

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038978.D
 Acq On : 5 May 2022 18:40
 Operator : SY/AP
 Sample : N2698-04DL 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Quant Time: May 06 07:29:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 07:41:27 2022
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1206774	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3276614	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2814466	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2124388	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	12064	0.064 ppbv	91
3) Chlorodifluoromethane	2.99	51	18577	0.124 ppbv #	85
4) Chloromethane	3.14	50	6853	0.091 ppbv #	84
9) Propene	3.20	41	110272	1.686 ppbv	99
11) Trichlorofluoromethane	3.95	101	4960	0.031 ppbv	96
13) Ethanol	3.60	45	63078	12.352 ppbv #	31
15) Acetone	3.85	43	291453	2.560 ppbv	97
19) Isopropyl Alcohol	3.97	45	10855	0.201 ppbv #	1
20) Methylene Chloride	4.35	84	227277	5.297 ppbv	97
25) Ethyl Acetate	5.68	43	208473	0.765 ppbv #	79
26) Hexane	5.68	57	298605	2.467 ppbv #	37
39) 1,2-Dichloropropane	7.17	63	812150	7.444 ppbv #	27
58) Ethyl Benzene	12.70	91	364068	0.899 ppbv	91
59) m/p-Xylene	12.96	91	783354	2.265 ppbv #	49
60) o-Xylene	13.68	91	404396	1.243 ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA2DL

Acq: 5 May 2022 18:40

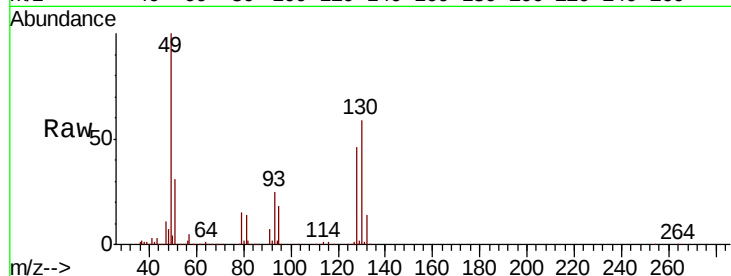
Tot Ion: 49 Resp: 1206774

Ion Ratio Lower Upper

49 100

128 51.0 23.3 69.8

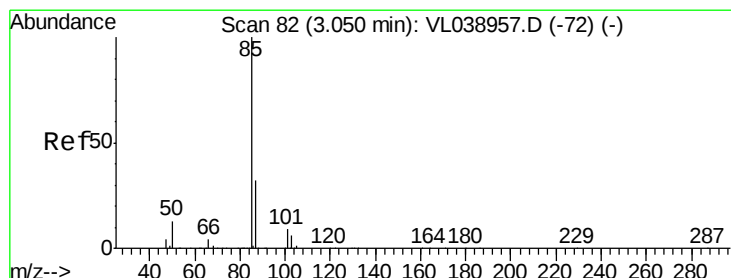
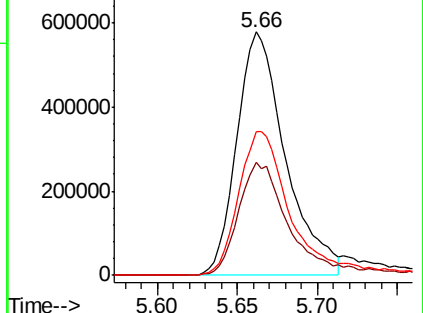
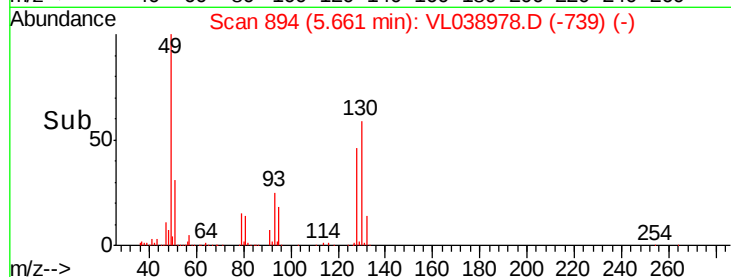
130 65.9 29.8 89.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.064 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038978.D

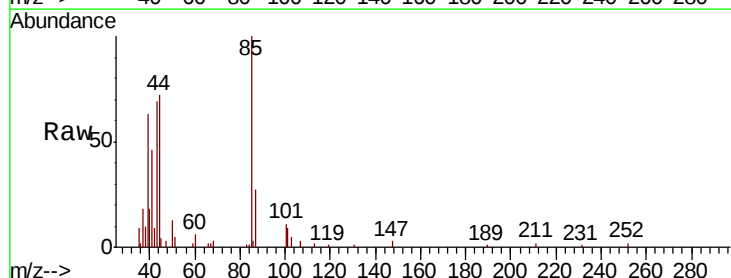
Acq: 5 May 2022 18:40

Tgt Ion: 85 Resp: 12064

Ion Ratio Lower Upper

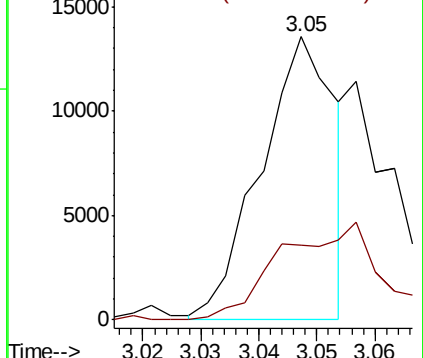
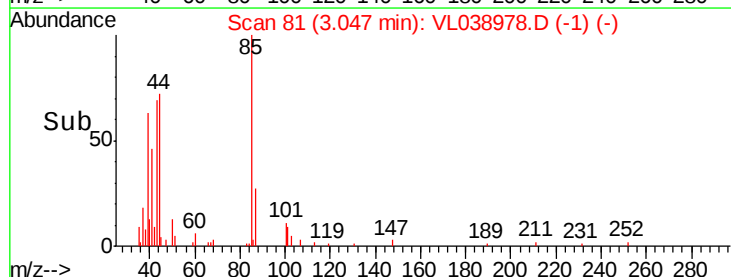
85 100

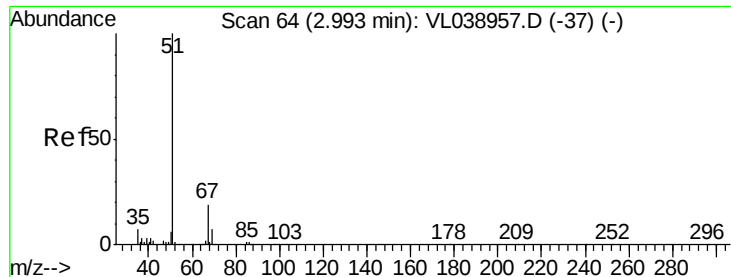
87 26.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.124 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA2DL

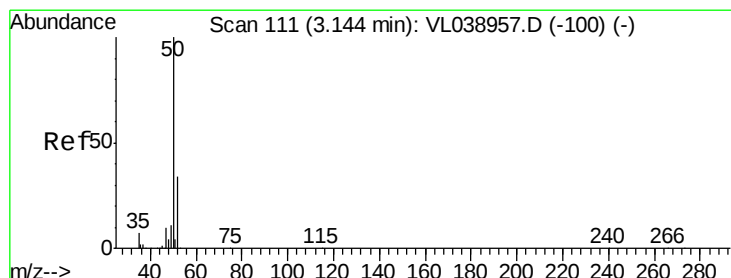
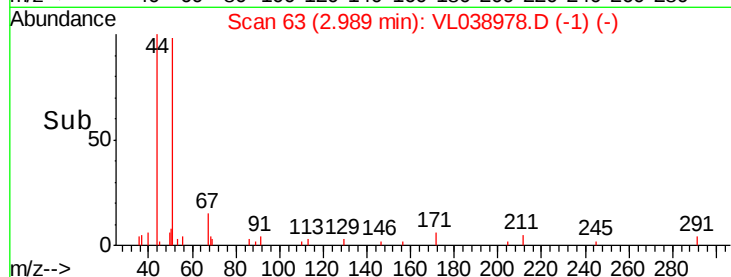
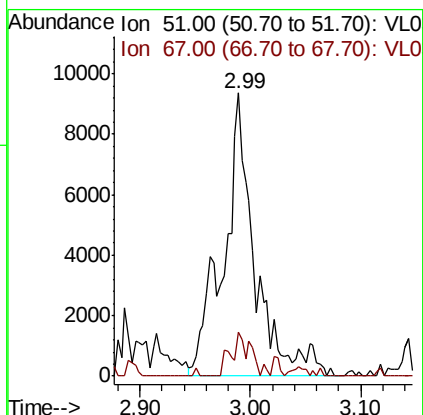
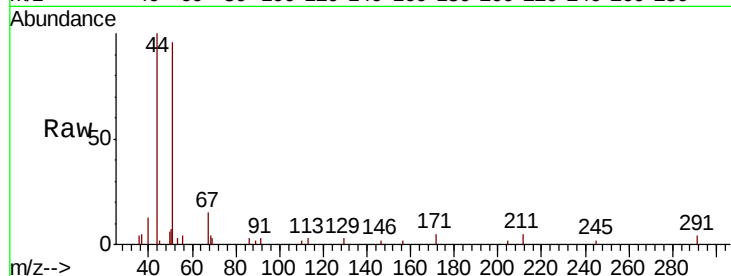
Acq: 5 May 2022 18:40

Tot Ion: 51 Resp: 18577

Ion Ratio Lower Upper

51 100

67 13.0 15.8 23.8#



#4

Chloromethane

Concen: 0.091 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038978.D

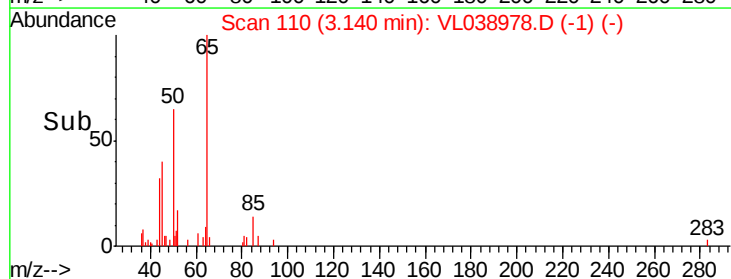
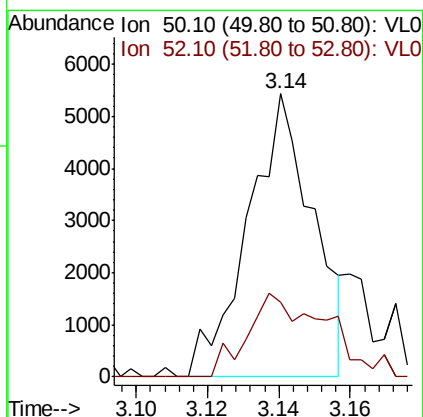
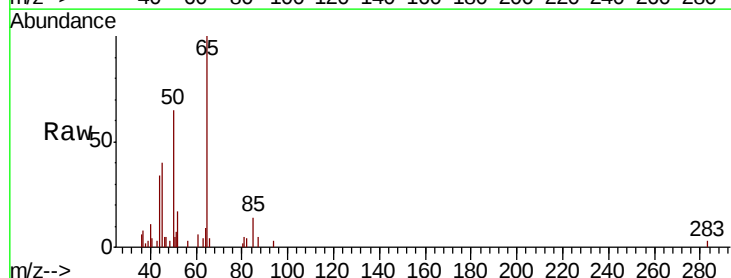
Acq: 5 May 2022 18:40

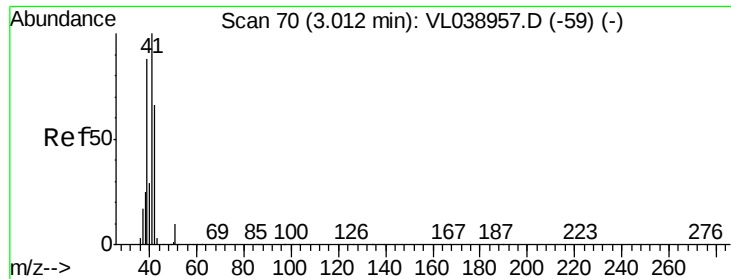
Tgt Ion: 50 Resp: 6853

Ion Ratio Lower Upper

50 100

52 24.7 27.3 40.9#





#9

Propene

Concen: 1.686 ppbv

RT: 3.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

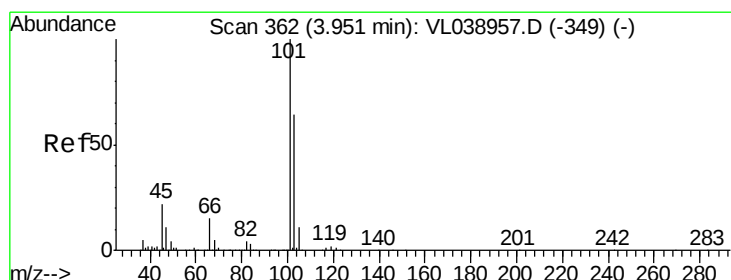
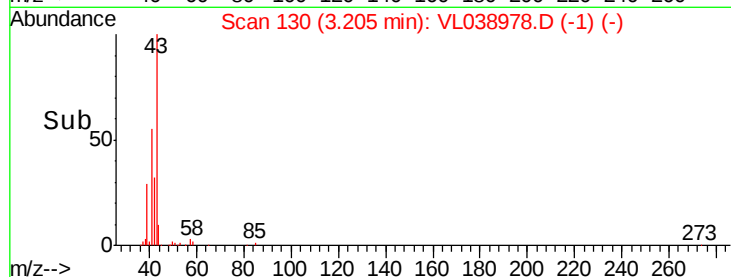
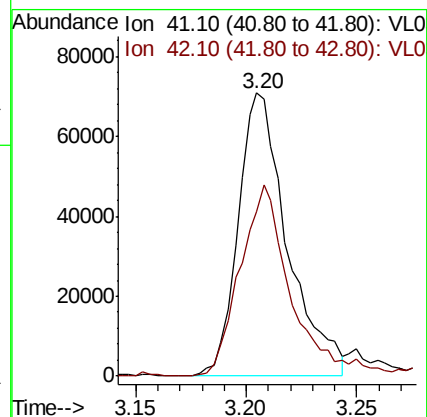
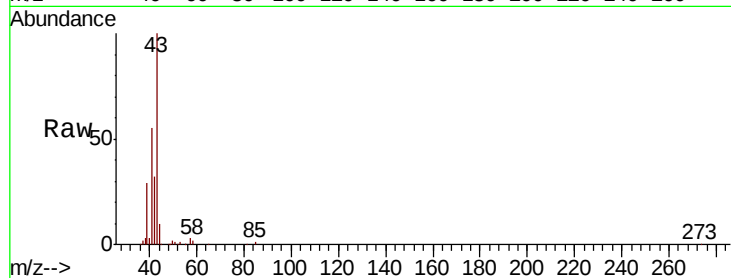
Acq: 5 May 2022 18:40

Tot Ion: 41 Resp: 110272

Ion Ratio Lower Upper

41 100

42 72.3 58.3 87.5



#11

Trichlorofluoromethane

Concen: 0.031 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL038978.D

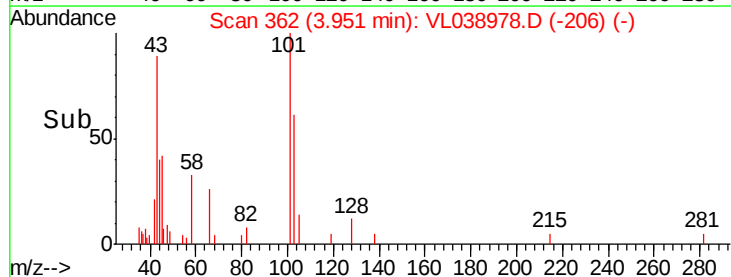
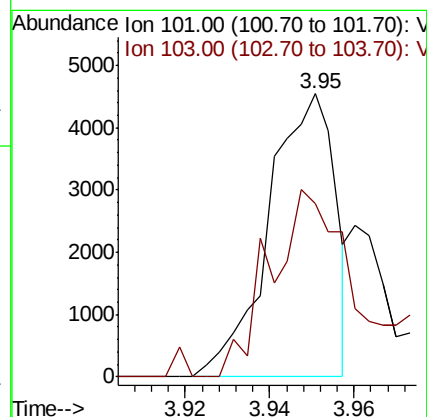
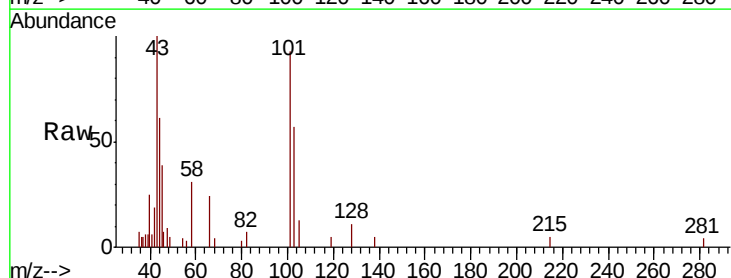
Acq: 5 May 2022 18:40

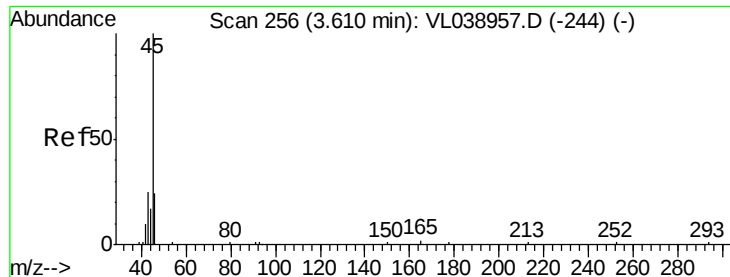
Tgt Ion:101 Resp: 4960

Ion Ratio Lower Upper

101 100

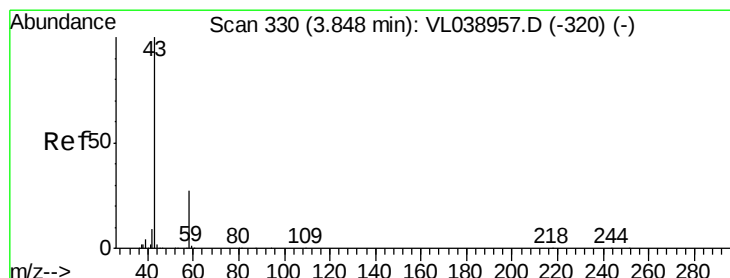
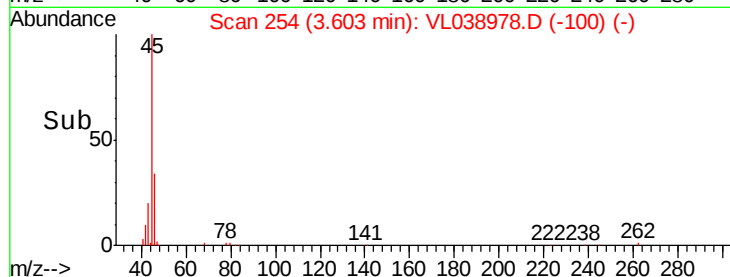
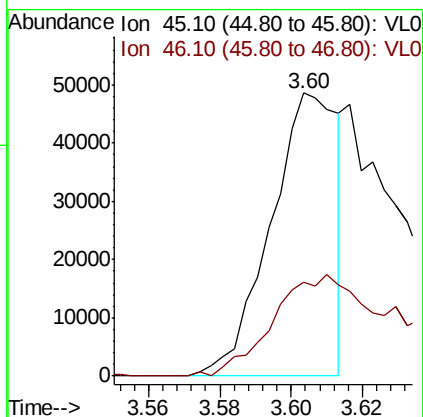
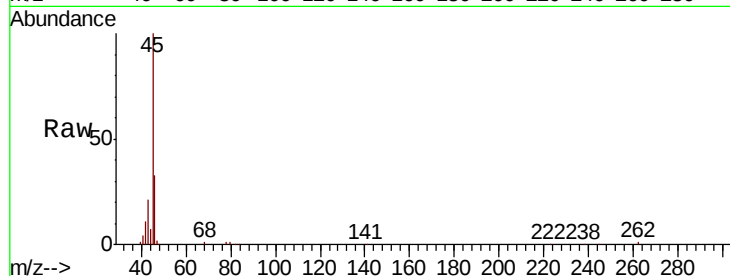
103 61.5 51.5 77.3





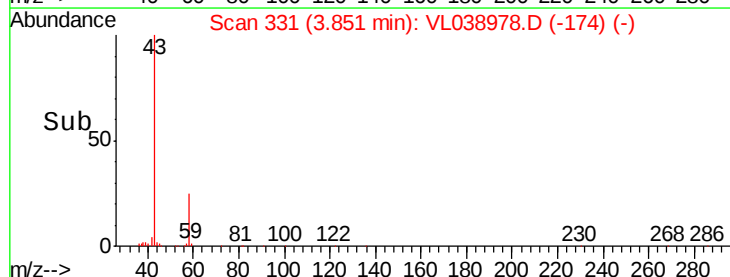
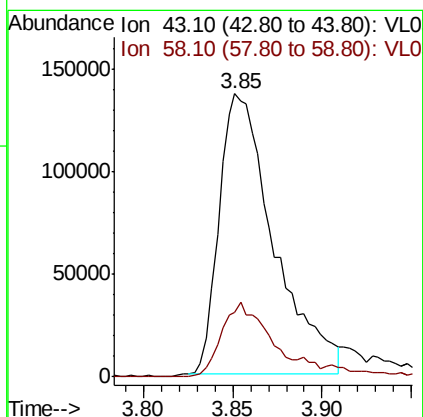
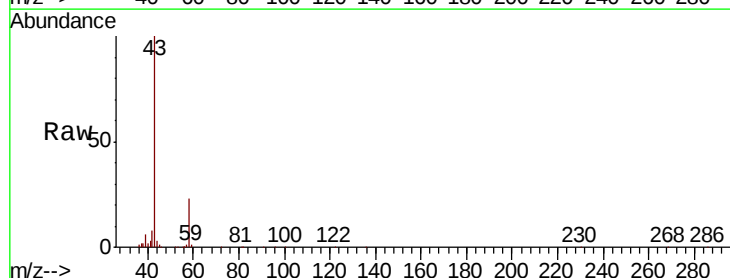
#13
Ethanol
Concen: 12.352 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 18:40

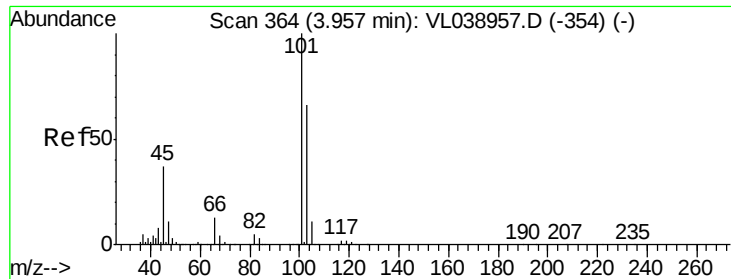
Tot Ion: 45 Resp: 63078
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#



#15
Acetone
Concen: 2.560 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL038978.D
Acq: 5 May 2022 18:40

Tgt Ion: 43 Resp: 291453
Ion Ratio Lower Upper
43 100
58 28.4 21.3 31.9





#19

Isopropyl Alcohol

Concen: 0.201 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

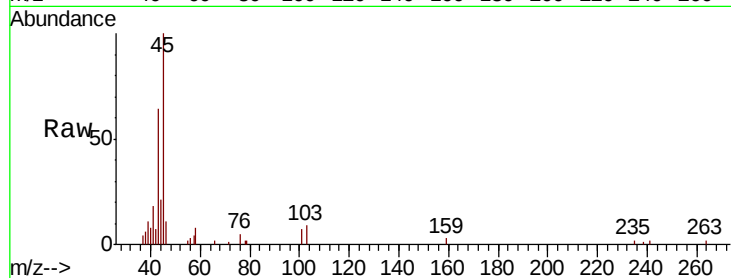
Acq: 5 May 2022 18:40

Tot Ion: 45 Resp: 10855

Ion Ratio Lower Upper

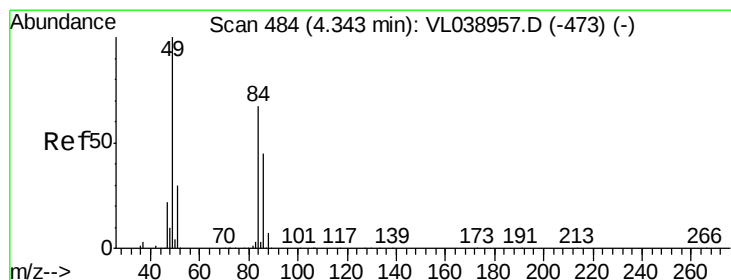
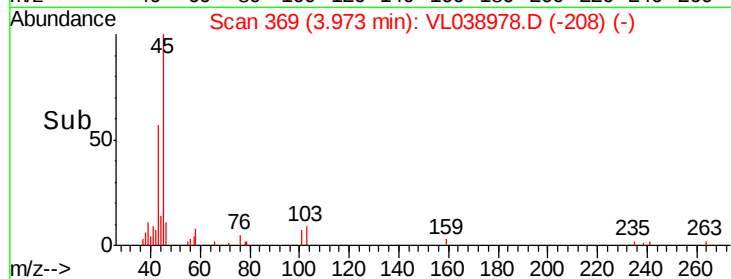
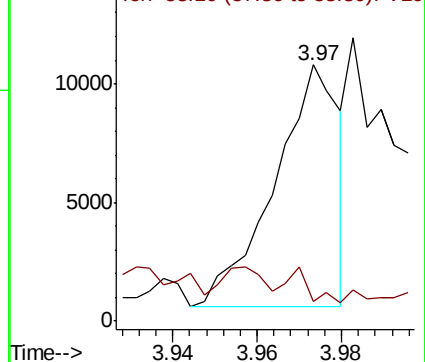
45 100

58 53.4 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 5.297 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038978.D

Acq: 5 May 2022 18:40

Tgt Ion: 84 Resp: 227277

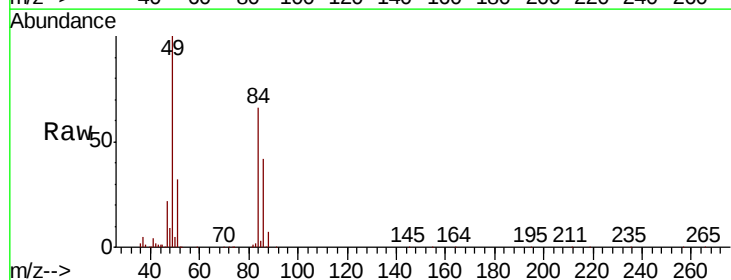
Ion Ratio Lower Upper

84 100

49 150.8 119.9 179.9

51 48.6 35.7 53.5

86 62.9 53.8 80.6

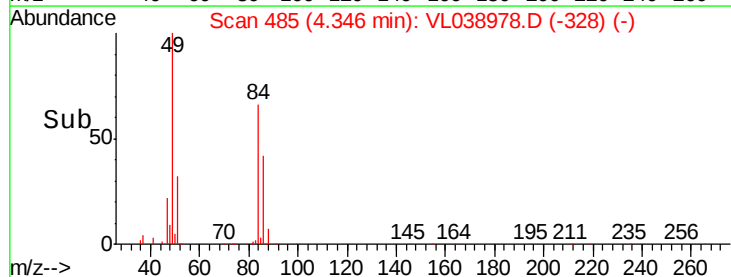
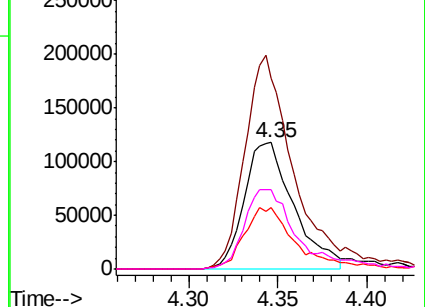


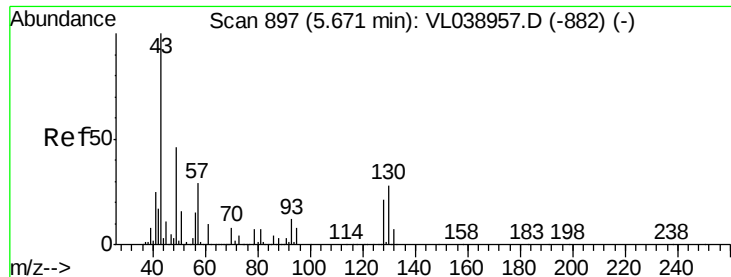
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

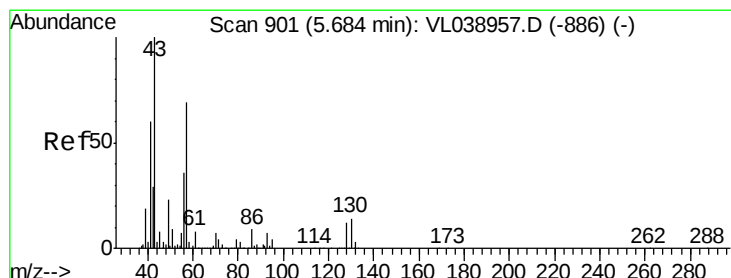
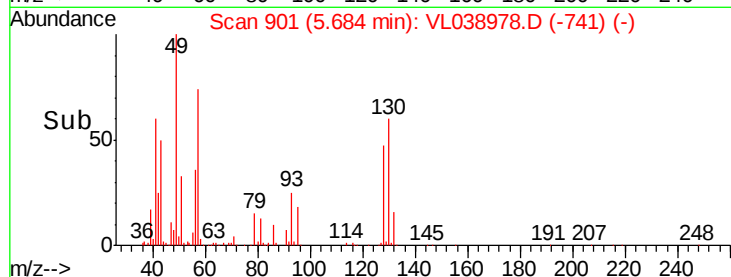
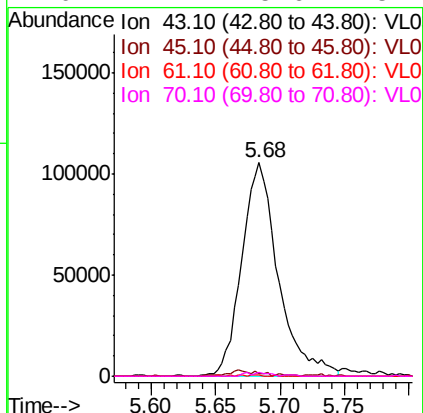
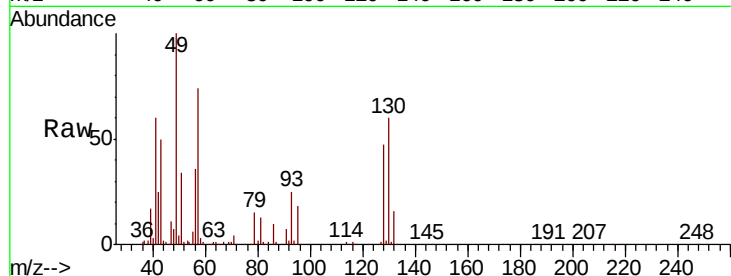
Ion 86.00 (85.70 to 86.70): VL0





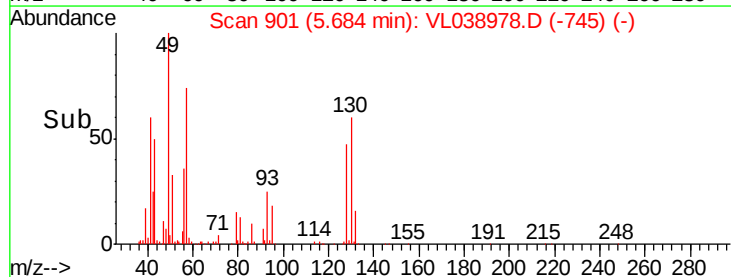
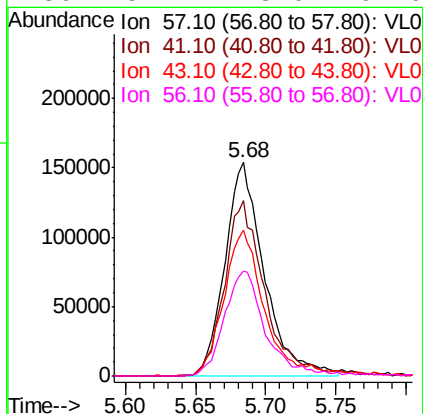
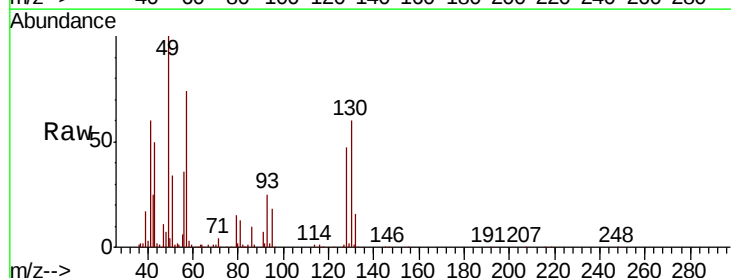
#25
Ethyl Acetate
Concen: 0.765 ppbv
RT: 5.68 min
Delta R.T.: 0.00 min
Lab File: VL038978.D
Acq: 5 May 2022 18:40

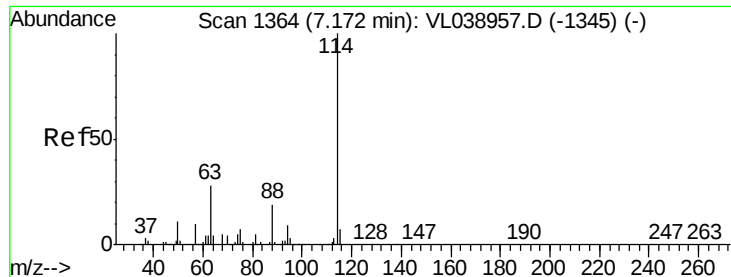
Tot Ion	43	Resp	208473
Ion	Ratio	Lower	Upper
43	100		
45	2.7	8.1	12.1#
61	0.6	7.8	11.6#
70	1.2	5.6	8.4#



#26
Hexane
Concen: 2.467 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: 0.00 min
Lab File: VL038978.D
Acq: 5 May 2022 18:40

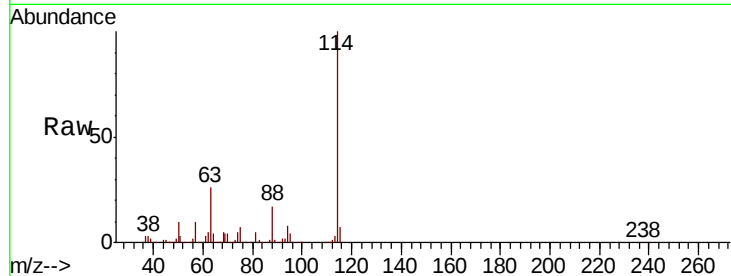
Tgt Ion	57	Resp	298605
Ion	Ratio	Lower	Upper
57	100		
41	85.4	75.2	112.8
43	72.4	190.8	286.2#
56	52.1	43.0	64.6



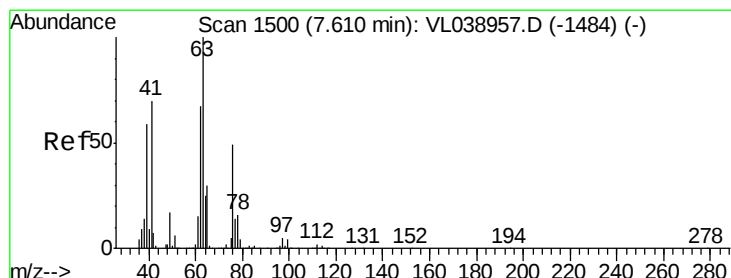
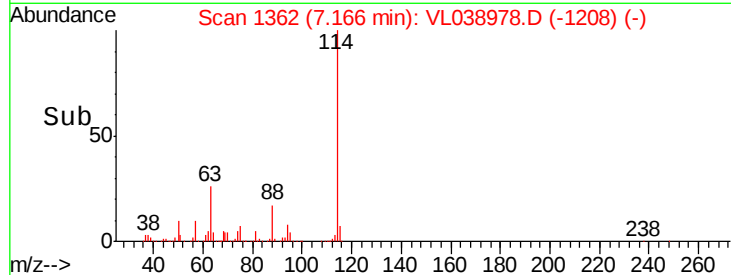
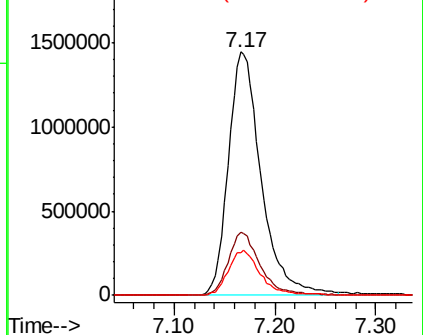


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 18:40

Tot Ion:	114	Resp:	3276614
Ion	Ratio	Lower	Upper
114	100		
63	25.8	22.6	33.8
88	18.3	15.4	23.0

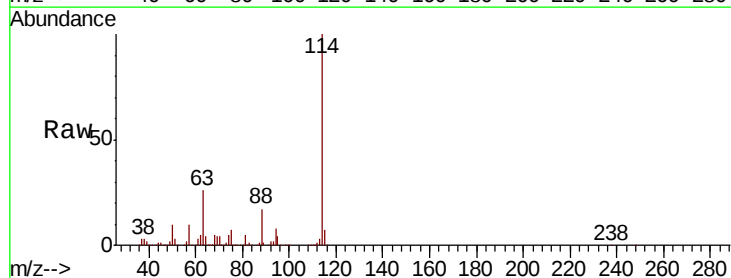


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

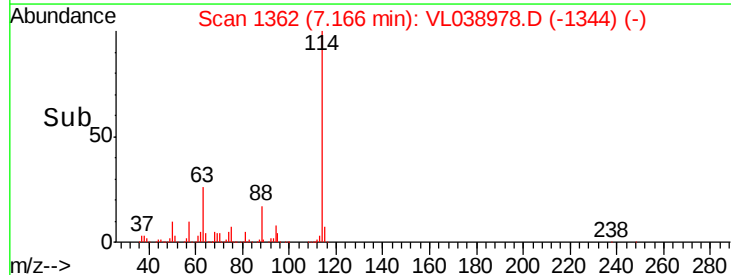
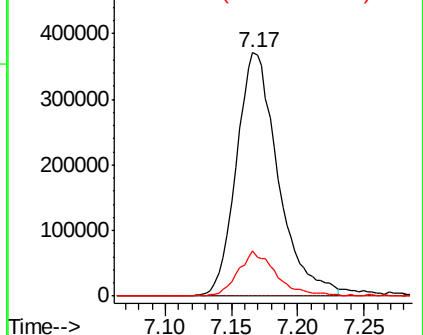


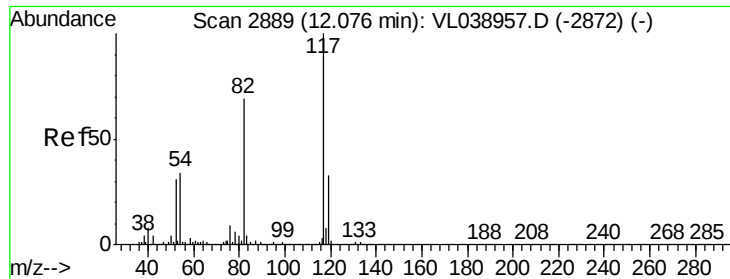
#39
 1,2-Dichloropropane
 Concen: 7.444 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T.: -0.44 min
 Lab File: VL038978.D
 Acq: 5 May 2022 18:40

Tgt Ion:	63	Resp:	812150
Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	18.5	53.8	80.6#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

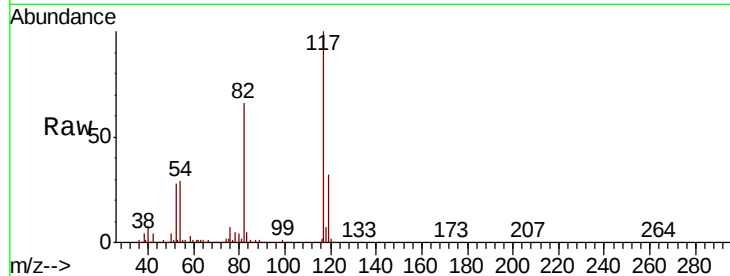




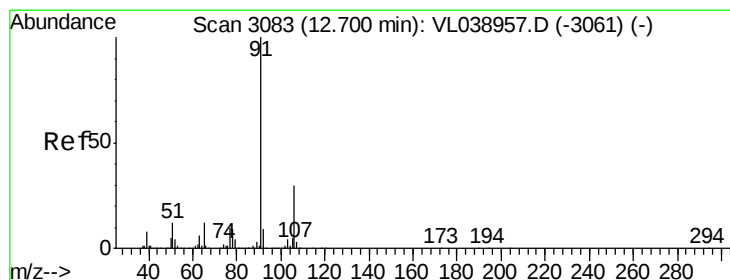
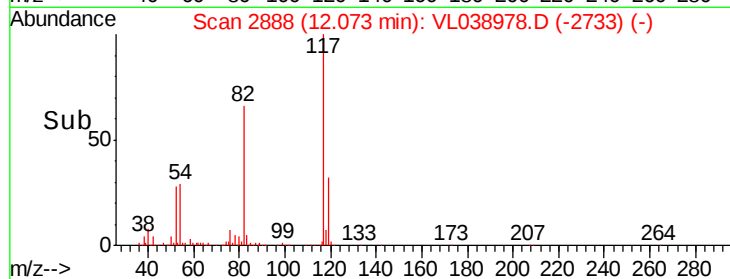
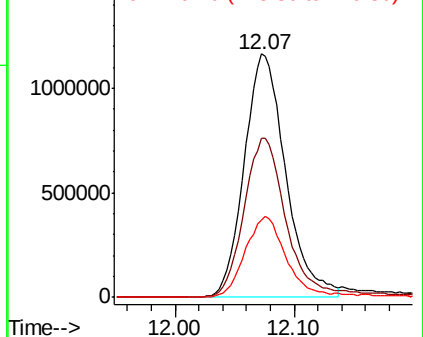
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 18:40

Tot Ion:117 Resp: 2814466

Ion	Ratio	Lower	Upper
117	100		
82	69.7	57.0	85.6
119	34.3	27.2	40.8



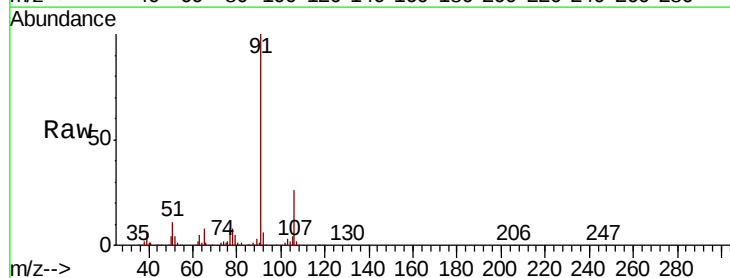
Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



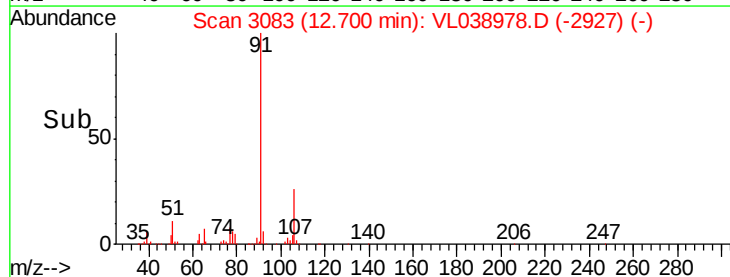
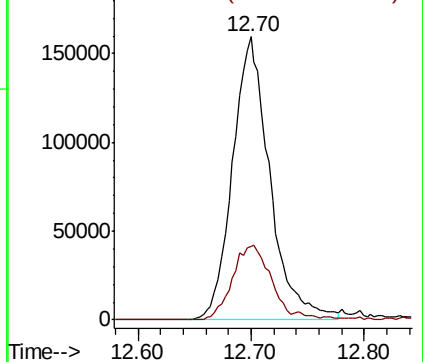
#58
Ethyl Benzene
Concen: 0.899 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. 0.00 min
Lab File: VL038978.D
Acq: 5 May 2022 18:40

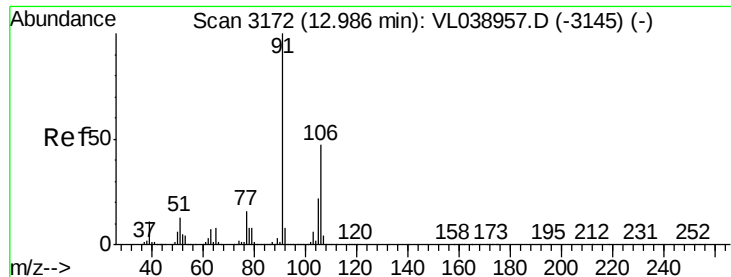
Tgt Ion: 91 Resp: 364068

Ion	Ratio	Lower	Upper
91	100		
106	25.6	24.2	36.4



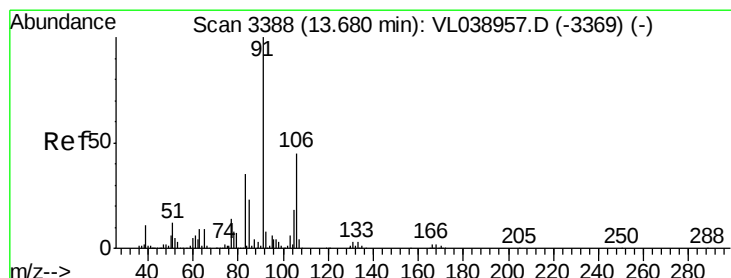
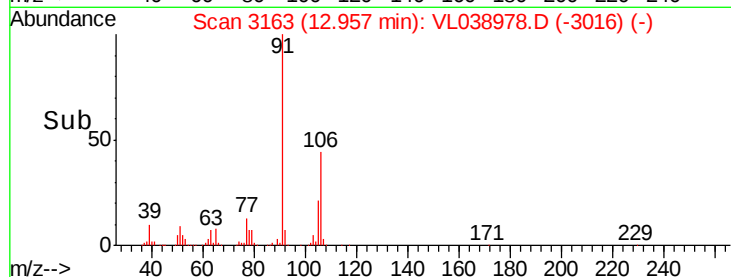
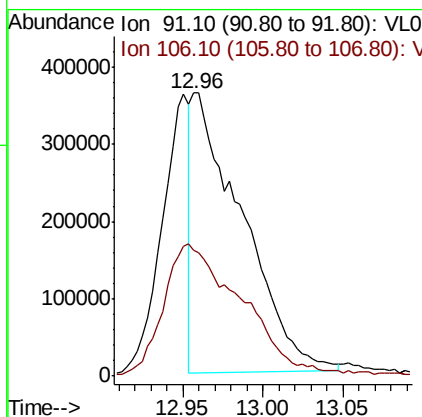
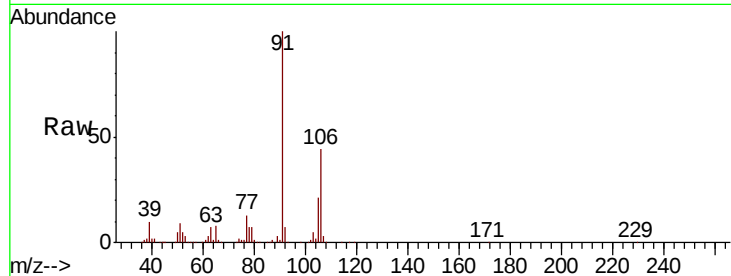
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





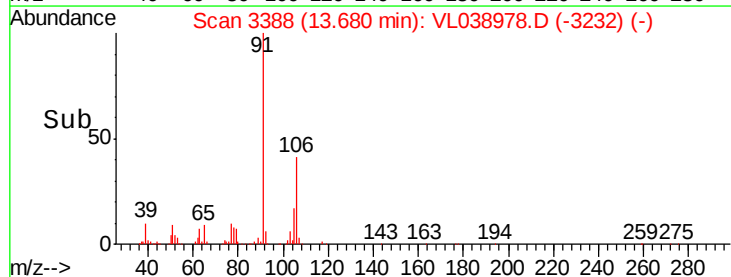
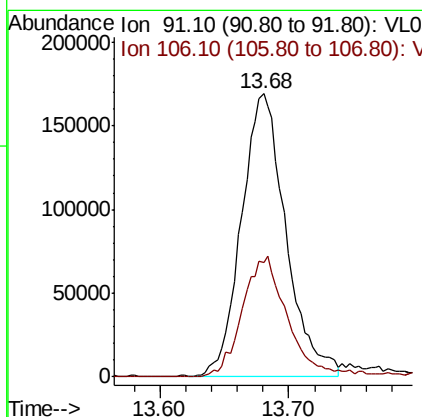
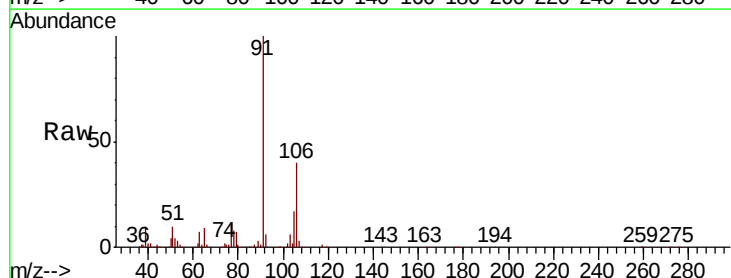
#59
m/p-Xylene
Concen: 2.265 ppbv
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 May 2022 18:40

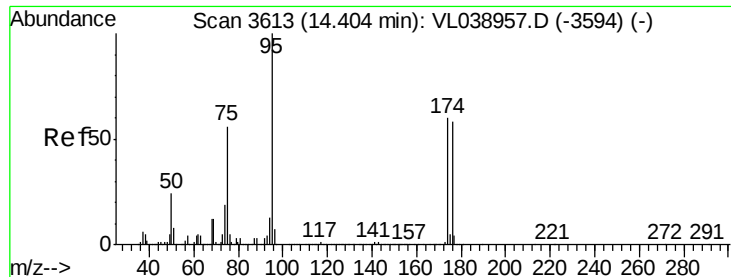
Tot Ion: 91 Resp: 783354
Ion Ratio Lower Upper
91 100
106 76.2 34.6 52.0#



#60
o-Xylene
Concen: 1.243 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. 0.00 min
Lab File: VL038978.D
Acq: 5 May 2022 18:40

Tgt Ion: 91 Resp: 404396
Ion Ratio Lower Upper
91 100
106 44.0 22.2 66.6





#68

1-Bromo-4-Fluorobenzene

Concen: 9.531 ppbv

RT: 14.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 May 2022 18:40

Tot Ion: 95 Resp: 2124388

Ion Ratio Lower Upper

95 100

174 67.6 50.8 76.2

175 4.8 3.8 5.6

