

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
 Data File : VL038459.D
 Acq On : 1 Mar 2022 20:29
 Operator : SY/AP
 Sample : N1720-03DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Mar 02 03:07:19 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	5.67	49	863819	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	2016724	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	1684992	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1272626	9.13	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.30%

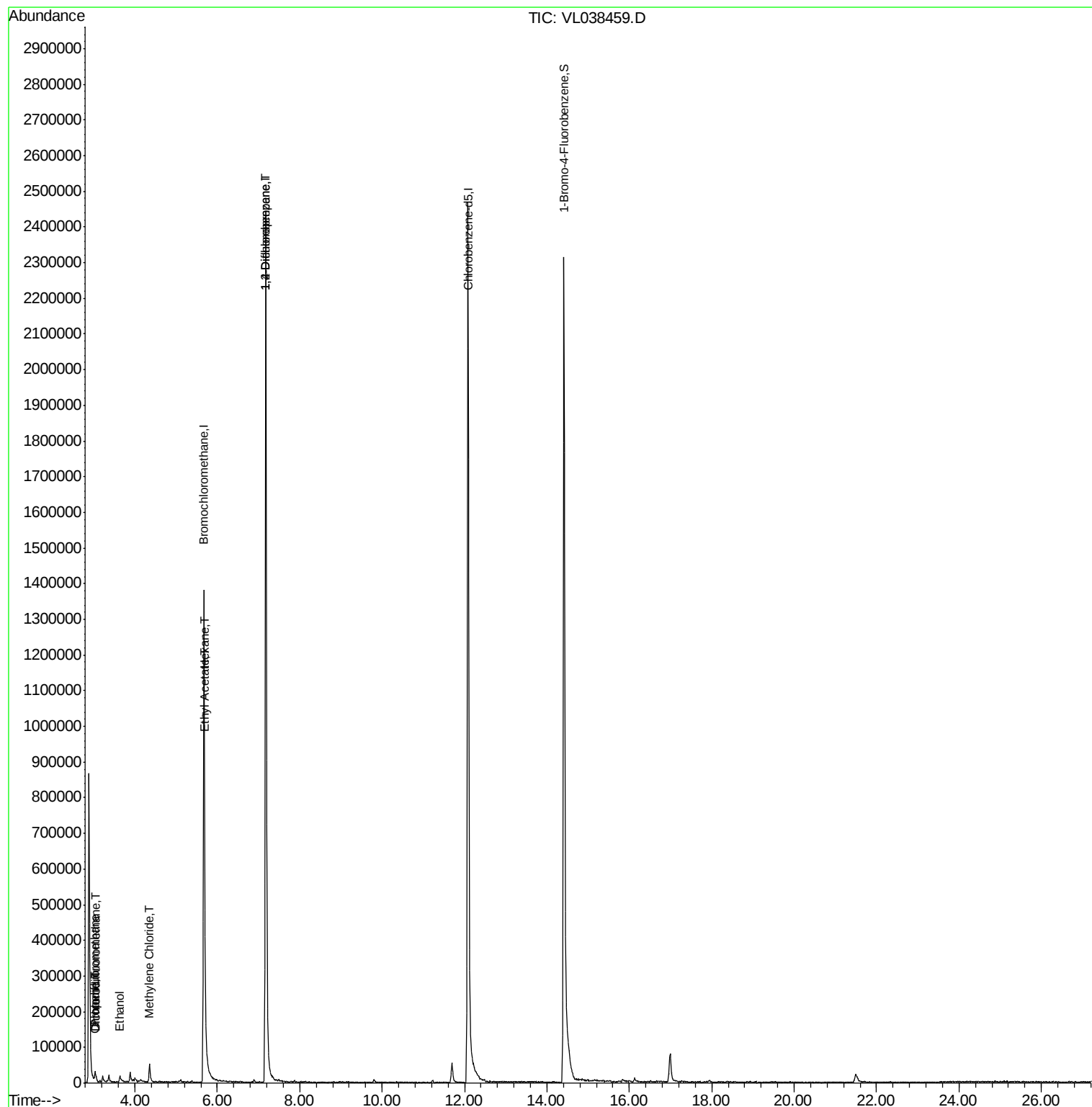
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	7213	0.05	ppbv #	81
3) Chlorodifluoromethane	3.01	51	16438	0.11	ppbv #	80
9) Propene	3.03	41	7331	0.15	ppbv	98
13) Ethanol	3.63	45	7559	1.50	ppbv #	31
20) Methylene Chloride	4.36	84	16469	0.45	ppbv #	83
25) Ethyl Acetate	5.70	43	9597	0.05	ppbv #	77
26) Hexane	5.69	57	11995	0.13	ppbv #	45
39) 1,2-Dichloropropane	7.18	63	546132	7.72	ppbv #	25

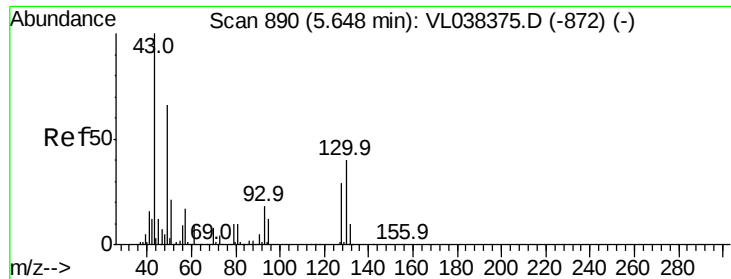
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA1DL

Acq: 1 Mar 2022 20:29

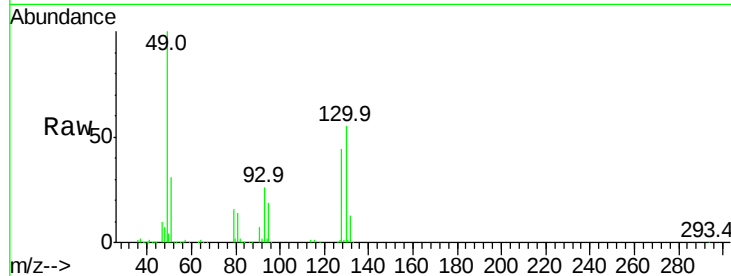
Tgt Ion: 49 Resp: 863819

Ion Ratio Lower Upper

49 100

128 46.8 24.3 72.9

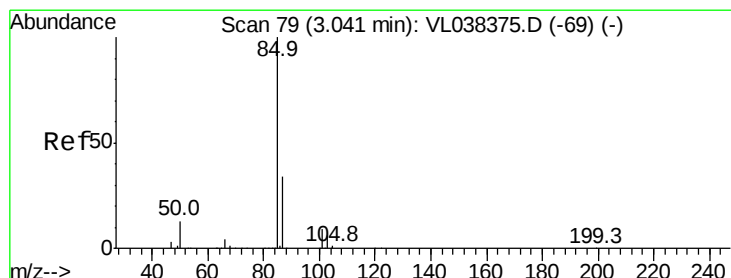
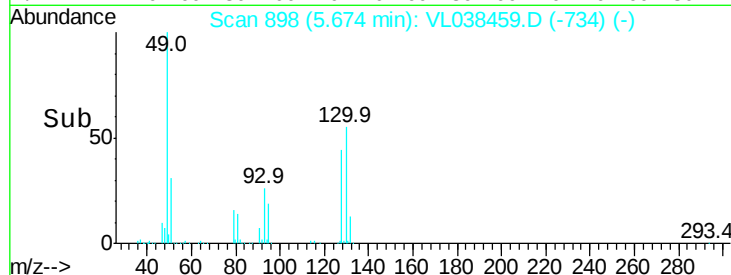
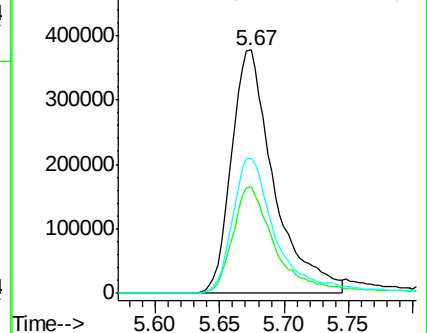
130 58.9 30.1 90.5



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: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL038459.D

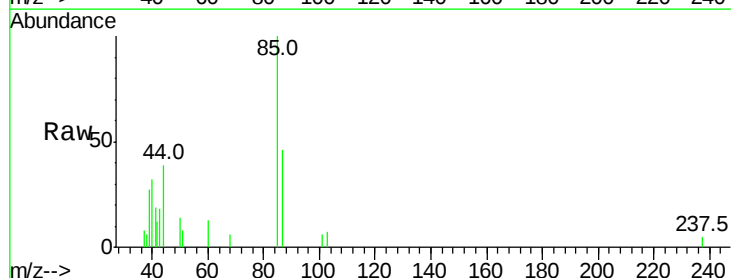
Acq: 1 Mar 2022 20:29

Tgt Ion: 85 Resp: 7213

Ion Ratio Lower Upper

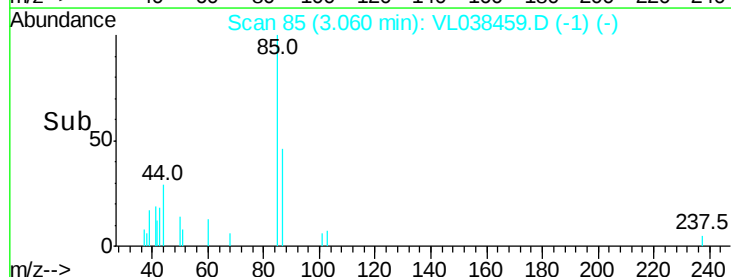
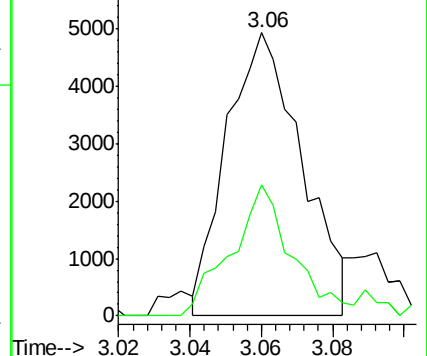
85 100

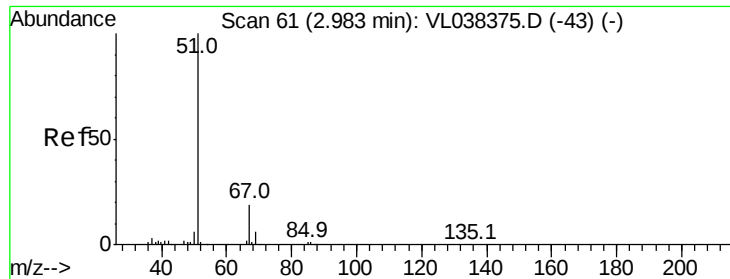
87 44.9 27.4 41.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.11 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

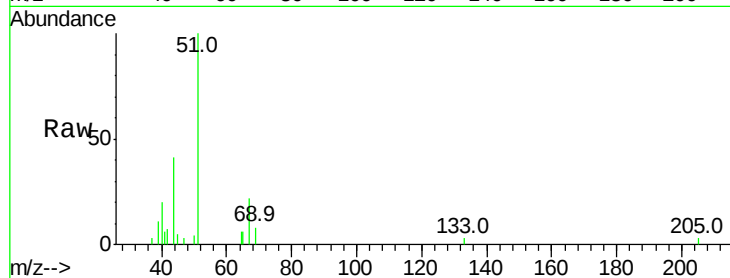
Acq: 1 Mar 2022 20:29

Tgt Ion: 51 Resp: 16438

Ion Ratio Lower Upper

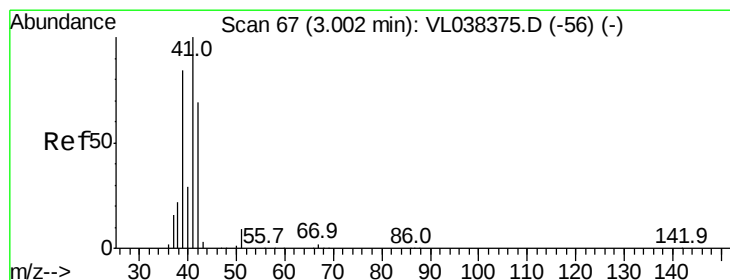
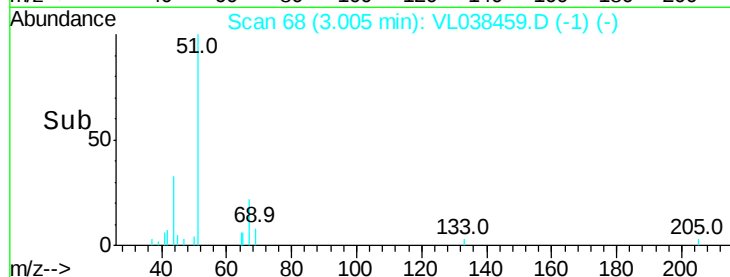
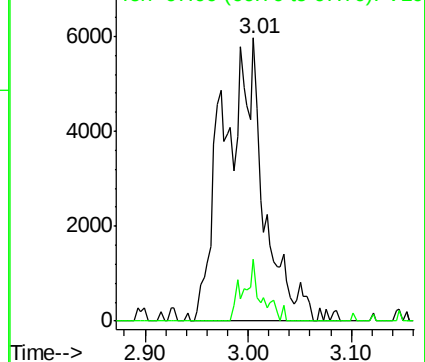
51 100

67 9.4 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.15 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL038459.D

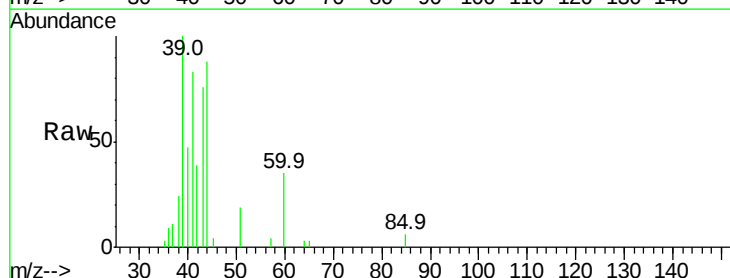
Acq: 1 Mar 2022 20:29

Tgt Ion: 41 Resp: 7331

Ion Ratio Lower Upper

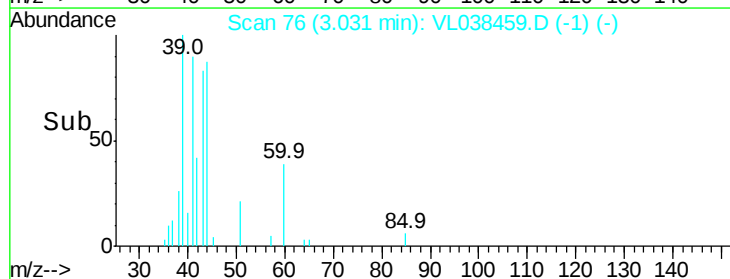
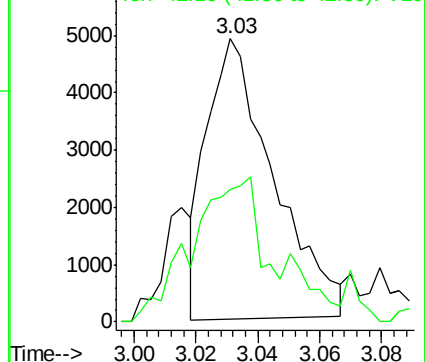
41 100

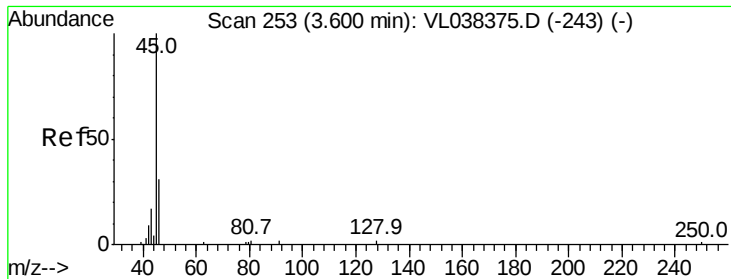
42 70.3 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 1.50 ppbv

RT: 3.63 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA1DL

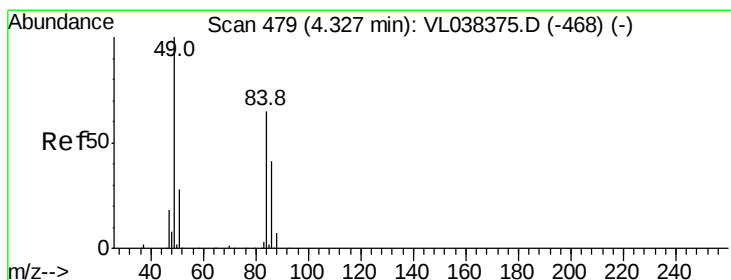
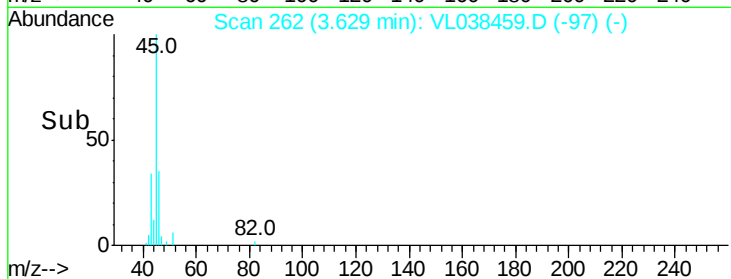
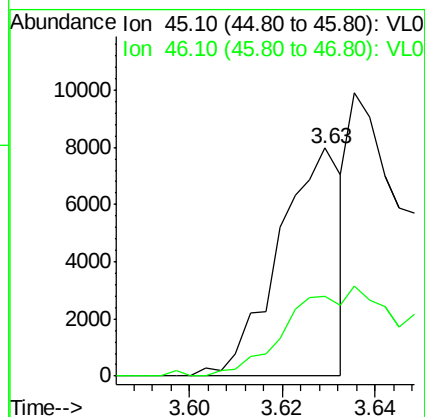
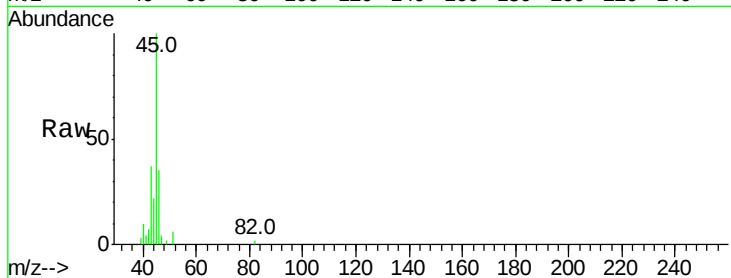
Acq: 1 Mar 2022 20:29

Tgt Ion: 45 Resp: 7559

Ion Ratio Lower Upper

45 100

46 0.0 18.2 72.8#



#20

Methylene Chloride

Concen: 0.45 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL038459.D

Acq: 1 Mar 2022 20:29

Tgt Ion: 84 Resp: 16469

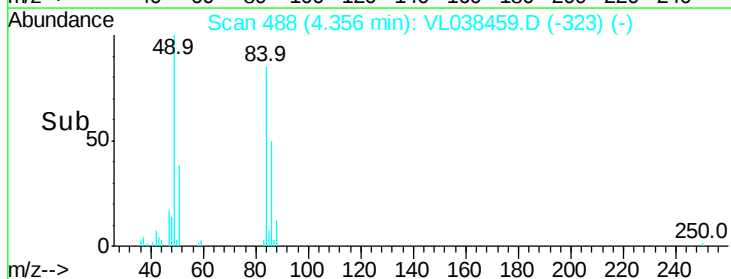
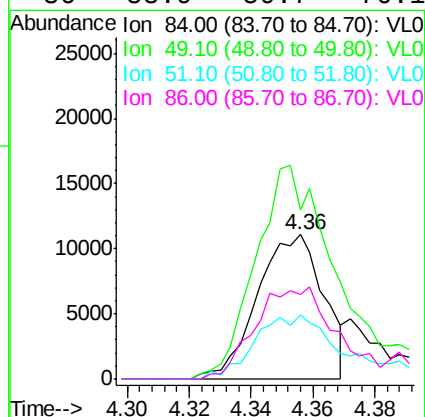
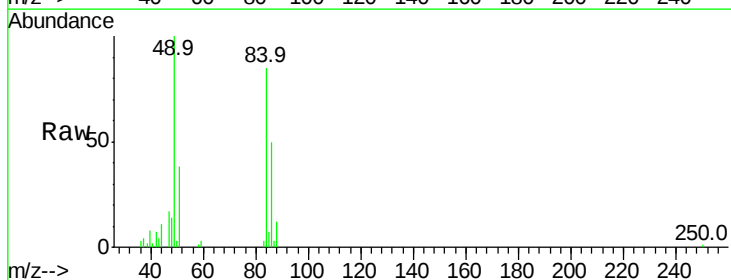
Ion Ratio Lower Upper

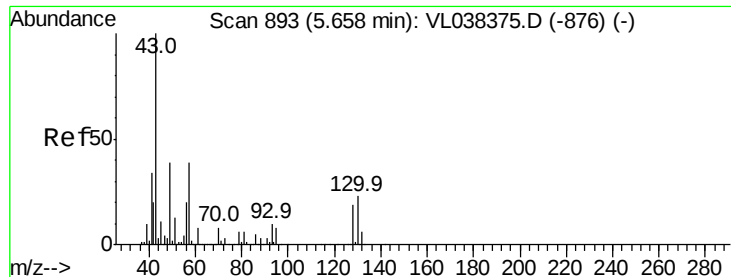
84 100

49 120.5 122.4 183.6#

51 44.4 33.3 49.9

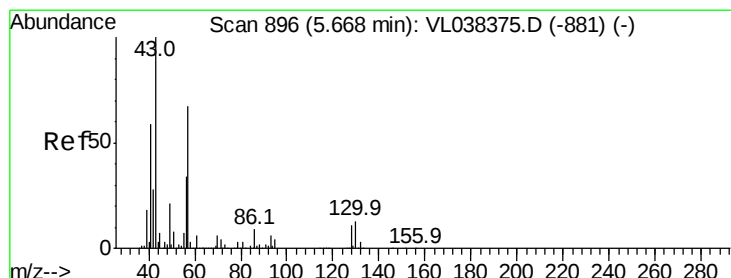
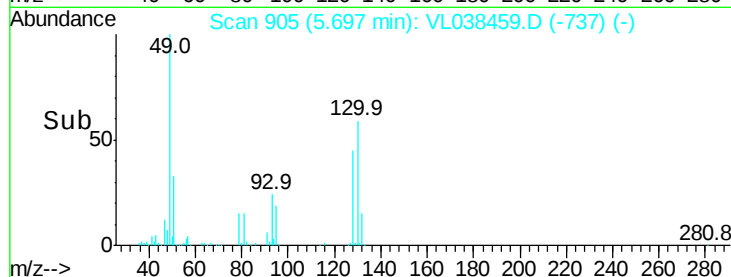
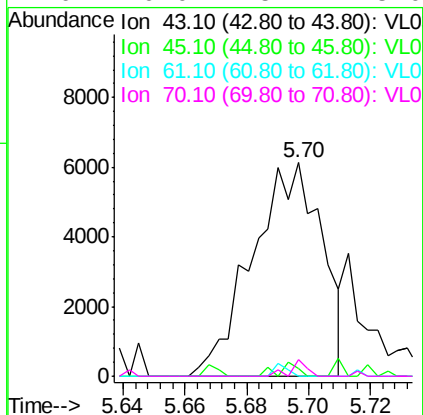
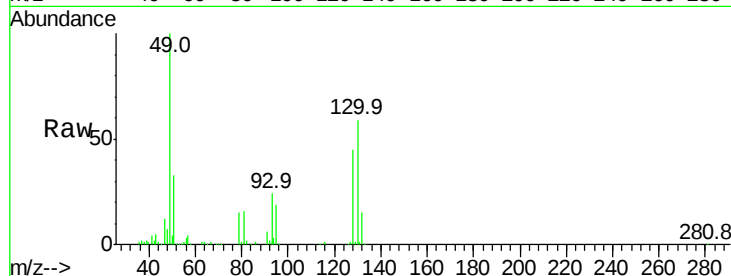
86 58.9 50.7 76.1





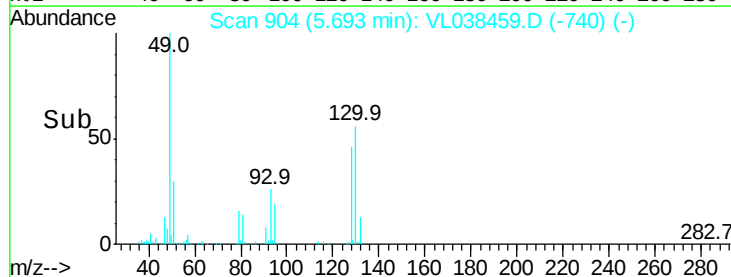
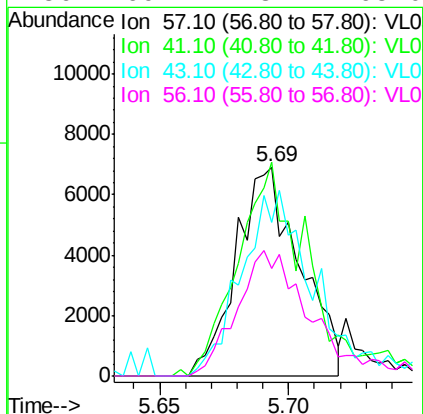
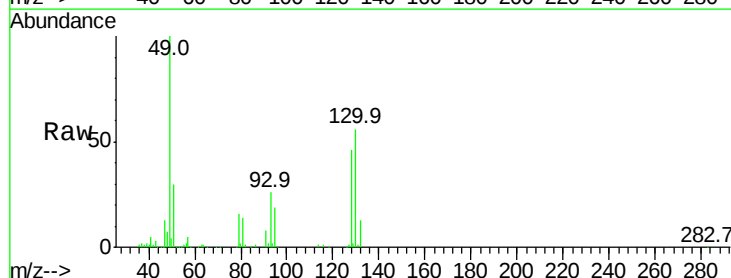
#25
Ethyl Acetate
Concen: 0.05 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 1 Mar 2022 20:29

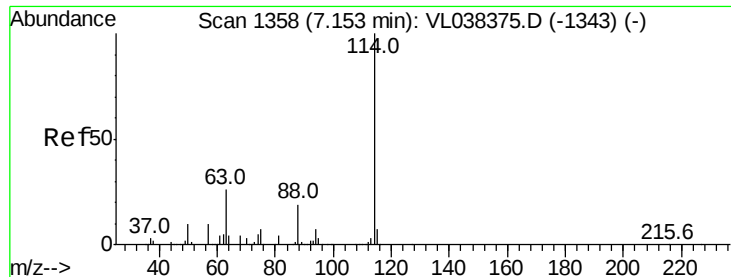
Tgt Ion:	43	Resp:	9597
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	1.1	7.5	11.3#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.13 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL038459.D
Acq: 1 Mar 2022 20:29

Tgt Ion:	57	Resp:	11995
Ion	Ratio	Lower	Upper
57	100		
41	113.7	73.1	109.7#
43	101.3	181.0	271.4#
56	69.2	43.4	65.0#

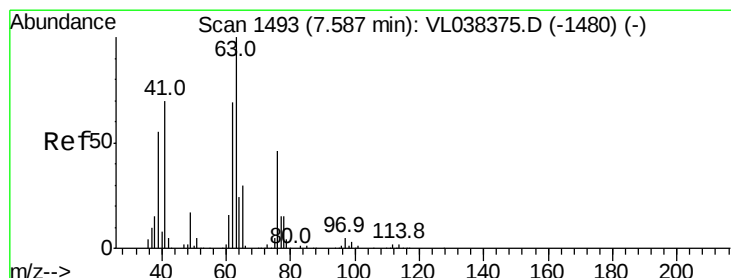
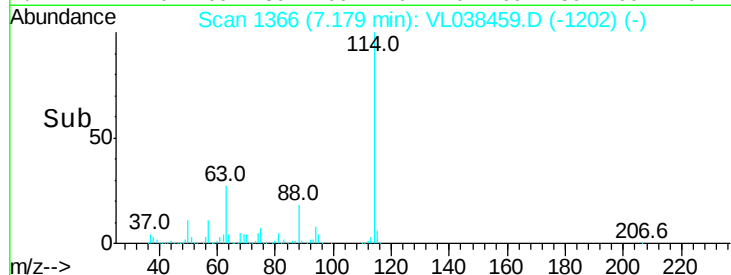
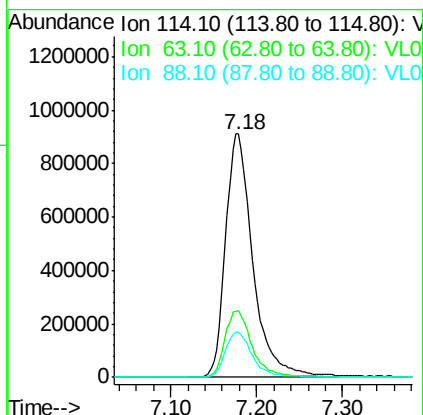
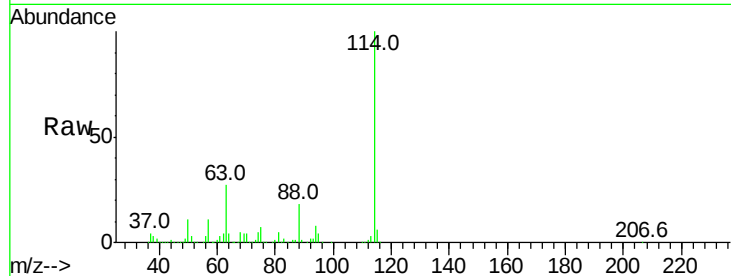




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 1 Mar 2022 20:29

Tgt Ion: 114 Resp: 2016724

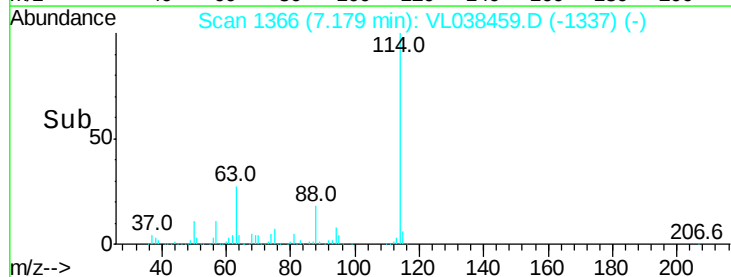
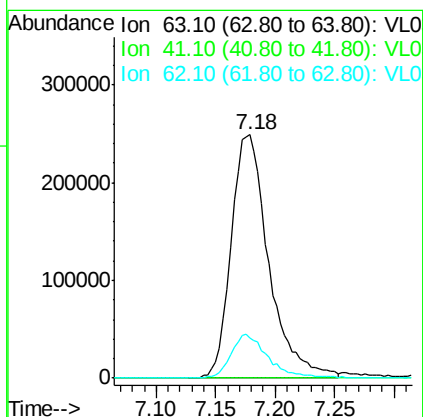
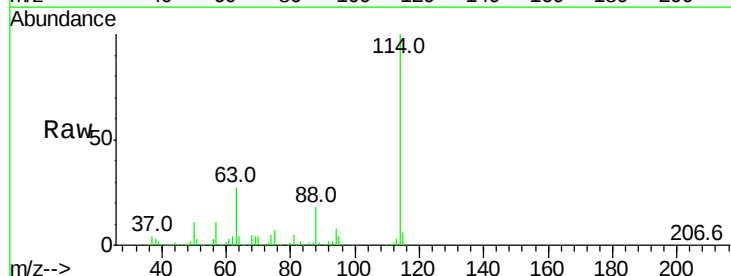
Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.2	33.2
88	18.9	15.2	22.8

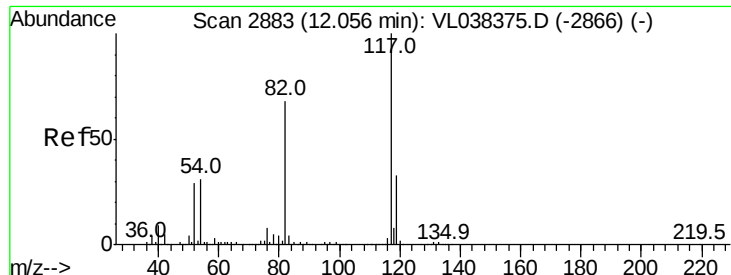


#39
 1,2-Dichloropropane
 Concen: 7.72 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.41 min
 Lab File: VL038459.D
 Acq: 1 Mar 2022 20:29

Tgt Ion: 63 Resp: 546132

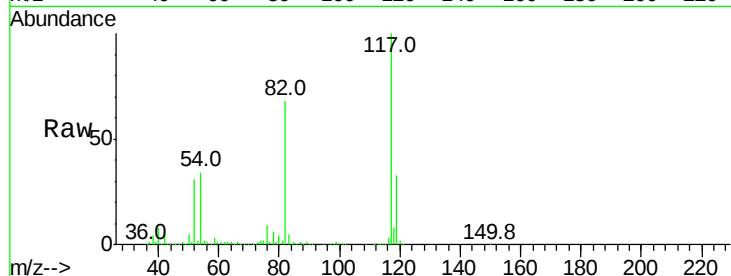
Ion	Ratio	Lower	Upper
63	100		
41	0.2	56.1	84.1#
62	16.4	55.5	83.3#



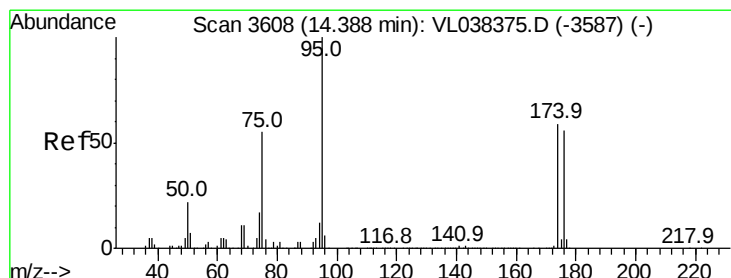
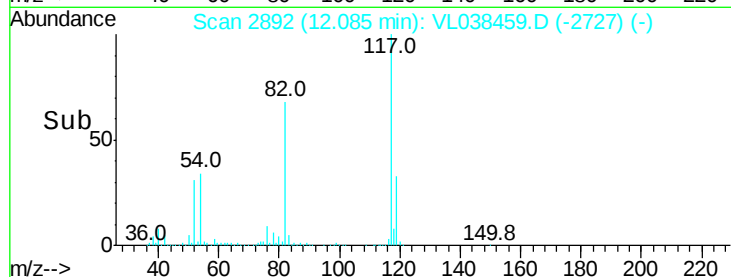
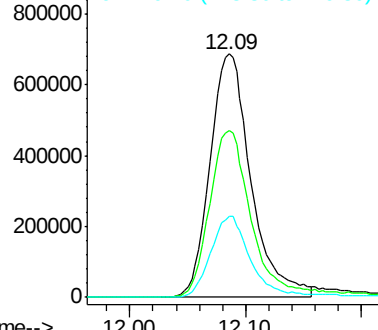


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 1 Mar 2022 20:29

Tgt Ion: 117 Resp: 1684992
Ion Ratio Lower Upper
117 100
82 74.7 54.9 82.3
119 33.3 46.1 69.1#

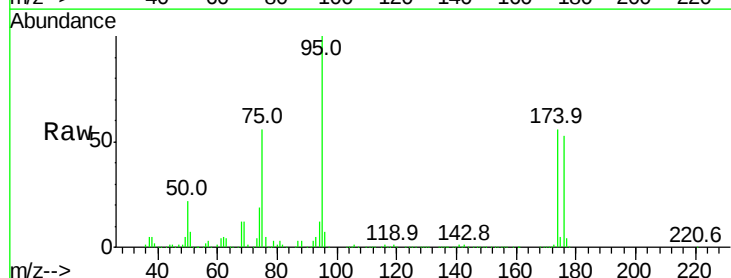


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.13 ppbv
RT: 14.42 min Scan# 3617
Delta R.T.: 0.03 min
Lab File: VL038459.D
Acq: 1 Mar 2022 20:29

Tgt Ion: 95 Resp: 1272626
Ion Ratio Lower Upper
95 100
174 64.3 49.0 73.4
175 4.5 3.6 5.4



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

