

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
 Data File : VL038428.D
 Acq On : 24 Feb 2022 4:37
 Operator : SY/AP
 Sample : N1605-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-1DL

Quant Time: Feb 24 07:34:06 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	817588	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	2026753	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	1754385	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.37	95	1351276	9.31	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.10%	

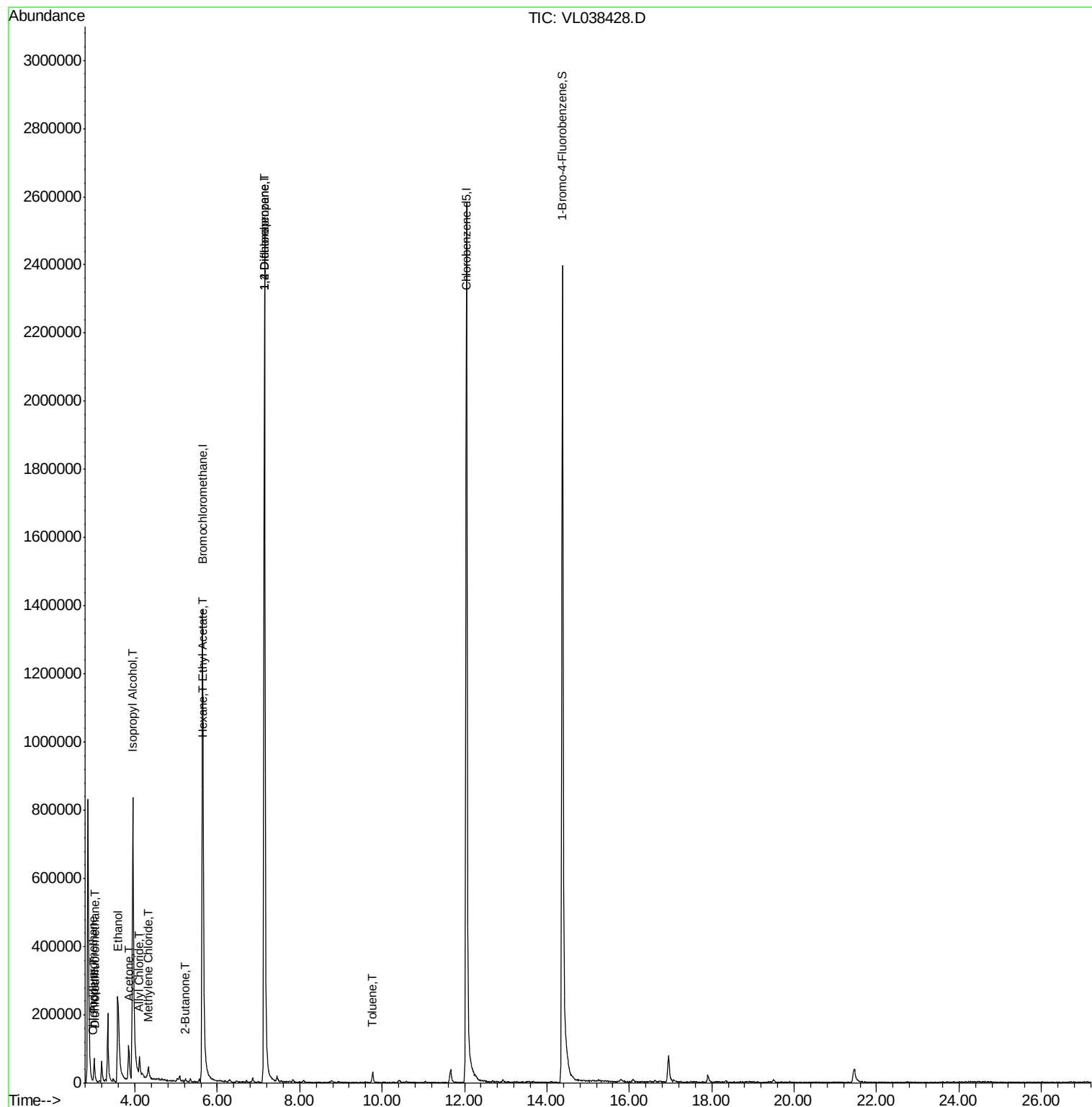
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	7046	0.05	ppbv #	73
3) Chlorodifluoromethane	2.97	51	7101	0.05	ppbv #	76
9) Propene	3.01	41	11284	0.24	ppbv	89
13) Ethanol	3.58	45	409003	85.98	ppbv	94
15) Acetone	3.84	43	89219	1.28	ppbv #	85
19) Isopropyl Alcohol	3.94	45	1265104	31.42	ppbv #	98
20) Methylene Chloride	4.32	84	5510	0.16	ppbv	91
21) Allyl Chloride	4.11	41	7467	0.13	ppbv #	55
25) Ethyl Acetate	5.66	43	19517	0.10	ppbv #	84
26) Hexane	5.66	57	18106	0.21	ppbv #	38
34) 2-Butanone	5.22	43	5663	0.09	ppbv #	48
39) 1,2-Dichloropropane	7.14	63	551899	7.77	ppbv #	25
53) Toluene	9.77	91	23925	0.12	ppbv	96

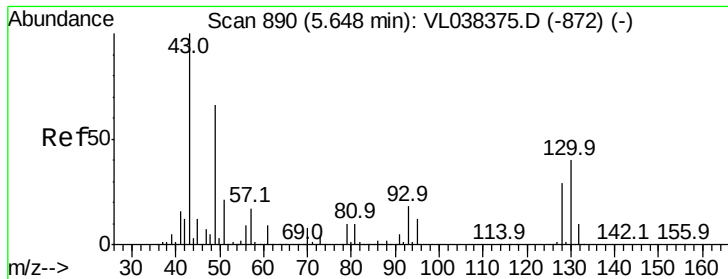
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUP-1DL

Quant Time: Feb 24 07:34:06 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 24 Feb 2022 4:37

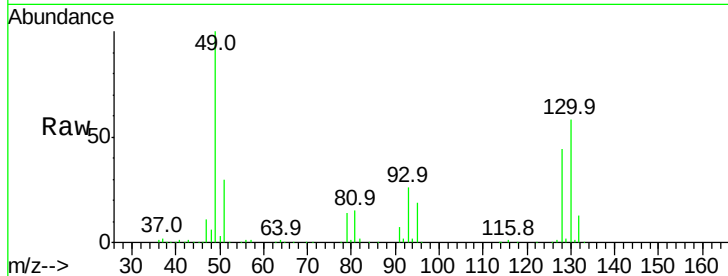
Tgt Ion: 49 Resp: 817588

Ion Ratio Lower Upper

49 100

128 47.4 24.3 72.9

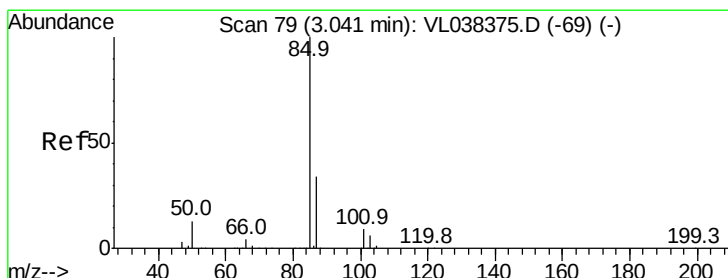
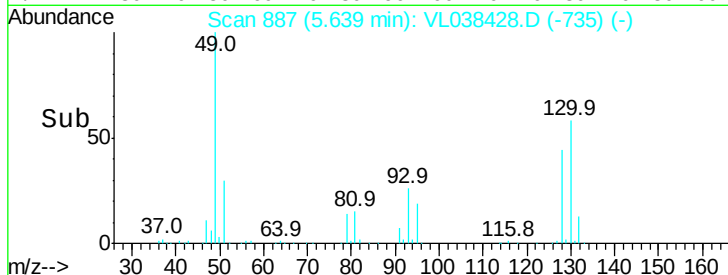
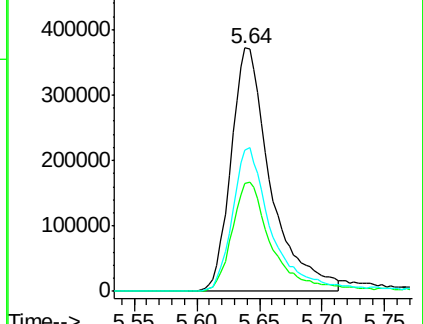
130 60.4 30.1 90.5



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: 0.05 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL038428.D

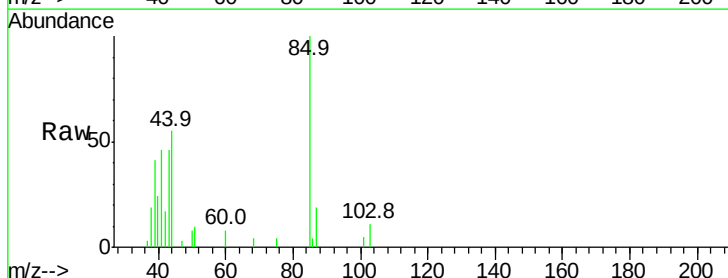
Acq: 24 Feb 2022 4:37

Tgt Ion: 85 Resp: 7046

Ion Ratio Lower Upper

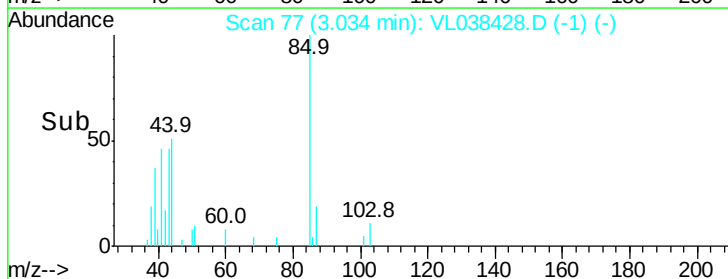
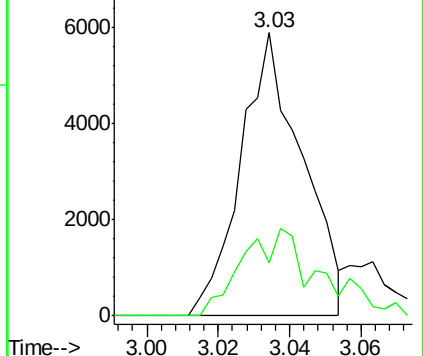
85 100

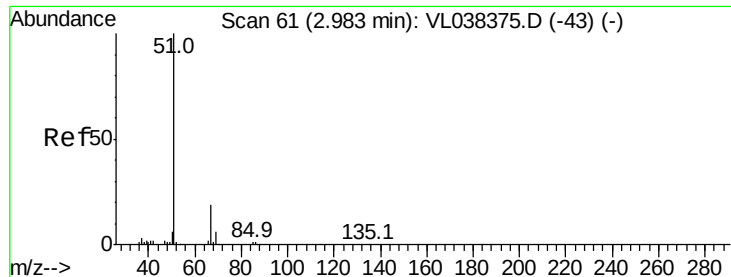
87 18.5 27.4 41.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.05 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

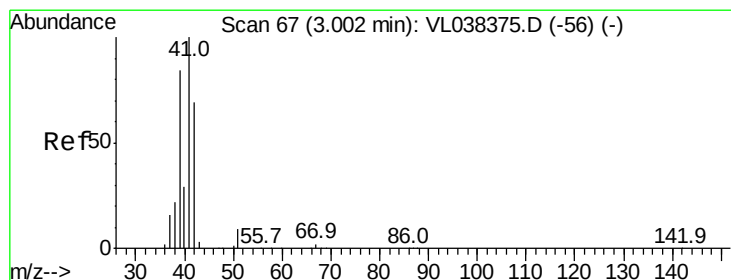
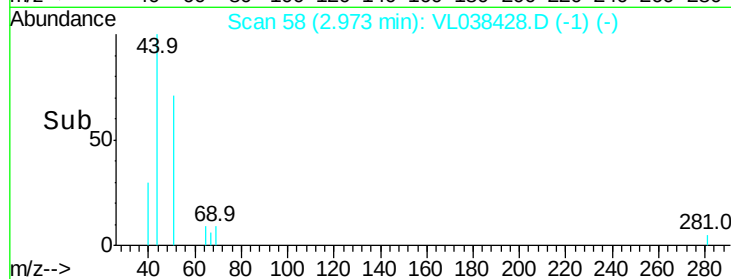
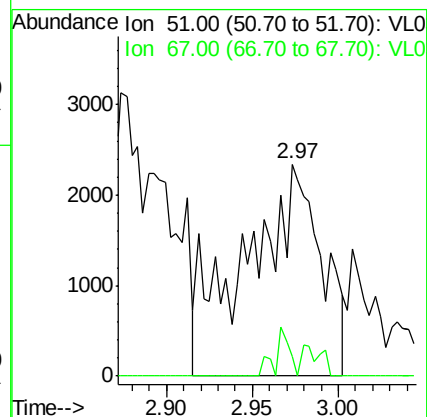
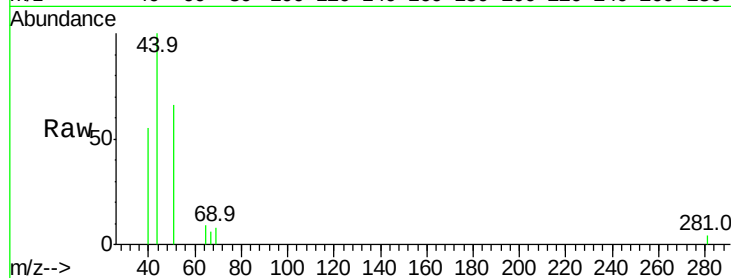
Acq: 24 Feb 2022 4:37

Tgt Ion: 51 Resp: 7101

Ion Ratio Lower Upper

51 100

67 7.8 14.7 22.1#



#9

Propene

Concen: 0.24 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL038428.D

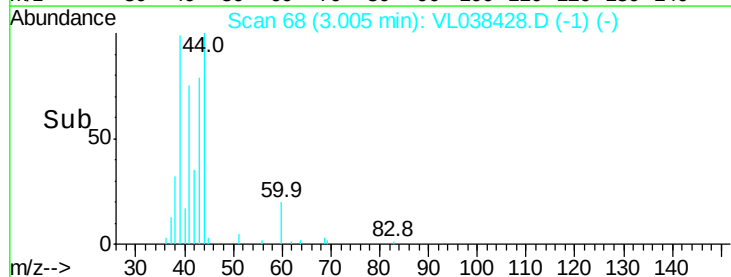
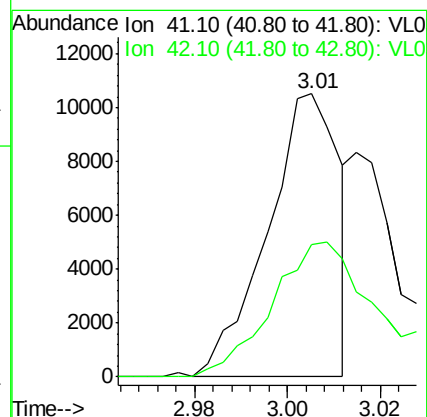
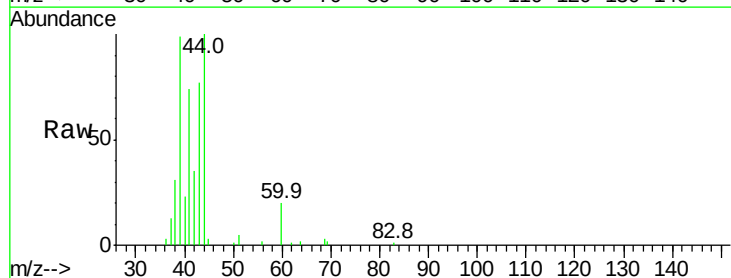
Acq: 24 Feb 2022 4:37

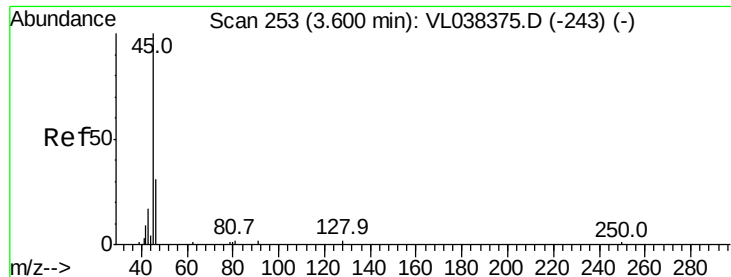
Tgt Ion: 41 Resp: 11284

Ion Ratio Lower Upper

41 100

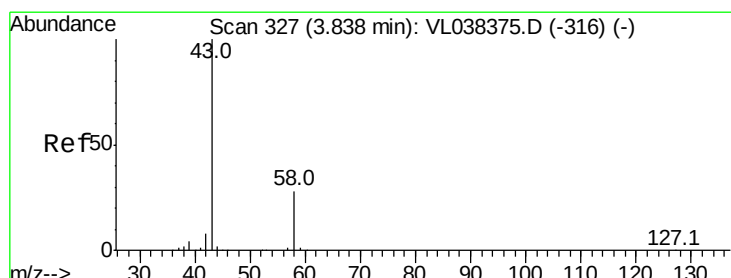
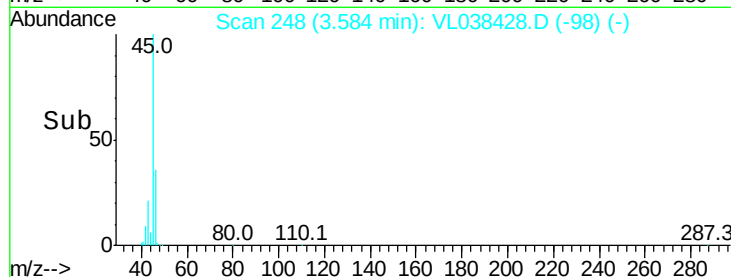
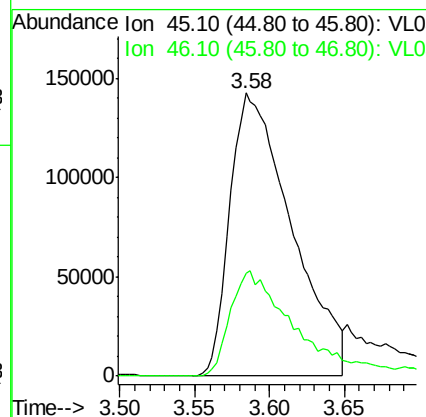
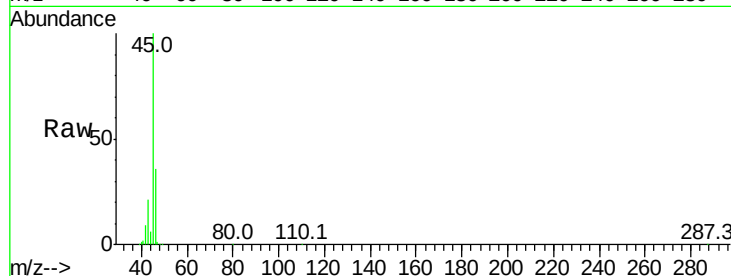
42 77.0 54.6 82.0





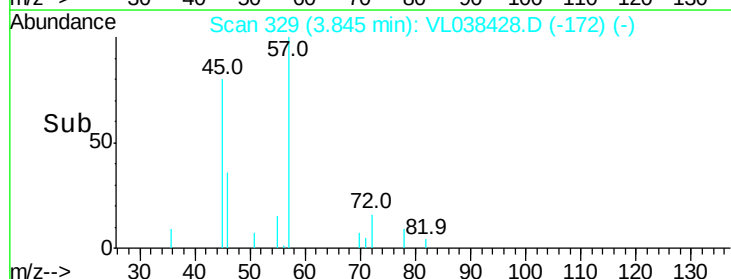
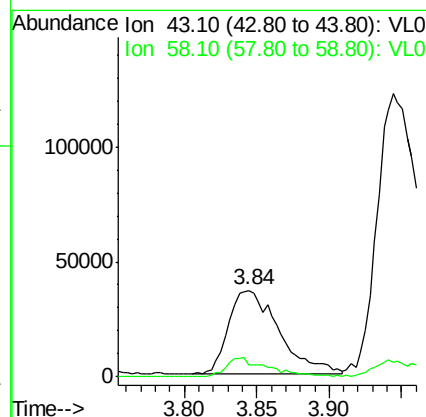
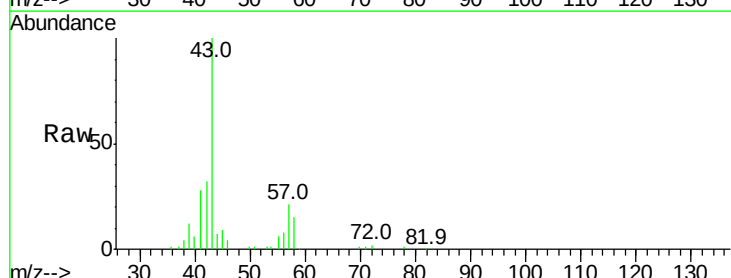
#13
 Ethanol
 Concen: 85.98 ppbv
 RT: 3.58
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 24 Feb 2022 4:37

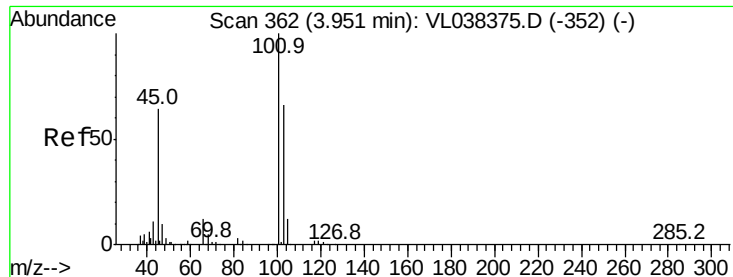
Tgt Ion: 45 Resp: 409003
 Ion Ratio Lower Upper
 45 100
 46 41.5 18.2 72.8



#15
 Acetone
 Concen: 1.28 ppbv
 RT: 3.84 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VL038428.D
 Acq: 24 Feb 2022 4:37

Tgt Ion: 43 Resp: 89219
 Ion Ratio Lower Upper
 43 100
 58 19.2 21.7 32.5#





#19

Isopropyl Alcohol

Concen: 31.42 ppbv

RT: 3.94 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

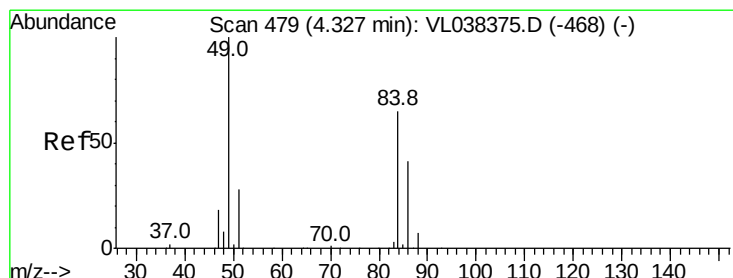
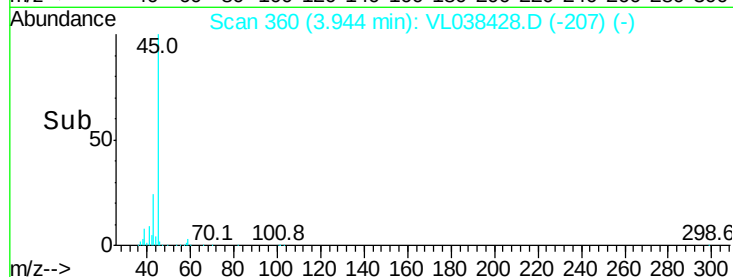
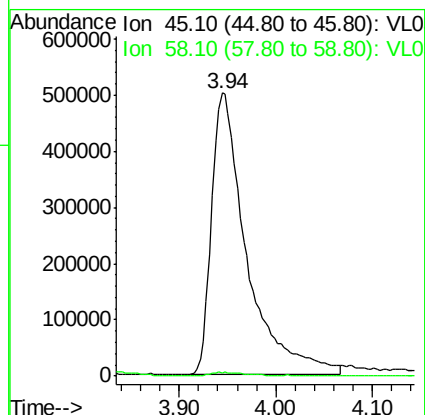
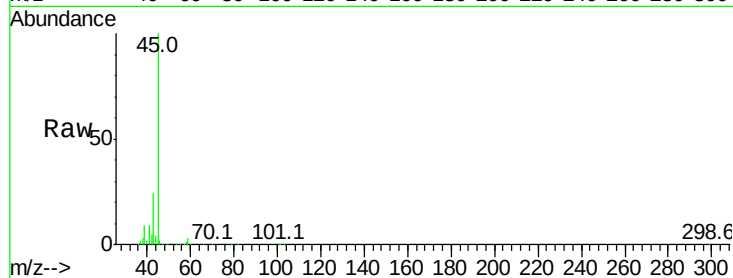
Acq: 24 Feb 2022 4:37

Tgt Ion: 45 Resp: 1265104

Ion Ratio Lower Upper

45 100

58 1.8 1.8 2.8#



#20

Methylene Chloride

Concen: 0.16 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL038428.D

Acq: 24 Feb 2022 4:37

Tgt Ion: 84 Resp: 5510

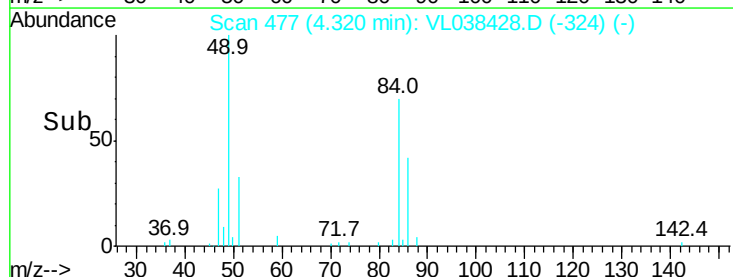
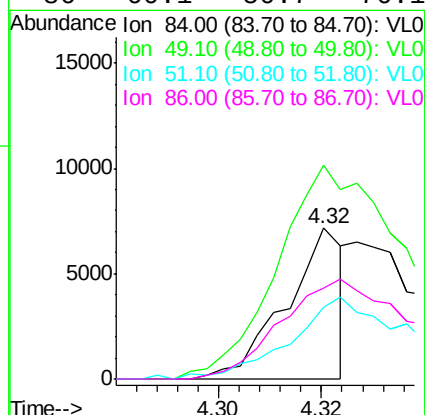
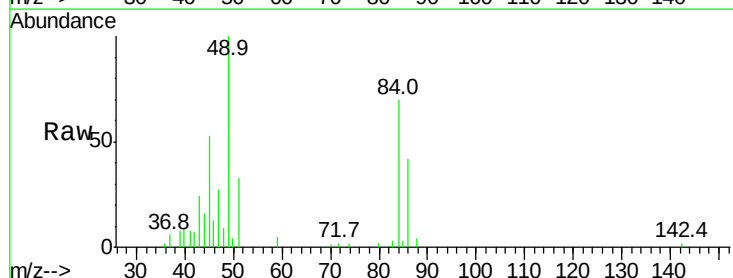
Ion Ratio Lower Upper

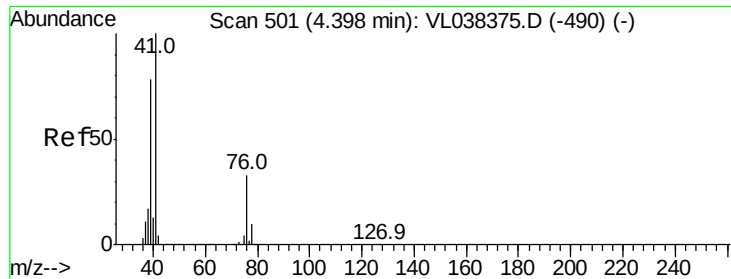
84 100

49 137.1 122.4 183.6

51 44.0 33.3 49.9

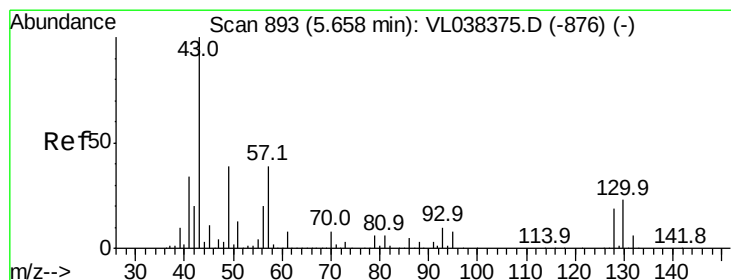
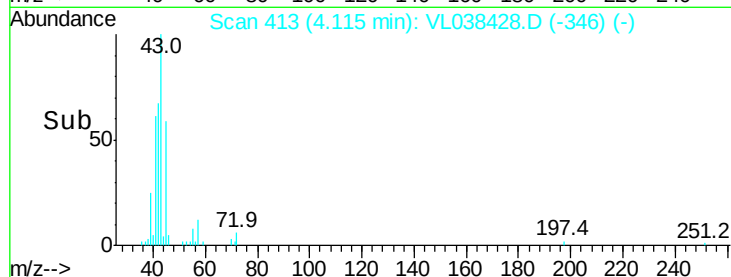
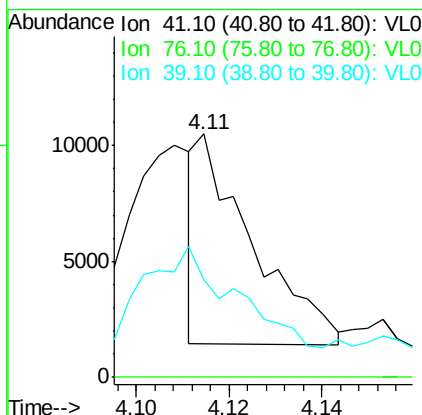
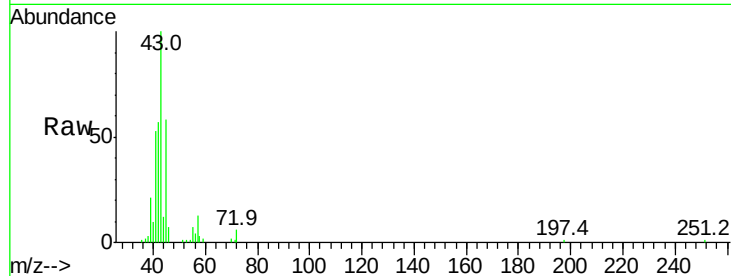
86 60.1 50.7 76.1





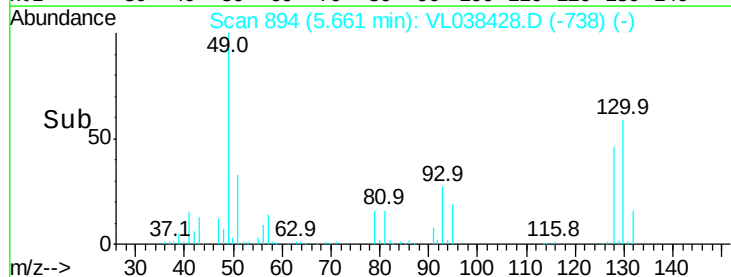
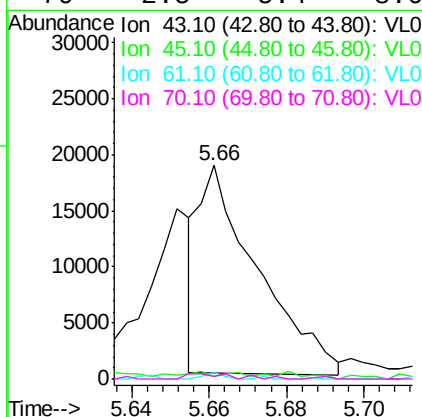
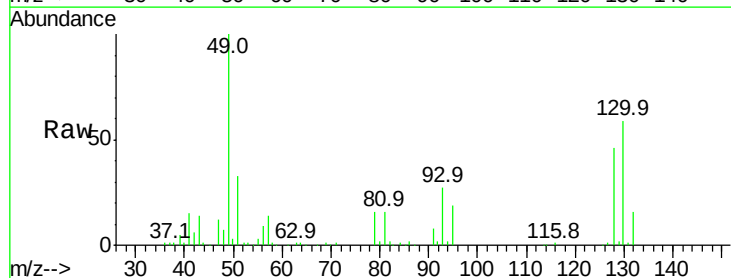
#21
 Allyl Chloride
 Concen: 0.13 ppbv
 RT: 4.11
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 DUP-1DL
 Acq: 24 Feb 2022 4:37

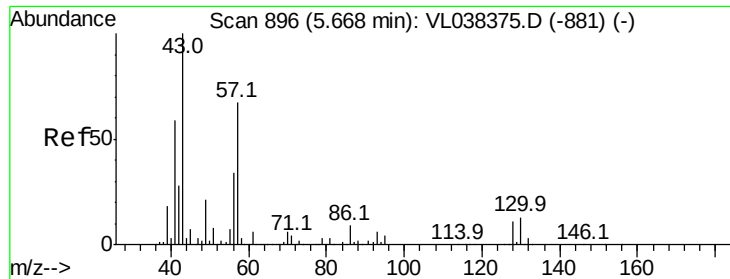
Tgt Ion: 41 Resp: 7467
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.4 38.0#
 39 113.5 63.0 94.6#



#25
 Ethyl Acetate
 Concen: 0.10 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VL038428.D
 Acq: 24 Feb 2022 4:37

Tgt Ion: 43 Resp: 19517
 Ion Ratio Lower Upper
 43 100
 45 4.5 7.8 11.6#
 61 1.8 7.5 11.3#
 70 2.5 5.4 8.0#





#26

Hexane

Concen: 0.21 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 24 Feb 2022 4:37

Tgt Ion: 57 Resp: 18106

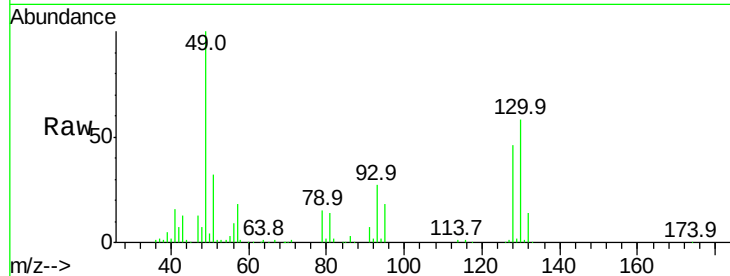
Ion Ratio Lower Upper

57 100

41 233.3 73.1 109.7#

43 202.0 181.0 271.4

56 135.9 43.4 65.0#

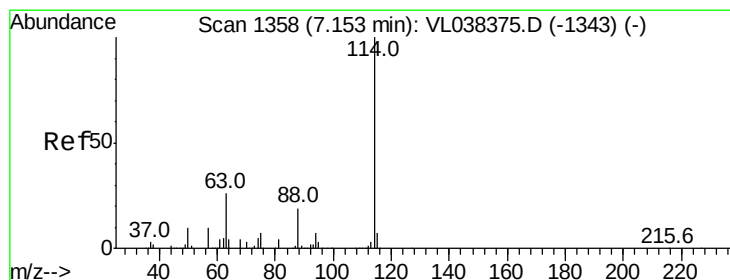
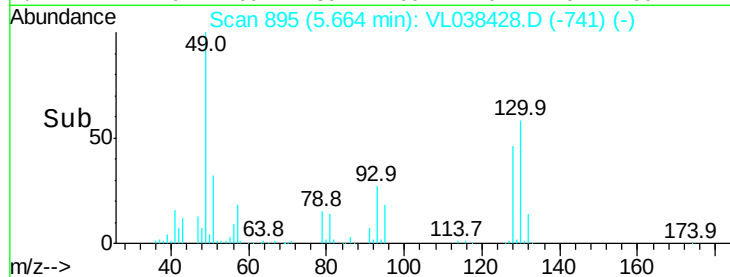
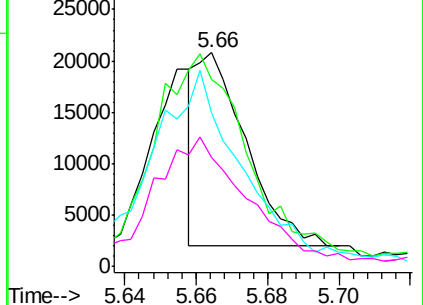


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.01 min

Lab File: VL038428.D

Acq: 24 Feb 2022 4:37

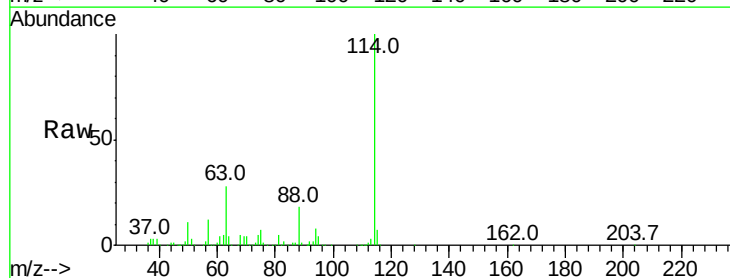
Tgt Ion: 114 Resp: 2026753

Ion Ratio Lower Upper

114 100

63 28.0 22.2 33.2

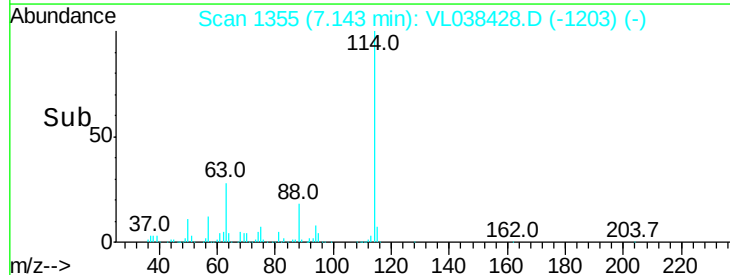
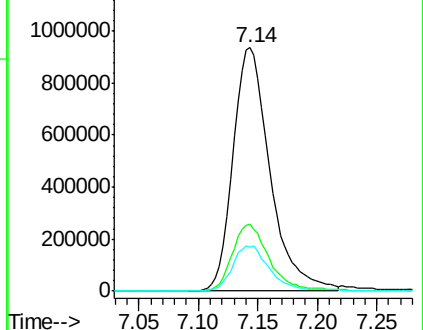
88 19.0 15.2 22.8

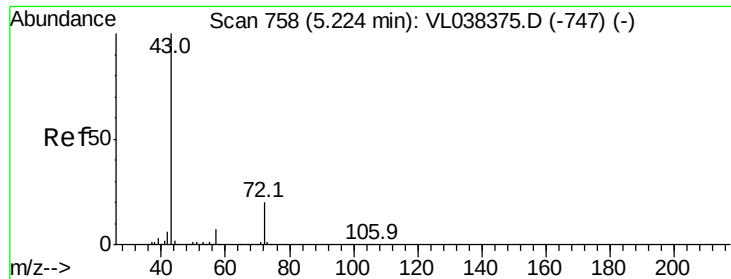


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

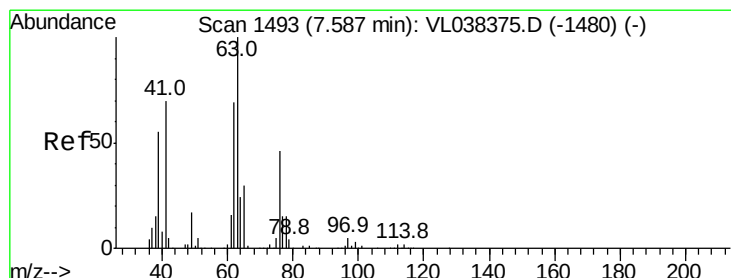
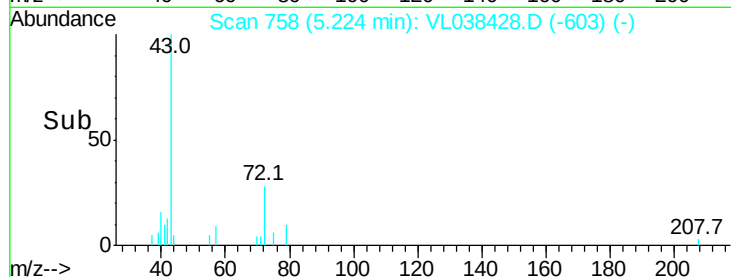
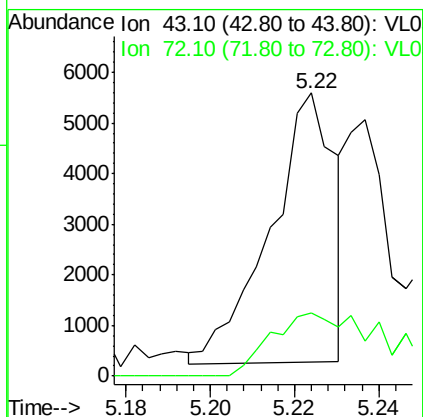
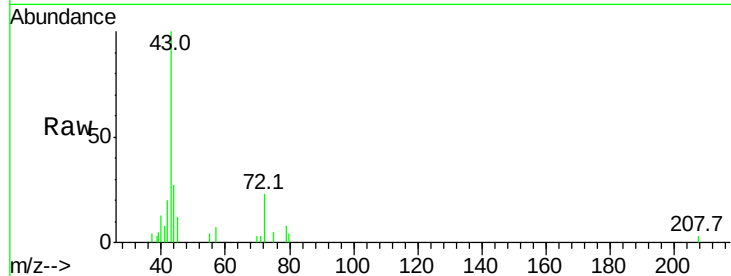
Ion 88.10 (87.80 to 88.80): VL0





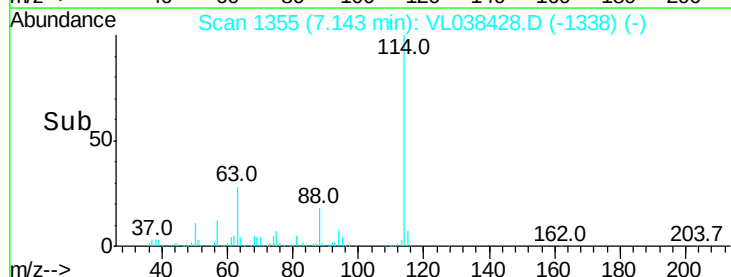
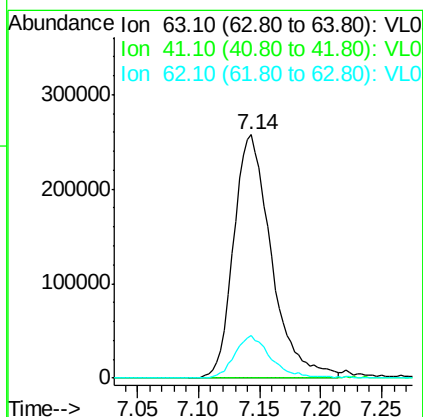
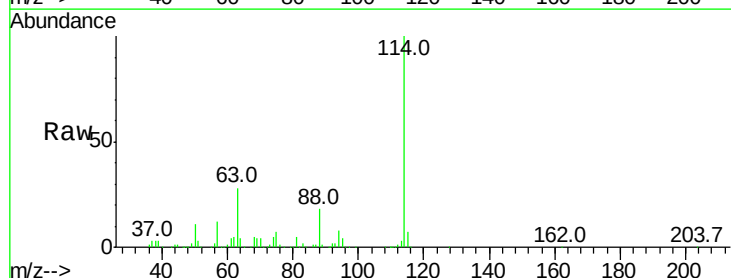
#34
 2-Butanone
 Concen: 0.09 ppbv
 RT: 5.22 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File: DUP-1DL
 Acq: 24 Feb 2022 4:37

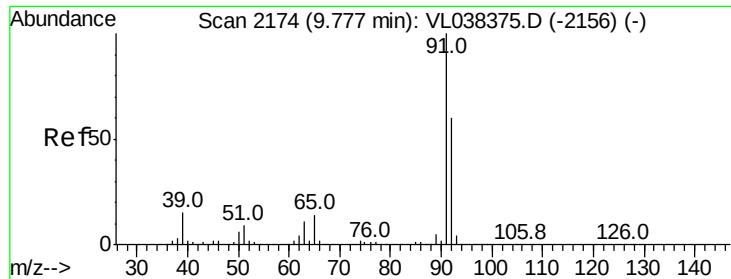
Tgt Ion: 43 Resp: 5663
 Ion Ratio Lower Upper
 43 100
 72 46.4 17.4 26.2#



#39
 1,2-Dichloropropane
 Concen: 7.77 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.44 min
 Lab File: VL038428.D
 Acq: 24 Feb 2022 4:37

Tgt Ion: 63 Resp: 551899
 Ion Ratio Lower Upper
 63 100
 41 0.0 56.1 84.1#
 62 17.5 55.5 83.3#





#53

Toluene

Concen: 0.12 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

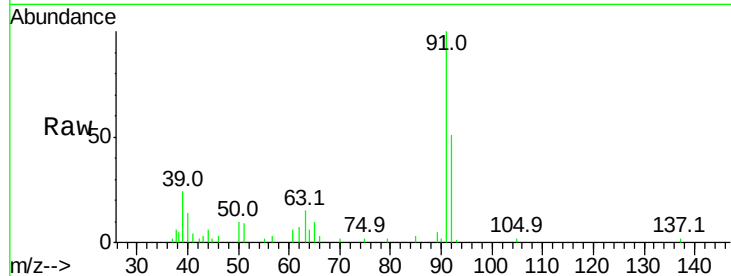
Acq: 24 Feb 2022 4:37

Tgt Ion: 91 Resp: 23925

Ion Ratio Lower Upper

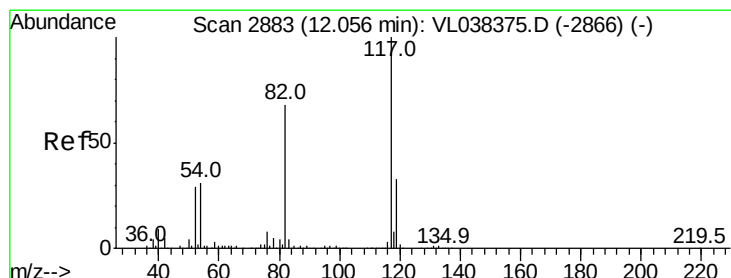
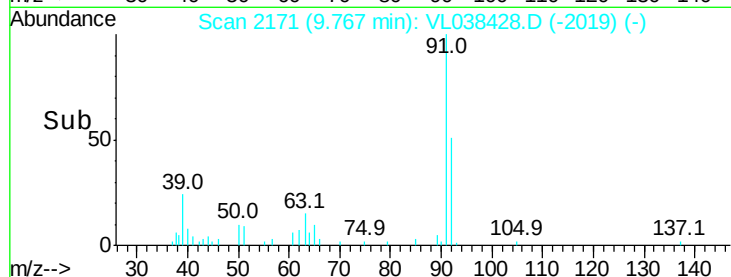
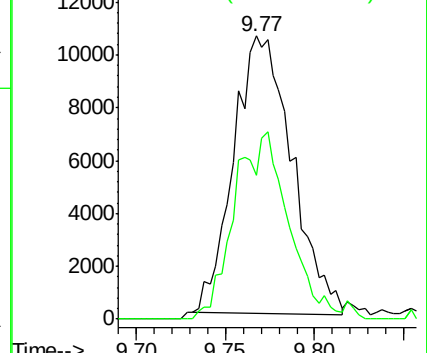
91 100

92 63.6 48.2 72.4



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. -0.01 min

Lab File: VL038428.D

Acq: 24 Feb 2022 4:37

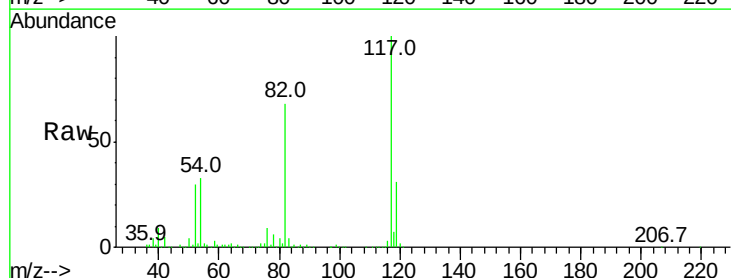
Tgt Ion: 117 Resp: 1754385

Ion Ratio Lower Upper

117 100

82 72.6 54.9 82.3

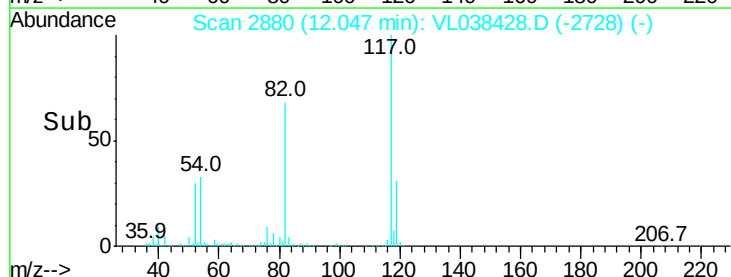
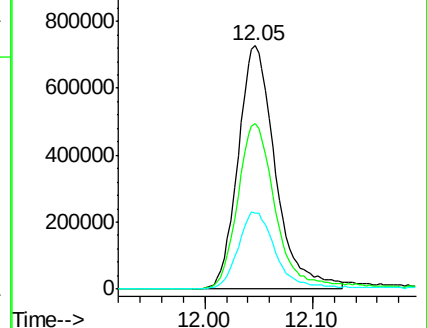
119 32.5 46.1 69.1#

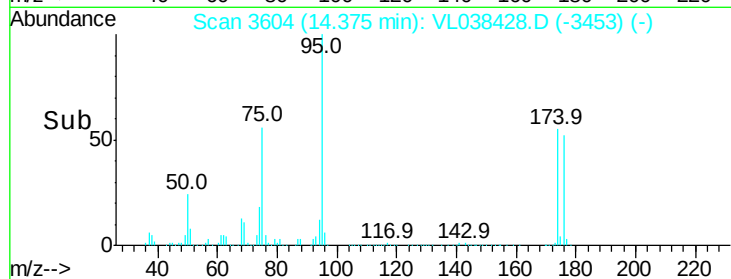
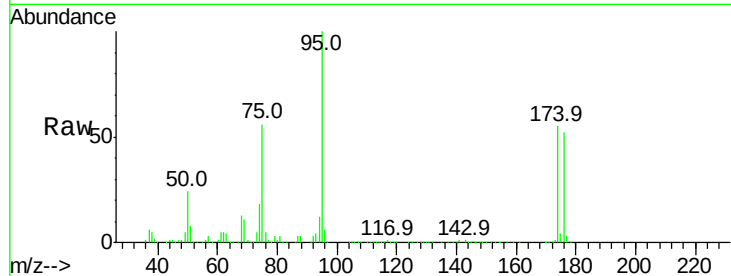
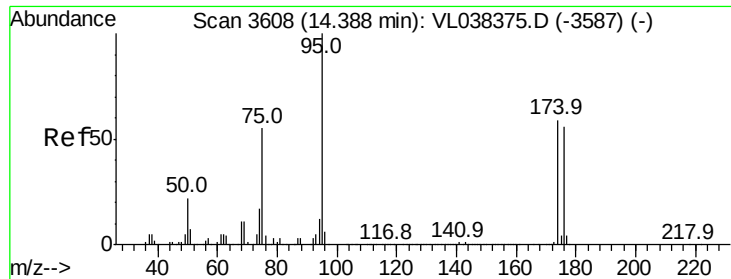


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.31 ppbv

RT: 14.37

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Feb 2022 4:37

Tgt Ion: 95 Resp: 1351276

Ion Ratio Lower Upper

95 100

174 62.0 49.0 73.4

175 4.4 3.6 5.4

