

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110121\
 Data File : VL037957.D
 Acq On : 2 Nov 2021 3:29
 Operator : SY/AP
 Sample : M4425-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Nov 02 06:09:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 02 05:54:07 2021
 QLast Update : Tue Nov 02 05:54:07 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1423475	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4061088	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	3582100	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2485582	9.55	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.50%

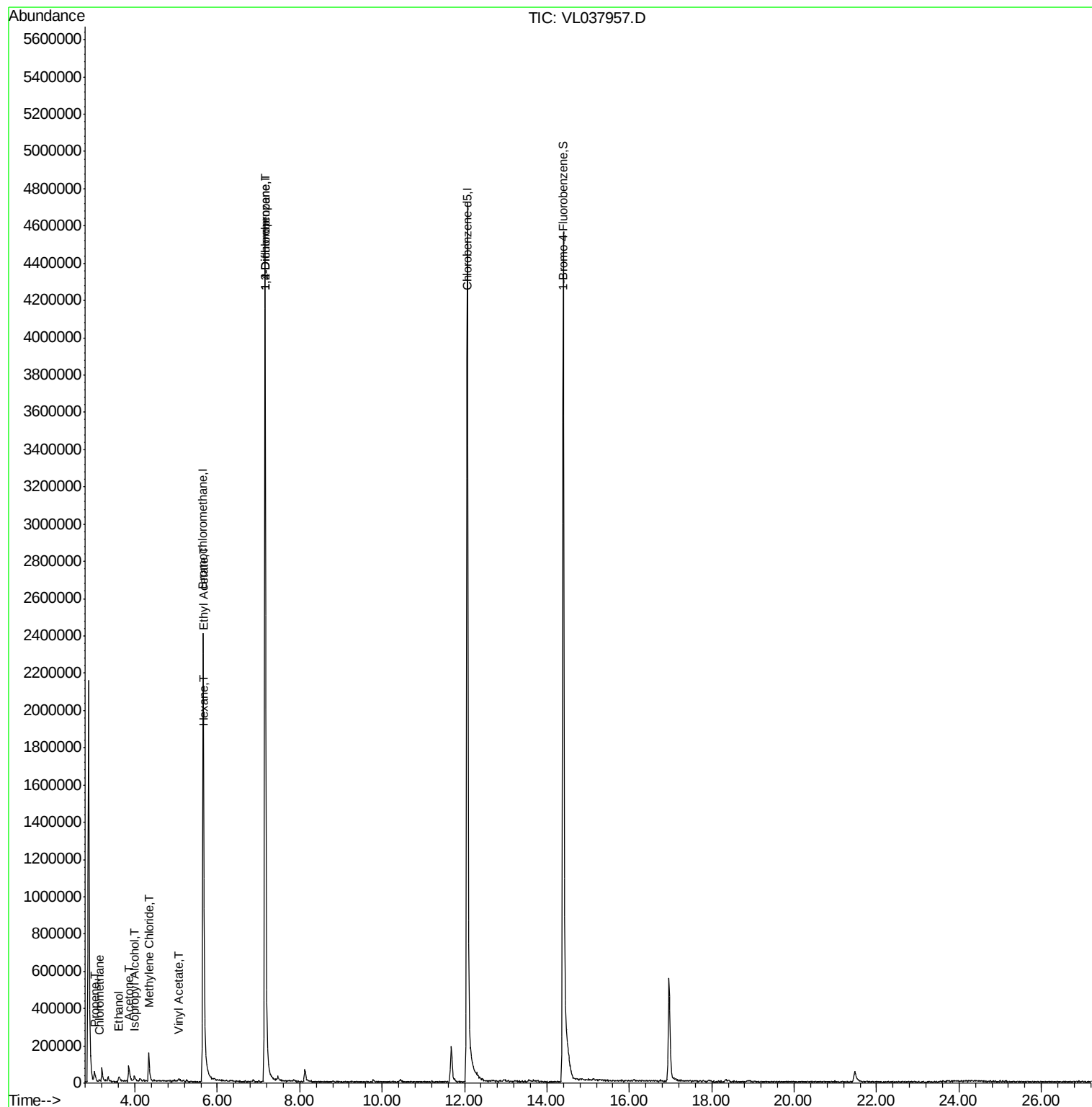
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.13	50	4174	0.041	ppbv #	42
9) Propene	3.02	41	7787	0.082	ppbv #	17
13) Ethanol	3.61	45	15638	1.632	ppbv #	1
15) Acetone	3.85	43	95585	0.813	ppbv #	82
19) Isopropyl Alcohol	3.98	45	9971	0.133	ppbv #	77
20) Methylene Chloride	4.33	84	31886	0.494	ppbv	93
23) Vinyl Acetate	5.06	43	7163	0.040	ppbv #	62
25) Ethyl Acetate	5.67	43	10753	0.031	ppbv #	74
26) Hexane	5.68	57	26698	0.161	ppbv #	48
39) 1,2-Dichloropropane	7.16	63	964600	7.752	ppbv #	29

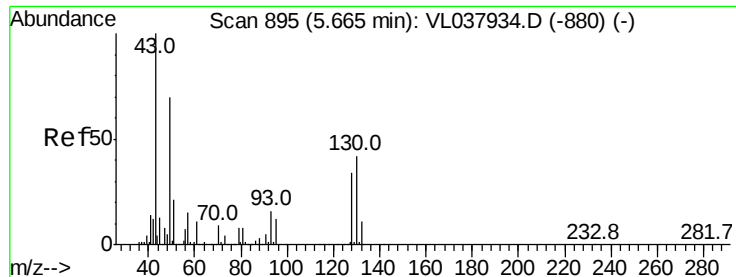
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110121\
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QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA1DL

Acq: 2 Nov 2021 3:29

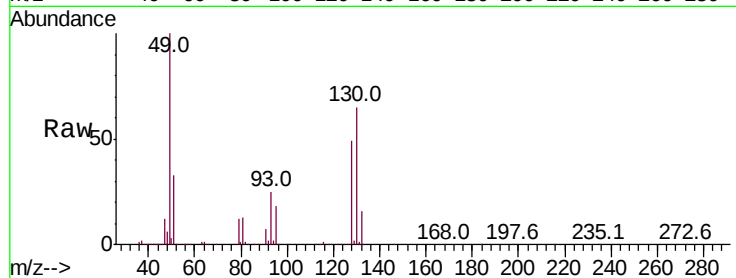
Tot Ion: 49 Resp: 1423475

Ion Ratio Lower Upper

49 100

128 52.3 27.0 81.0

130 67.2 33.4 100.2



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

800000

600000

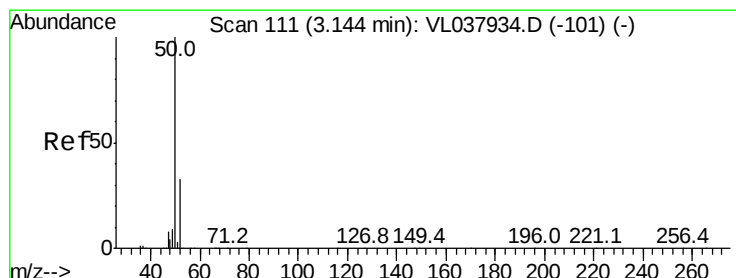
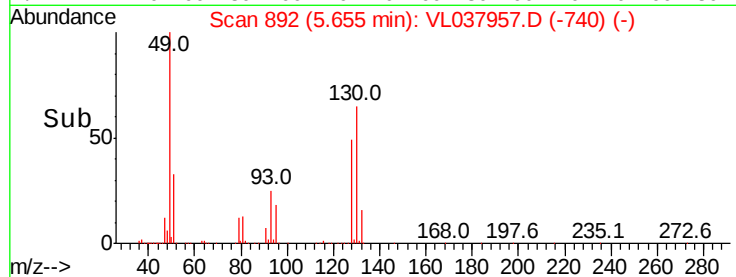
400000

200000

0

5.55 5.60 5.65 5.70 5.75

Time-->



#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037957.D

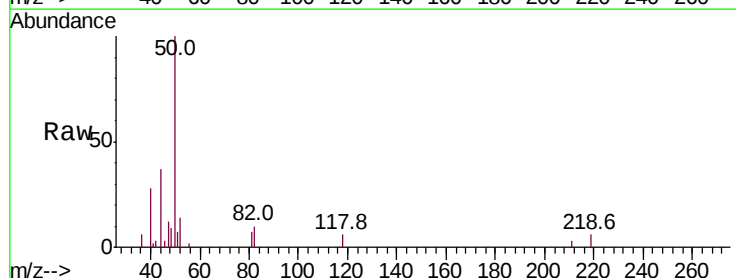
Acq: 2 Nov 2021 3:29

Tgt Ion: 50 Resp: 4174

Ion Ratio Lower Upper

50 100

52 0.0 26.3 39.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

6000

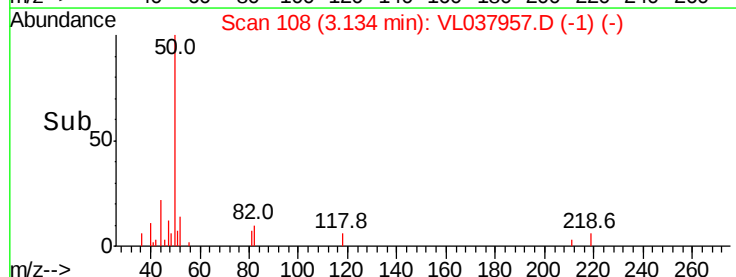
4000

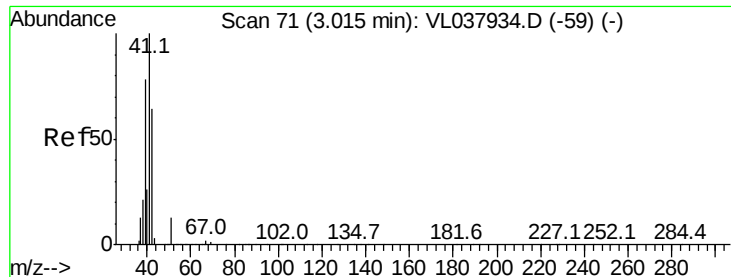
2000

0

3.13 3.13 3.13 3.14 3.15

Time-->





#9

Propene

Concen: 0.082 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

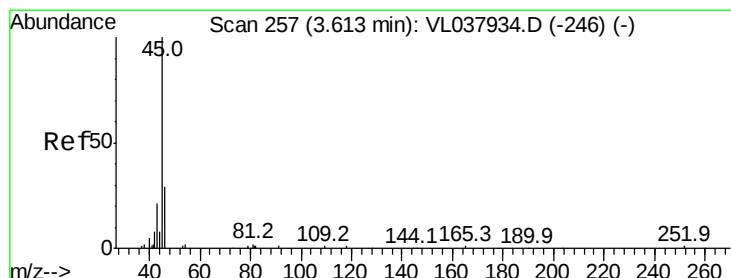
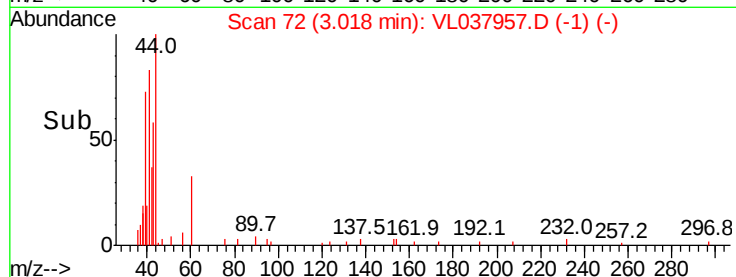
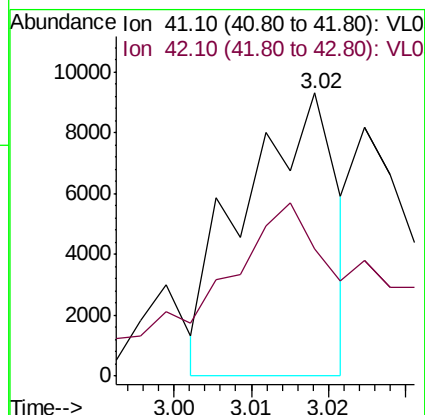
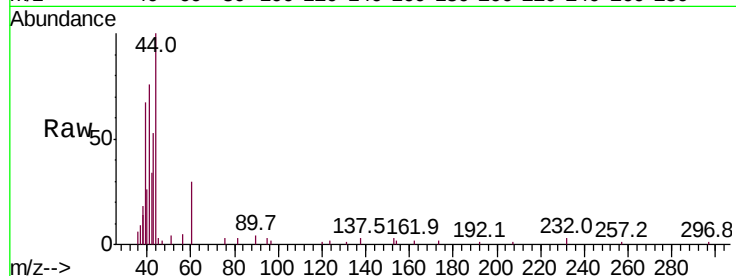
Acq: 2 Nov 2021 3:29

Tot Ion: 41 Resp: 7787

Ion Ratio Lower Upper

41 100

42 141.5 57.6 86.4#



#13

Ethanol

Concen: 1.632 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.01 min

Lab File: VL037957.D

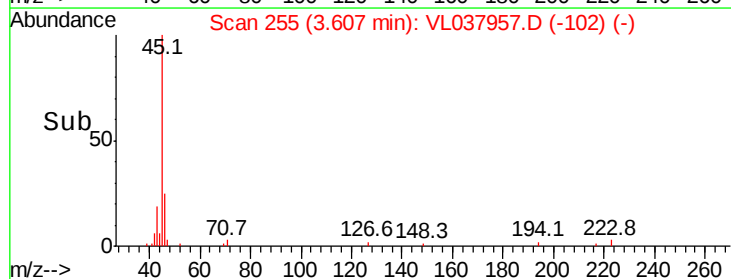
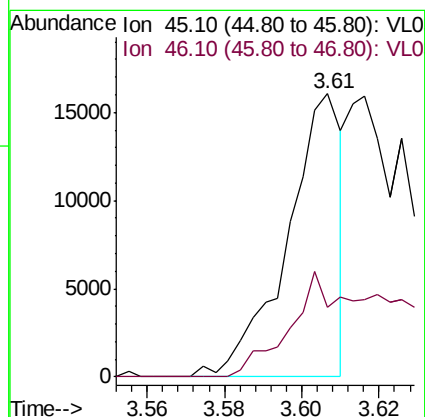
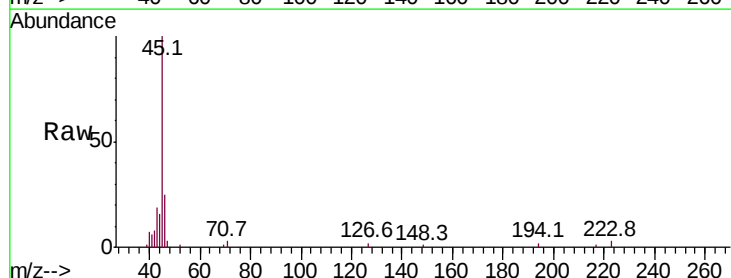
Acq: 2 Nov 2021 3:29

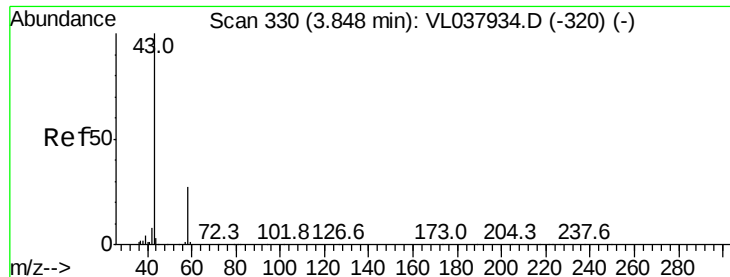
Tgt Ion: 45 Resp: 15638

Ion Ratio Lower Upper

45 100

46 109.1 17.4 69.8#





#15

Acetone

Concen: 0.813 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

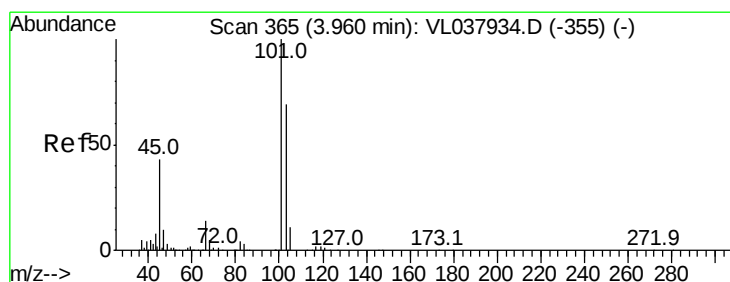
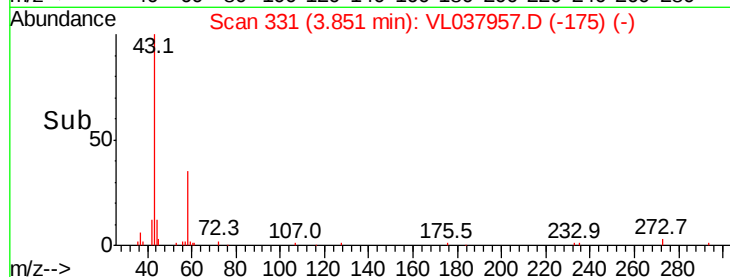
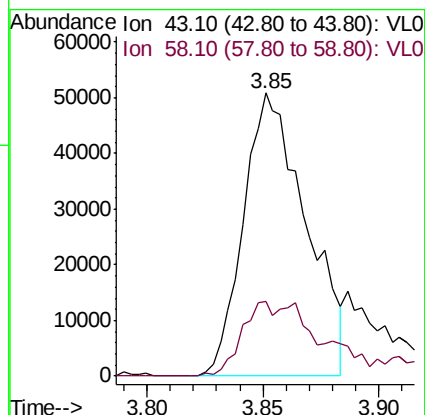
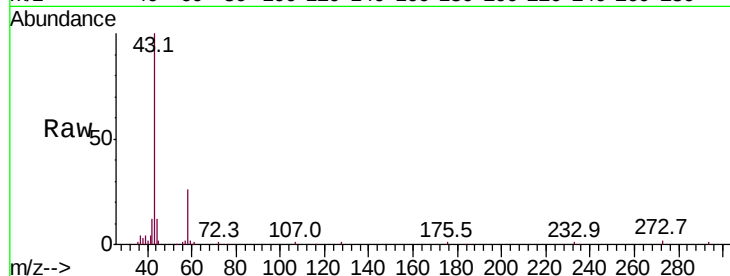
Acq: 2 Nov 2021 3:29

Tot Ion: 43 Resp: 95585

Ion Ratio Lower Upper

43 100

58 38.6 23.3 34.9#



#19

Isopropyl Alcohol

Concen: 0.133 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL037957.D

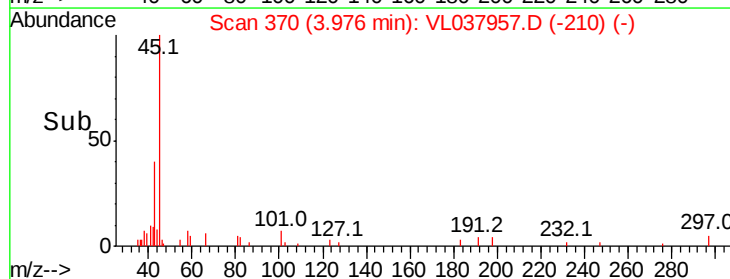
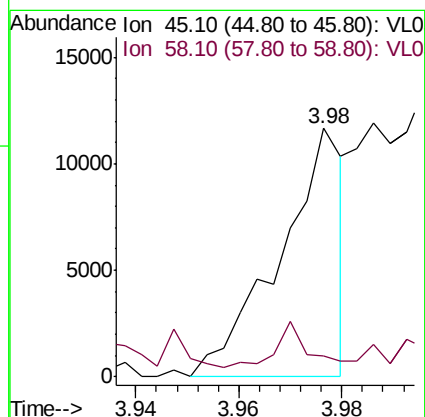
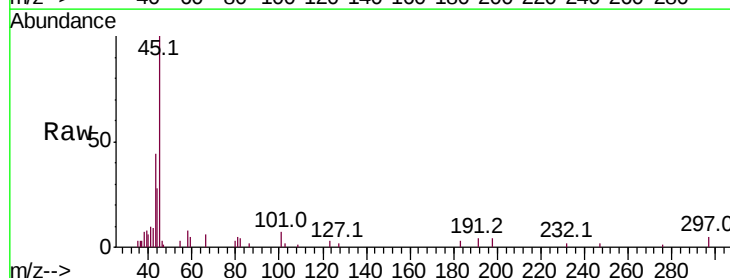
Acq: 2 Nov 2021 3:29

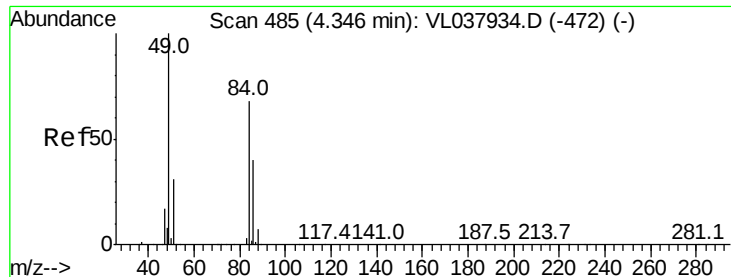
Tgt Ion: 45 Resp: 9971

Ion Ratio Lower Upper

45 100

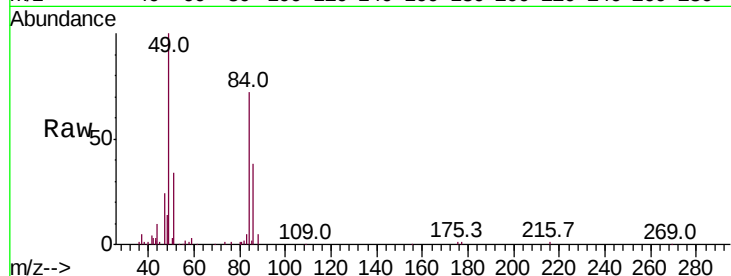
58 12.5 4.0 6.0#



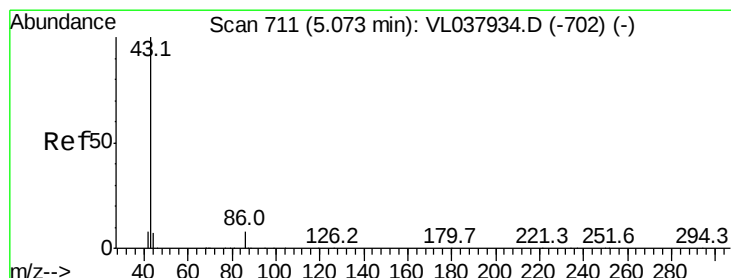
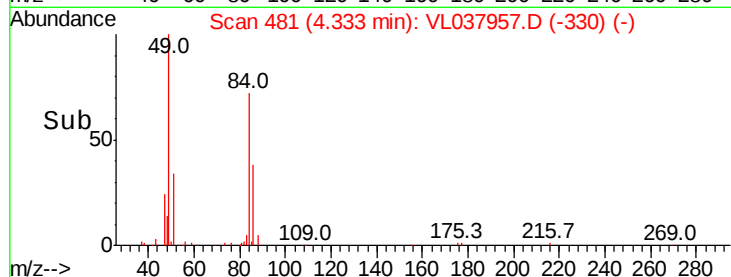
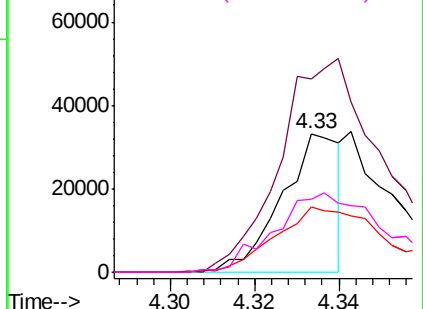


#20
Methylene Chloride
Concen: 0.494 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 3:29

Tot Ion:	84	Resp:	31886
Ion	Ratio	Lower	Upper
84	100		
49	138.2	117.5	176.3
51	46.8	35.9	53.9
86	52.2	47.3	70.9

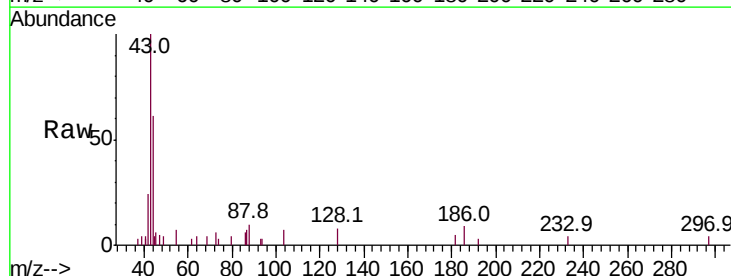


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

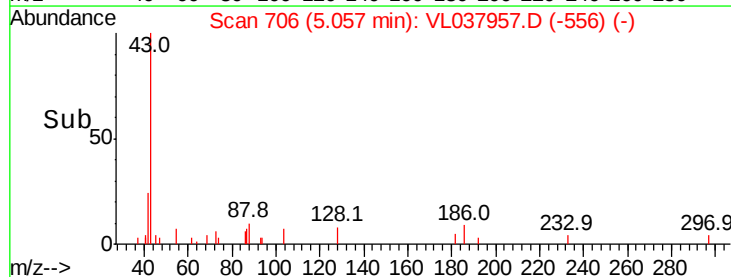
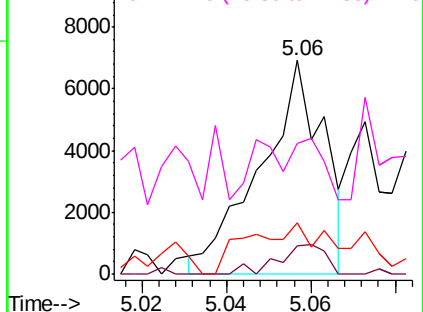


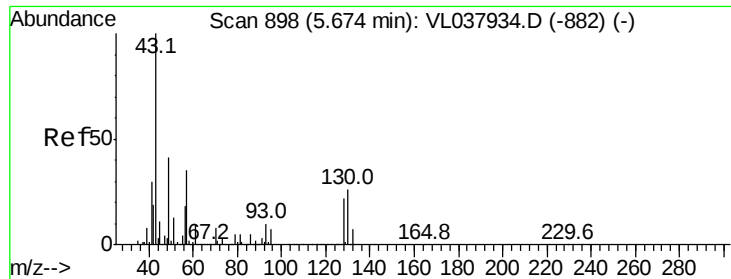
#23
Vinyl Acetate
Concen: 0.040 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.02 min
Lab File: VL037957.D
Acq: 2 Nov 2021 3:29

Tgt Ion:	43	Resp:	7163
Ion	Ratio	Lower	Upper
43	100		
86	14.1	5.5	8.3#
42	17.0	7.4	11.2#
44	34.1	4.7	7.1#



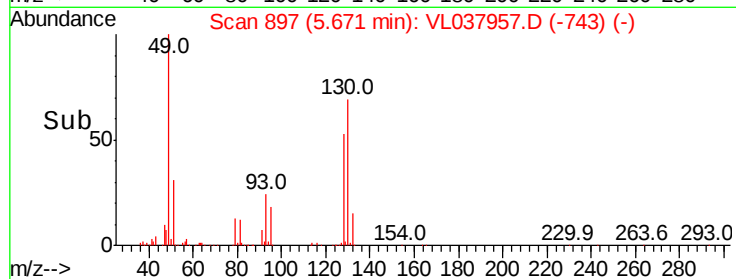
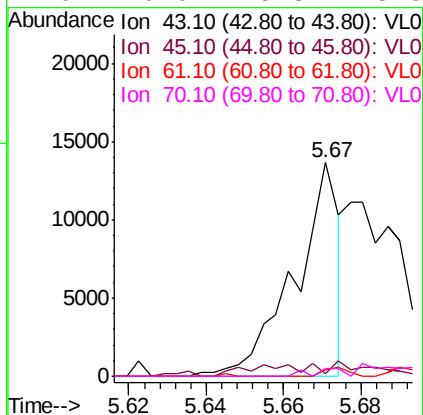
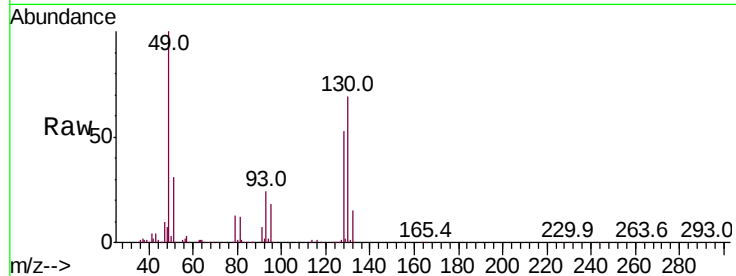
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





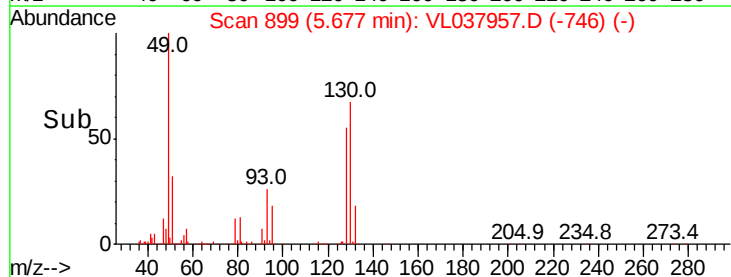
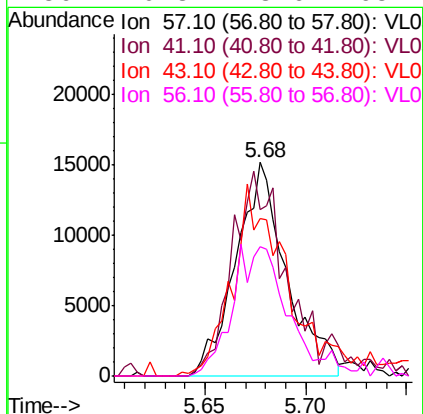
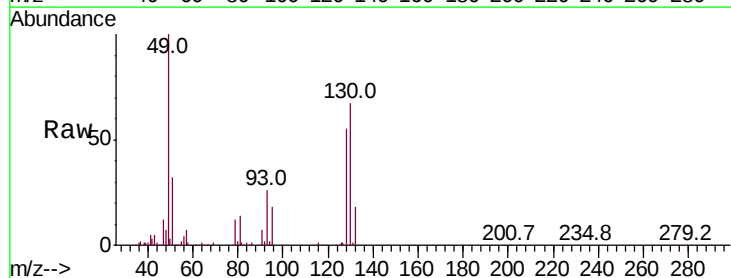
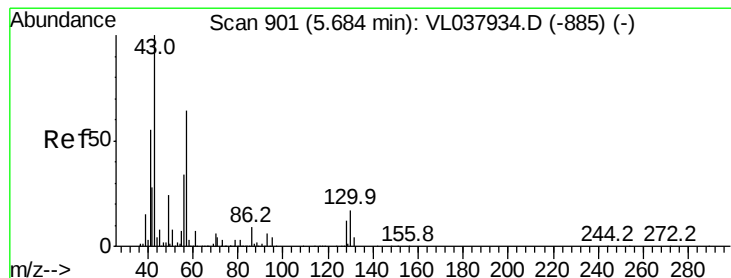
#25
Ethyl Acetate
Concen: 0.031 ppbv
RT: 5.67
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 2 Nov 2021 3:29

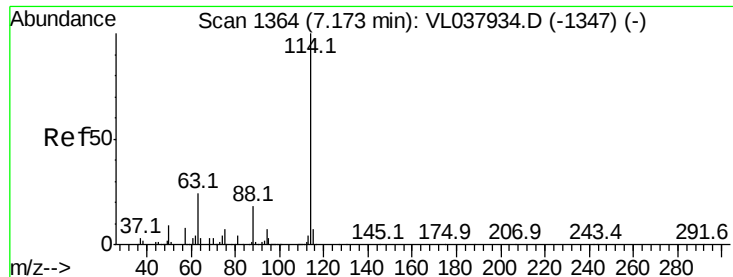
Tot Ion:	43	Resp:	10753
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.1	12.1#
61	0.0	8.1	12.1#
70	0.0	5.8	8.6#



#26
Hexane
Concen: 0.161 ppbv
RT: 5.68 min Scan# 899
Delta R.T.: -0.01 min
Lab File: VL037957.D
Acq: 2 Nov 2021 3:29

Tgt Ion:	57	Resp:	26698
Ion	Ratio	Lower	Upper
57	100		
41	109.2	71.0	106.6#
43	101.7	173.0	259.6#
56	70.3	43.6	65.4#

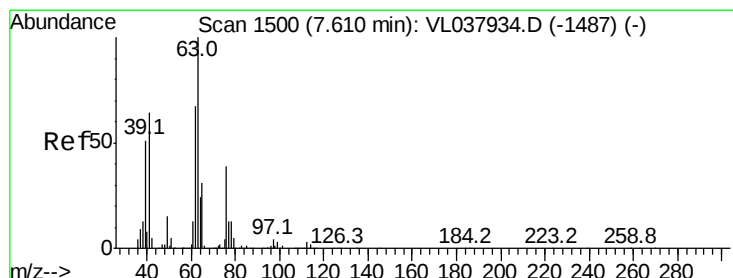
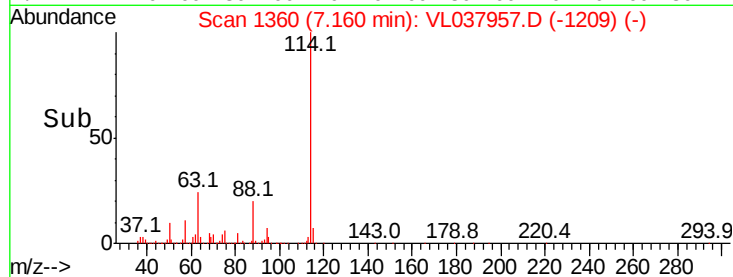
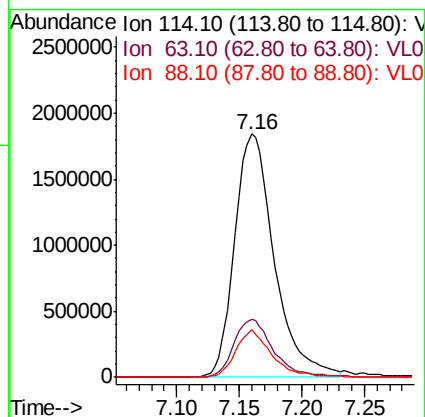
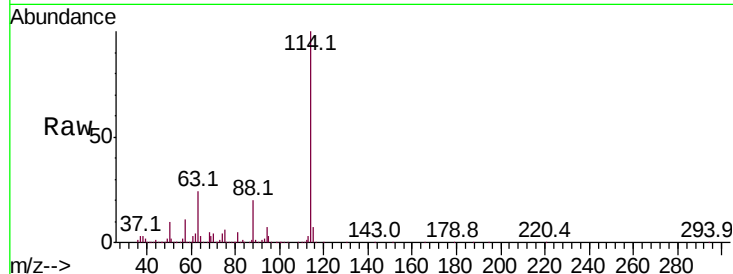




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 2 Nov 2021 3:29

Tot Ion: 114 Resp: 4061088

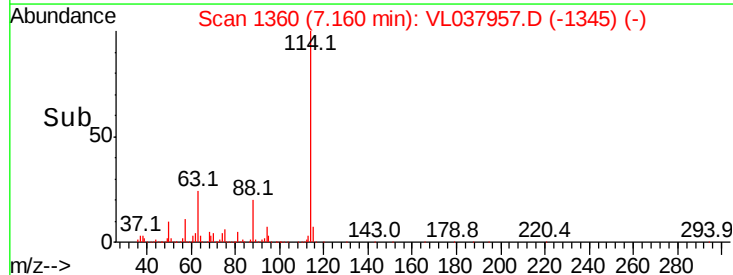
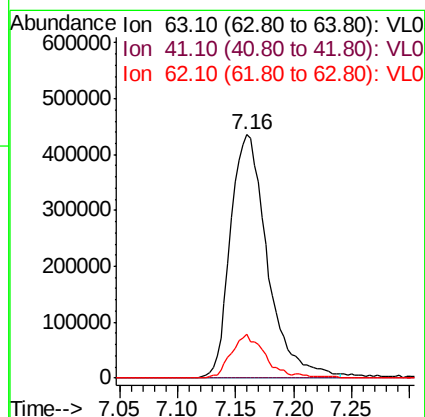
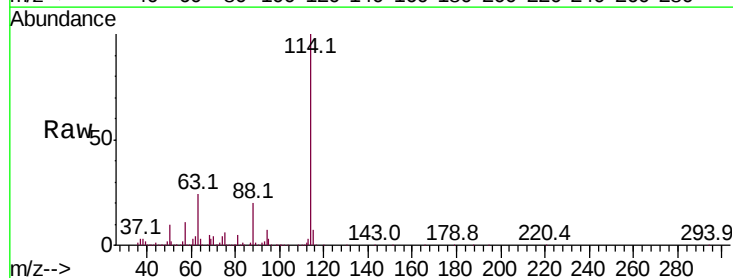
Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.4	29.0
88	18.0	14.2	21.4

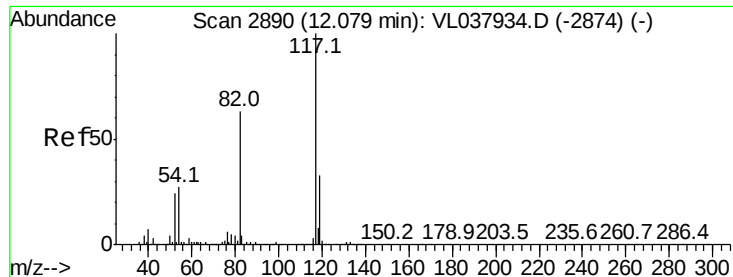


#39
 1,2-Dichloropropane
 Concen: 7.752 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.45 min
 Lab File: VL037957.D
 Acq: 2 Nov 2021 3:29

Tgt Ion: 63 Resp: 964600

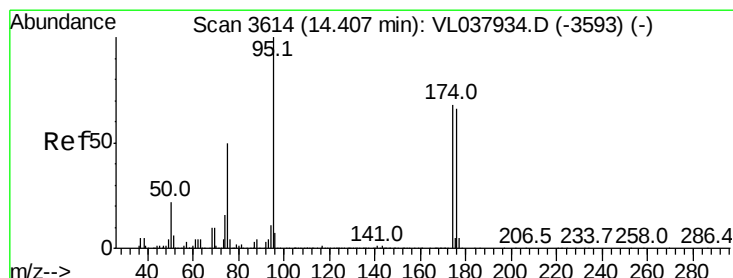
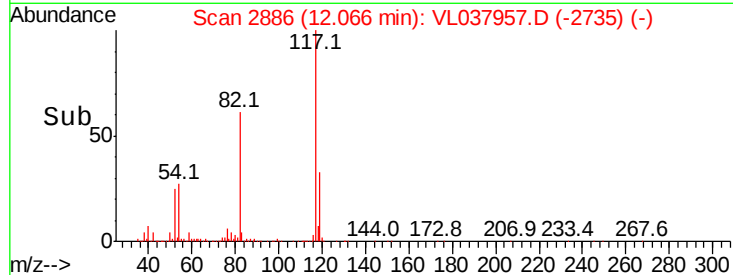
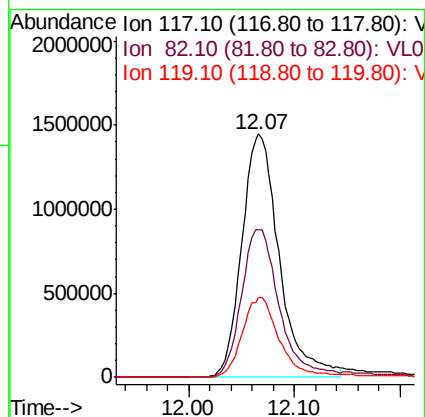
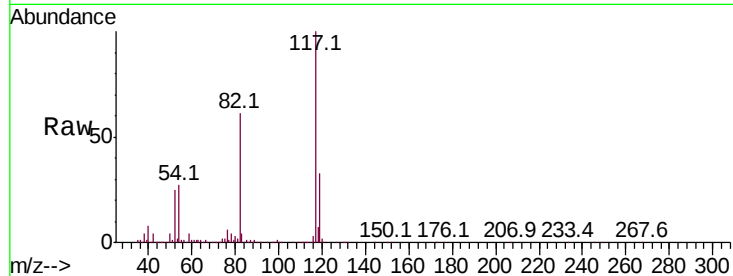
Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	18.0	53.5	80.3#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 2 Nov 2021 3:29

Tot Ion: 117 Resp: 3582100
Ion Ratio Lower Upper
117 100
82 64.8 51.0 76.6
119 33.9 26.9 40.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.546 ppbv
RT: 14.40 min Scan# 3611
Delta R.T.: -0.01 min
Lab File: VL037957.D
Acq: 2 Nov 2021 3:29

Tgt Ion: 95 Resp: 2485582
Ion Ratio Lower Upper
95 100
174 77.5 58.3 87.5
175 5.5 4.6 6.8

