

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
 Data File : VL038594.D
 Acq On : 14 Mar 2022 13:29
 Operator : SY/AP
 Sample : N1885-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Quant Time: Mar 15 01:35:26 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	785519	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	2079647	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	1876213	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1429159	10.02	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

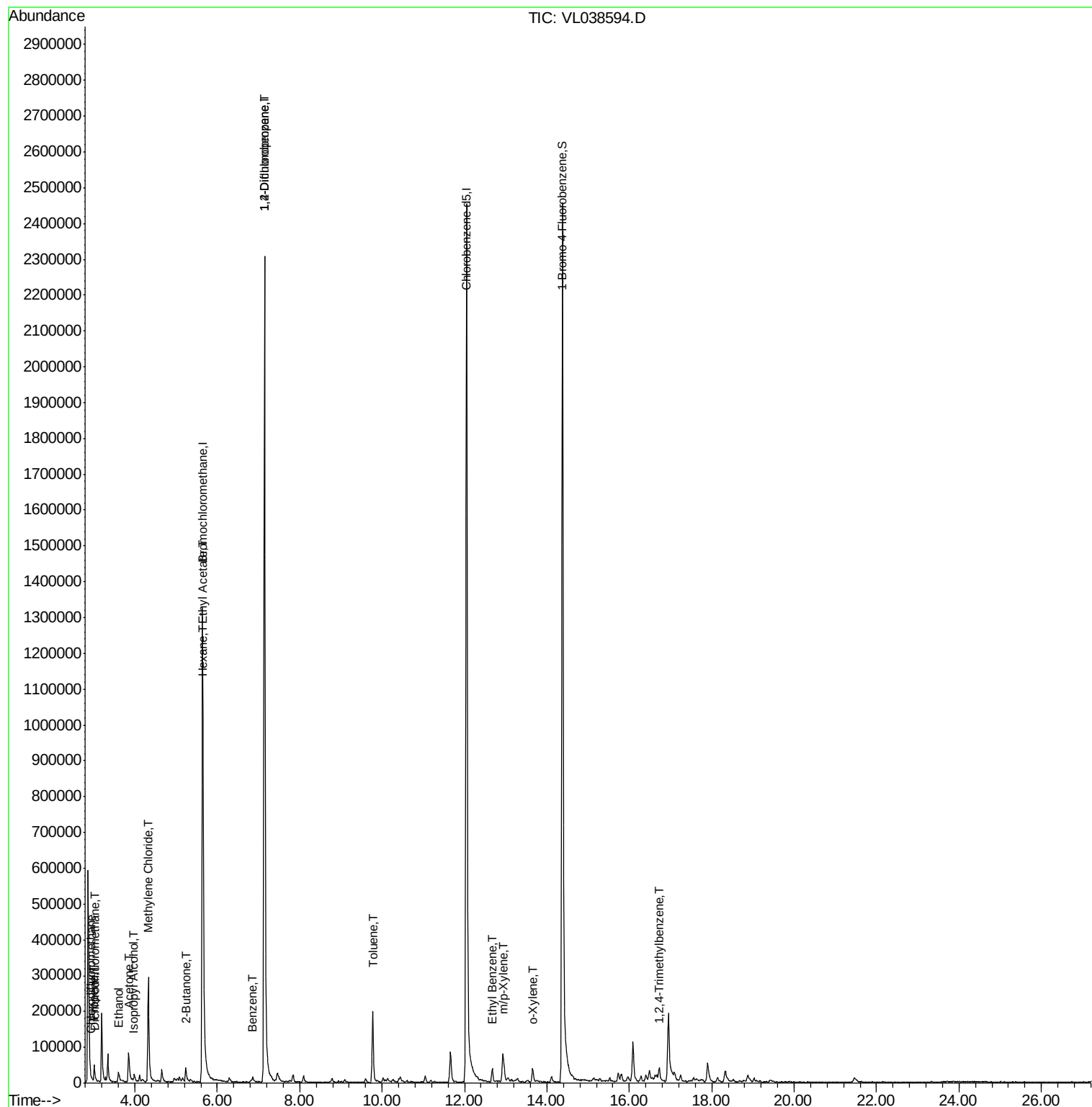
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	6904	0.06	ppbv	99
3) Chlorodifluoromethane	2.95	51	9052	0.07	ppbv #	78
9) Propene	3.01	41	14250	0.29	ppbv	85
13) Ethanol	3.60	45	28773	5.12	ppbv	84
15) Acetone	3.84	43	104252	1.88	ppbv	94
19) Isopropyl Alcohol	3.96	45	1720	0.05	ppbv #	92
20) Methylene Chloride	4.32	84	133459	4.00	ppbv	98
25) Ethyl Acetate	5.66	43	14503	0.08	ppbv #	86
26) Hexane	5.66	57	34826	0.40	ppbv #	44
34) 2-Butanone	5.23	43	54364	1.01	ppbv #	90
36) Benzene	6.86	78	9378	0.05	ppbv #	88
39) 1,2-Dichloropropane	7.14	63	479609	6.65	ppbv #	27
53) Toluene	9.77	91	167848	0.84	ppbv	99
58) Ethyl Benzene	12.68	91	32402	0.13	ppbv	99
59) m/p-Xylene	12.95	91	27554	0.13	ppbv #	30
60) o-Xylene	13.65	91	14292	0.07	ppbv #	30
74) 1,2,4-Trimethylbenzene	16.72	105	14322	0.06	ppbv #	80

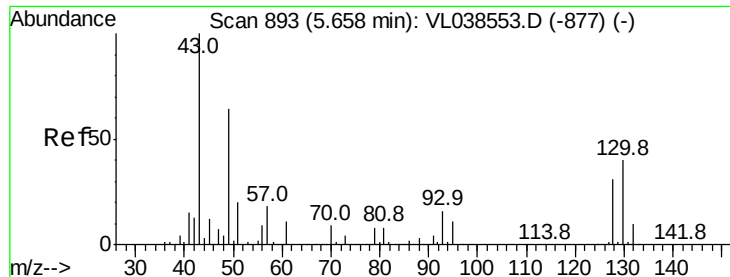
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
Data File : VL038594.D
Acq On : 14 Mar 2022 13:29
Operator : SY/AP
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

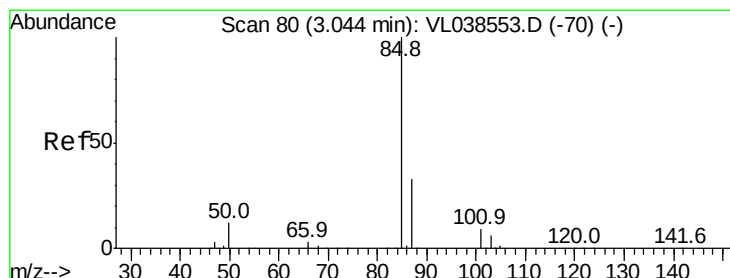
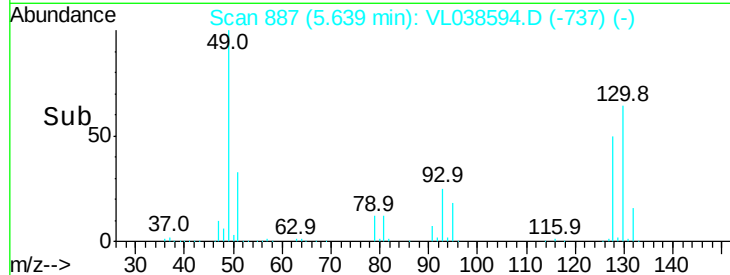
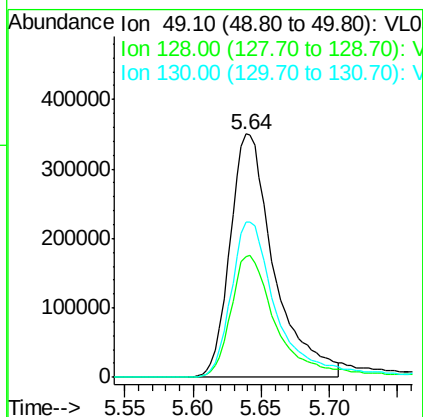
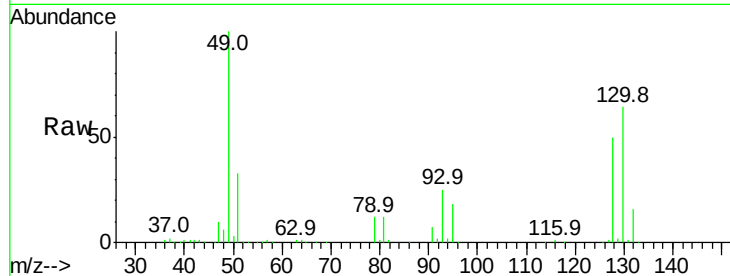
Quant Time: Mar 15 01:35:26 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
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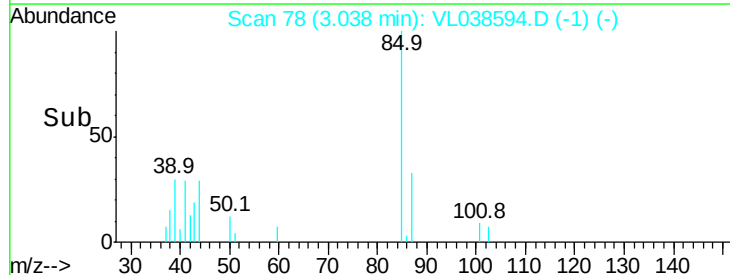
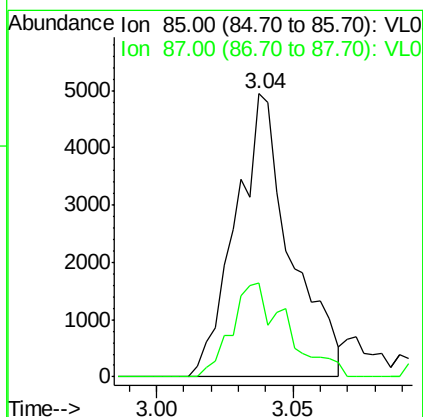
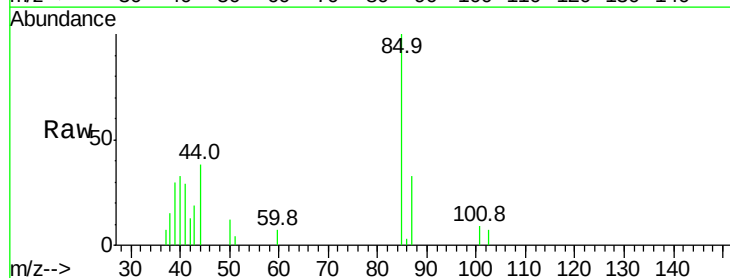
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.64
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SS-1DL
 Acq: 14 Mar 2022 13:29

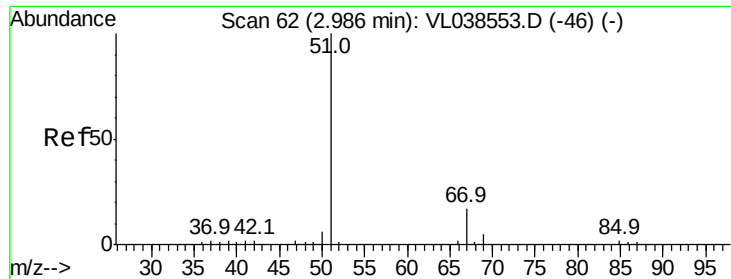
Tgt Ion: 49 Resp: 785519
 Ion Ratio Lower Upper
 49 100
 128 53.7 26.4 79.2
 130 67.9 33.0 98.9



#2
 Dichlorodifluoromethane
 Concen: 0.06 ppbv
 RT: 3.04 min Scan# 78
 Delta R.T. -0.01 min
 Lab File: VL038594.D
 Acq: 14 Mar 2022 13:29

Tgt Ion: 85 Resp: 6904
 Ion Ratio Lower Upper
 85 100
 87 33.3 26.2 39.2





#3

Chlorodifluoromethane

Concen: 0.07 ppbv

RT: 2.95 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

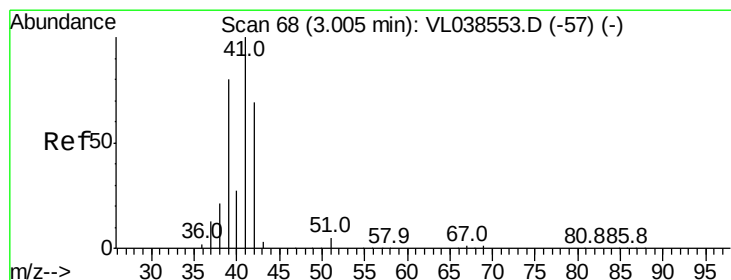
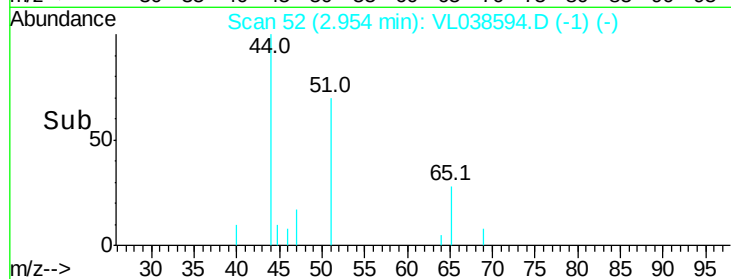
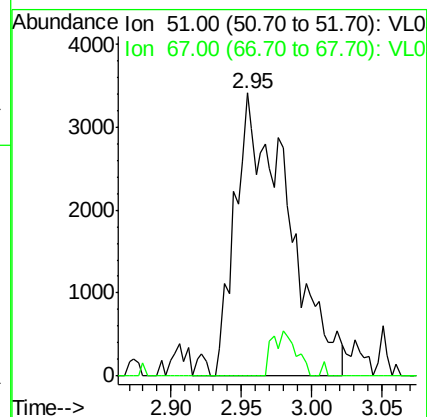
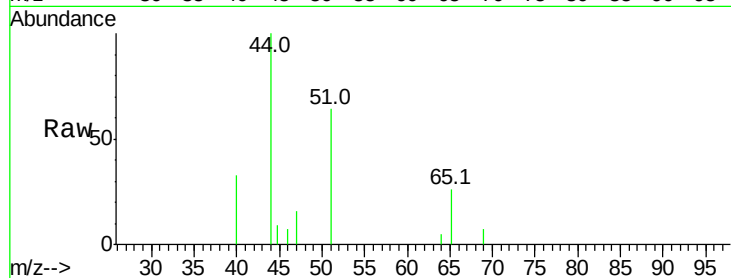
Acq: 14 Mar 2022 13:29

Tgt Ion: 51 Resp: 9052

Ion Ratio Lower Upper

51 100

67 7.5 13.6 20.4#



#9

Propene

Concen: 0.29 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL038594.D

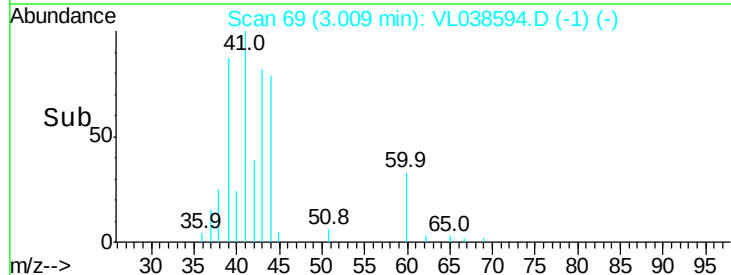
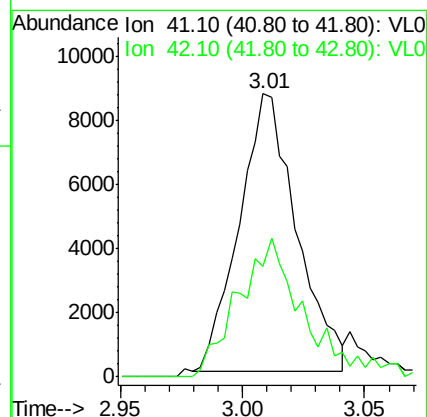
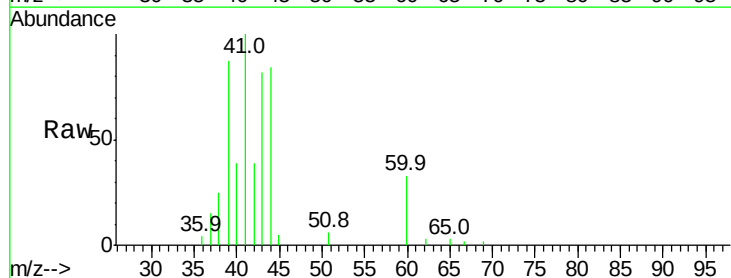
Acq: 14 Mar 2022 13:29

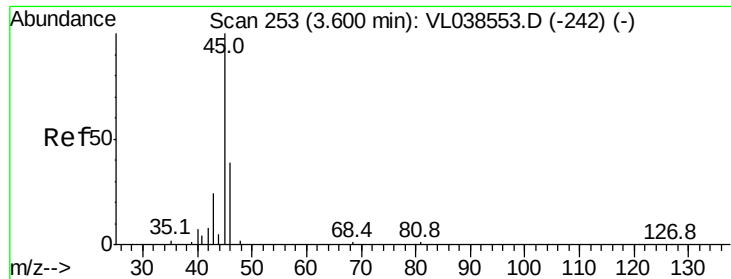
Tgt Ion: 41 Resp: 14250

Ion Ratio Lower Upper

41 100

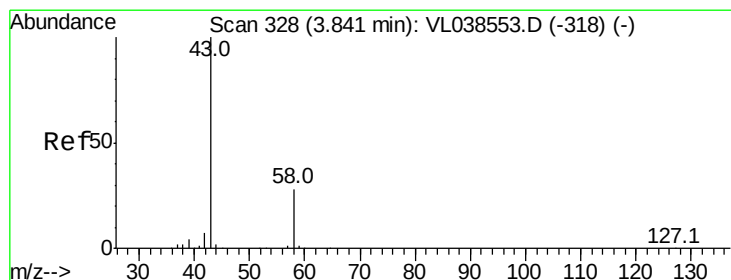
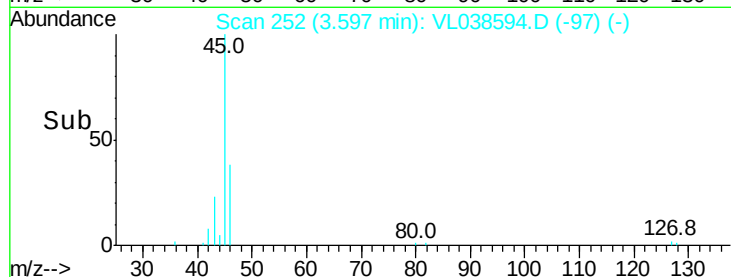
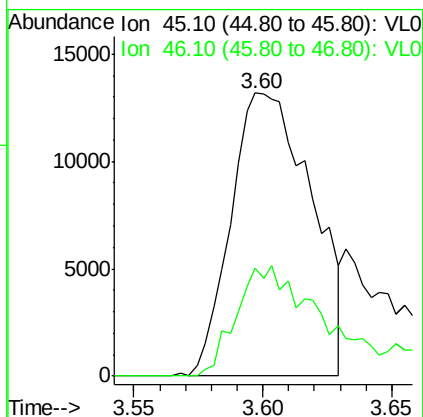
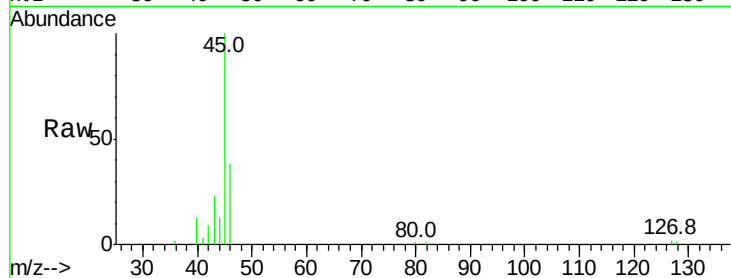
42 57.0 55.7 83.5





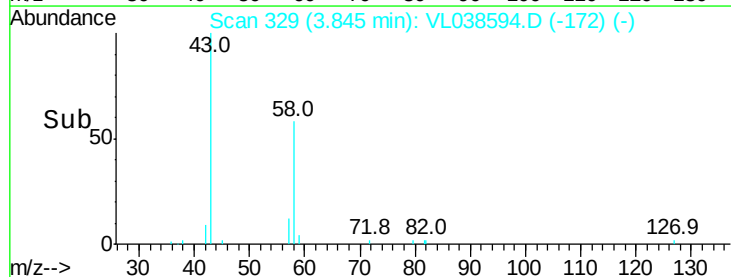
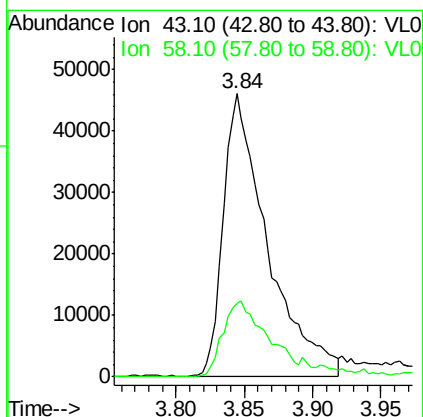
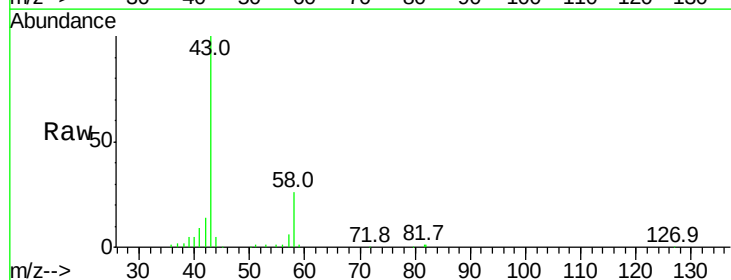
#13
Ethanol
Concen: 5.12 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 13:29

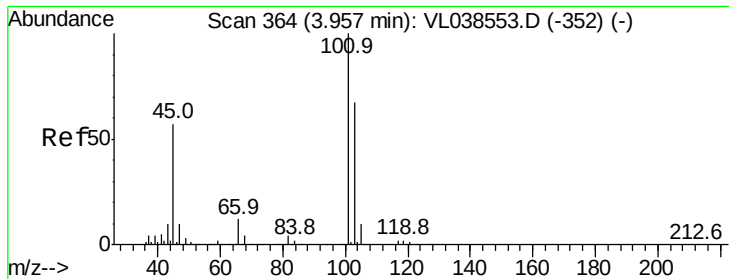
Tgt Ion: 45 Resp: 28773
Ion Ratio Lower Upper
45 100
46 52.2 16.8 67.0



#15
Acetone
Concen: 1.88 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.00 min
Lab File: VL038594.D
Acq: 14 Mar 2022 13:29

Tgt Ion: 43 Resp: 104252
Ion Ratio Lower Upper
43 100
58 31.4 22.7 34.1





#19

Isopropyl Alcohol

Concen: 0.05 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

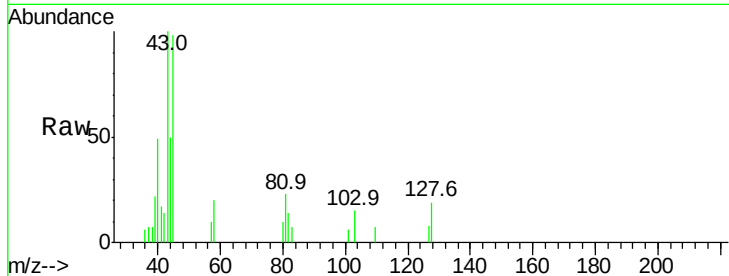
Acq: 14 Mar 2022 13:29

Tgt Ion: 45 Resp: 1720

Ion Ratio Lower Upper

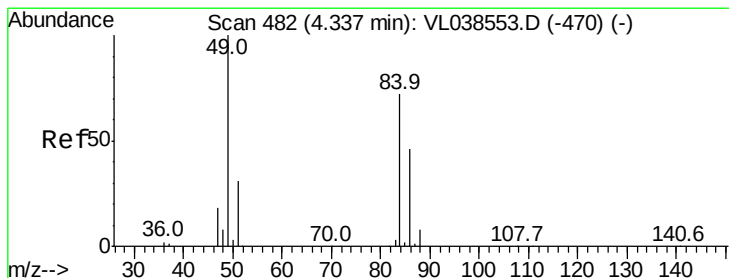
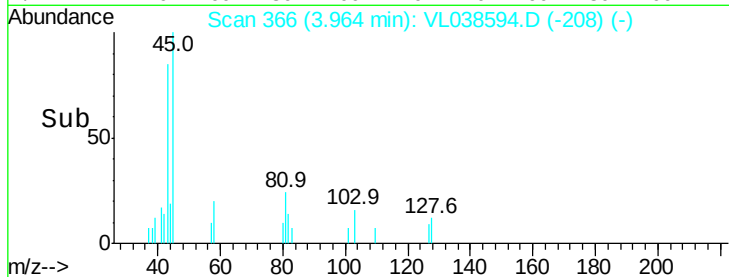
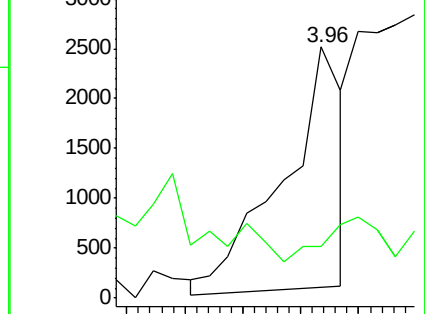
45 100

58 0.0 2.2 3.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 4.00 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.01 min

Lab File: VL038594.D

Acq: 14 Mar 2022 13:29

Tgt Ion: 84 Resp: 133459

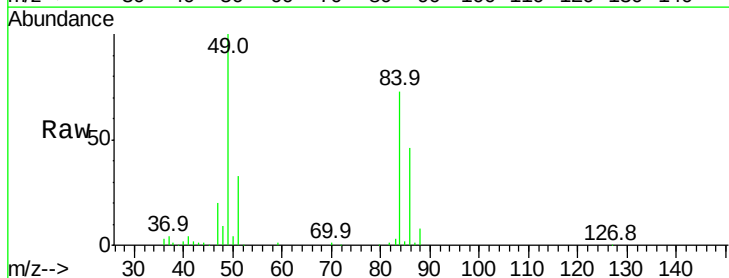
Ion Ratio Lower Upper

84 100

49 137.2 111.1 166.7

51 45.3 34.0 51.0

86 62.8 50.9 76.3

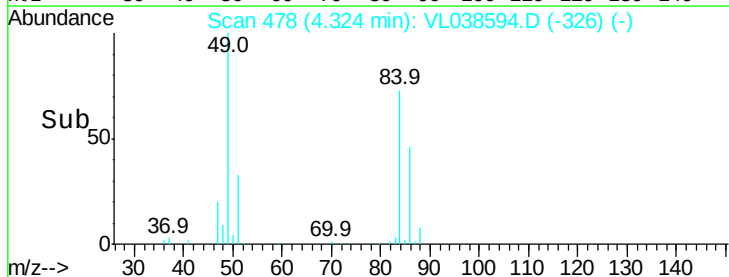
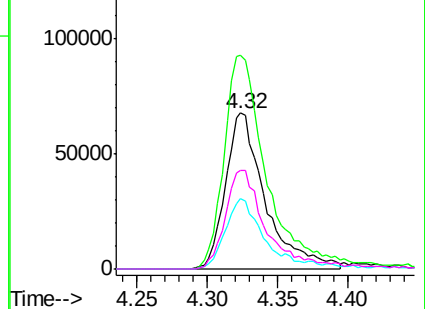


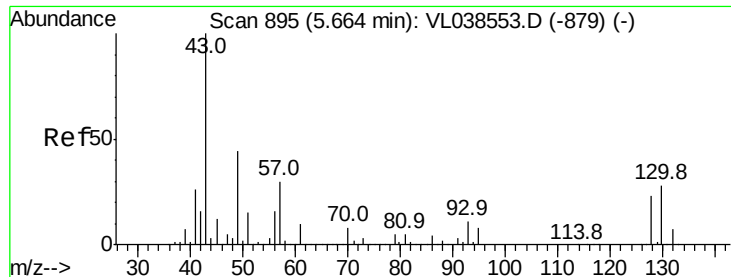
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

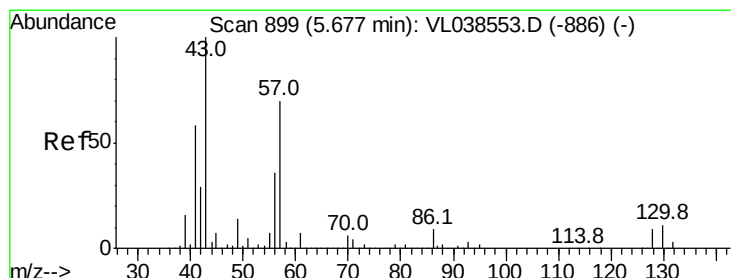
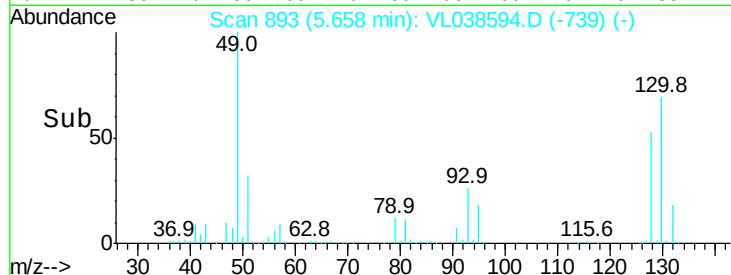
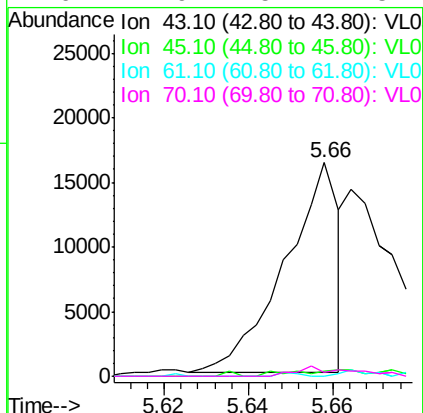
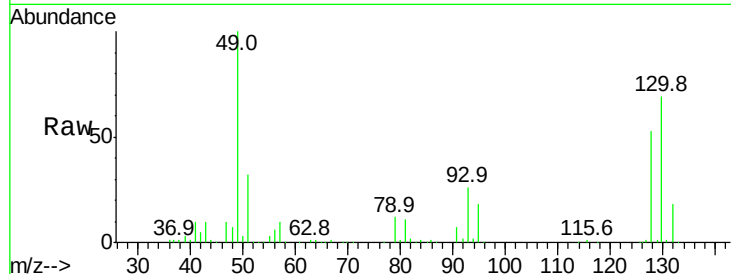
Ion 86.00 (85.70 to 86.70): VL0





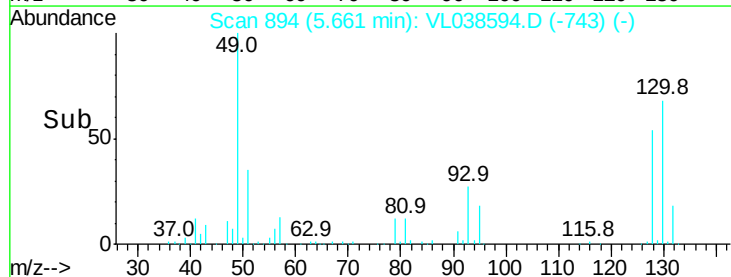
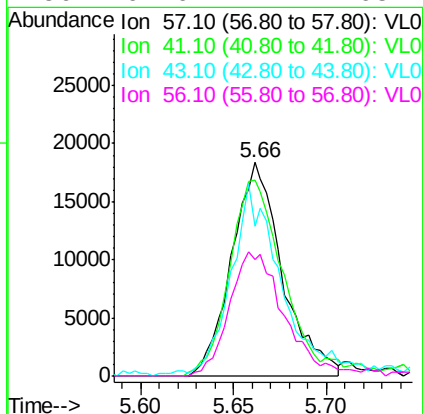
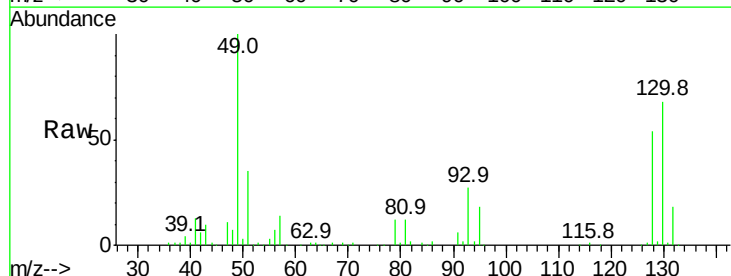
#25
Ethyl Acetate
Concen: 0.08 ppbv
RT: 5.66 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Mar 2022 13:29

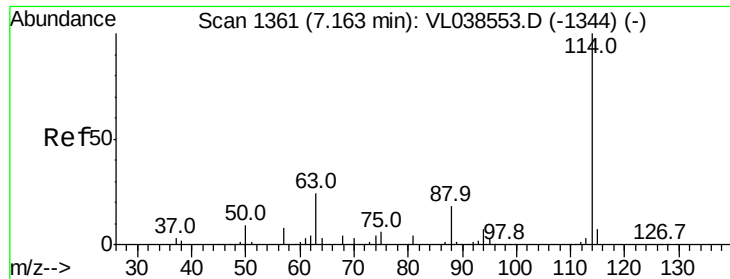
Tgt Ion:	43	Resp:	14503
Ion	Ratio	Lower	Upper
43	100		
45	7.0	8.0	12.0#
61	0.6	8.2	12.4#
70	4.9	5.4	8.2#



#26
Hexane
Concen: 0.40 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL038594.D
Acq: 14 Mar 2022 13:29

Tgt Ion:	57	Resp:	34826
Ion	Ratio	Lower	Upper
57	100		
41	103.6	67.8	101.6#
43	90.9	173.6	260.4#
56	64.6	42.2	63.2#





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 13:29

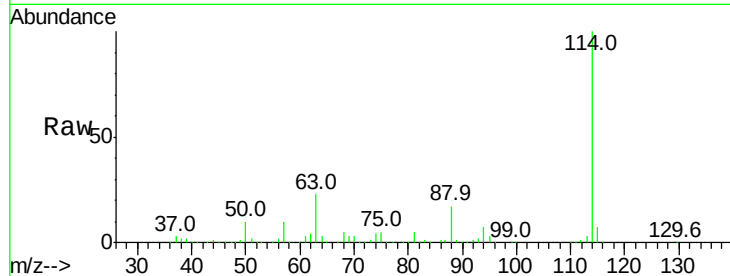
Tgt Ion: 114 Resp: 2079647

Ion Ratio Lower Upper

114 100

63 23.6 19.6 29.4

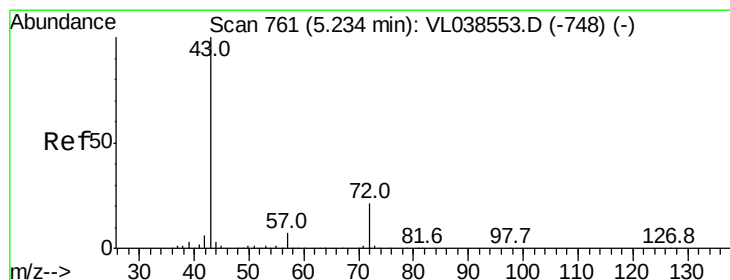
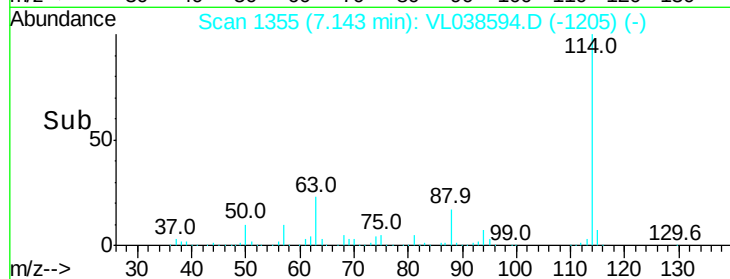
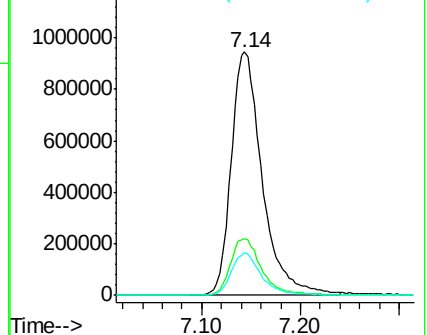
88 17.3 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 1.01 ppbv

RT: 5.23 min Scan# 761

Delta R.T. 0.00 min

Lab File: VL038594.D

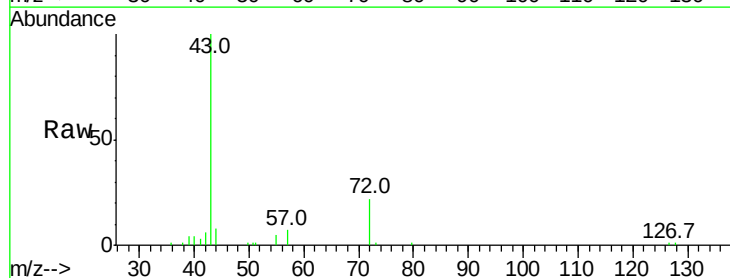
Acq: 14 Mar 2022 13:29

Tgt Ion: 43 Resp: 54364

Ion Ratio Lower Upper

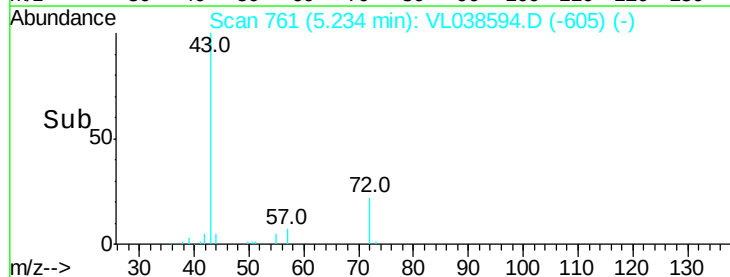
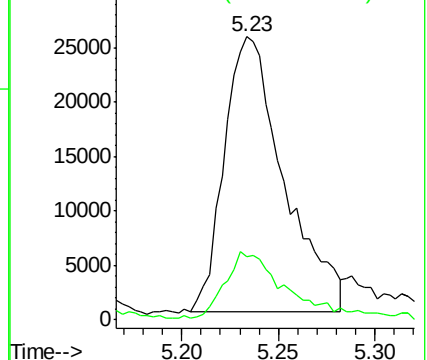
43 100

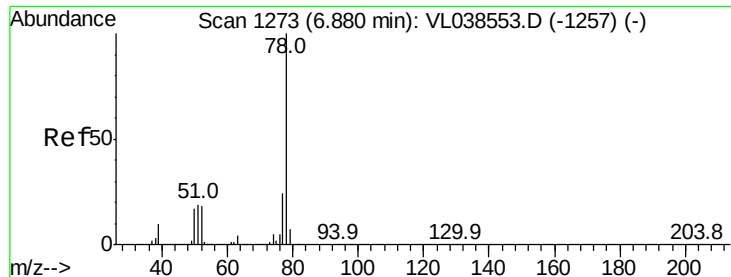
72 26.8 17.8 26.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 0.05 ppbv

RT: 6.86 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Mar 2022 13:29

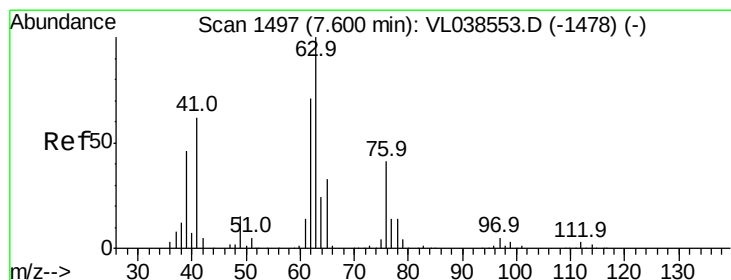
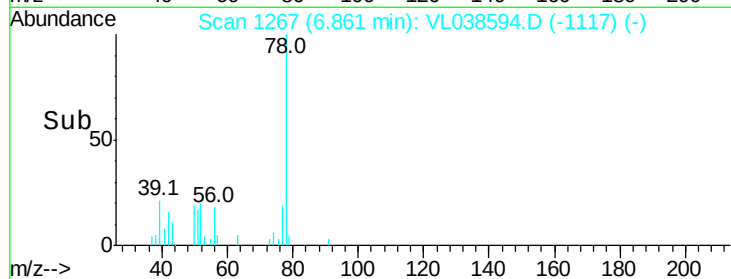
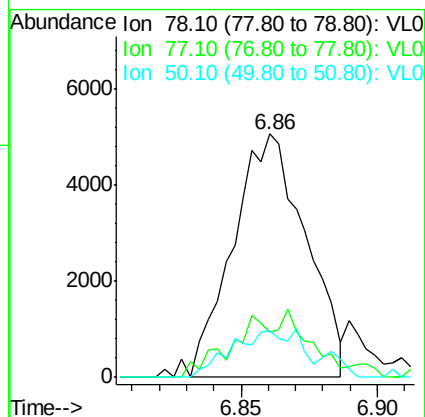
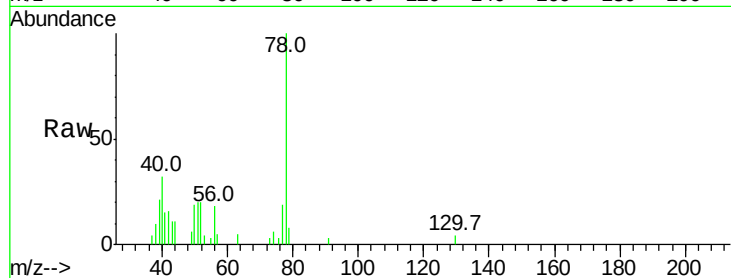
Tgt Ion: 78 Resp: 9378

Ion Ratio Lower Upper

78 100

77 14.5 19.0 28.4#

50 19.2 13.9 20.9



#39

1,2-Dichloropropane

Concen: 6.65 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.46 min

Lab File: VL038594.D

Acq: 14 Mar 2022 13:29

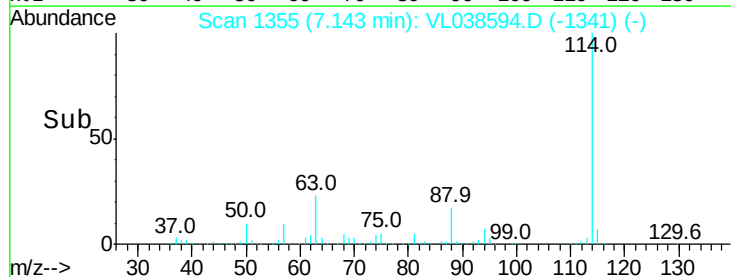
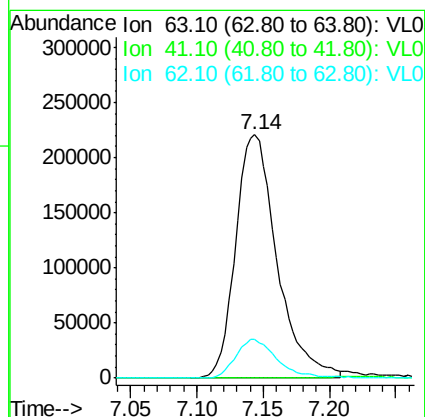
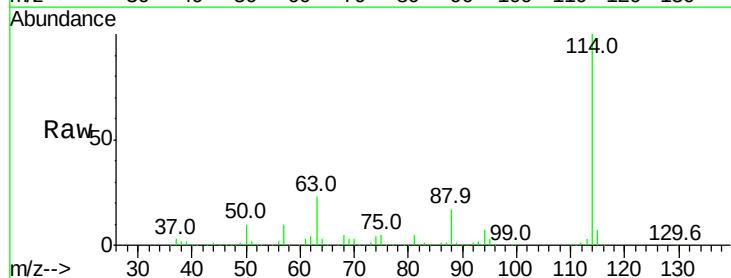
Tgt Ion: 63 Resp: 479609

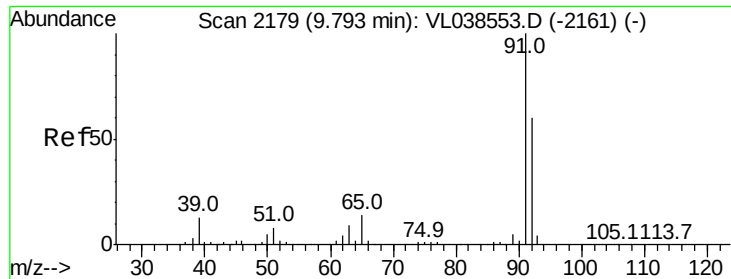
Ion Ratio Lower Upper

63 100

41 0.0 49.8 74.6#

62 16.1 56.7 85.1#





#53

Toluene

Concen: 0.84 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

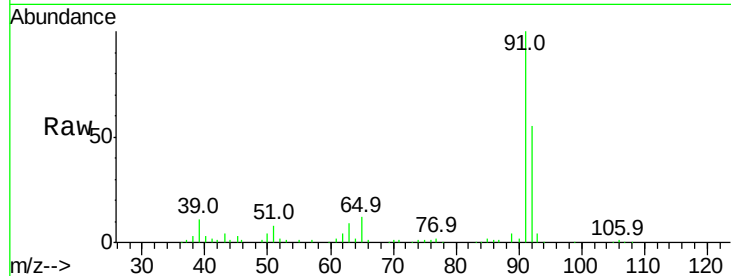
Acq: 14 Mar 2022 13:29

Tgt Ion: 91 Resp: 167848

Ion Ratio Lower Upper

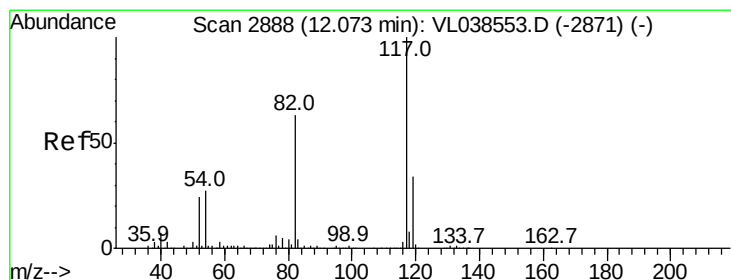
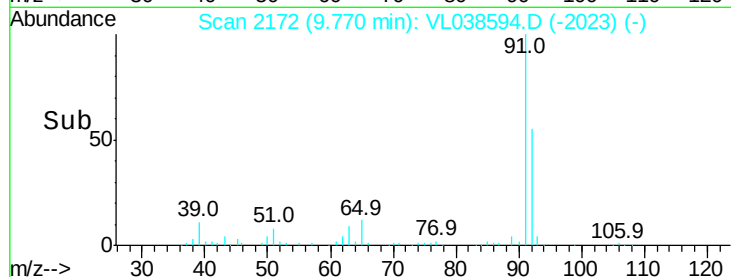
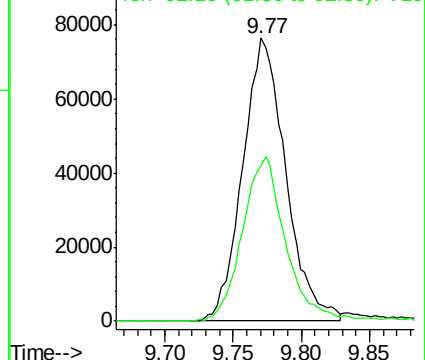
91 100

92 59.2 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.05 min Scan# 2880

Delta R.T. -0.03 min

Lab File: VL038594.D

Acq: 14 Mar 2022 13:29

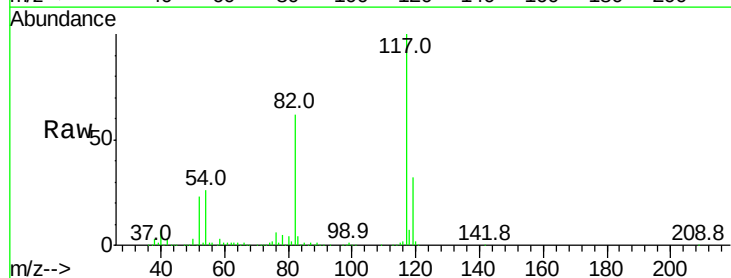
Tgt Ion: 117 Resp: 1876213

Ion Ratio Lower Upper

117 100

82 65.0 52.5 78.7

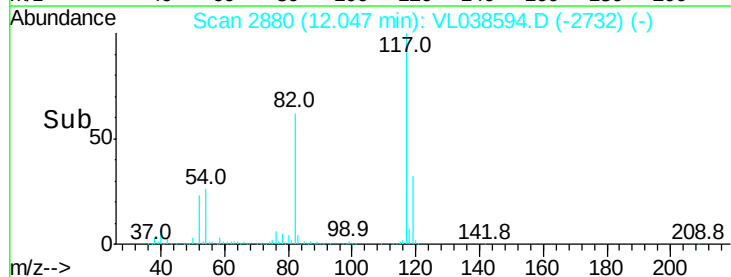
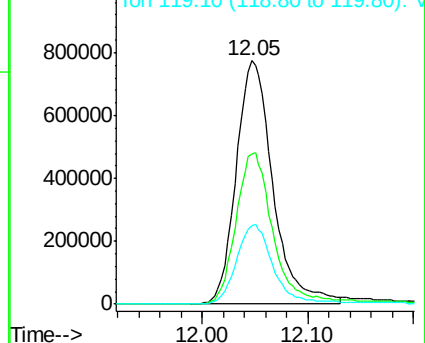
119 34.1 46.4 69.6#

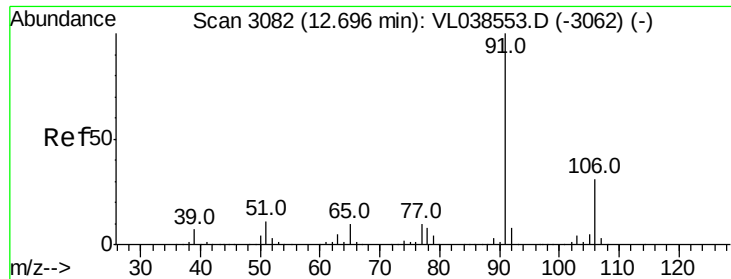


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.13 ppbv

RT: 12.68

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

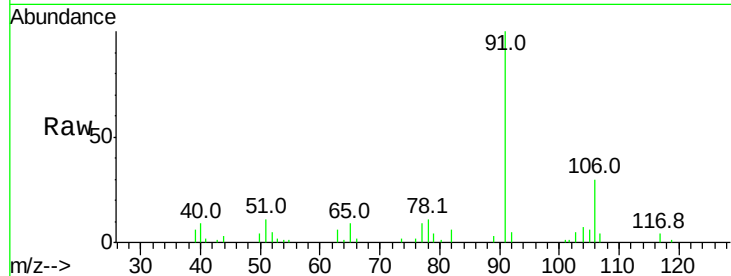
Acq: 14 Mar 2022 13:29

Tgt Ion: 91 Resp: 32402

Ion Ratio Lower Upper

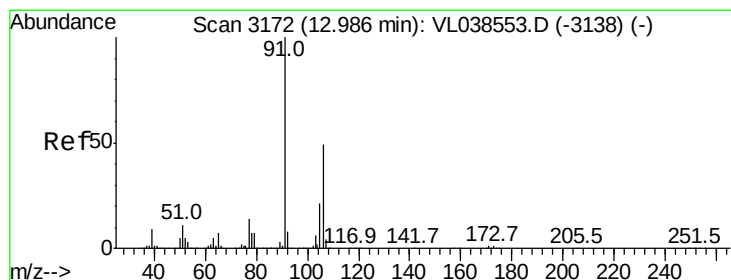
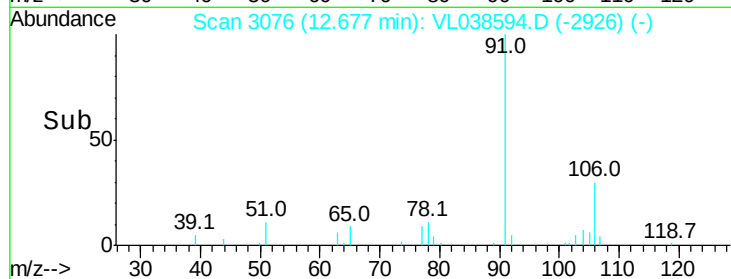
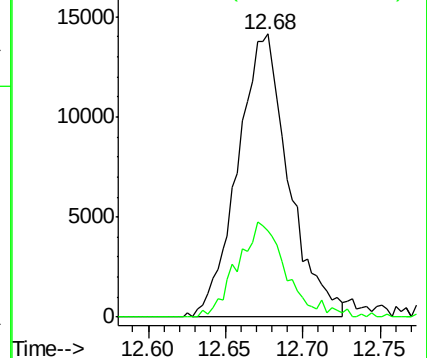
91 100

106 30.3 24.6 37.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.13 ppbv

RT: 12.95 min Scan# 3162

Delta R.T. -0.03 min

Lab File: VL038594.D

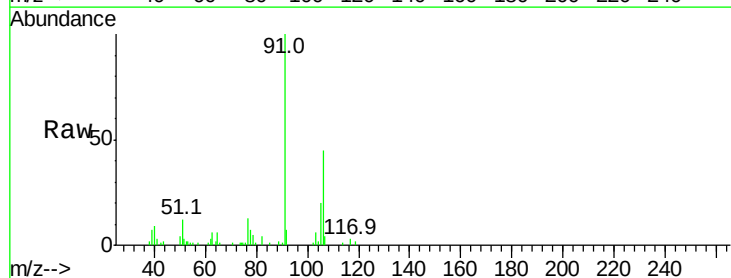
Acq: 14 Mar 2022 13:29

Tgt Ion: 91 Resp: 27554

Ion Ratio Lower Upper

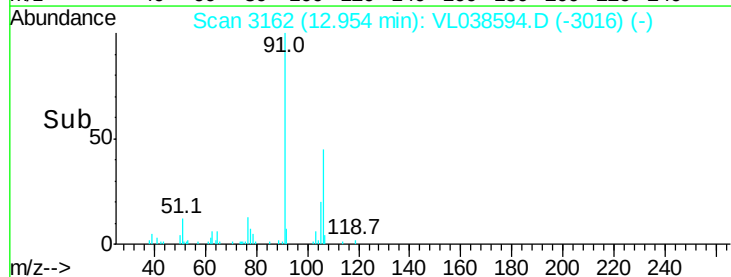
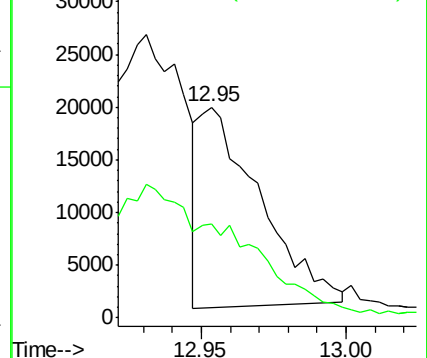
91 100

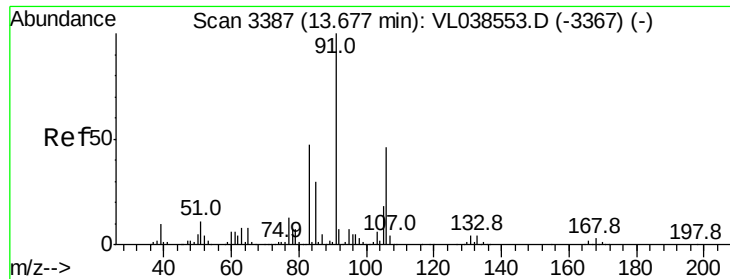
106 0.0 37.1 55.7#



Abundance Ion 91.10 (90.80 to 91.80): VL0

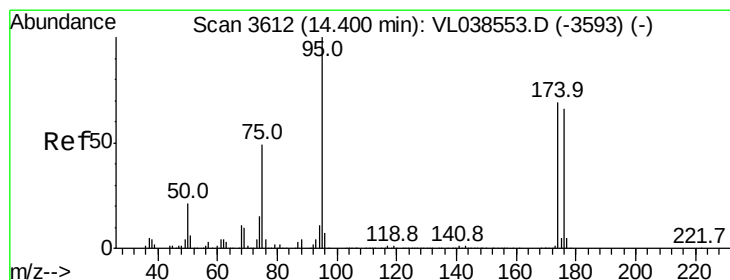
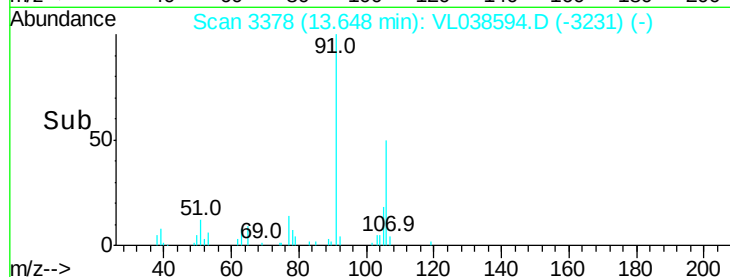
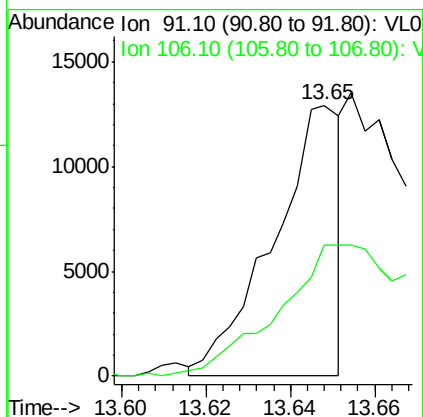
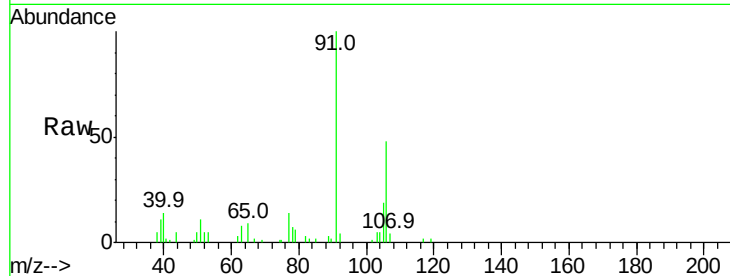
Ion 106.10 (105.80 to 106.80): V





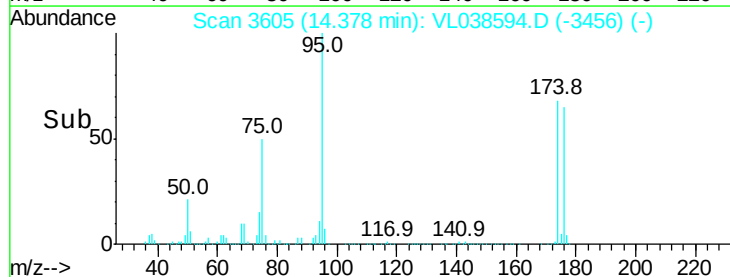
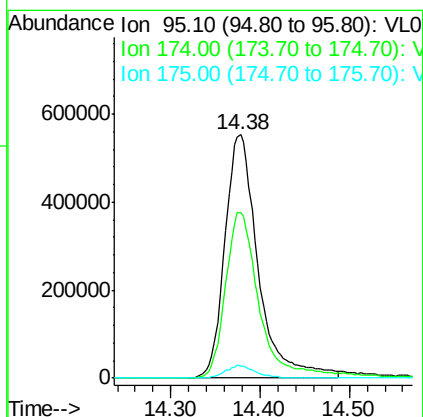
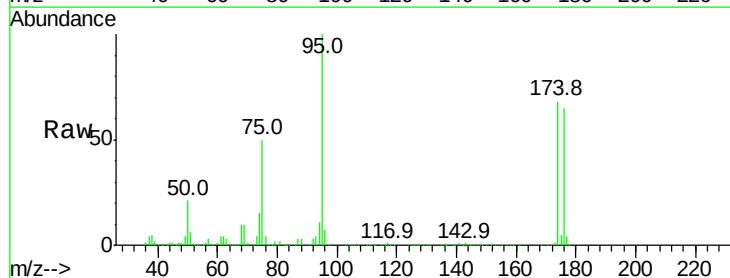
#60
o-Xylene
Concen: 0.07 ppbv
RT: 13.65
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Mar 2022 13:29

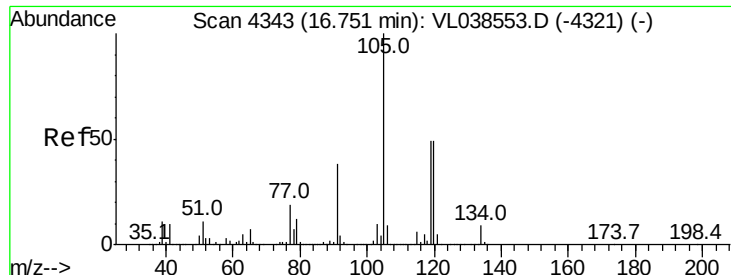
Tgt Ion: 91 Resp: 14292
Ion Ratio Lower Upper
91 100
106 0.0 23.5 70.6#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.02 ppbv
RT: 14.38 min Scan# 3605
Delta R.T. -0.02 min
Lab File: VL038594.D
Acq: 14 Mar 2022 13:29

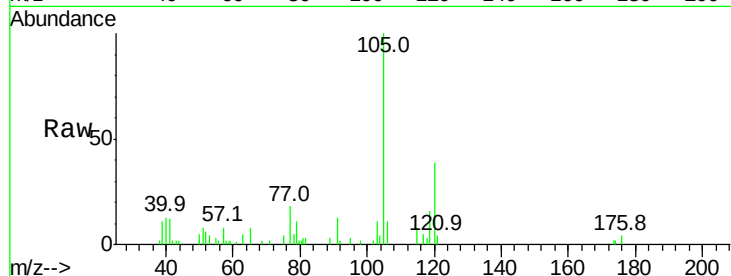
Tgt Ion: 95 Resp: 1429159
Ion Ratio Lower Upper
95 100
174 71.4 56.2 84.4
175 4.9 4.2 6.2





#74
 1,2,4-Trimethylbenzene
 Concen: 0.06 ppbv
 RT: 16.72
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 SS-1DL
 Acq: 14 Mar 2022 15.29

Tgt Ion:	105	Resp:	14322
Ion	Ratio	Lower	Upper
105	100		
120	44.4	38.9	58.3
91	10.9	30.6	46.0#
77	16.7	15.2	22.8



Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0

