

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039506.D
 Acq On : 20 Jul 2022 9:31
 Operator : SY/AP
 Sample : N3750-09DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA-1DL

Quant Time: Jul 21 05:28:15 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	896092	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	2534361	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2252832	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1717123	10.27	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

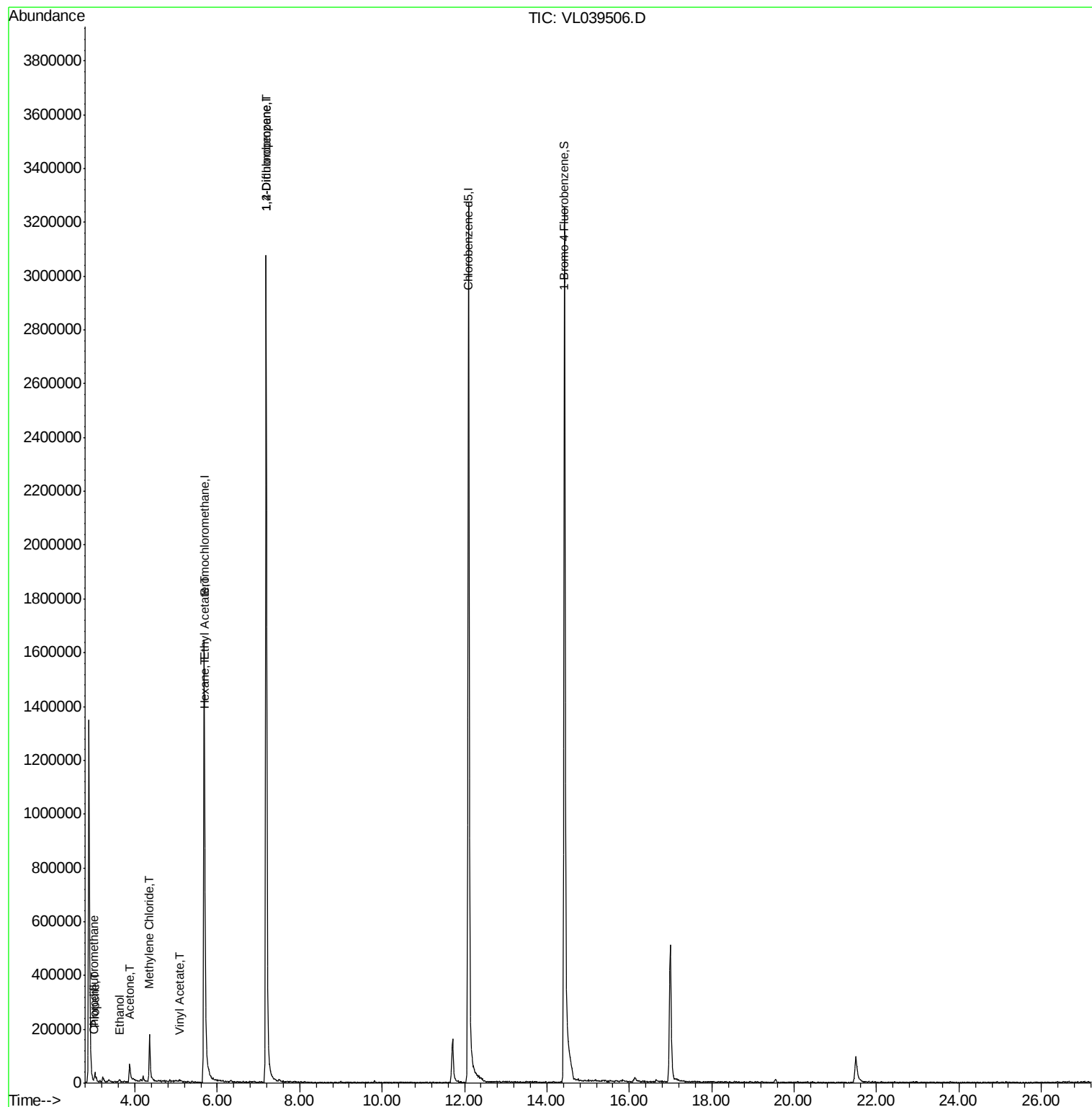
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	7445	0.065	ppbv	92
9) Propene	3.03	41	8418	0.164	ppbv	98
13) Ethanol	3.61	45	1140	0.383	ppbv #	23
15) Acetone	3.87	43	86885	0.820	ppbv #	87
20) Methylene Chloride	4.35	84	71204	1.685	ppbv	97
23) Vinyl Acetate	5.08	43	2971	0.042	ppbv #	40
25) Ethyl Acetate	5.70	43	16050	0.074	ppbv #	80
26) Hexane	5.70	57	29817	0.340	ppbv #	39
39) 1,2-Dichloropropane	7.19	63	616194	8.409	ppbv #	26

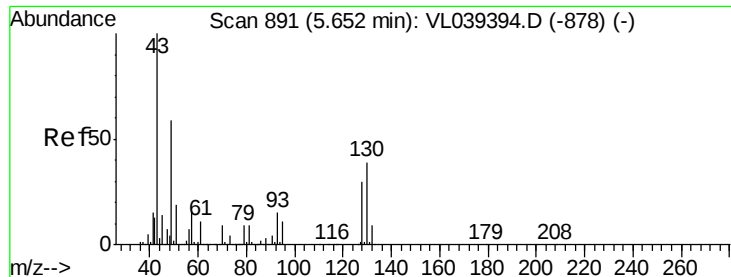
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId :

Acq: 20 Jul 2022 9:31

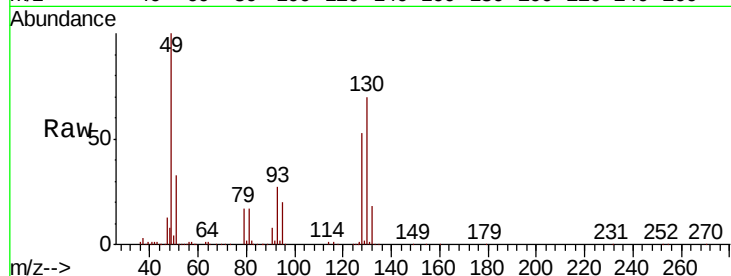
Tot Ion: 49 Resp: 896092

Ion Ratio Lower Upper

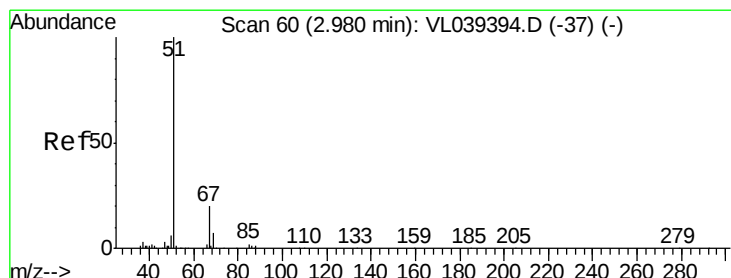
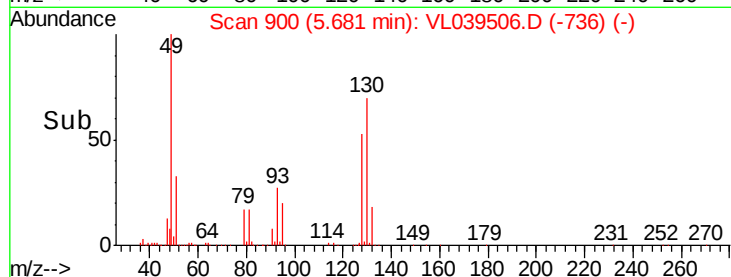
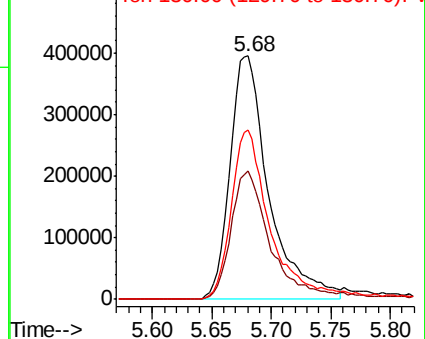
49 100

128 56.4 26.7 80.0

130 73.0 34.3 102.8



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



#3

Chlorodifluoromethane

Concen: 0.065 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.02 min

Lab File: VL039506.D

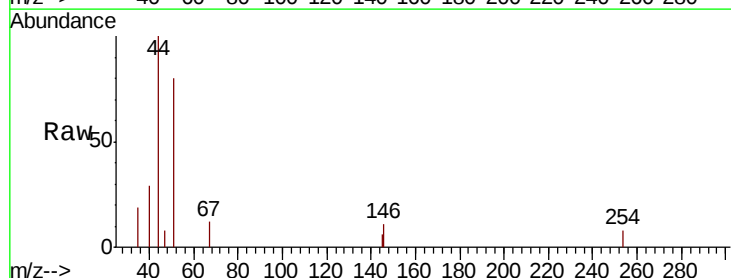
Acq: 20 Jul 2022 9:31

Tgt Ion: 51 Resp: 7445

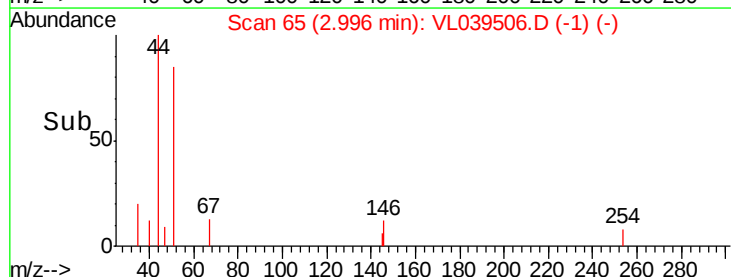
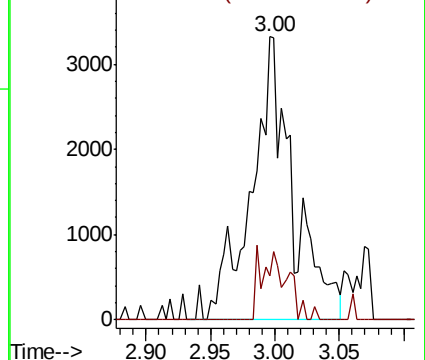
Ion Ratio Lower Upper

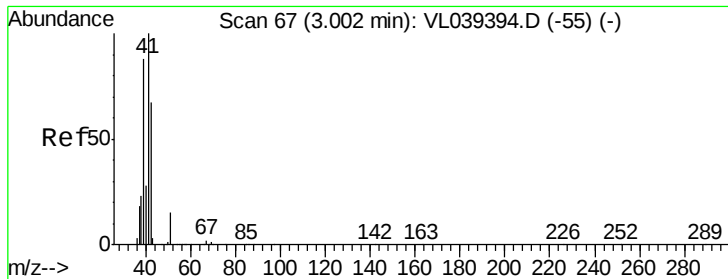
51 100

67 15.9 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.164 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

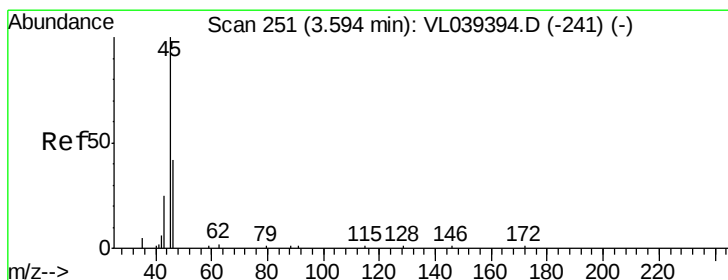
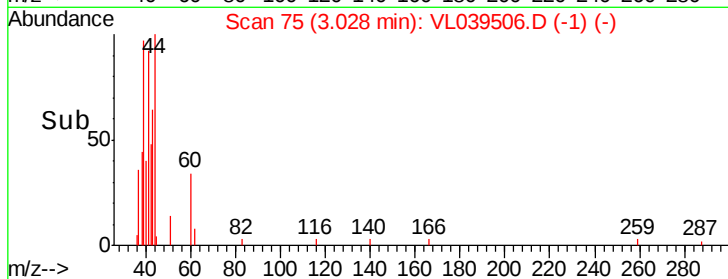
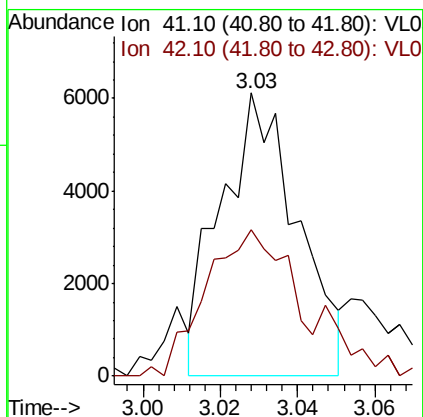
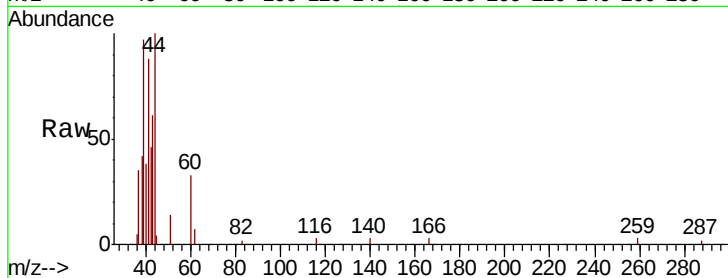
Acq: 20 Jul 2022 9:31

Tot Ion: 41 Resp: 8418

Ion Ratio Lower Upper

41 100

42 70.5 55.2 82.8



#13

Ethanol

Concen: 0.383 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.02 min

Lab File: VL039506.D

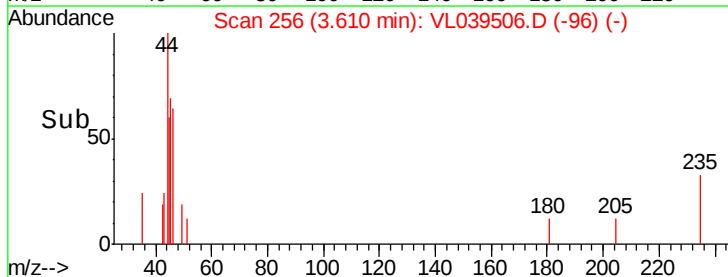
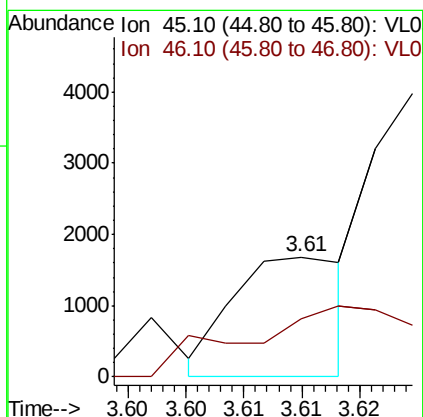
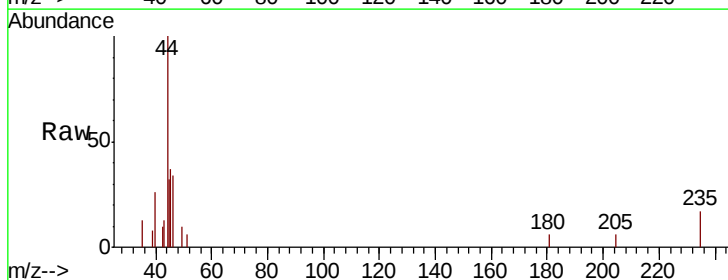
Acq: 20 Jul 2022 9:31

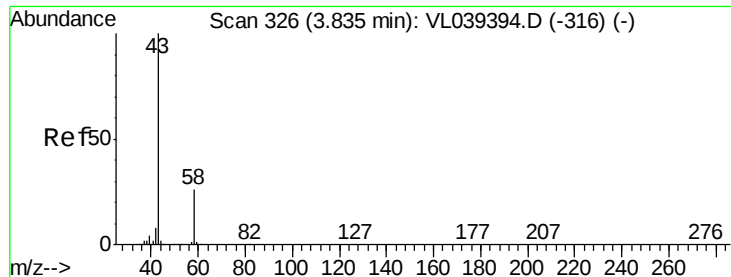
Tgt Ion: 45 Resp: 1140

Ion Ratio Lower Upper

45 100

46 0.0 22.8 91.2#





#15

Acetone

Concen: 0.820 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

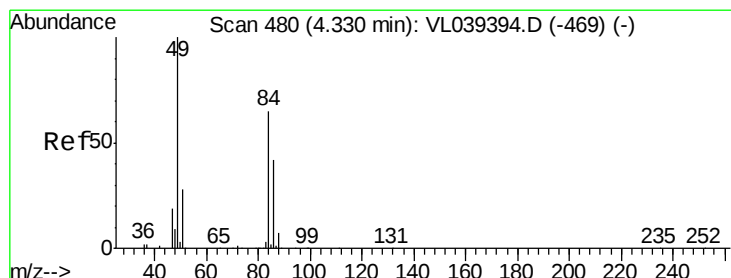
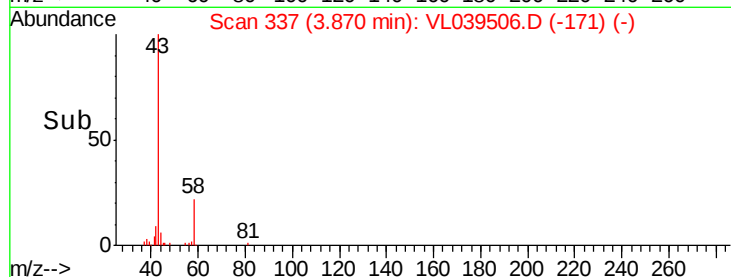
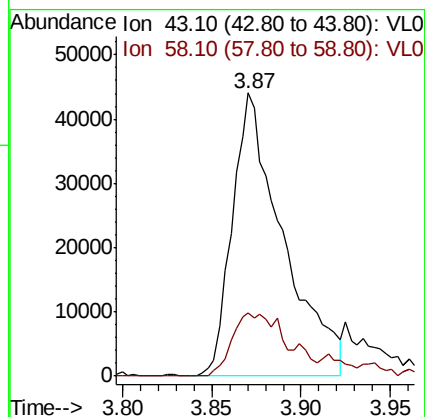
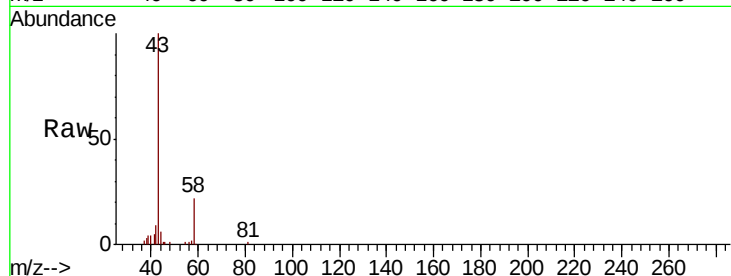
Acq: 20 Jul 2022 9:31

Tot Ion: 43 Resp: 86885

Ion Ratio Lower Upper

43 100

58 33.0 21.0 31.6#



#20

Methylene Chloride

Concen: 1.685 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL039506.D

Acq: 20 Jul 2022 9:31

Tgt Ion: 84 Resp: 71204

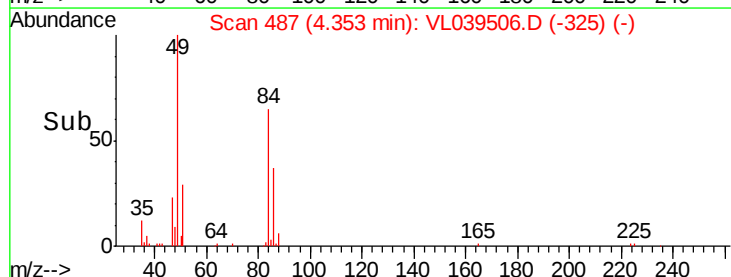
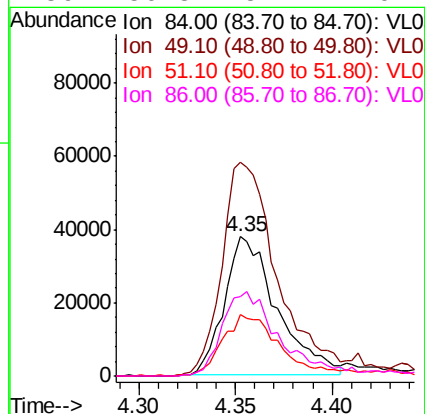
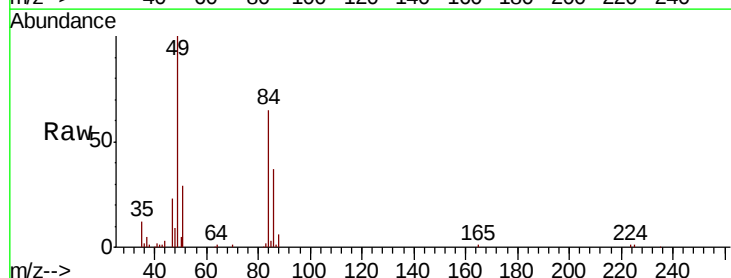
Ion Ratio Lower Upper

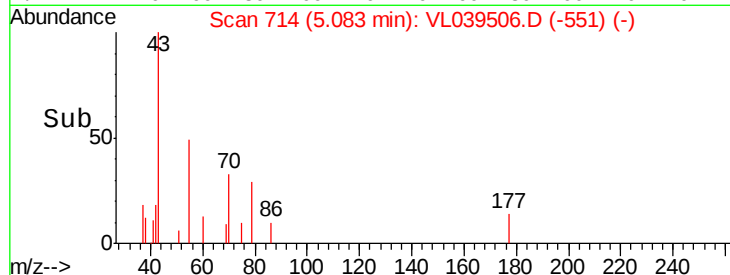
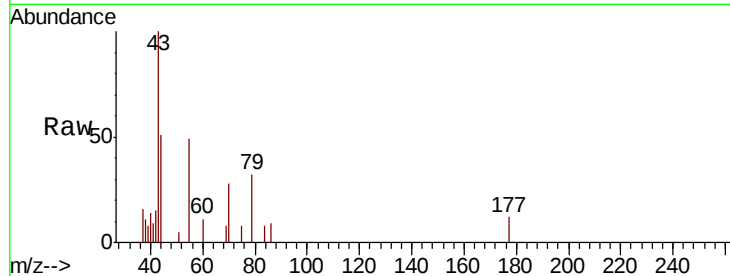
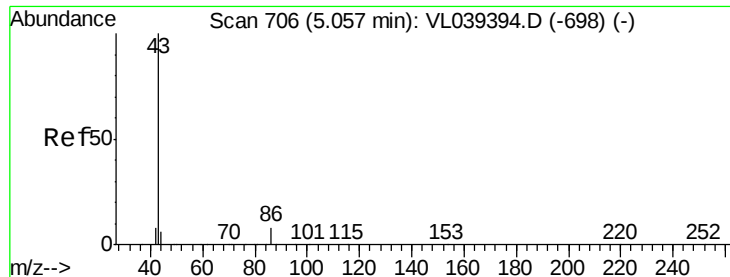
84 100

49 151.7 123.1 184.7

51 43.3 34.4 51.6

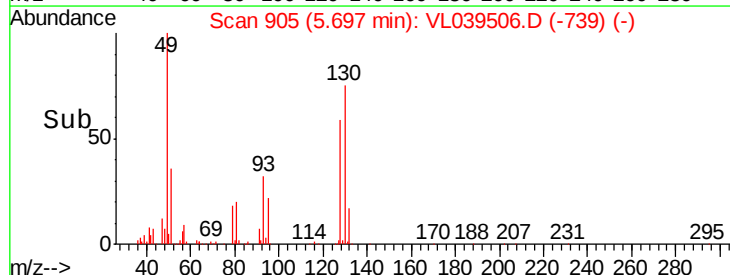
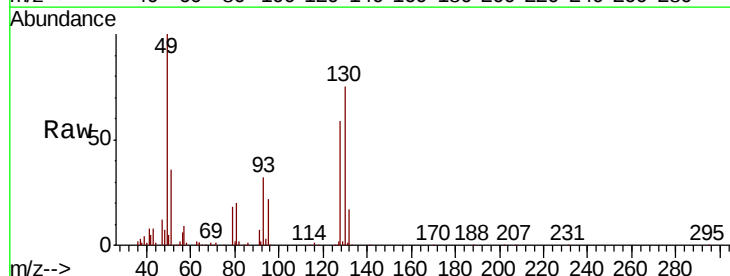
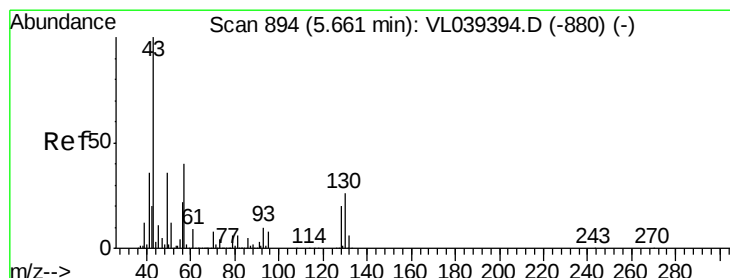
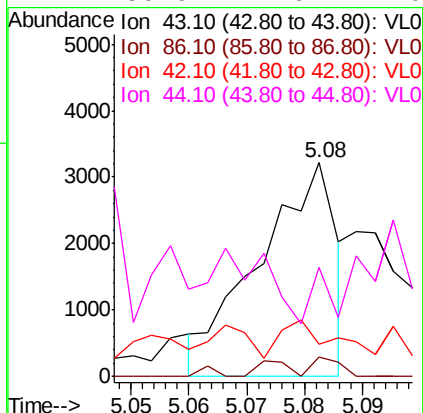
86 56.8 51.1 76.7





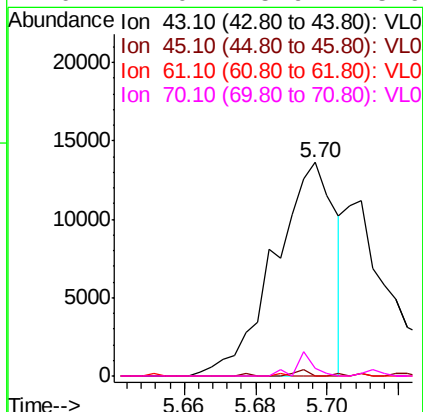
#23
 Vinyl Acetate
 Concen: 0.042 ppbv
 RT: 5.08
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 9:31

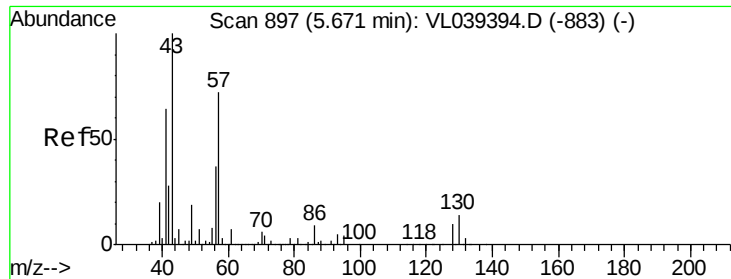
Tot Ion:	43	Resp:	2971
Ion	Ratio	Lower	Upper
43	100		
86	22.7	5.0	7.6#
42	6.9	7.7	11.5#
44	59.9	4.6	7.0#



#25
 Ethyl Acetate
 Concen: 0.074 ppbv
 RT: 5.70 min Scan# 905
 Delta R.T. 0.04 min
 Lab File: VL039506.D
 Acq: 20 Jul 2022 9:31

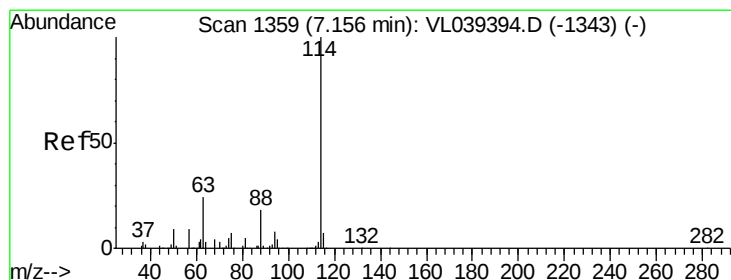
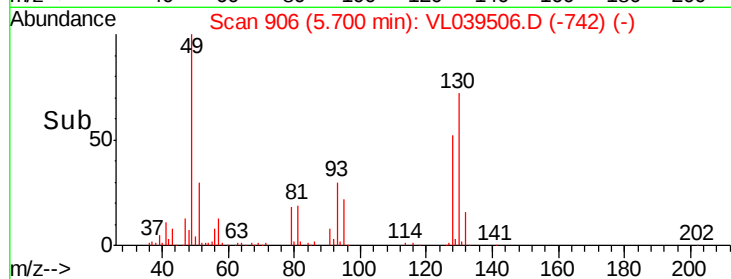
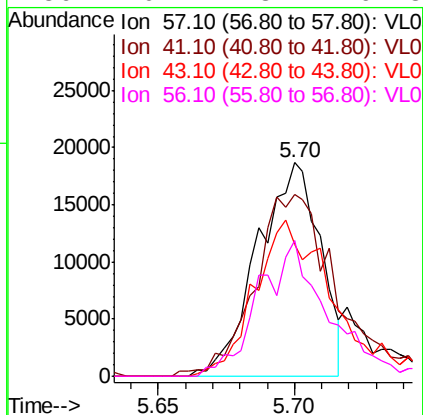
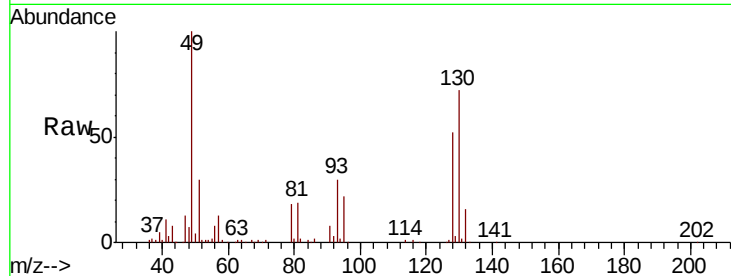
Tgt Ion:	43	Resp:	16050
Ion	Ratio	Lower	Upper
43	100		
45	2.5	8.2	12.4#
61	0.2	8.3	12.5#
70	4.0	5.9	8.9#





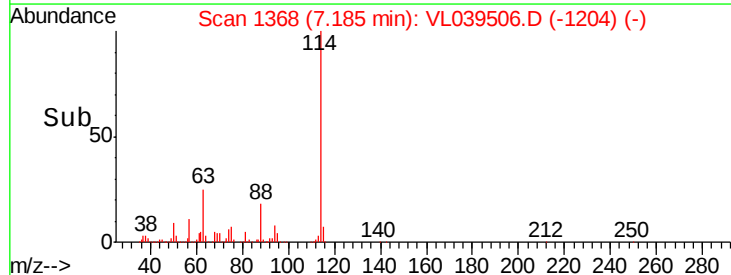
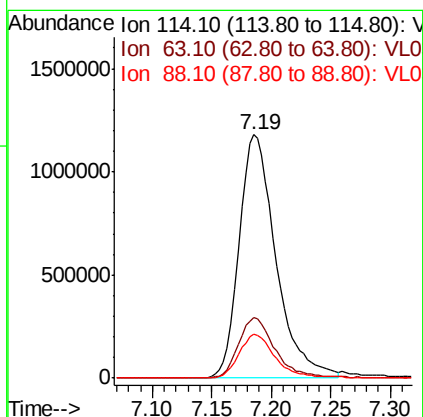
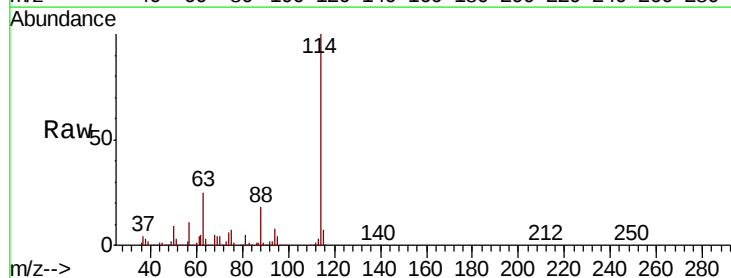
#26
Hexane
Concen: 0.340 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 9:31

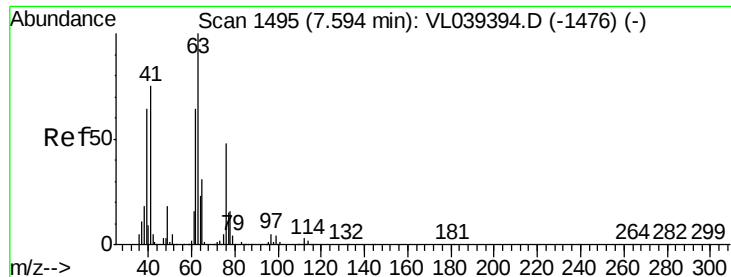
Tot Ion	57	Resp	29817
Ion Ratio	Lower	Upper	
57	100		
41	115.9	76.9	115.3#
43	92.7	191.0	286.6#
56	70.4	43.2	64.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.03 min
Lab File: VL039506.D
Acq: 20 Jul 2022 9:31

Tgt Ion	114	Resp	2534361
Ion Ratio	Lower	Upper	
114	100		
63	25.2	20.2	30.4
88	18.0	14.5	21.7





#39

1,2-Dichloropropane

Concen: 8.409 ppbv

RT: 7.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 9:31

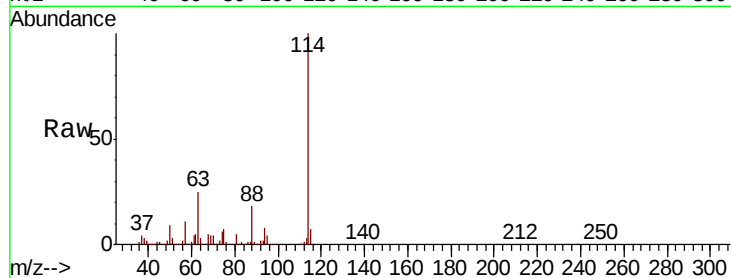
Tot Ion: 63 Resp: 616194

Ion Ratio Lower Upper

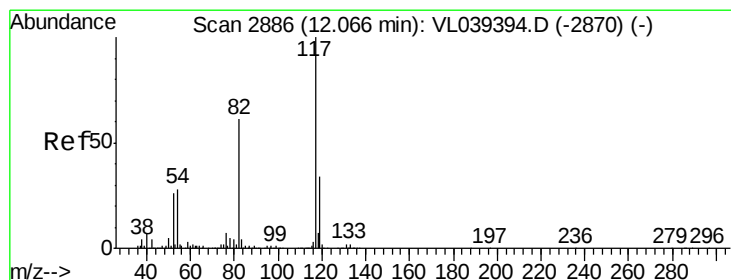
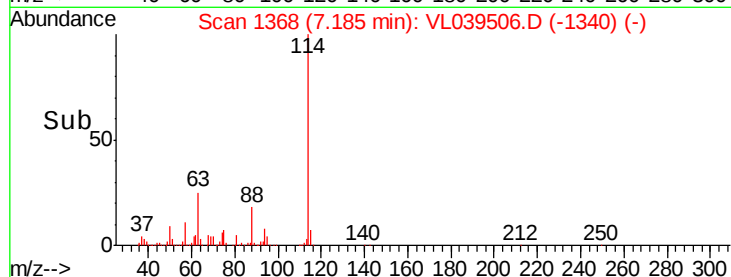
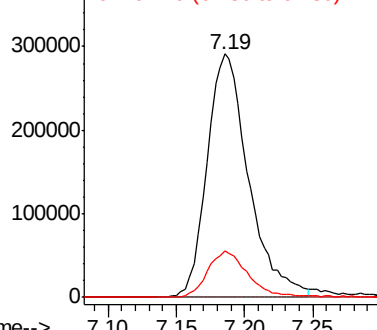
63 100

41 0.3 59.6 89.4#

62 18.8 51.4 77.0#



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: 12.10 min Scan# 2896

Delta R.T. 0.03 min

Lab File: VL039506.D

Acq: 20 Jul 2022 9:31

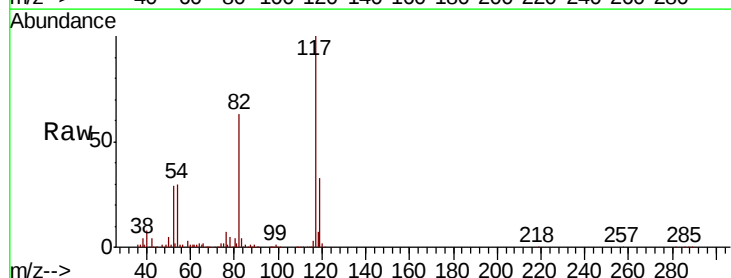
Tgt Ion: 117 Resp: 2252832

Ion Ratio Lower Upper

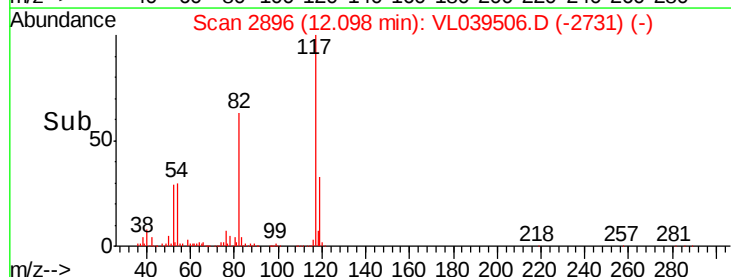
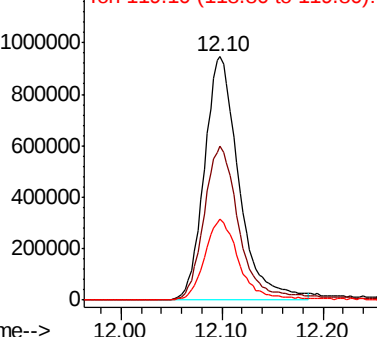
117 100

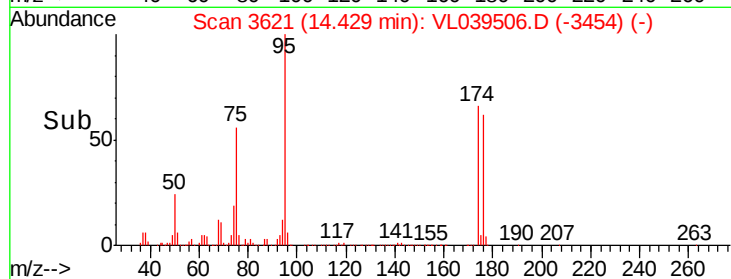
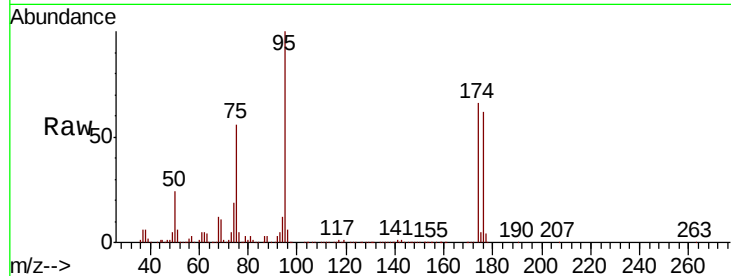
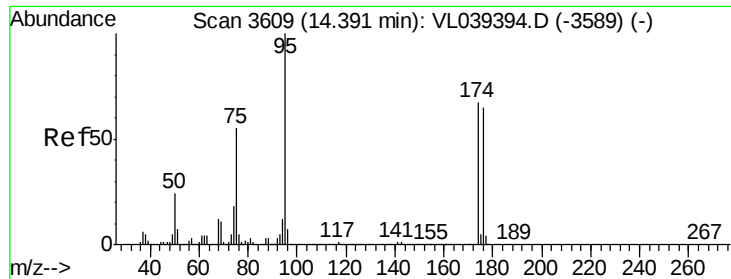
82 66.4 50.8 76.2

119 33.3 24.1 36.1



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: 10.274 ppbv

RT: 14.43

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 20 Jul 2022 9:31

Tot Ion: 95 Resp: 1717123

Ion Ratio Lower Upper

95 100

174 70.7 55.9 83.9

175 5.0 4.2 6.4

