

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038524.D
 Acq On : 3 Mar 2022 21:50
 Operator : SY/AP
 Sample : CAN 10326
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10326

Quant Time: Mar 04 04:34:51 2022
 Quant Method : Z:\VOASRV\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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	780478	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	1687862	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	1236868	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1048977	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

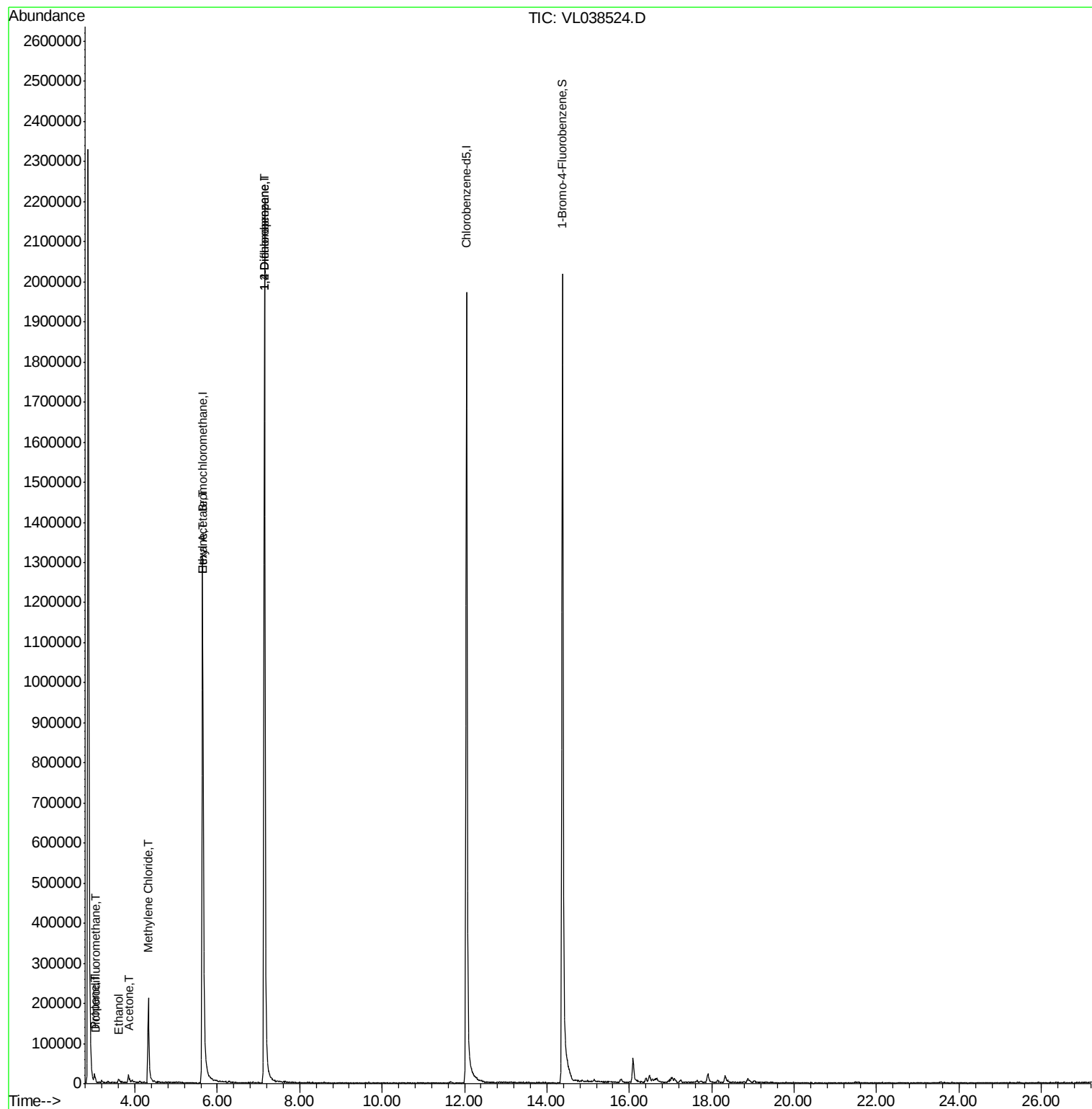
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	6441	0.052	ppbv #	85
9) Propene	3.01	41	4243	0.093	ppbv	97
13) Ethanol	3.59	45	3360	0.740	ppbv #	31
15) Acetone	3.83	43	7483	0.113	ppbv #	1
20) Methylene Chloride	4.33	84	89746	2.729	ppbv	95
25) Ethyl Acetate	5.66	43	41423	0.232	ppbv #	77
26) Hexane	5.66	57	50786	0.629	ppbv #	39
39) 1,2-Dichloropropane	7.14	63	473890	8.007	ppbv #	25

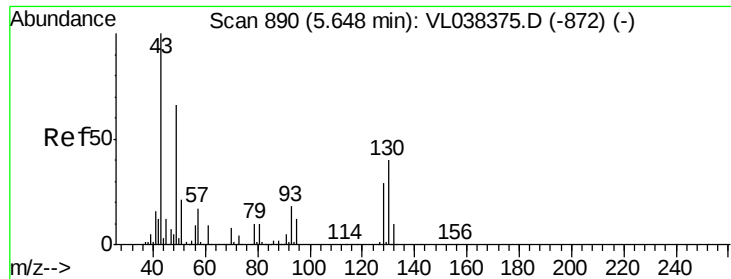
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: CAN10326

Acq: 3 Mar 2022 21:50

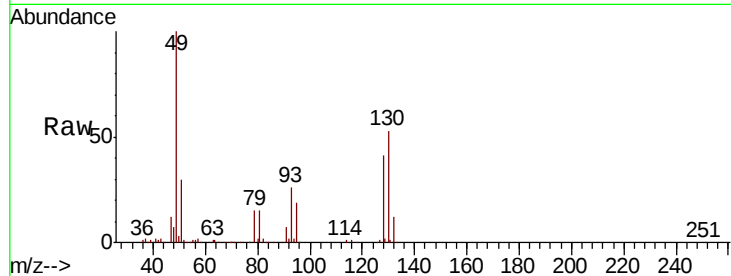
Tot Ion: 49 Resp: 780478

Ion Ratio Lower Upper

49 100

128 44.0 24.3 72.9

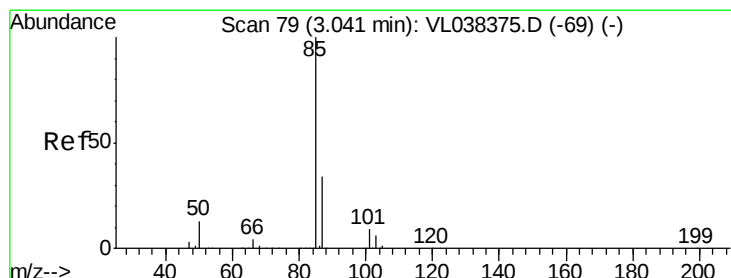
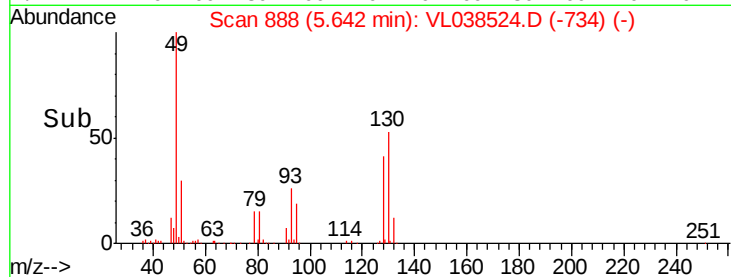
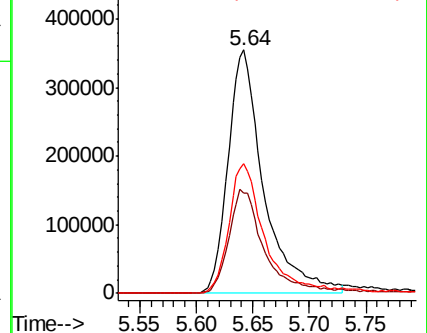
130 56.1 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.052 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL038524.D

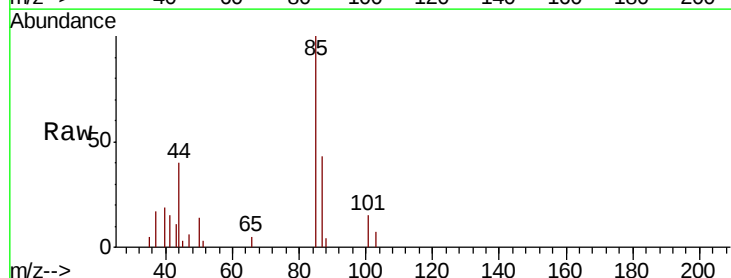
Acq: 3 Mar 2022 21:50

Tgt Ion: 85 Resp: 6441

Ion Ratio Lower Upper

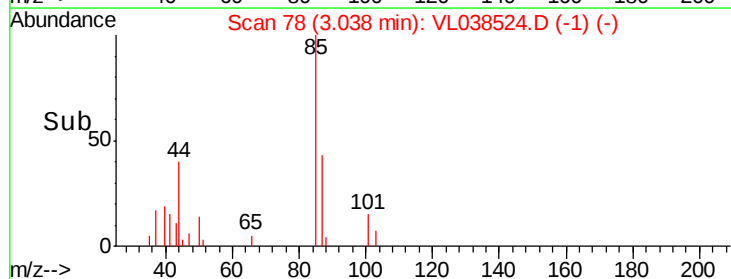
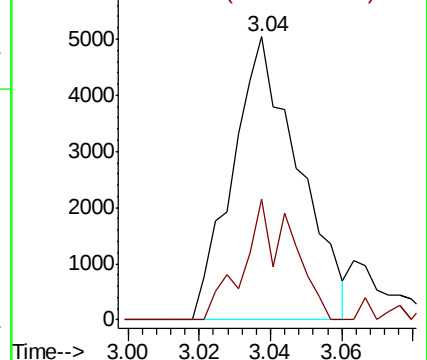
85 100

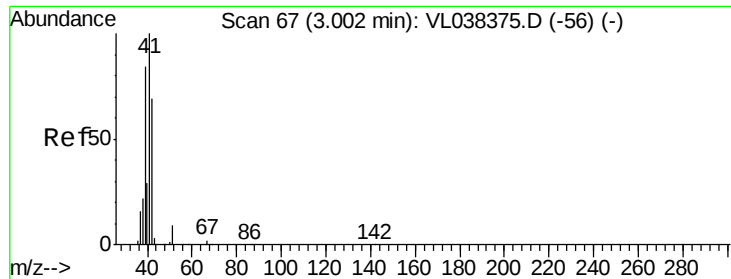
87 42.8 27.4 41.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.093 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

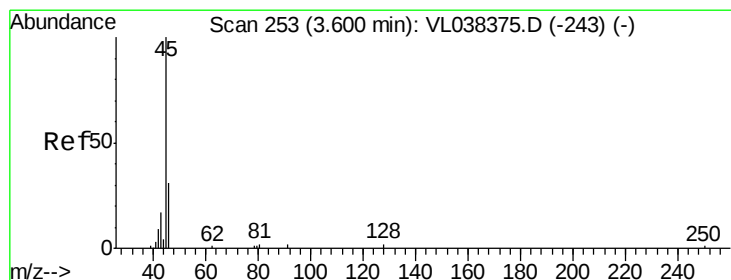
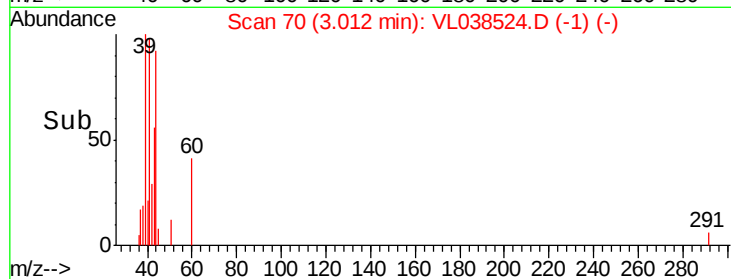
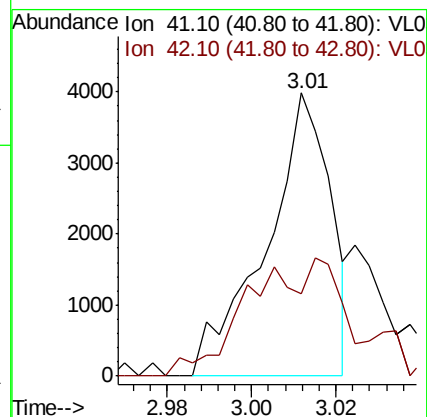
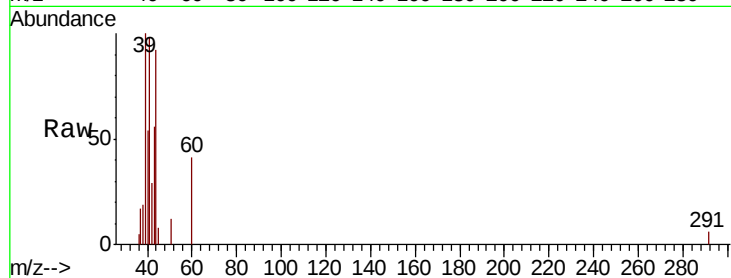
Acq: 3 Mar 2022 21:50 CAN 10326

Tot Ion: 41 Resp: 4243

Ion Ratio Lower Upper

41 100

42 70.5 54.6 82.0



#13

Ethanol

Concen: 0.740 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL038524.D

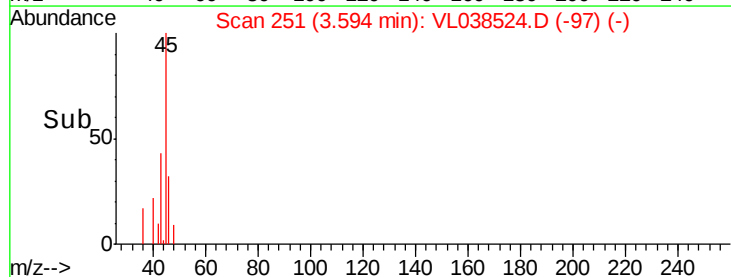
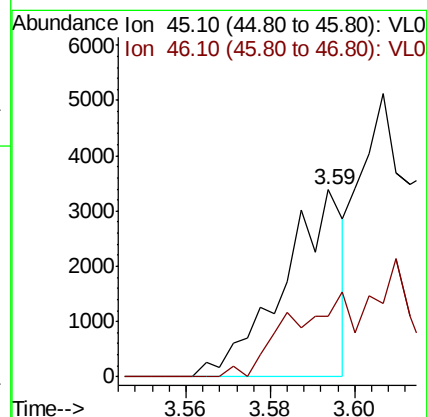
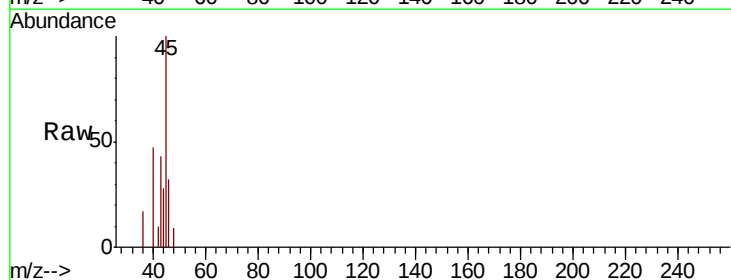
Acq: 3 Mar 2022 21:50

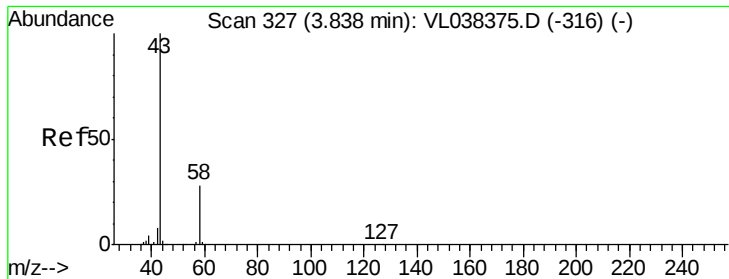
Tgt Ion: 45 Resp: 3360

Ion Ratio Lower Upper

45 100

46 0.0 18.2 72.8#





#15

Acetone

Concen: 0.113 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

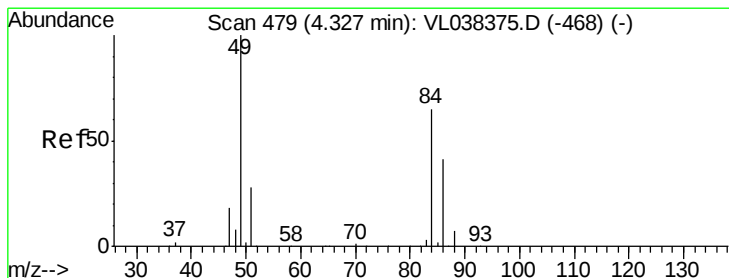
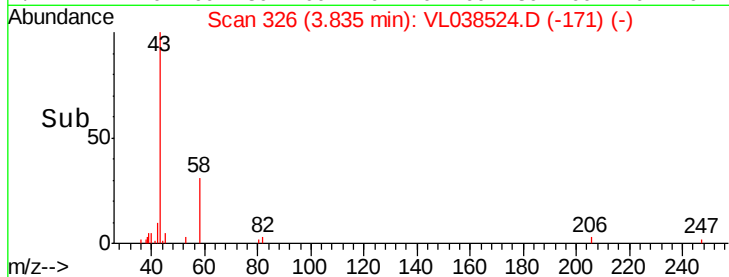
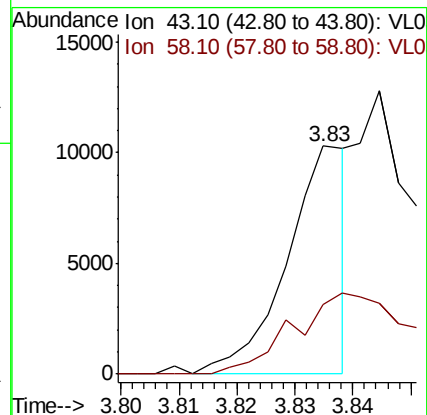
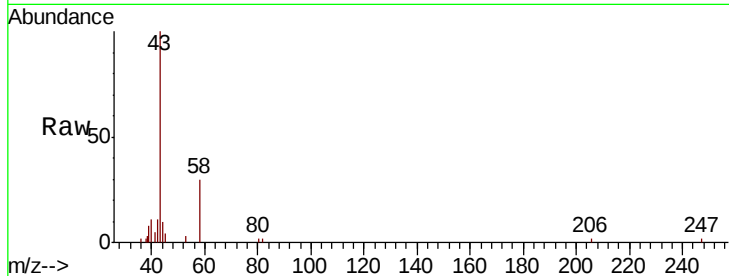
Acq: 3 Mar 2022 21:50

Tot Ion: 43 Resp: 7483

Ion Ratio Lower Upper

43 100

58 106.3 21.7 32.5#



#20

Methylene Chloride

Concen: 2.729 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL038524.D

Acq: 3 Mar 2022 21:50

Tgt Ion: 84 Resp: 89746

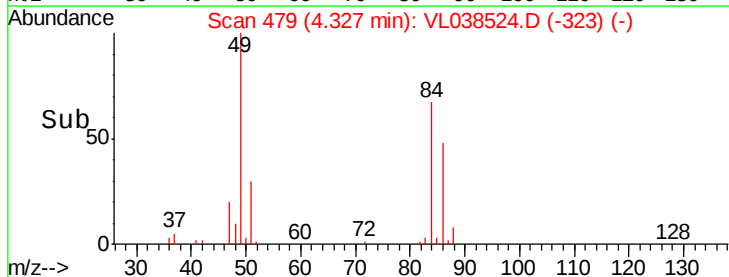
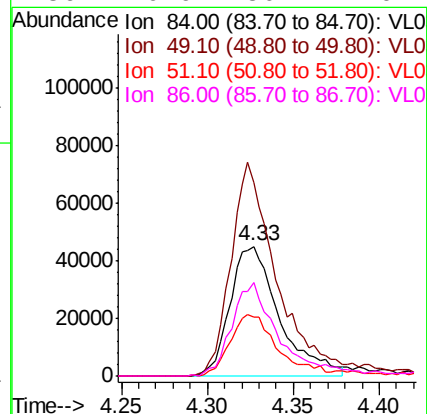
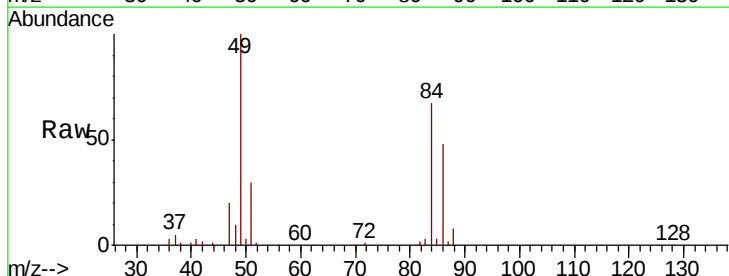
Ion Ratio Lower Upper

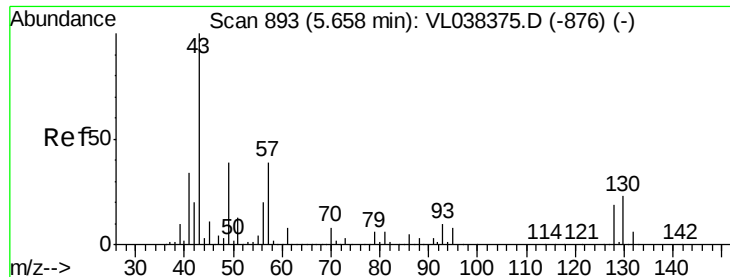
84 100

49 149.4 122.4 183.6

51 45.8 33.3 49.9

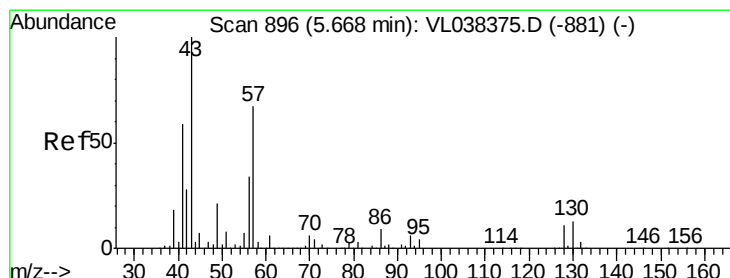
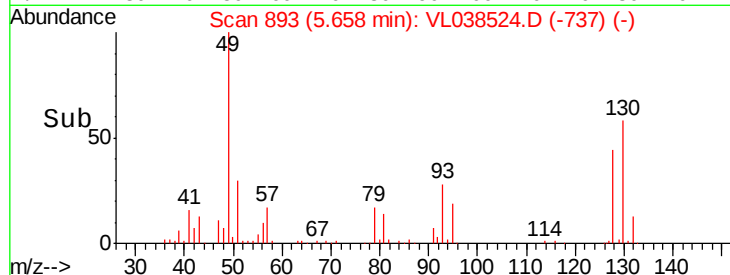
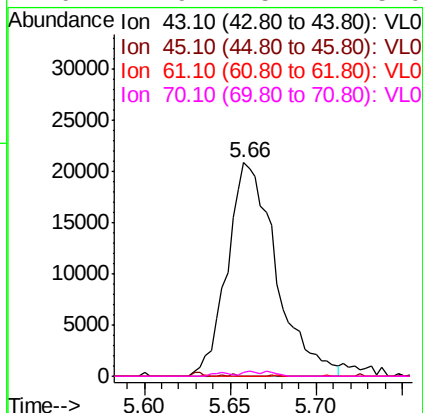
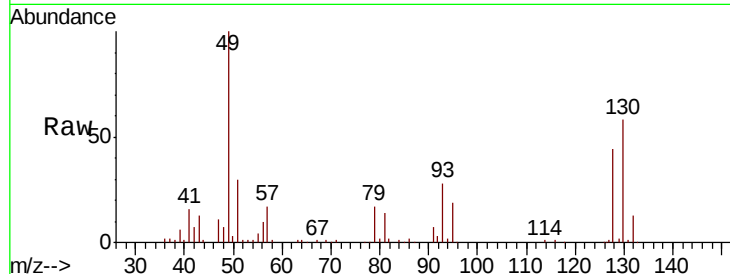
86 70.9 50.7 76.1





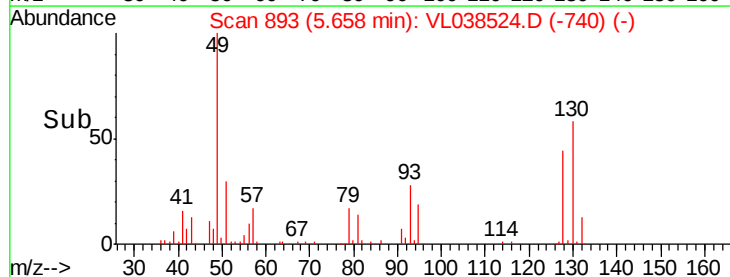
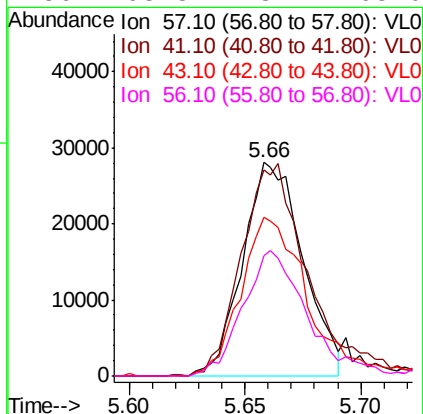
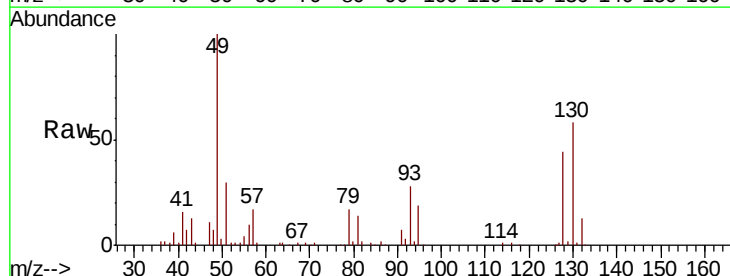
#25
Ethyl Acetate
Concen: 0.232 ppbv
RT: 5.66 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 21:50

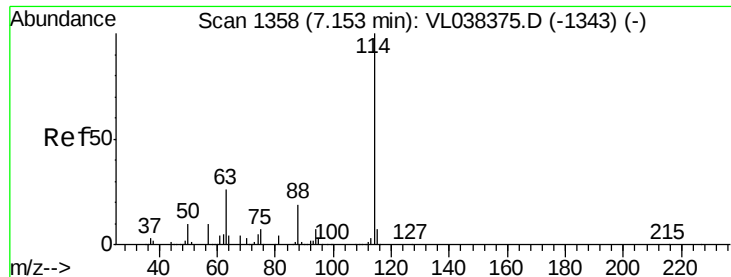
Tot Ion:	43	Resp:	41423
Ion	Ratio	Lower	Upper
43	100		
45	0.1	7.8	11.6#
61	0.0	7.5	11.3#
70	1.9	5.4	8.0#



#26
Hexane
Concen: 0.629 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL038524.D
Acq: 3 Mar 2022 21:50

Tgt Ion:	57	Resp:	50786
Ion	Ratio	Lower	Upper
57	100		
41	113.6	73.1	109.7#
43	84.1	181.0	271.4#
56	63.8	43.4	65.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 3 Mar 2022 21:50

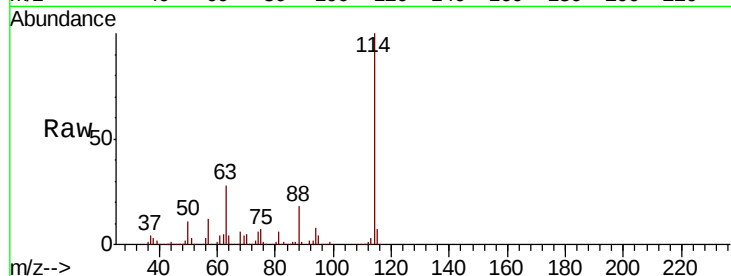
Tot Ion:114 Resp: 1687862

Ion Ratio Lower Upper

114 100

63 29.1 22.2 33.2

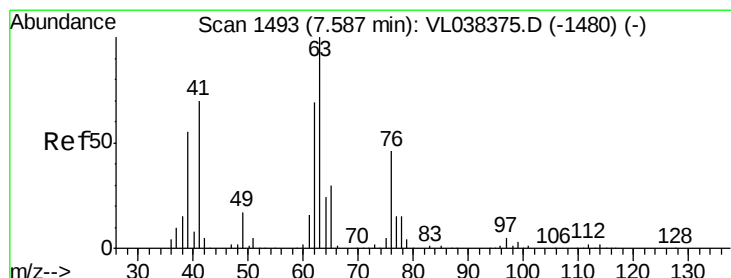
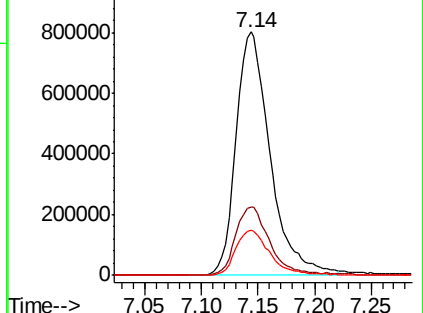
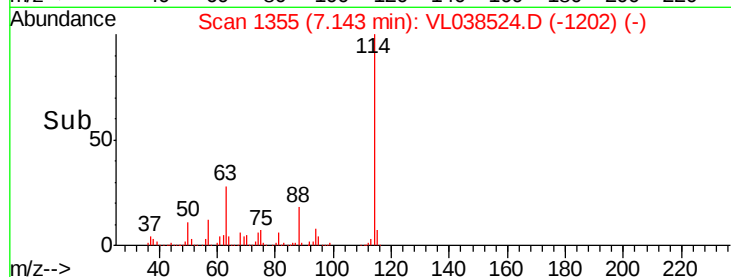
88 18.9 15.2 22.8



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



#39

1,2-Dichloropropane

Concen: 8.007 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. -0.44 min

Lab File: VL038524.D

Acq: 3 Mar 2022 21:50

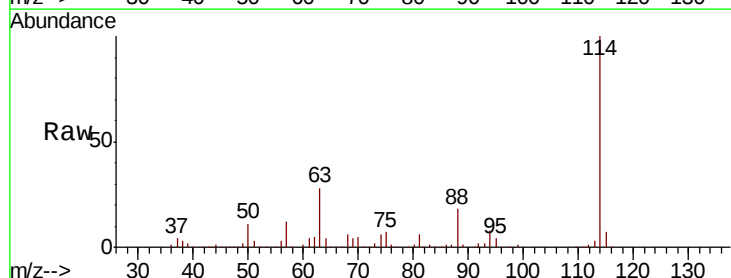
Tgt Ion: 63 Resp: 473890

Ion Ratio Lower Upper

63 100

41 0.1 56.1 84.1#

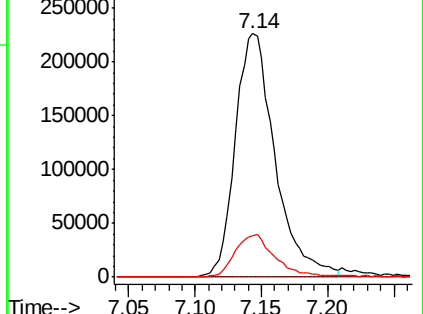
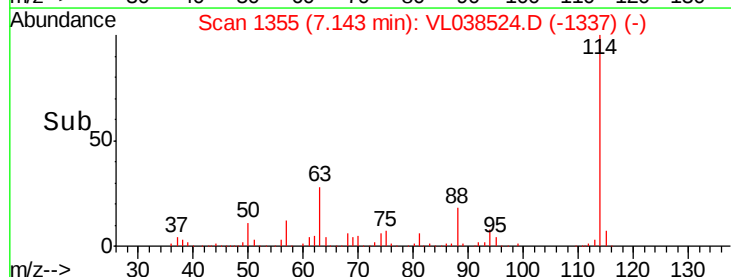
62 17.2 55.5 83.3#

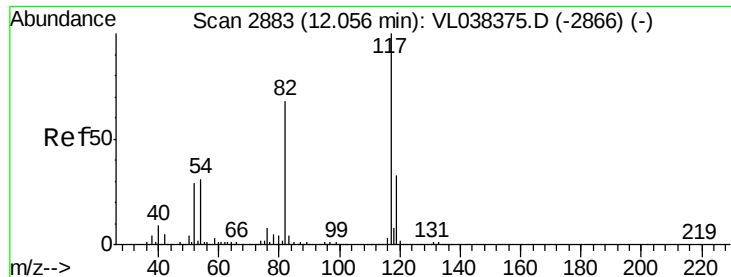


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

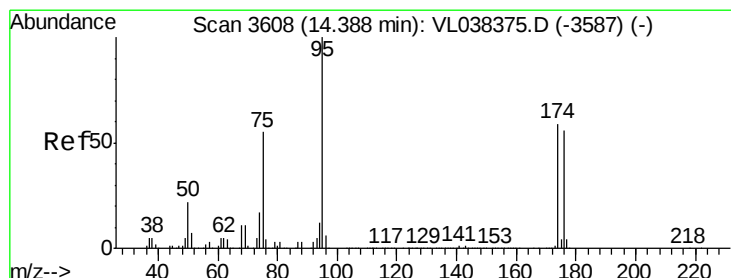
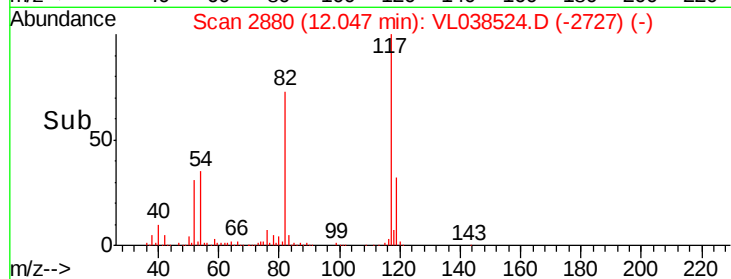
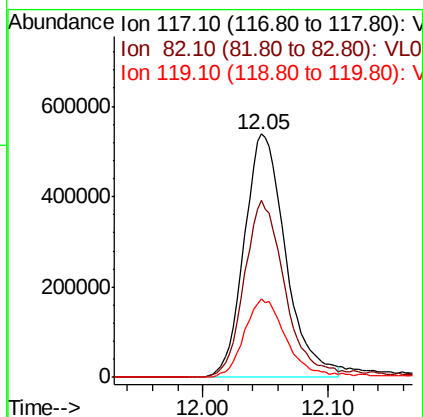
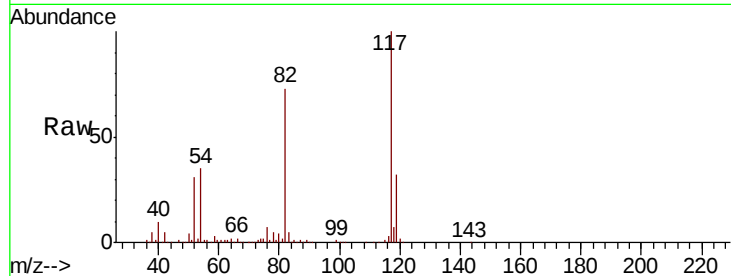
Ion 62.10 (61.80 to 62.80): VL0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
CAN 10326
Acq: 3 Mar 2022 21:50

Tot Ion: 117 Resp: 1236868
Ion Ratio Lower Upper
117 100
82 75.9 54.9 82.3
119 33.1 46.1 69.1#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.250 ppbv
RT: 14.38 min Scan# 3605
Delta R.T.: -0.01 min
Lab File: VL038524.D
Acq: 3 Mar 2022 21:50

Tgt Ion: 95 Resp: 1048977
Ion Ratio Lower Upper
95 100
174 60.7 49.0 73.4
175 4.3 3.6 5.4

