

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038579.D
 Acq On : 9 Mar 2022 17:06
 Operator : SY/AP
 Sample : N1702-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Mar 10 00:33:29 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	5.67	49	901213	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2268055	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	1962251	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1401132	9.39	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.90%

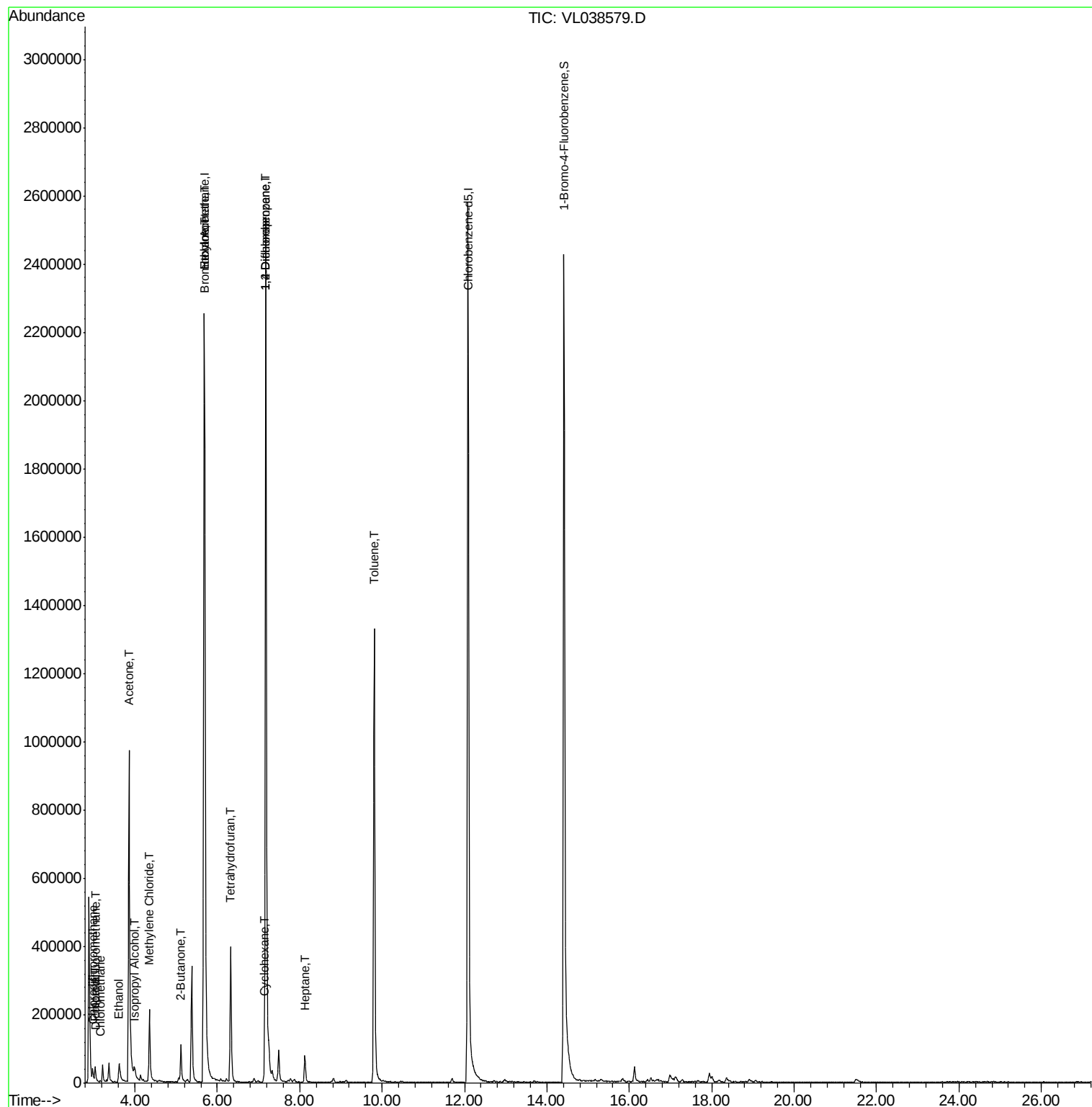
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.06	85	4625	0.03	ppbv	97
3) Chlorodifluoromethane	2.98	51	32726	0.21	ppbv #	64
4) Chloromethane	3.15	50	2038	0.03	ppbv #	81
9) Propene	3.03	41	13691	0.24	ppbv	93
10) Heptane	8.13	43	13946	0.10	ppbv #	28
13) Ethanol	3.61	45	31327	4.86	ppbv #	1
15) Acetone	3.85	43	1292350	20.33	ppbv	97
19) Isopropyl Alcohol	3.99	45	40530	0.95	ppbv #	92
20) Methylene Chloride	4.35	84	90624	2.37	ppbv	99
25) Ethyl Acetate	5.69	43	519583	2.43	ppbv #	76
26) Hexane	5.69	57	751645	7.48	ppbv #	43
30) Cyclohexane	7.14	84	4717	0.05	ppbv #	1
34) 2-Butanone	5.11	43	57932	0.99	ppbv #	58
39) 1,2-Dichloropropane	7.18	63	536434	6.82	ppbv #	27
41) Tetrahydrofuran	6.33	42	50129	1.04	ppbv #	37
53) Toluene	9.81	91	1181514	5.41	ppbv	100

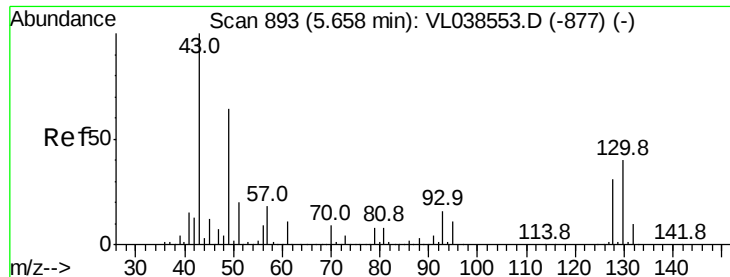
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :
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QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 17:00

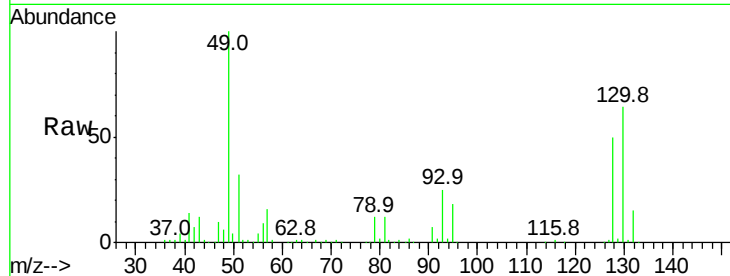
Tgt Ion: 49 Resp: 901213

Ion Ratio Lower Upper

49 100

128 51.8 26.4 79.2

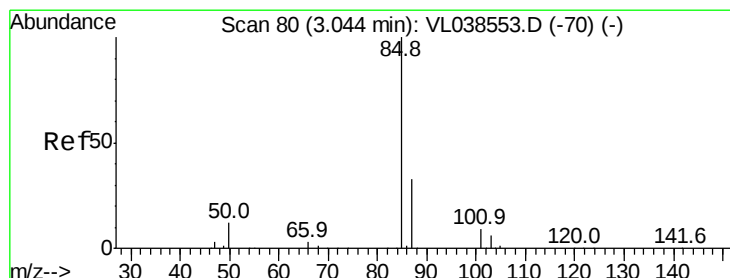
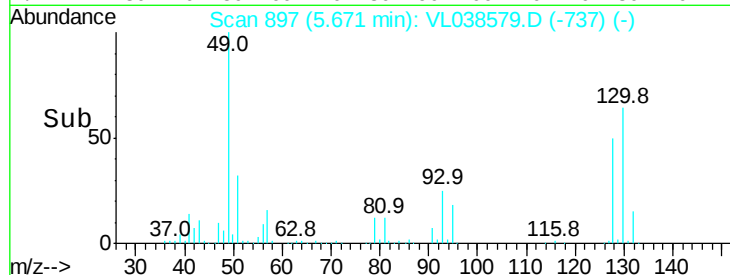
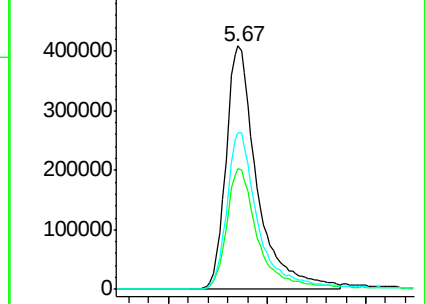
130 65.8 33.0 98.9



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: 0.03 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL038579.D

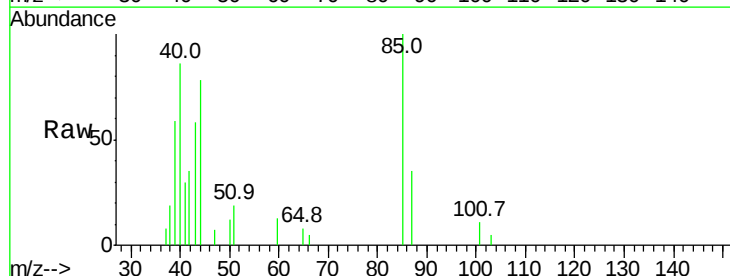
Acq: 9 Mar 2022 17:06

Tgt Ion: 85 Resp: 4625

Ion Ratio Lower Upper

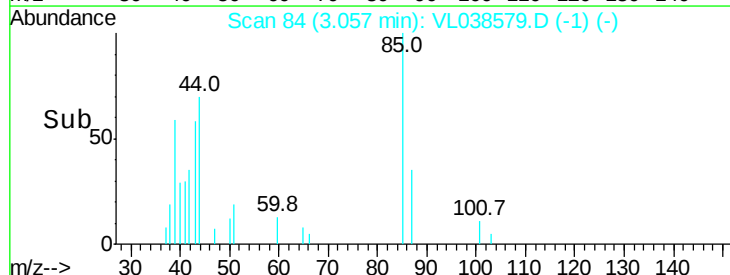
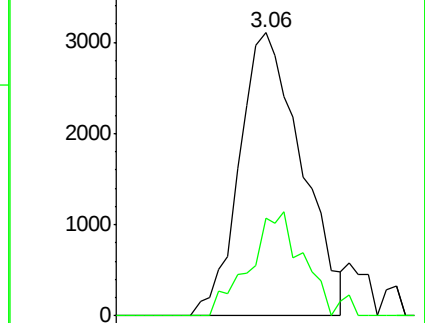
85 100

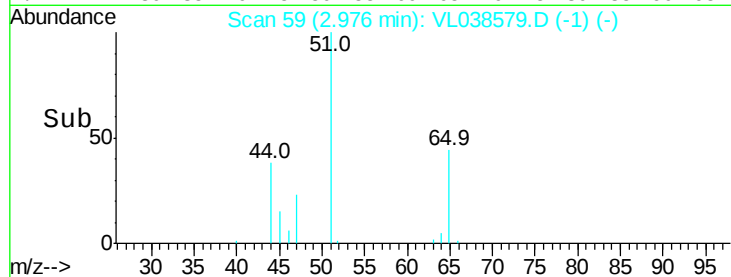
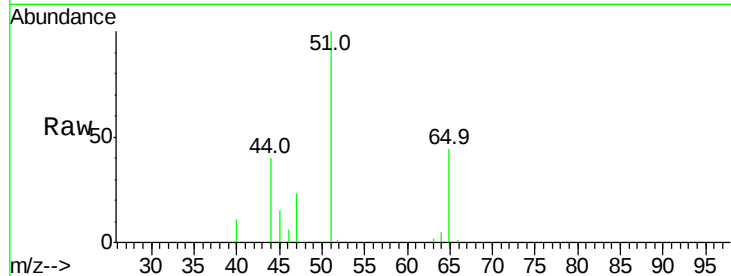
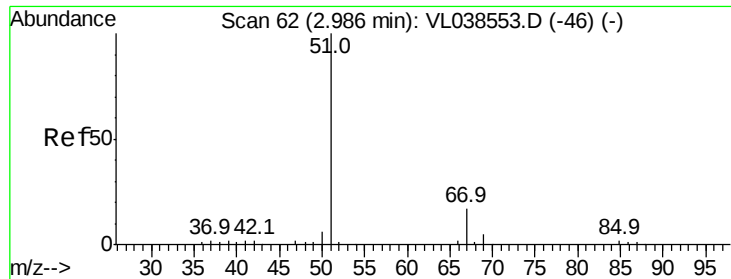
87 34.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

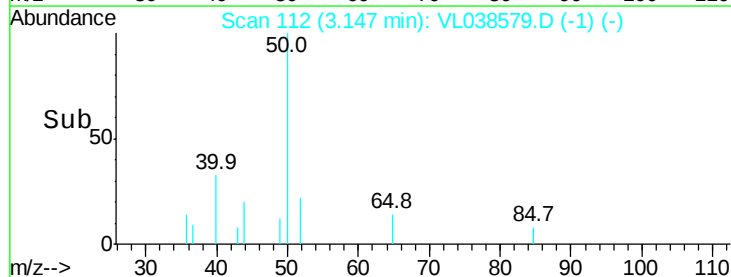
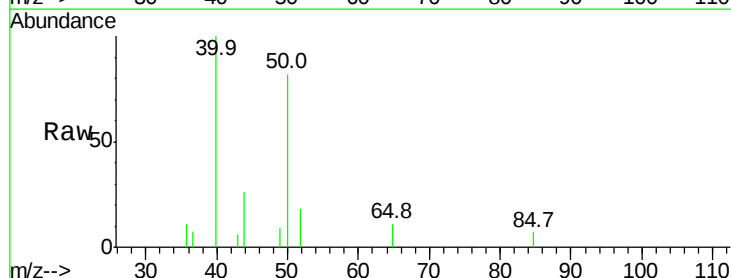
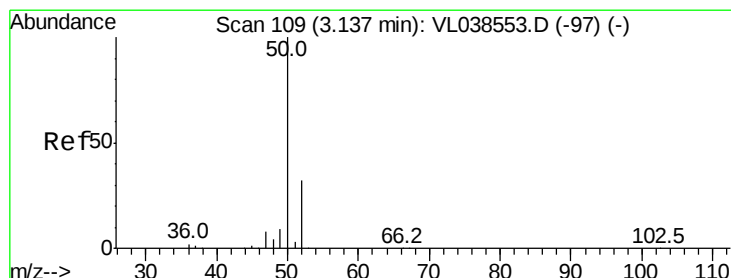
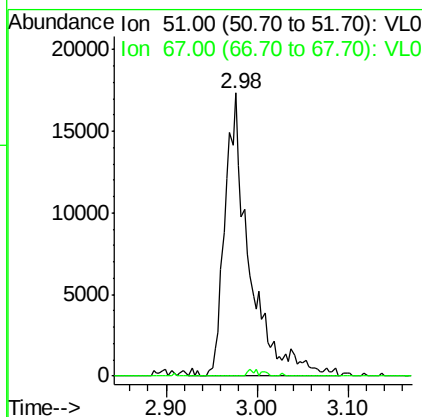
Ion 87.00 (86.70 to 87.70): VL0





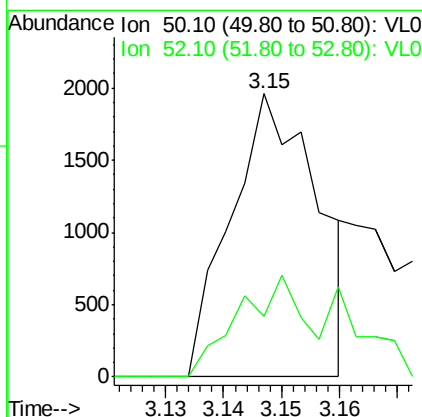
#3
Chlorodifluoromethane
Concen: 0.21 ppbv
RT: 2.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Mar 2022 17:00

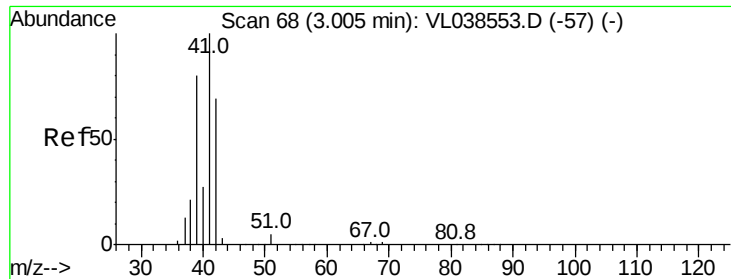
Tgt Ion: 51 Resp: 32726
Ion Ratio Lower Upper
51 100
67 1.3 13.6 20.4#



#4
Chloromethane
Concen: 0.03 ppbv
RT: 3.15 min Scan# 112
Delta R.T.: 0.01 min
Lab File: VL038579.D
Acq: 9 Mar 2022 17:06

Tgt Ion: 50 Resp: 2038
Ion Ratio Lower Upper
50 100
52 21.6 25.6 38.4#





#9

Propene

Concen: 0.24 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

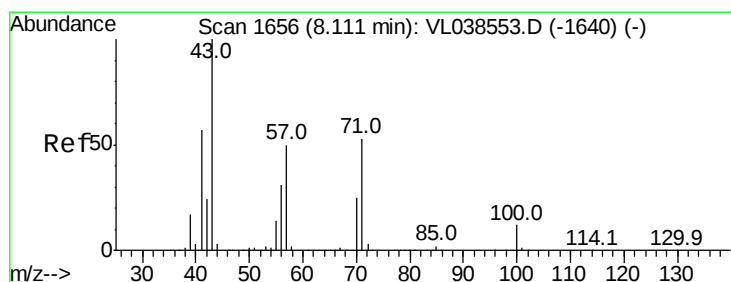
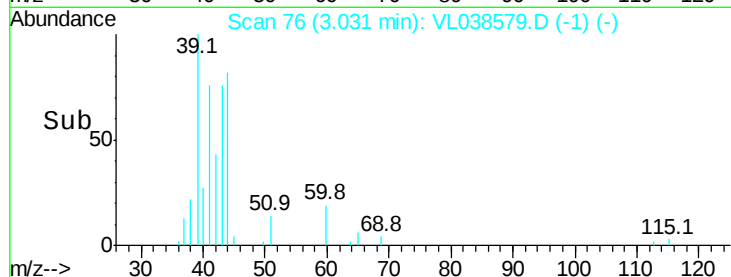
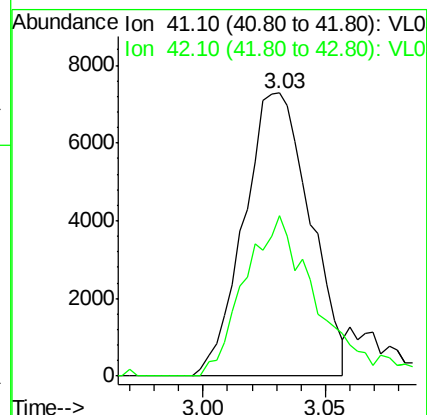
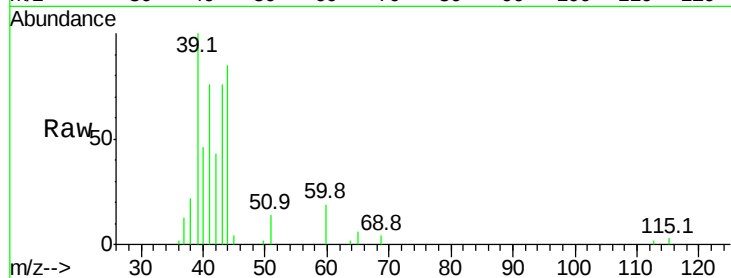
Acq: 9 Mar 2022 17:00

Tgt Ion: 41 Resp: 13691

Ion Ratio Lower Upper

41 100

42 63.6 55.7 83.5



#10

Heptane

Concen: 0.10 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.02 min

Lab File: VL038579.D

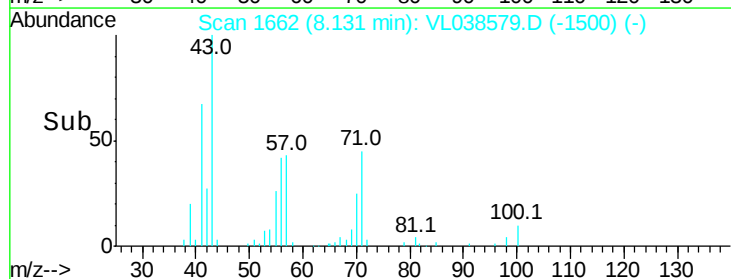
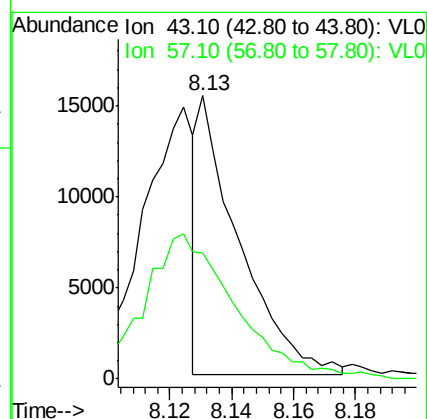
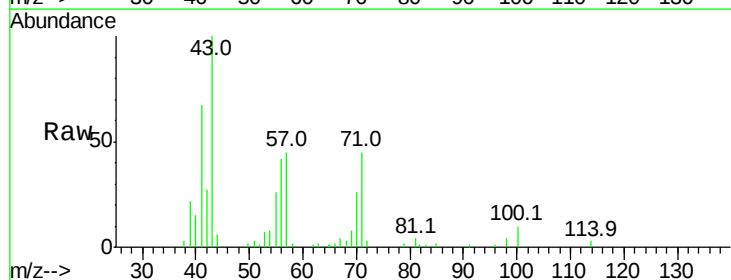
Acq: 9 Mar 2022 17:06

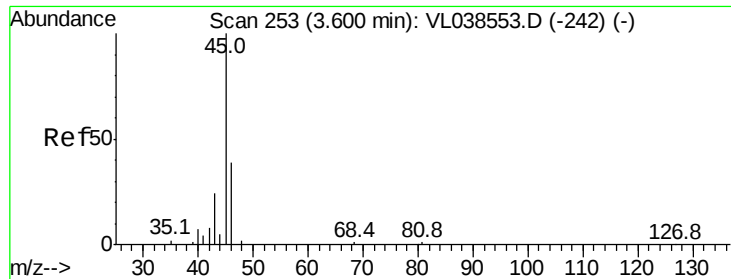
Tgt Ion: 43 Resp: 13946

Ion Ratio Lower Upper

43 100

57 0.0 39.6 59.4#





#13

Ethanol

Concen: 4.86 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

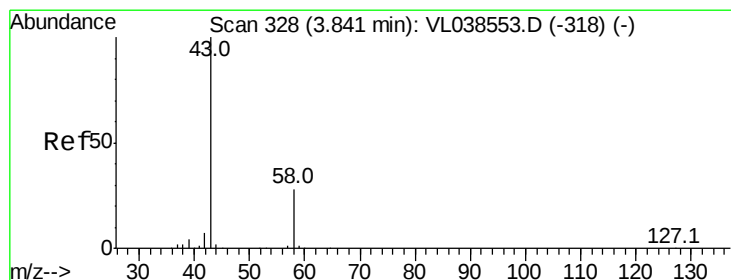
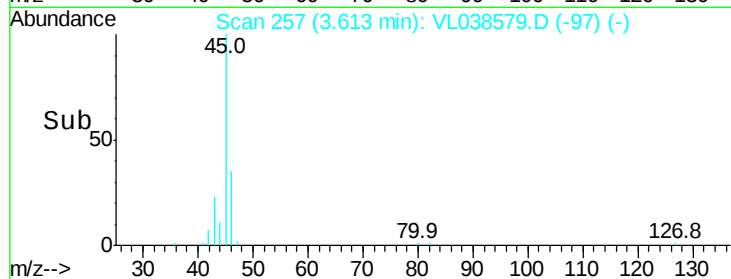
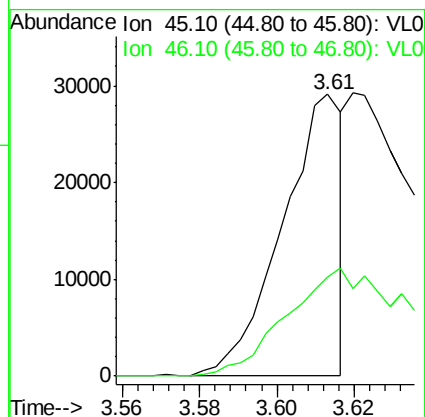
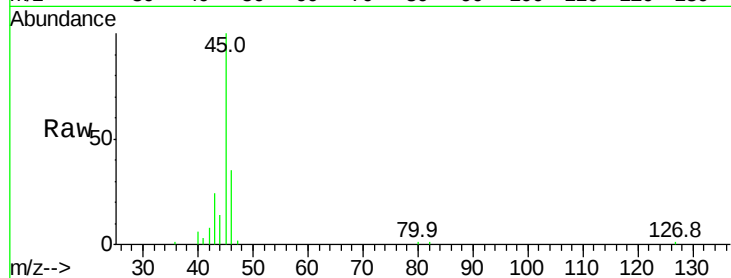
Acq: 9 Mar 2022 17:00

Tgt Ion: 45 Resp: 31327

Ion Ratio Lower Upper

45 100

46 107.3 16.8 67.0#



#15

Acetone

Concen: 20.33 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL038579.D

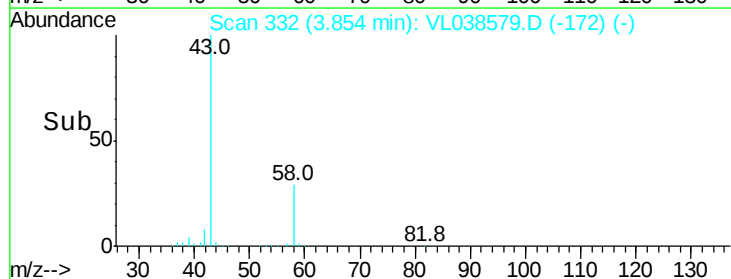
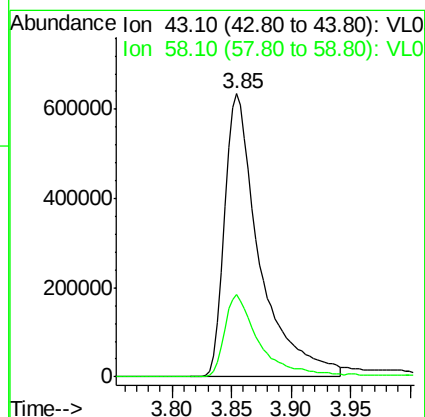
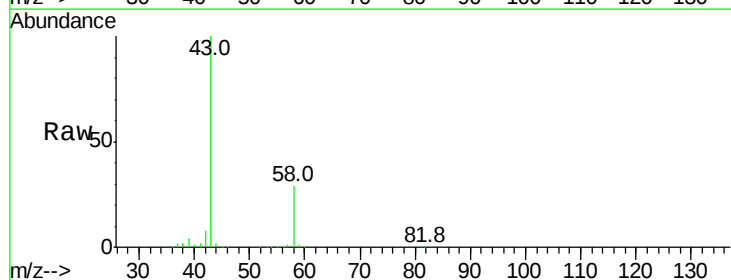
Acq: 9 Mar 2022 17:06

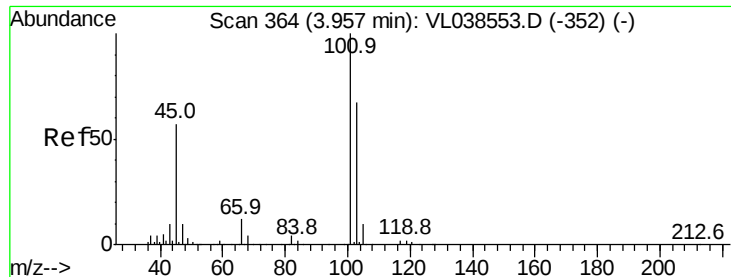
Tgt Ion: 43 Resp: 1292350

Ion Ratio Lower Upper

43 100

58 30.2 22.7 34.1





#19

Isopropyl Alcohol

Concen: 0.95 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

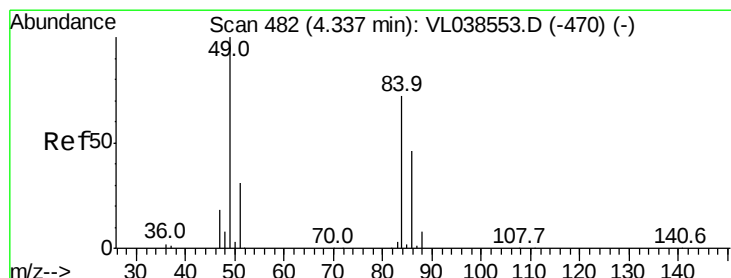
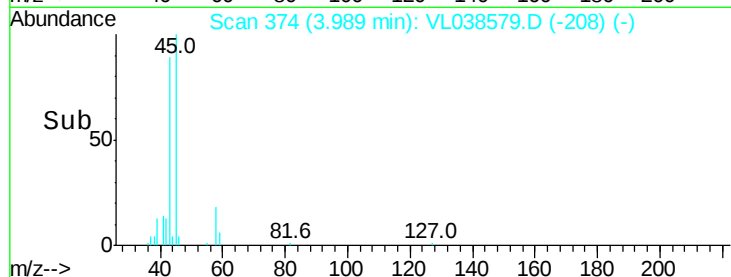
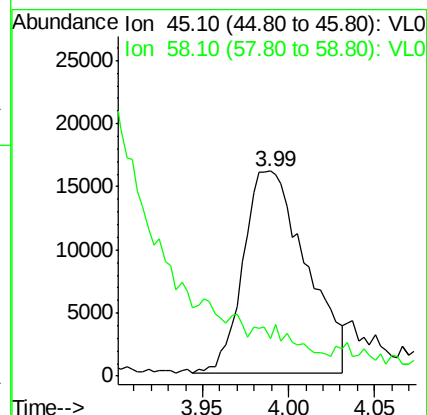
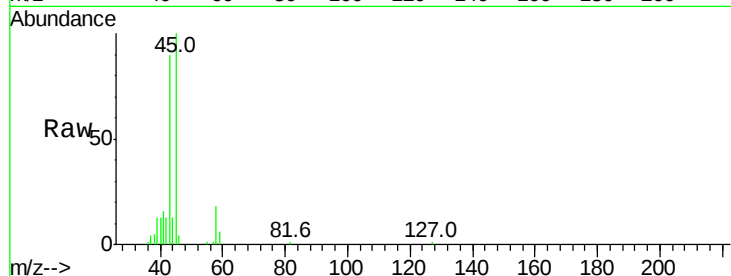
Acq: 9 Mar 2022 17:00

Tgt Ion: 45 Resp: 40530

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.2#



#20

Methylene Chloride

Concen: 2.37 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL038579.D

Acq: 9 Mar 2022 17:06

Tgt Ion: 84 Resp: 90624

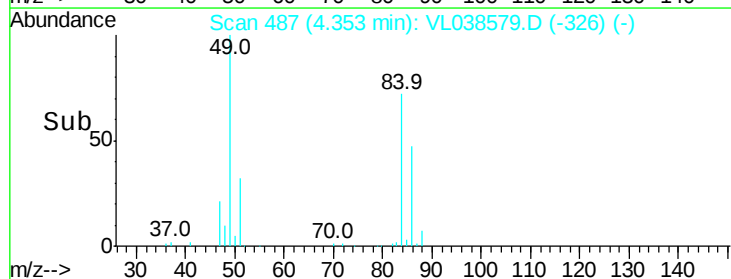
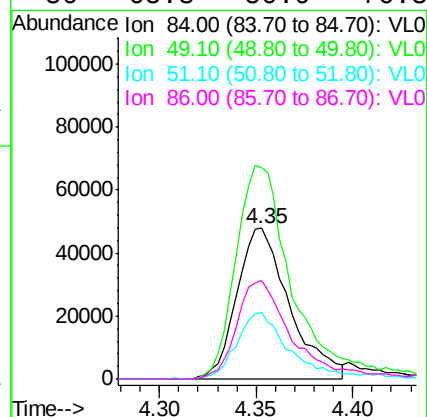
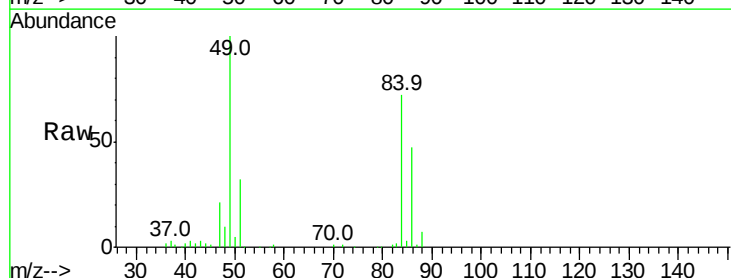
Ion Ratio Lower Upper

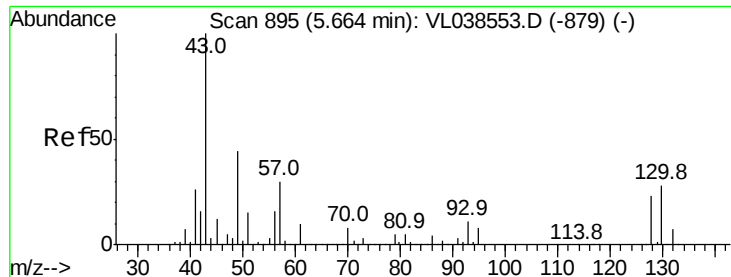
84 100

49 139.3 111.1 166.7

51 44.4 34.0 51.0

86 65.3 50.9 76.3





#25

Ethyl Acetate

Concen: 2.43 ppbv

RT: 5.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 17:00

Tgt Ion: 43 Resp: 519583

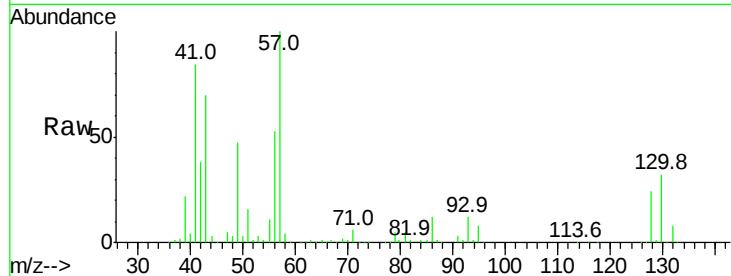
Ion Ratio Lower Upper

43 100

45 0.3 8.0 12.0#

61 0.2 8.2 12.4#

70 1.5 5.4 8.2#

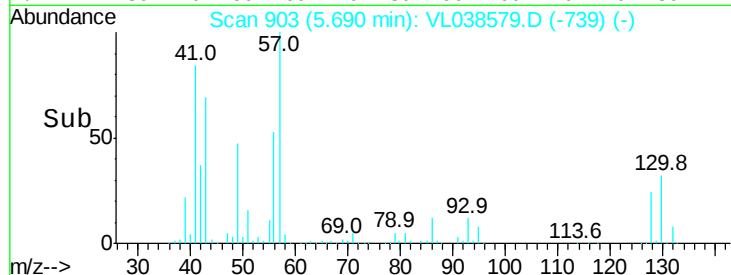


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



Abundance

5.69

400000

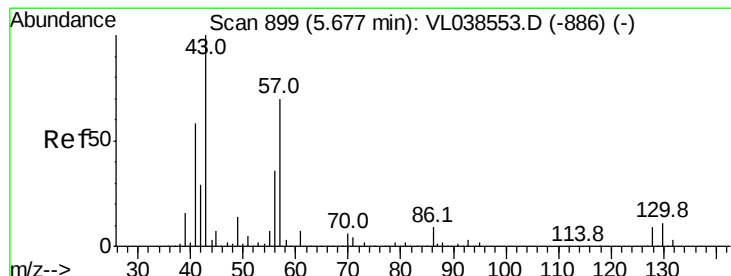
300000

200000

100000

0

Time--> 5.60 5.65 5.70 5.75 5.80



#26

Hexane

Concen: 7.48 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL038579.D

Acq: 9 Mar 2022 17:06

Tgt Ion: 57 Resp: 751645

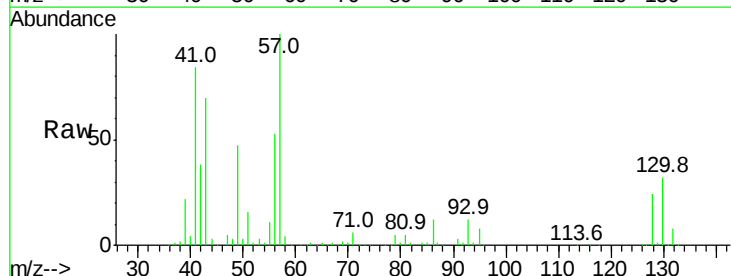
Ion Ratio Lower Upper

57 100

41 82.4 67.8 101.6

43 70.7 173.6 260.4#

56 53.1 42.2 63.2

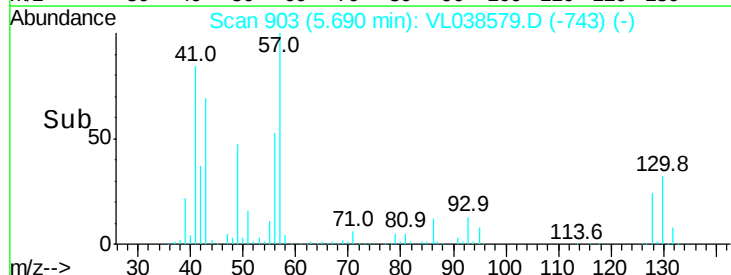


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



Abundance

5.69

500000

400000

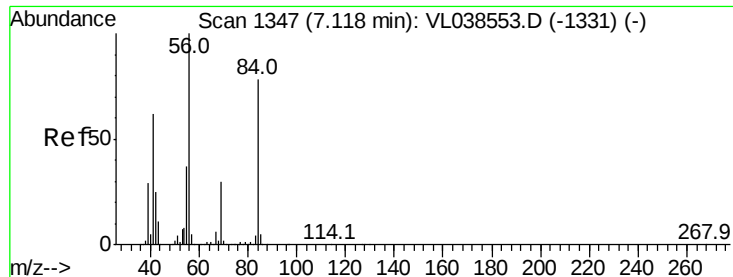
300000

200000

100000

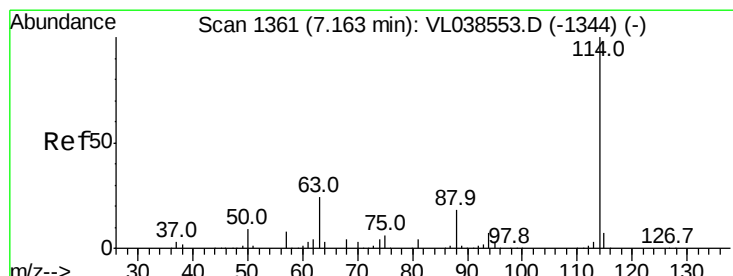
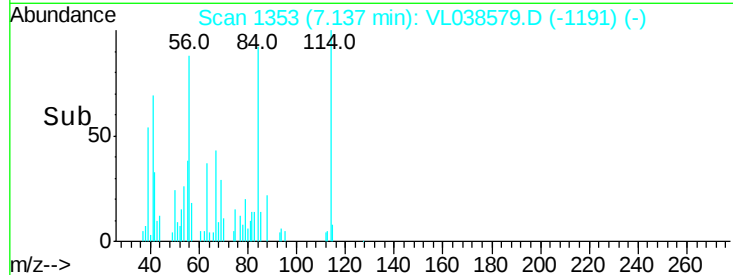
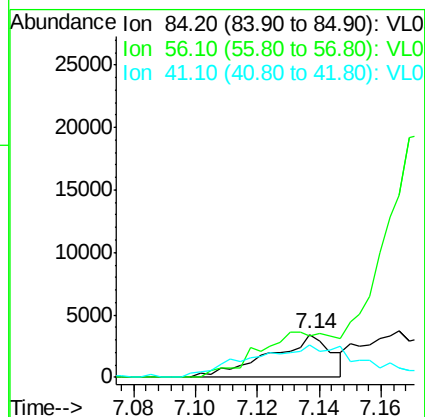
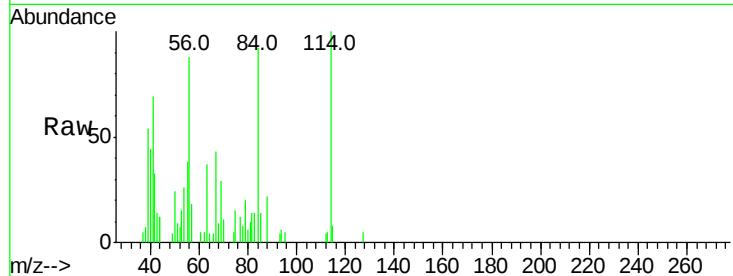
0

Time--> 5.60 5.70 5.80



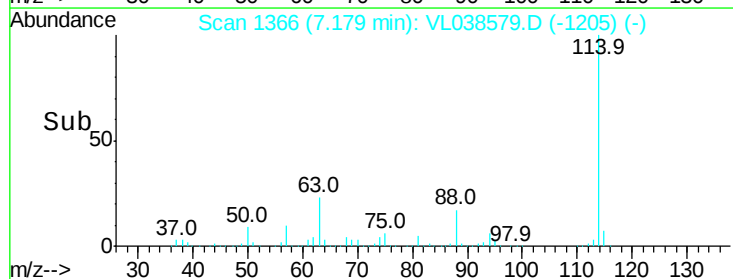
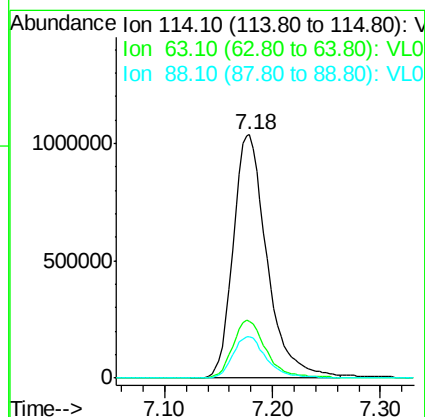
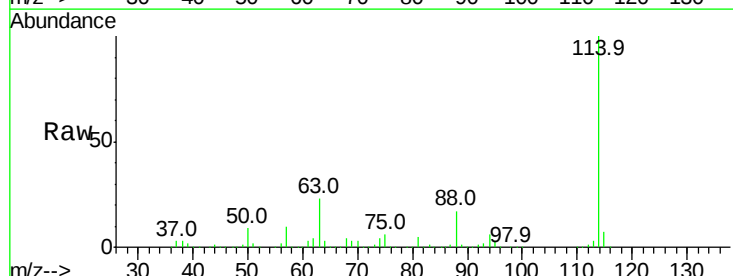
#30
Cyclohexane
Concen: 0.05 ppbv
RT: 7.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 17:00

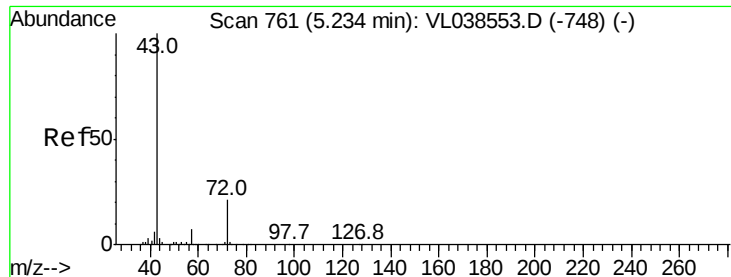
Tgt Ion: 84 Resp: 4717
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.0#
41 149.6 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VL038579.D
Acq: 9 Mar 2022 17:06

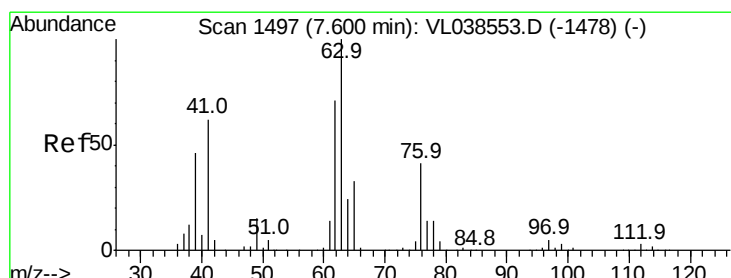
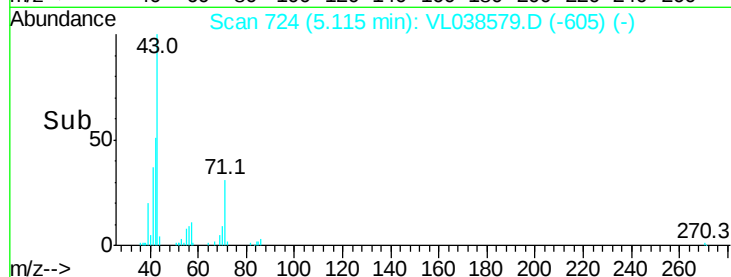
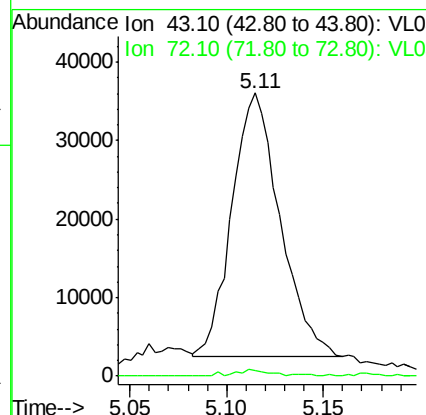
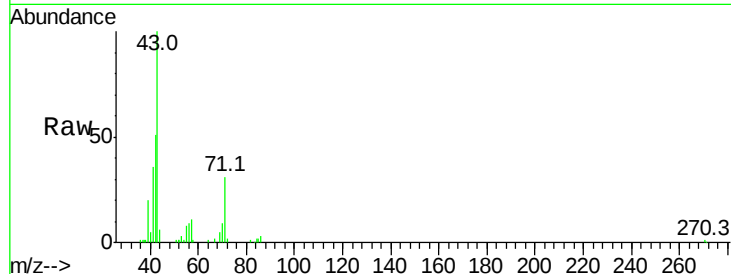
Tgt Ion: 114 Resp: 2268055
Ion Ratio Lower Upper
114 100
63 24.0 19.6 29.4
88 17.2 13.9 20.9





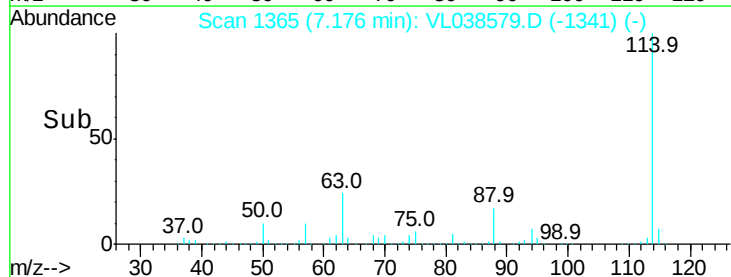
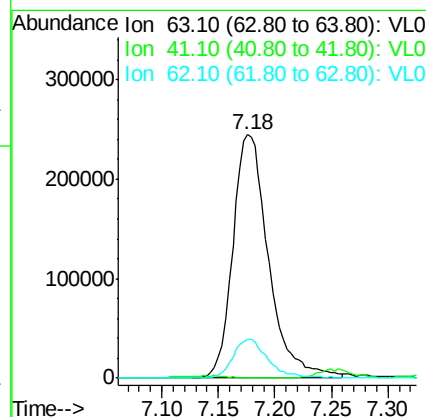
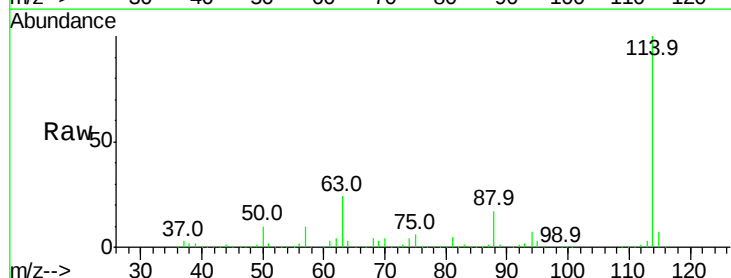
#34
 2-Butanone
 Concen: 0.99 ppbv
 RT: 5.11
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 17:00

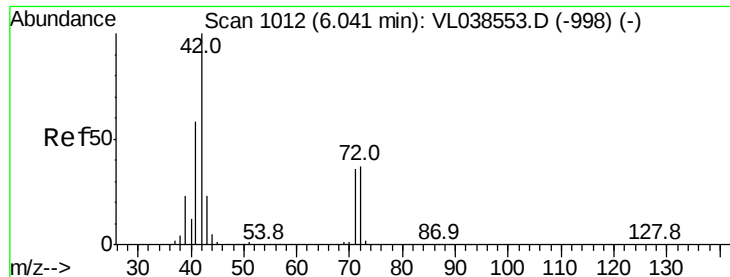
Tgt Ion: 43 Resp: 57932
 Ion Ratio Lower Upper
 43 100
 72 2.1 17.8 26.6#



#39
 1,2-Dichloropropane
 Concen: 6.82 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.42 min
 Lab File: VL038579.D
 Acq: 9 Mar 2022 17:06

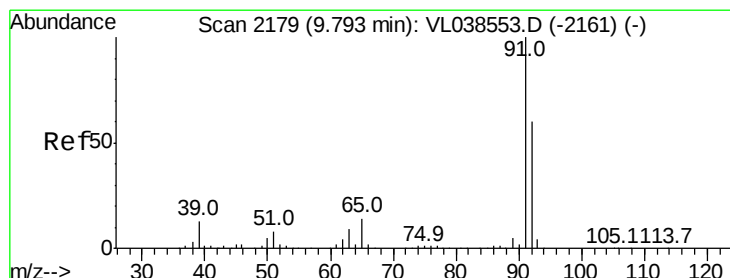
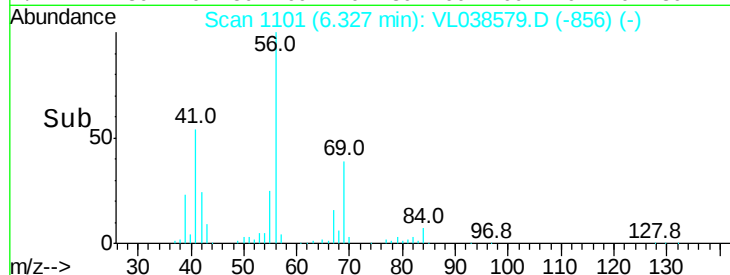
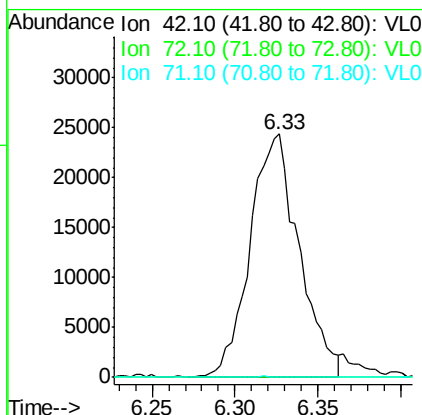
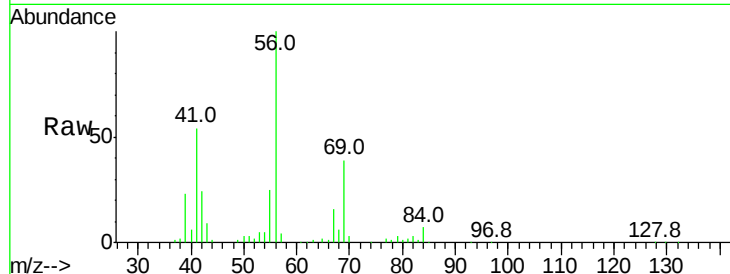
Tgt Ion: 63 Resp: 536434
 Ion Ratio Lower Upper
 63 100
 41 0.0 49.8 74.6#
 62 15.7 56.7 85.1#





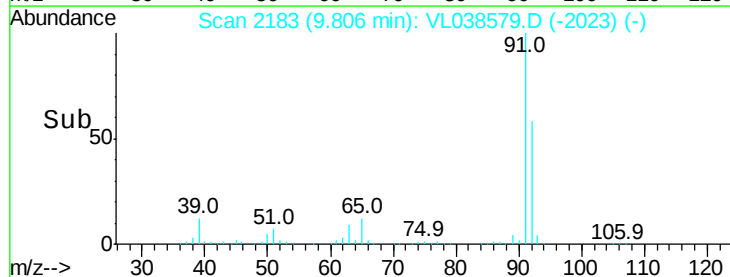
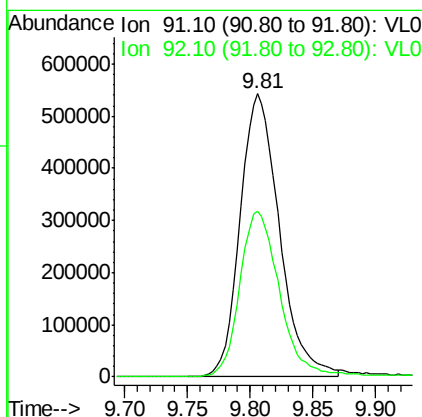
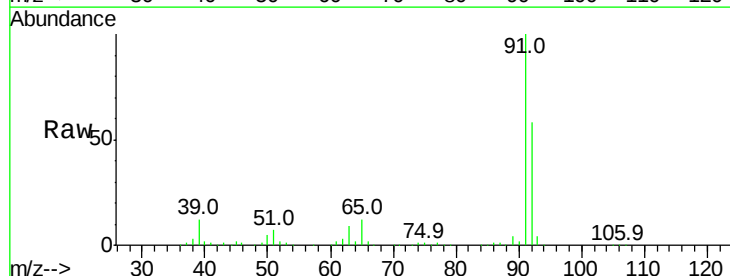
#41
Tetrahydrofuran
Concen: 1.04 ppbv
RT: 6.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 9 Mar 2022 17:00

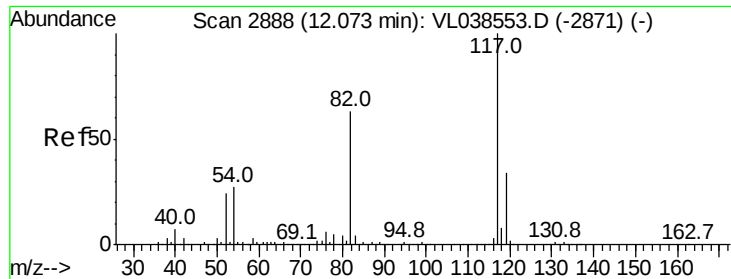
Tgt Ion: 42 Resp: 50129
Ion Ratio Lower Upper
42 100
72 0.0 30.9 46.3#
71 0.0 29.1 43.7#



#53
Toluene
Concen: 5.41 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. 0.01 min
Lab File: VL038579.D
Acq: 9 Mar 2022 17:06

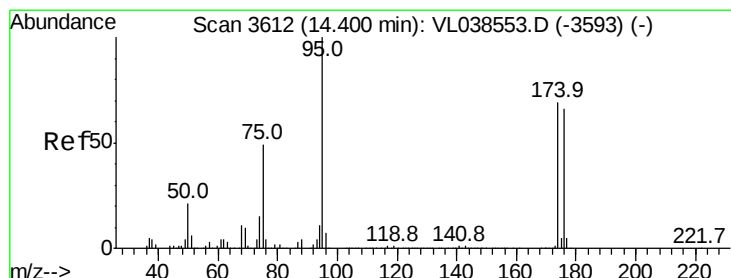
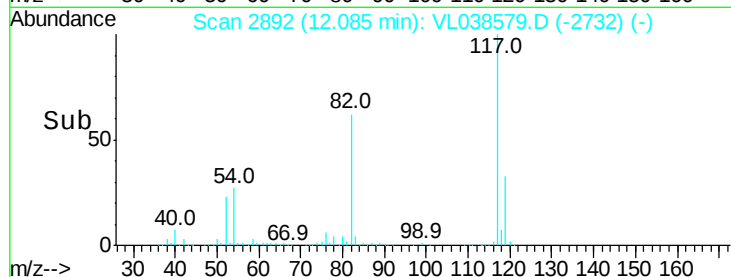
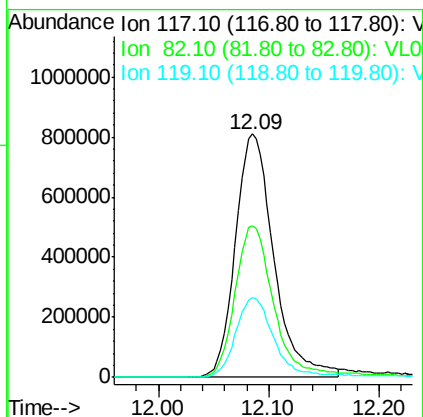
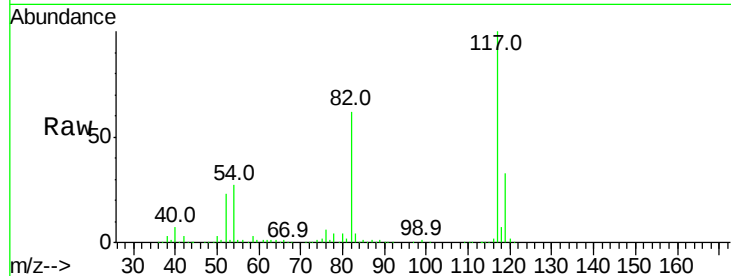
Tgt Ion: 91 Resp: 1181514
Ion Ratio Lower Upper
91 100
92 60.4 48.1 72.1





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 9 Mar 2022 17:00

Tgt Ion: 117 Resp: 1962251
 Ion Ratio Lower Upper
 117 100
 82 66.1 52.5 78.7
 119 34.6 46.4 69.6#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.39 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T.: 0.01 min
 Lab File: VL038579.D
 Acq: 9 Mar 2022 17:06

Tgt Ion: 95 Resp: 1401132
 Ion Ratio Lower Upper
 95 100
 174 74.4 56.2 84.4
 175 5.3 4.2 6.2

