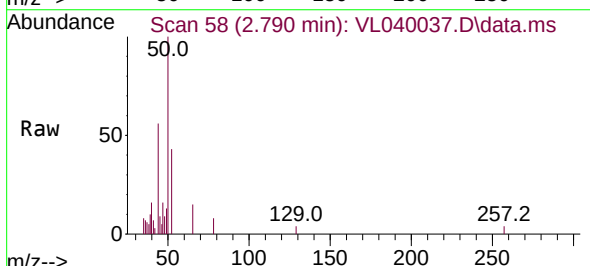
Instrument :
MSVOA_L
ClientSampleId :

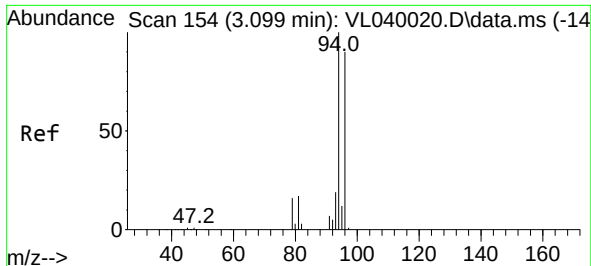
Tgt Ion: 51 Resp: 6896
Ion Ratio Lower Upper
51 100
67 17.1 15.3 22.9



#4
Chloromethane
Concen: 0.071 ppbv
RT: 2.790 min Scan# 58
Delta R.T. -0.003 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

Tgt Ion: 50 Resp: 7014
Ion Ratio Lower Upper
50 100
52 43.1 25.5 38.3#

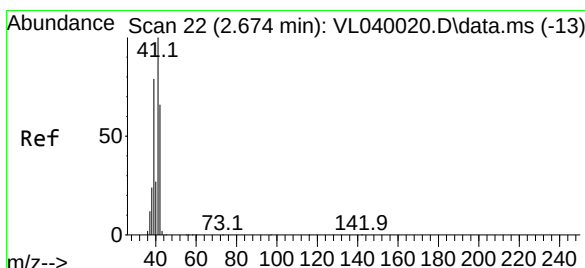
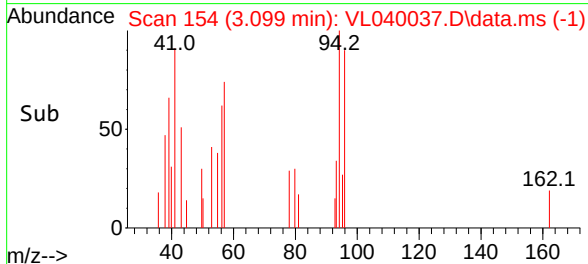
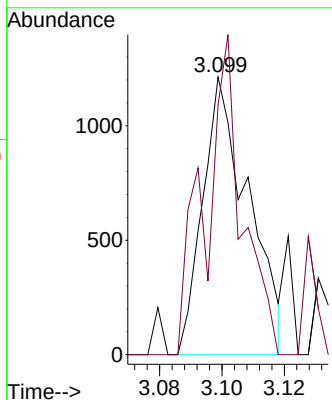
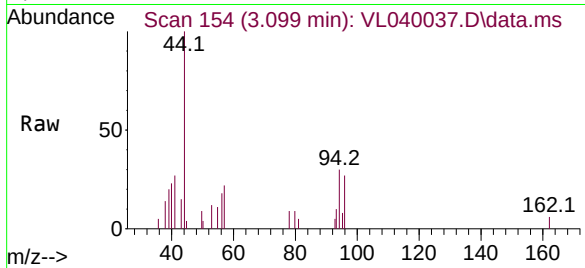




#6
Bromomethane
Concen: 0.042 ppbv
RT: 3.099 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

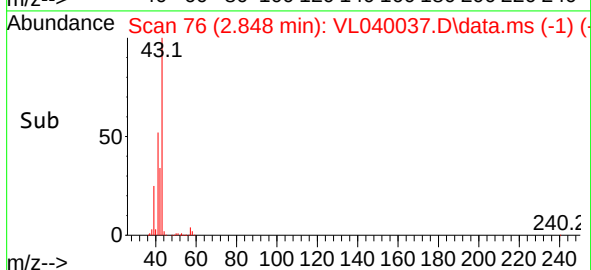
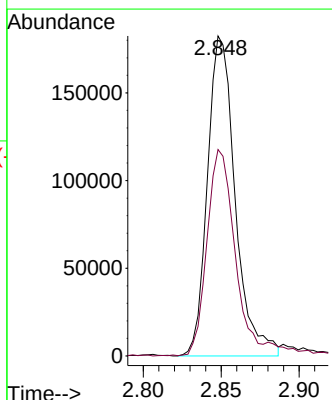
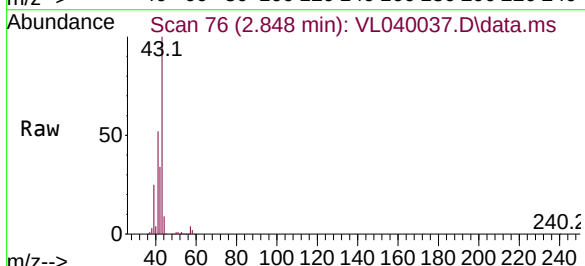
Instrument :
MSVOA_L
ClientSampleId :

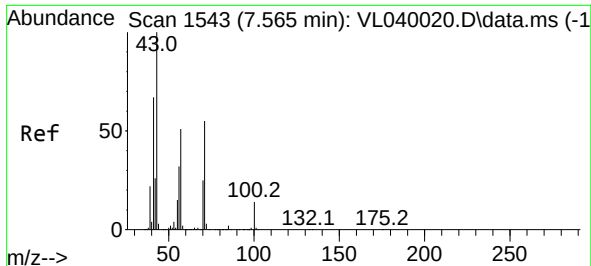
Tgt Ion: 94 Resp: 1233
Ion Ratio Lower Upper
94 100
96 89.9 72.0 108.0



#9
Propene
Concen: 3.384 ppbv
RT: 2.848 min Scan# 76
Delta R.T. 0.174 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

Tgt Ion: 41 Resp: 226114
Ion Ratio Lower Upper
41 100
42 69.7 54.8 82.2

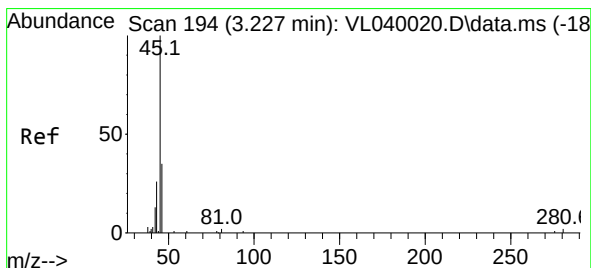
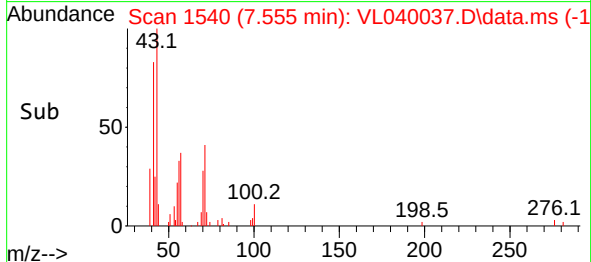
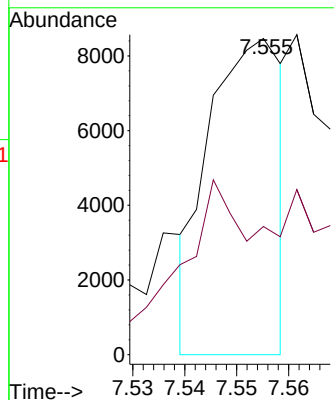
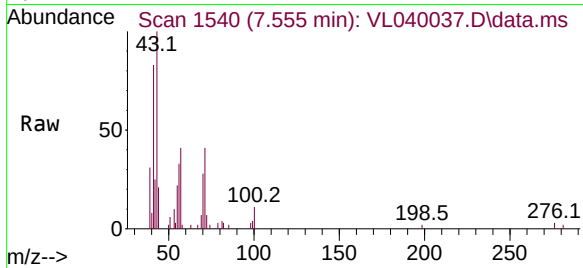




#10
 Heptane
 Concen: 0.051 ppbv
 RT: 7.555 min Scan# 11
 Delta R.T. -0.010 min
 Lab File: VL040037.D
 Acq: 19 Dec 2022 20:50

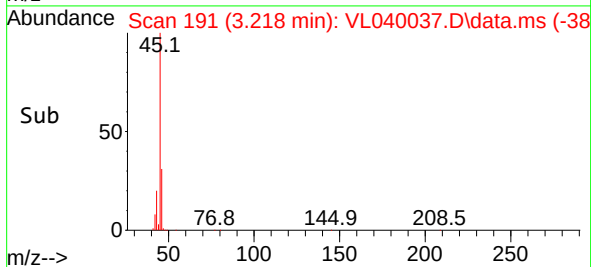
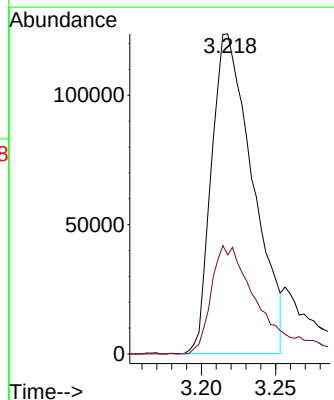
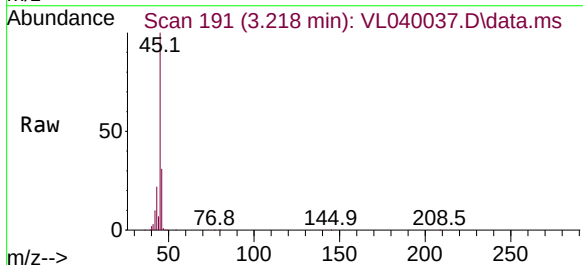
Instrument :
 MSVOA_L
 ClientSampleId :

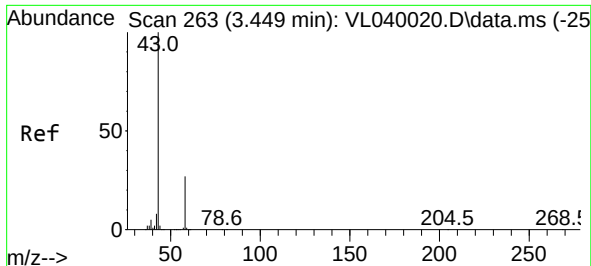
Tgt Ion: 43 Resp: 8252
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.2 61.8#



#13
 Ethanol
 Concen: 37.948 ppbv
 RT: 3.218 min Scan# 191
 Delta R.T. -0.010 min
 Lab File: VL040037.D
 Acq: 19 Dec 2022 20:50

Tgt Ion: 45 Resp: 238679
 Ion Ratio Lower Upper
 45 100
 46 41.8 13.7 54.7

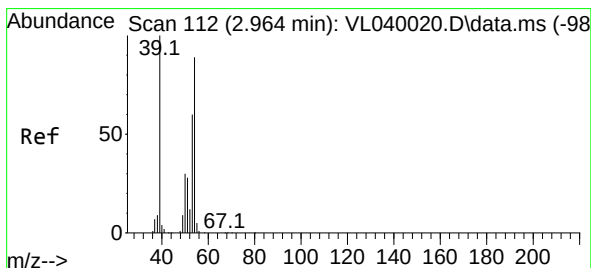
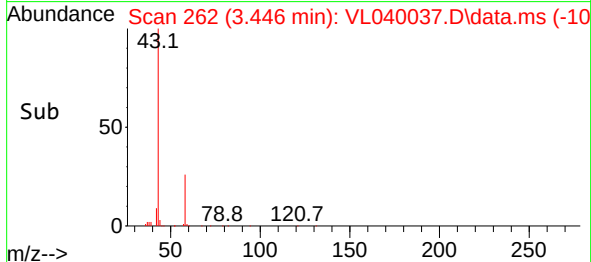
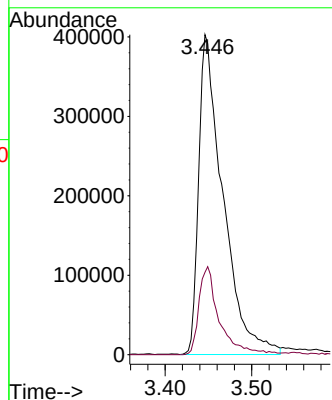
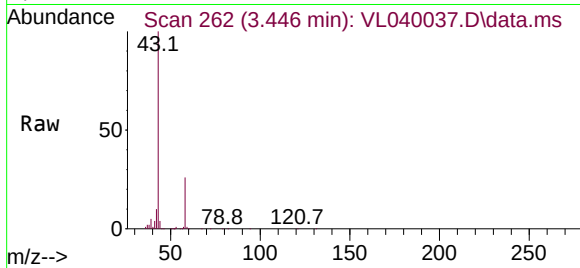




#15
Acetone
Concen: 4.749 ppbv
RT: 3.446 min Scan# 20
Delta R.T. -0.003 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

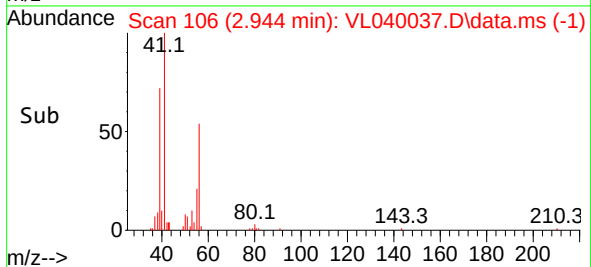
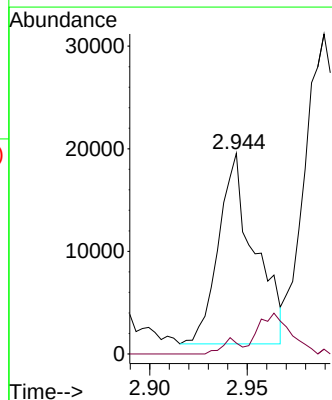
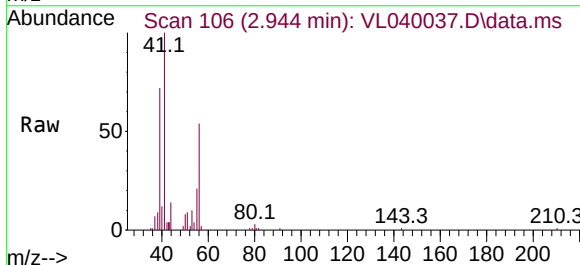
Instrument :
MSVOA_L
ClientSampleId :

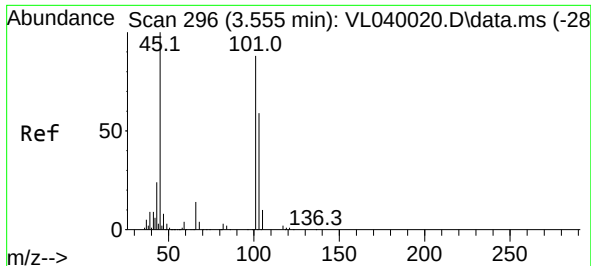
Tgt Ion: 43 Resp: 784138
Ion Ratio Lower Upper
43 100
58 24.0 21.8 32.8



#16
1,3-Butadiene
Concen: 0.330 ppbv
RT: 2.944 min Scan# 106
Delta R.T. -0.019 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

Tgt Ion: 39 Resp: 23718
Ion Ratio Lower Upper
39 100
54 23.6 68.3 102.5#





#19

Isopropyl Alcohol

Concen: 0.036 ppbv

RT: 3.587 min Scan# 306

Delta R.T. 0.032 min

Lab File: VL040037.D

Acq: 19 Dec 2022 20:50

Instrument :

MSVOA_L

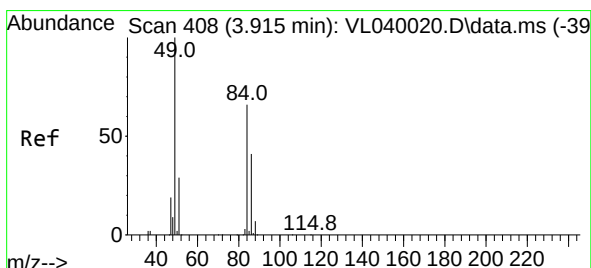
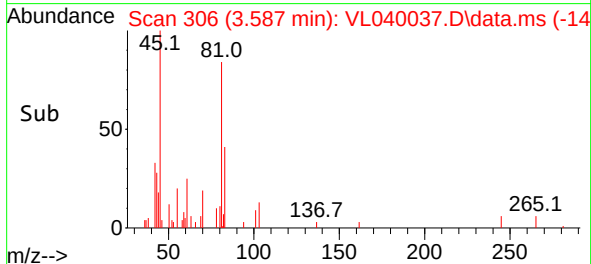
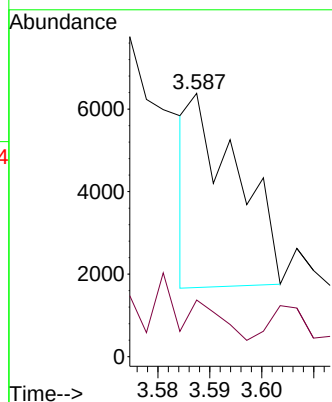
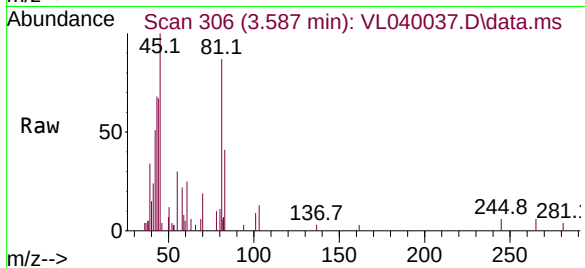
ClientSampleId :

Tgt Ion: 45 Resp: 2967

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 1.767 ppbv

RT: 3.912 min Scan# 407

Delta R.T. -0.003 min

Lab File: VL040037.D

Acq: 19 Dec 2022 20:50

Tgt Ion: 84 Resp: 123980

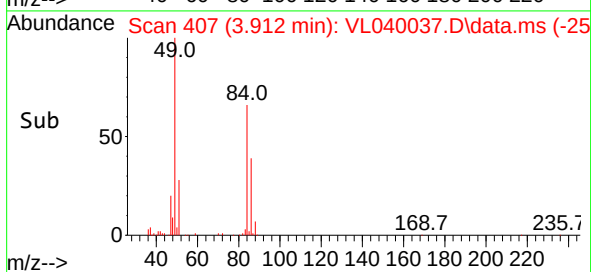
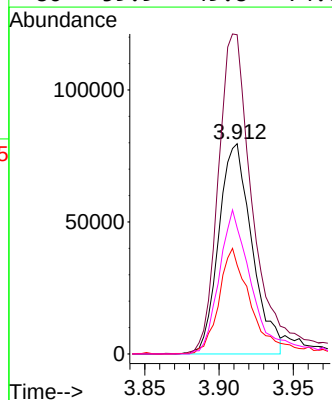
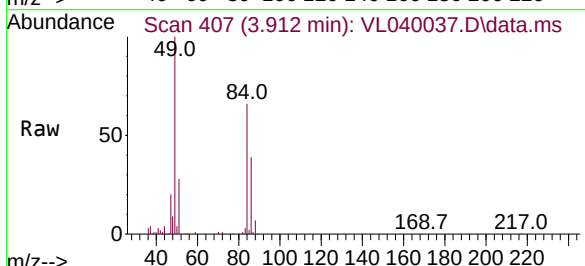
Ion Ratio Lower Upper

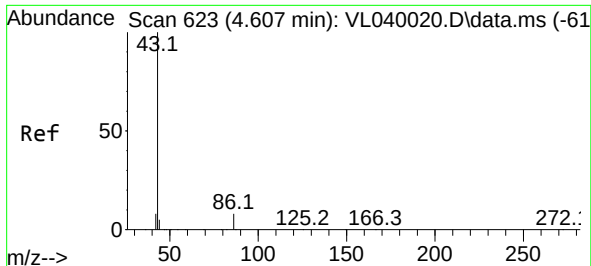
84 100

49 151.1 120.5 180.7

51 42.0 35.2 52.8

86 59.9 49.8 74.6



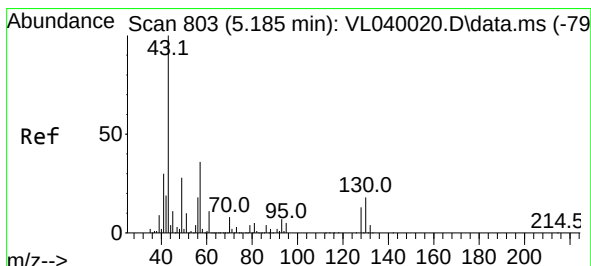
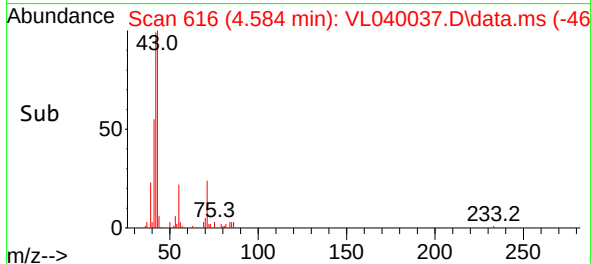
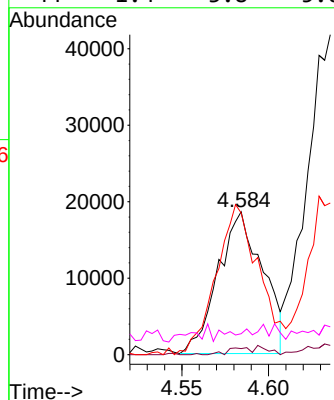
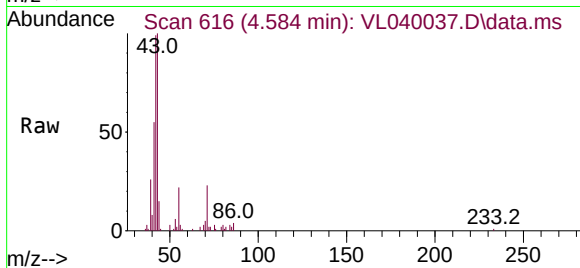


#23
 Vinyl Acetate
 Concen: 0.634 ppbv
 RT: 4.584 min Scan# 616
 Delta R.T. -0.022 min
 Lab File: VL040037.D
 Acq: 19 Dec 2022 20:50

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 33169

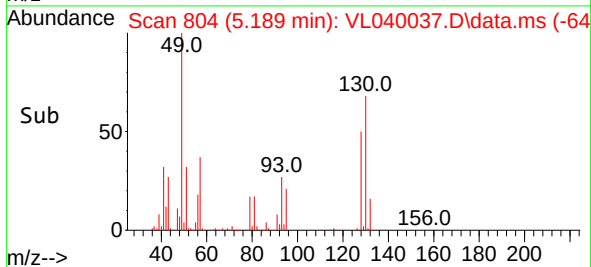
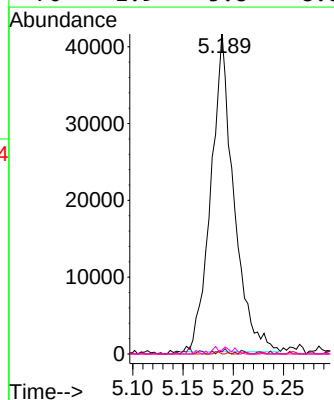
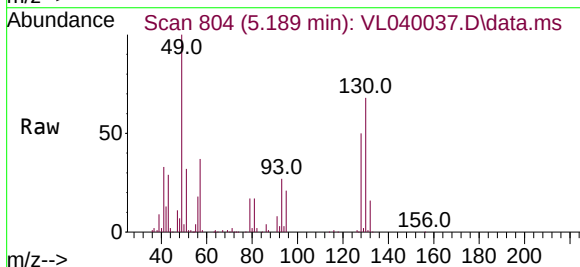
Ion	Ratio	Lower	Upper
43	100		
86	4.3	5.3	7.9#
42	97.1	7.4	11.0#
44	1.4	3.8	5.6#

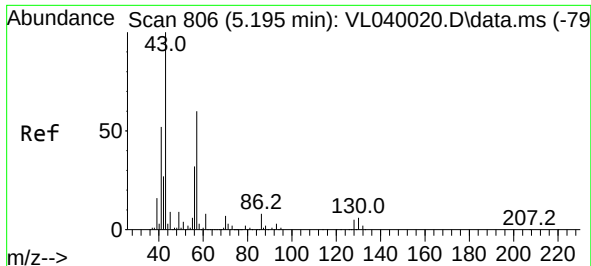


#25
 Ethyl Acetate
 Concen: 0.229 ppbv
 RT: 5.189 min Scan# 804
 Delta R.T. 0.003 min
 Lab File: VL040037.D
 Acq: 19 Dec 2022 20:50

Tgt Ion: 43 Resp: 65597

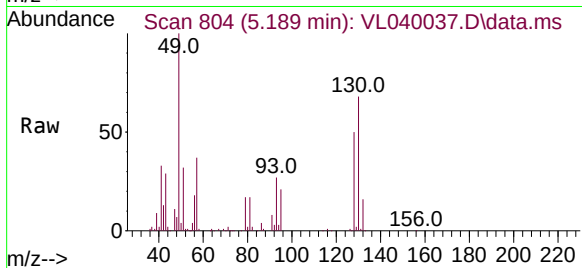
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.6	12.8#
61	0.2	8.5	12.7#
70	1.9	5.8	8.8#



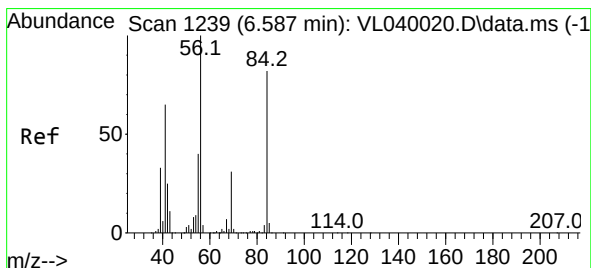
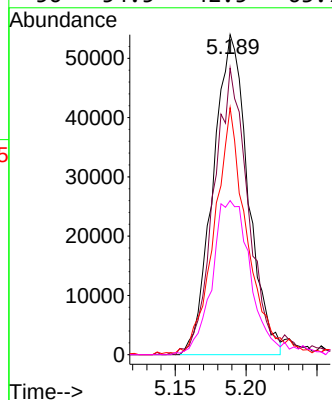
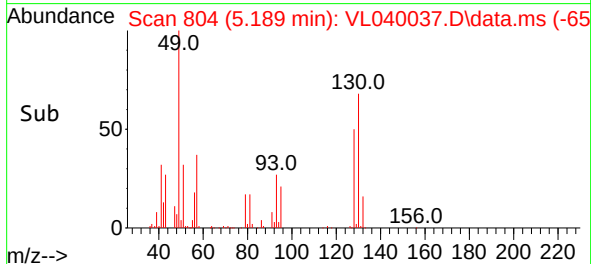


#26
Hexane
Concen: 0.775 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.006 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

Instrument :
MSVOA_L
ClientSampleId :

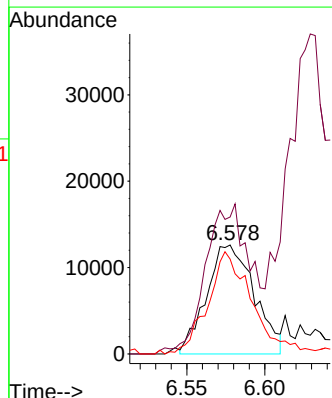
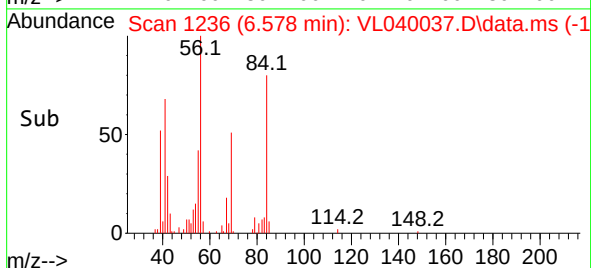
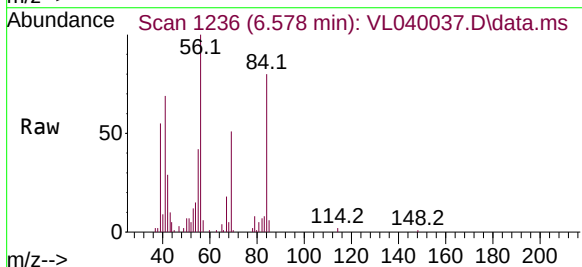


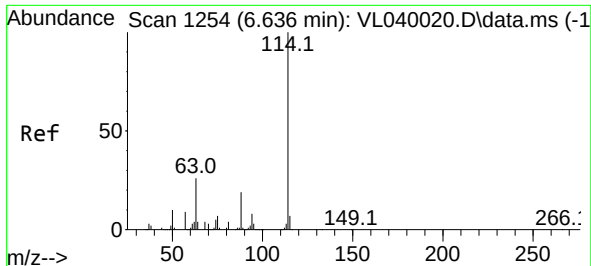
Tgt Ion: 57 Resp: 93121
Ion Ratio Lower Upper
57 100
41 91.1 72.1 108.1
43 74.9 192.1 288.1#
56 54.5 42.5 63.7



#30
Cyclohexane
Concen: 0.252 ppbv
RT: 6.578 min Scan# 1236
Delta R.T. -0.010 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

Tgt Ion: 84 Resp: 26866
Ion Ratio Lower Upper
84 100
56 130.7 110.2 165.4
41 89.3 67.8 101.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040037.D

Acq: 19 Dec 2022 20:50

Instrument :

MSVOA_L

ClientSampleId :

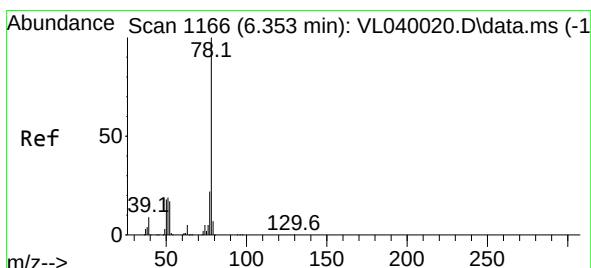
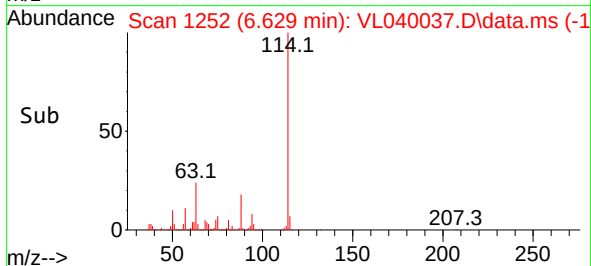
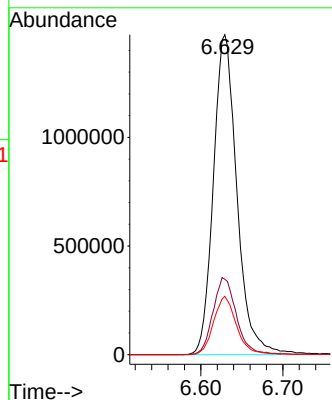
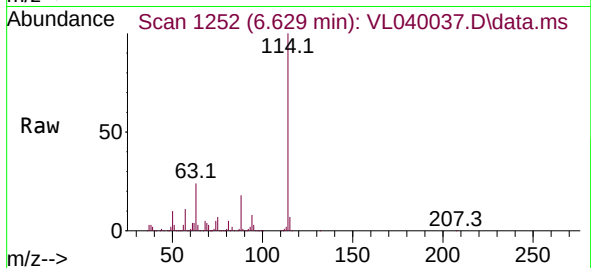
Tgt Ion:114 Resp: 2929615

Ion Ratio Lower Upper

114 100

63 24.4 20.2 30.2

88 18.0 14.6 21.8



#36

Benzene

Concen: 0.117 ppbv

RT: 6.346 min Scan# 1164

Delta R.T. -0.006 min

Lab File: VL040037.D

Acq: 19 Dec 2022 20:50

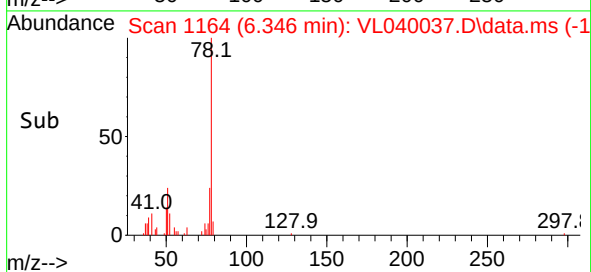
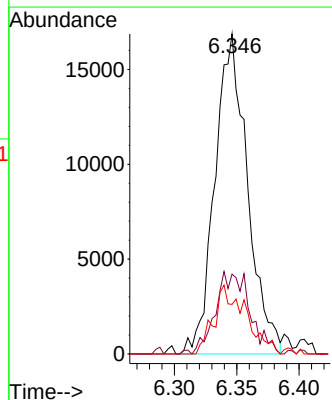
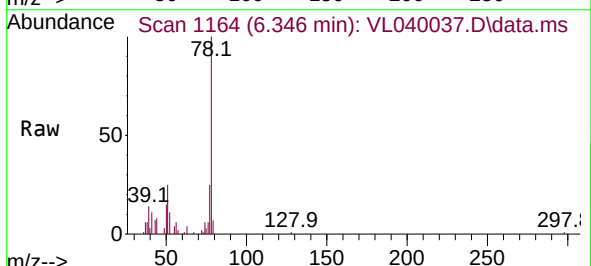
Tgt Ion: 78 Resp: 30721

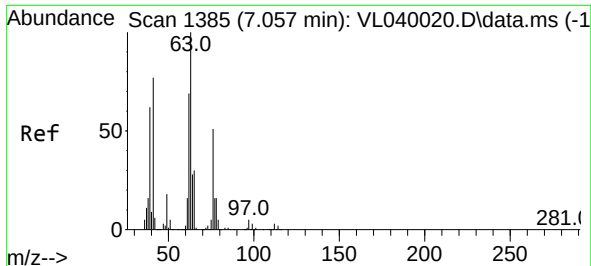
Ion Ratio Lower Upper

78 100

77 24.9 17.5 26.3

50 15.5 14.2 21.2





#39

1,2-Dichloropropane

Concen: 7.124 ppbv

RT: 6.626 min Scan# 1251

Delta R.T. -0.431 min

Lab File: VL040037.D

Acq: 19 Dec 2022 20:50

Instrument :

MSVOA_L

ClientSampleId :

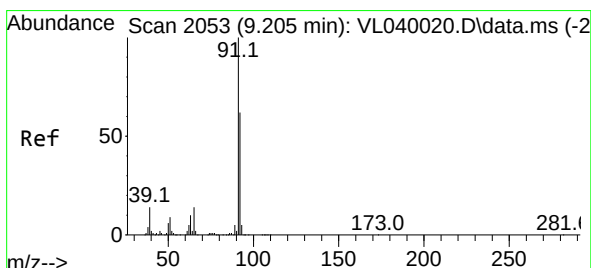
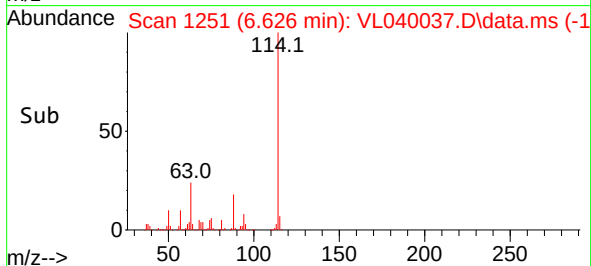
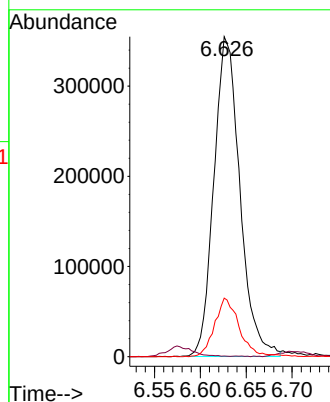
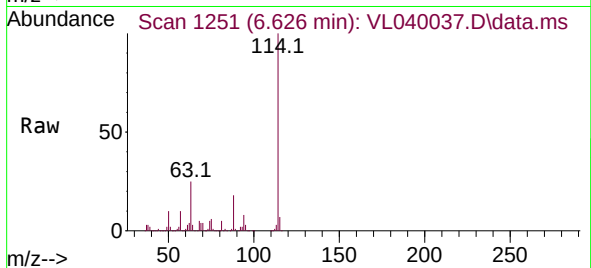
Tgt Ion: 63 Resp: 698644

Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 18.3 55.4 83.2#



#53

Toluene

Concen: 0.157 ppbv

RT: 9.198 min Scan# 2051

Delta R.T. -0.006 min

Lab File: VL040037.D

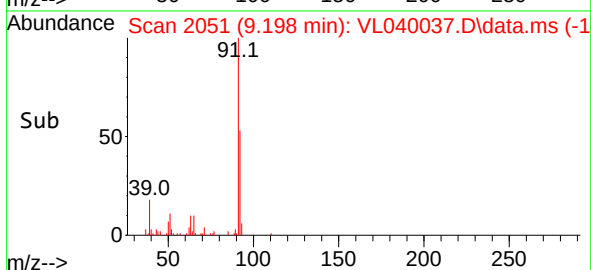
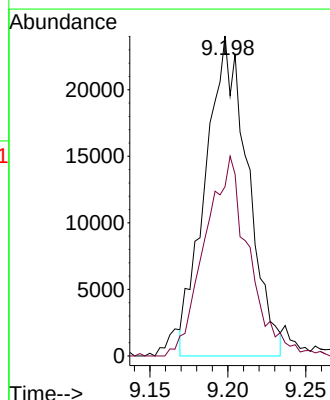
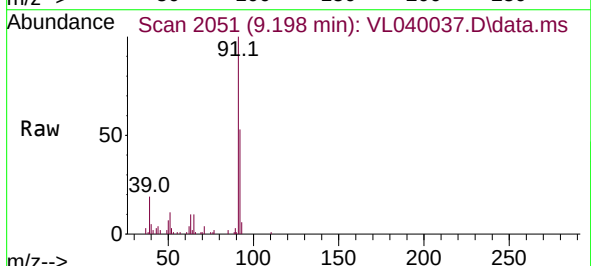
Acq: 19 Dec 2022 20:50

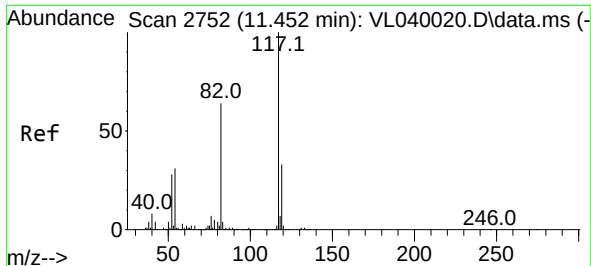
Tgt Ion: 91 Resp: 45575

Ion Ratio Lower Upper

91 100

92 64.8 48.7 73.1

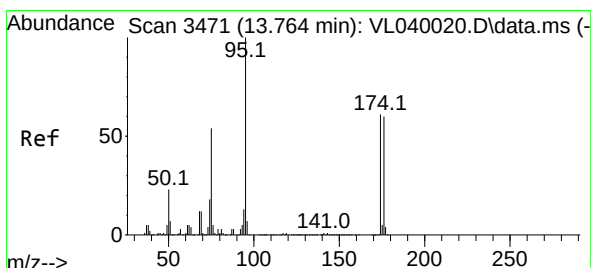
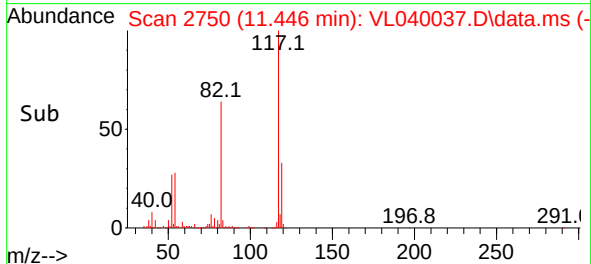
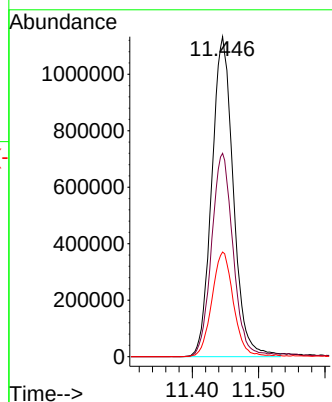
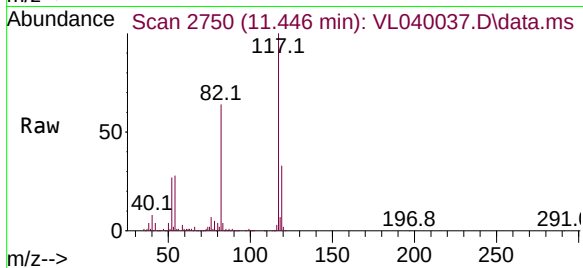




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2558755
Ion Ratio Lower Upper
117 100
82 65.1 51.2 76.8
119 32.9 23.2 34.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.888 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.006 min
Lab File: VL040037.D
Acq: 19 Dec 2022 20:50

Tgt Ion: 95 Resp: 1932618
Ion Ratio Lower Upper
95 100
174 63.2 48.6 73.0
175 4.4 3.4 5.2

