

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051122\
 Data File : VL039031.D
 Acq On : 11 May 2022 22:24
 Operator : SY/AP
 Sample : N2753-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: May 12 02:00:09 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	985245	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2718249	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2322510	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	1681051	9.14	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.40%

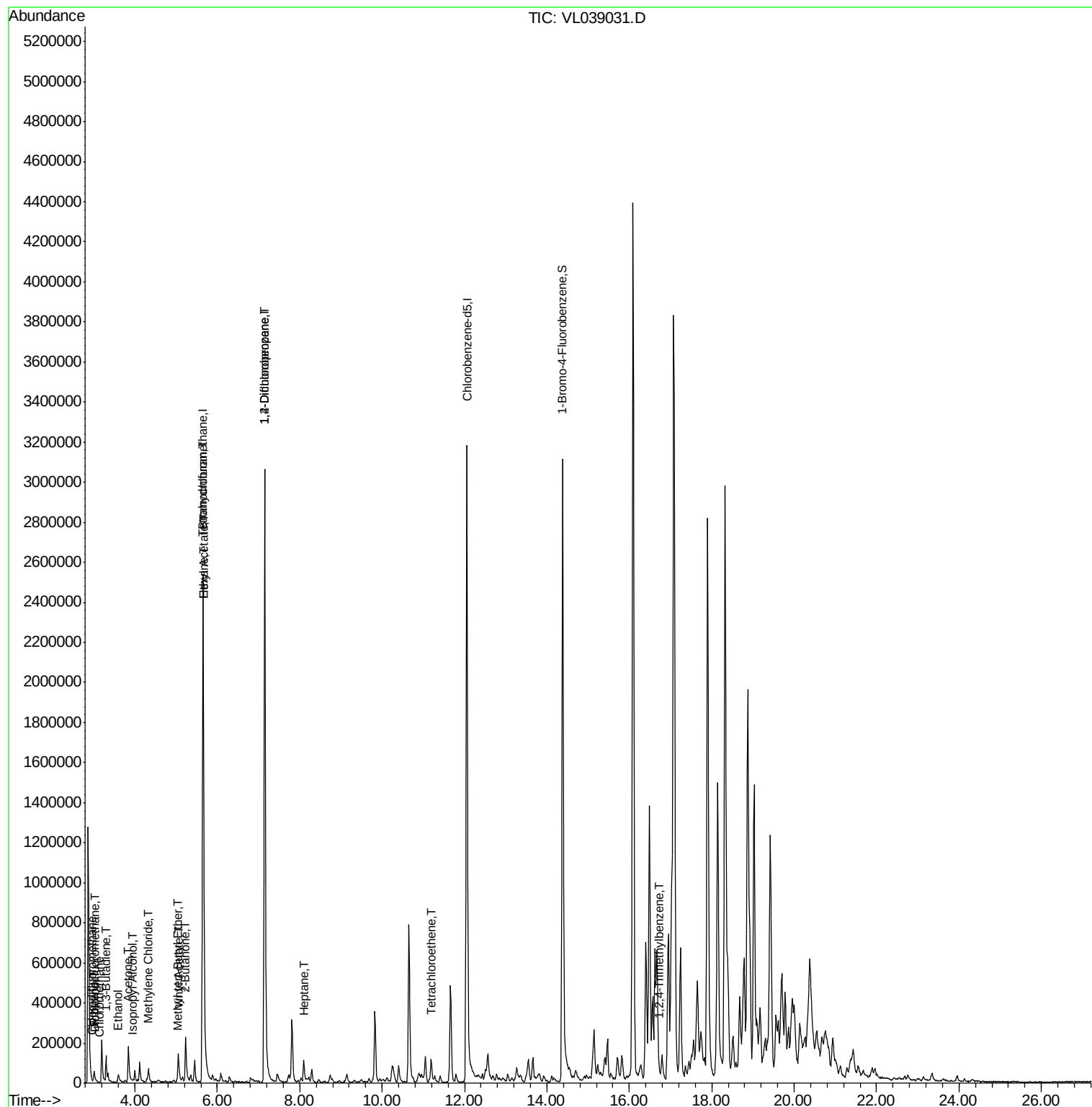
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	9018	0.06	ppbv #	82
3) Chlorodifluoromethane	2.97	51	6742	0.06	ppbv #	79
4) Chloromethane	3.13	50	1916	0.03	ppbv #	67
9) Propene	3.00	41	24465	0.46	ppbv	96
10) Heptane	8.10	43	53492	0.41	ppbv	97
13) Ethanol	3.59	45	27743	7.34	ppbv #	55
15) Acetone	3.84	43	227934	2.45	ppbv #	83
16) 1,3-Butadiene	3.30	39	37123	0.70	ppbv #	18
19) Isopropyl Alcohol	3.95	45	1883	0.04	ppbv #	95
20) Methylene Chloride	4.33	84	25290	0.72	ppbv	90
23) Vinyl Acetate	5.06	43	214634	2.92	ppbv	97
25) Ethyl Acetate	5.67	43	257243	1.16	ppbv #	82
26) Hexane	5.67	57	335715	3.40	ppbv #	18
28) Methyl tert-Butyl Ether	5.02	73	9687	0.13	ppbv #	79
34) 2-Butanone	5.23	43	306435	2.21	ppbv	95
39) 1,2-Dichloropropane	7.15	63	645230	7.13	ppbv #	26
41) Tetrahydrofuran	5.66	42	192039	2.06	ppbv #	45
52) Tetrachloroethene	11.18	164	11916	0.14	ppbv #	77
74) 1,2,4-Trimethylbenzene	16.73	105	14249	0.05	ppbv #	60

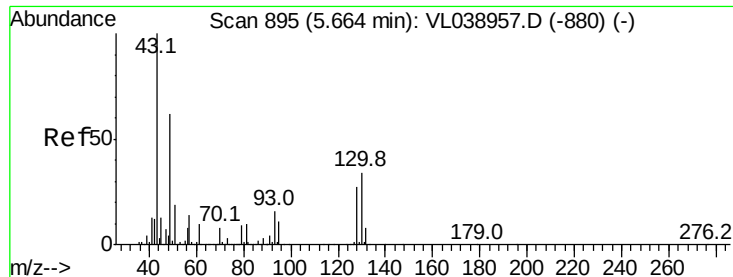
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL051122\
Data File : VL039031.D
Acq On : 11 May 2022 22:24
Operator : SY/AP
Sample : N2753-02DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: May 12 02:00:09 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1DL

Acq: 11 May 2022 22:24

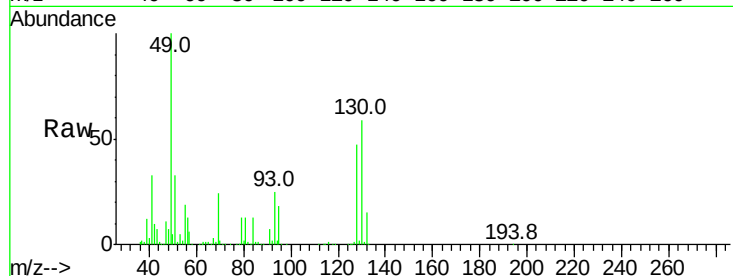
Tgt Ion: 49 Resp: 985245

Ion Ratio Lower Upper

49 100

128 50.2 23.3 69.8

130 63.4 29.8 89.3



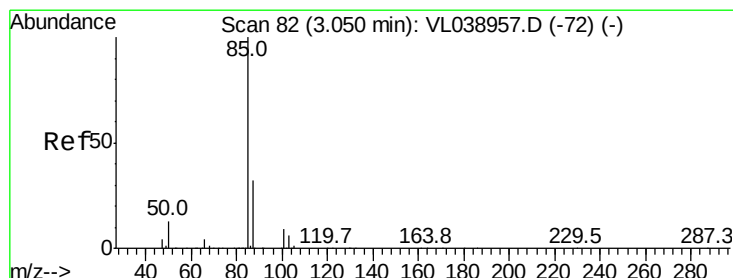
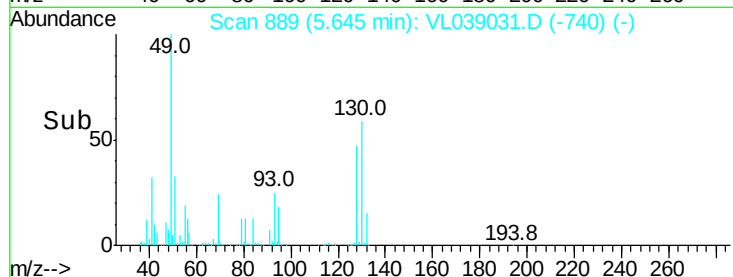
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.65

Time--> 5.55 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.06 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL039031.D

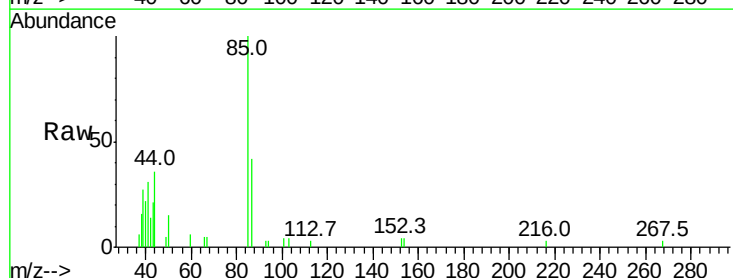
Acq: 11 May 2022 22:24

Tgt Ion: 85 Resp: 9018

Ion Ratio Lower Upper

85 100

87 42.3 25.7 38.5#

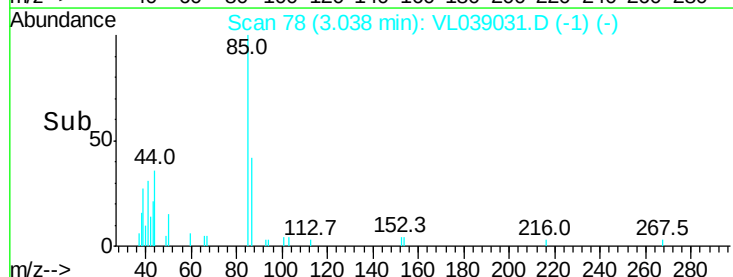


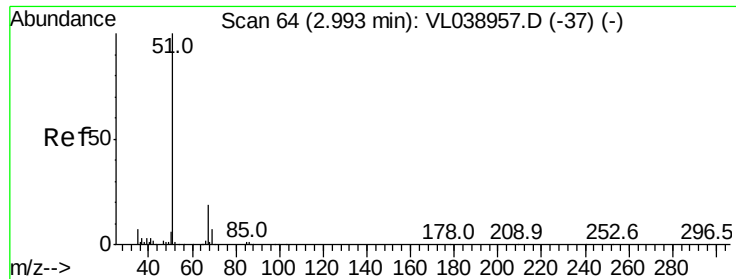
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.04

Time--> 3.00 3.05





#3

Chlorodifluoromethane

Concen: 0.06 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

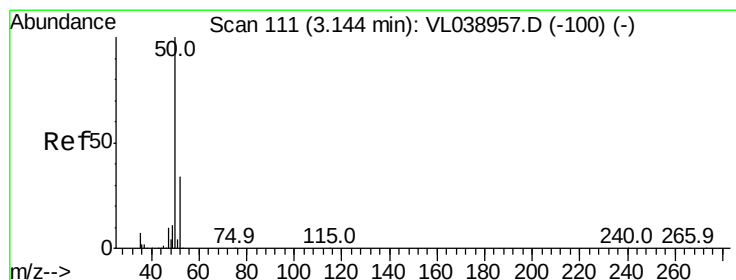
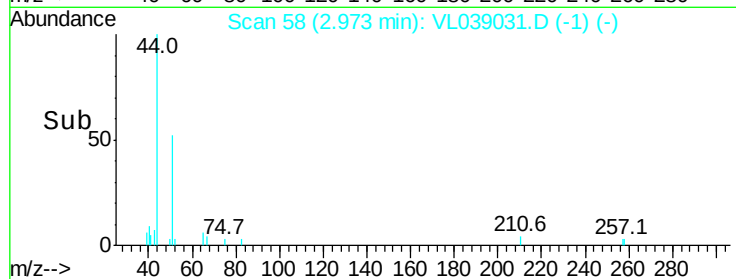
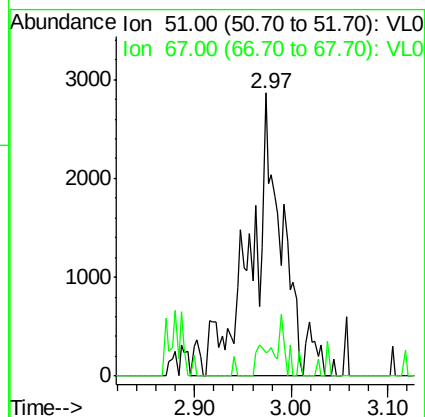
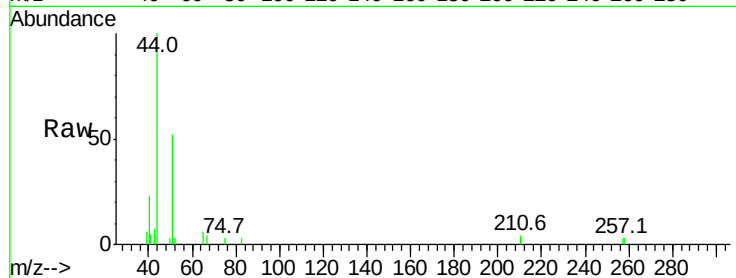
Acq: 11 May 2022 22:24

Tgt Ion: 51 Resp: 6742

Ion Ratio Lower Upper

51 100

67 10.1 15.8 23.8#



#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.02 min

Lab File: VL039031.D

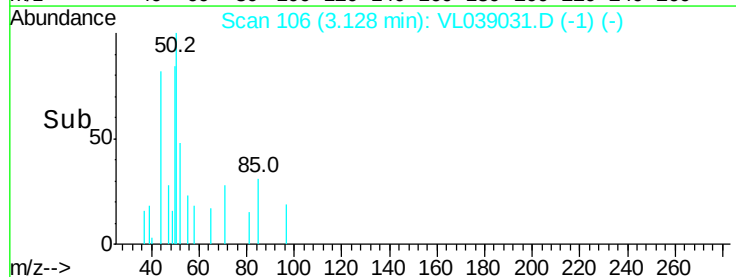
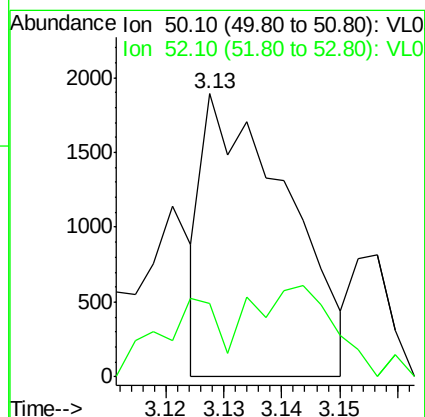
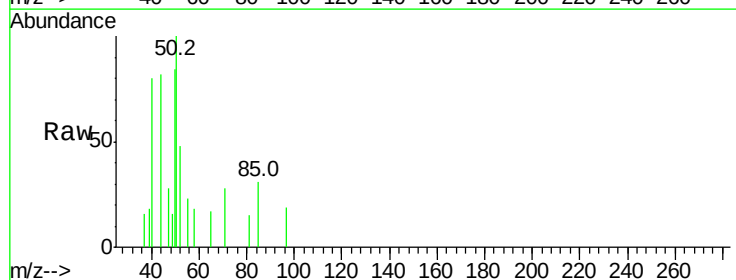
Acq: 11 May 2022 22:24

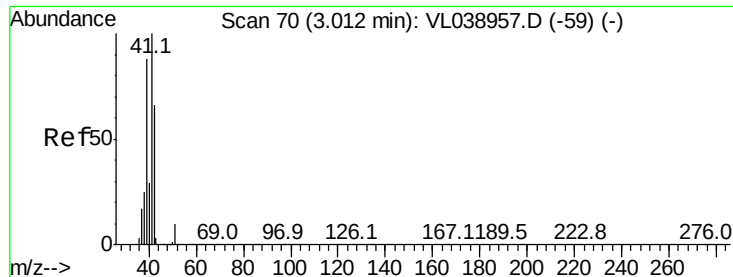
Tgt Ion: 50 Resp: 1916

Ion Ratio Lower Upper

50 100

52 14.9 27.3 40.9#





#9

Propene

Concen: 0.46 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

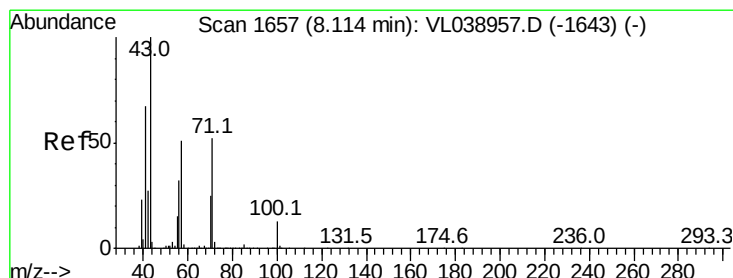
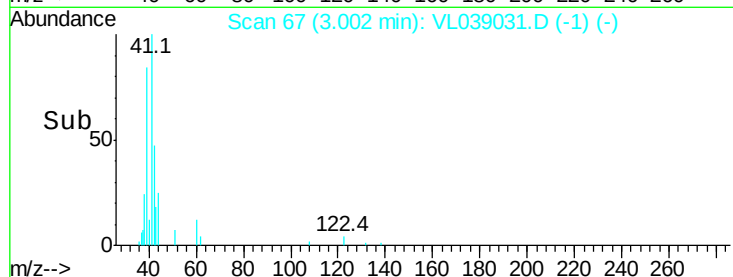
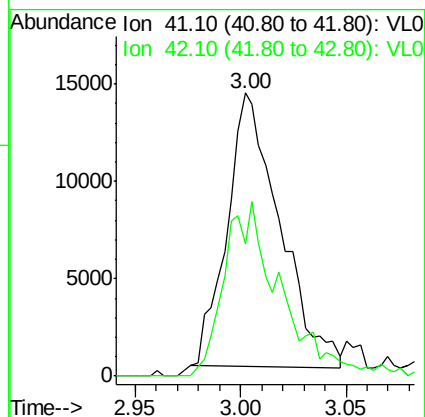
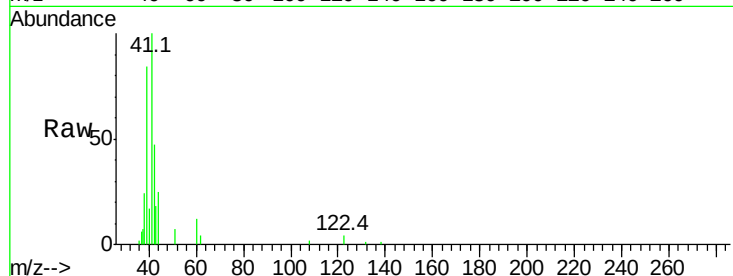
Acq: 11 May 2022 22:24

Tgt Ion: 41 Resp: 24465

Ion Ratio Lower Upper

41 100

42 69.2 58.3 87.5



#10

Heptane

Concen: 0.41 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.02 min

Lab File: VL039031.D

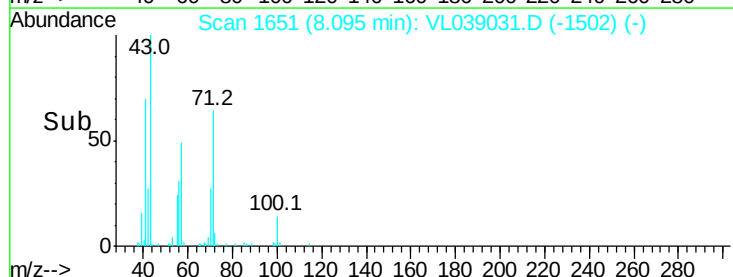
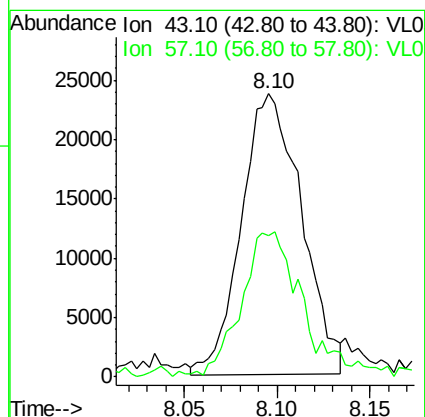
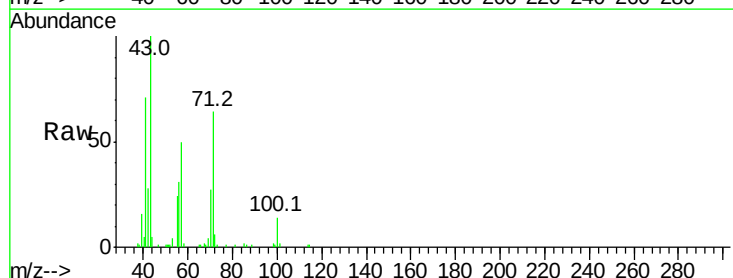
Acq: 11 May 2022 22:24

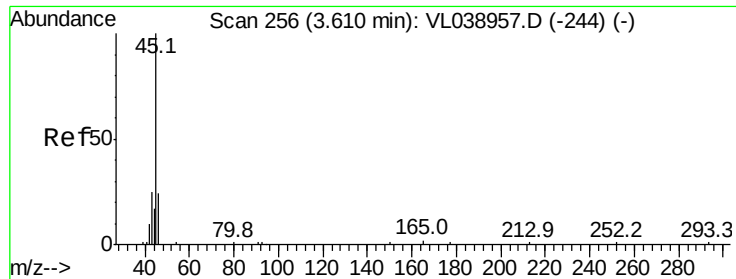
Tgt Ion: 43 Resp: 53492

Ion Ratio Lower Upper

43 100

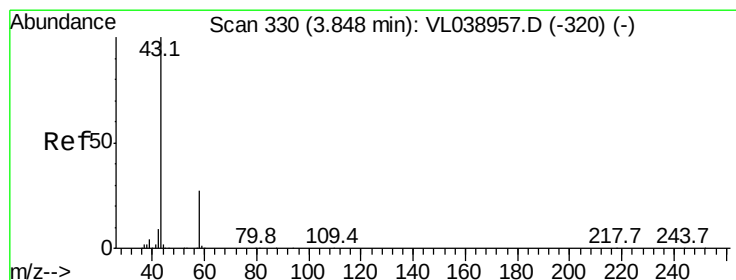
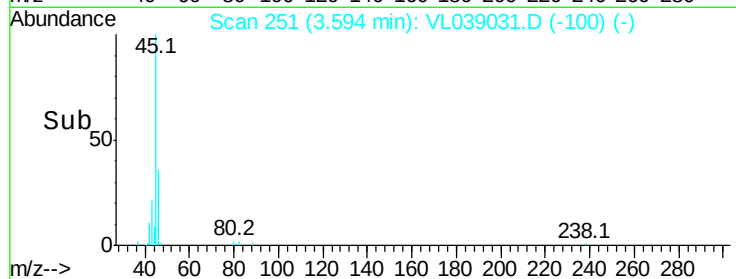
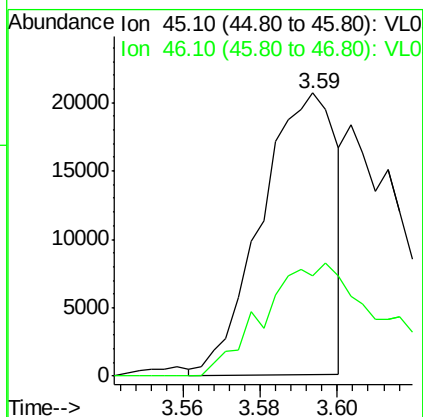
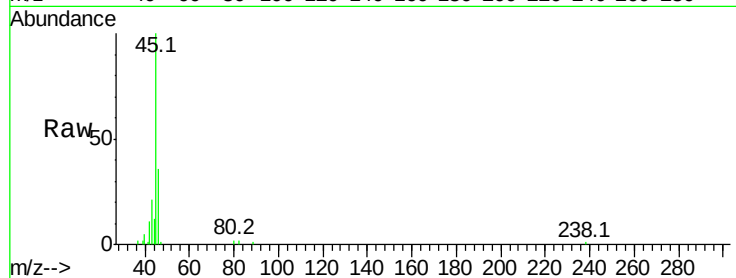
57 52.8 40.5 60.7





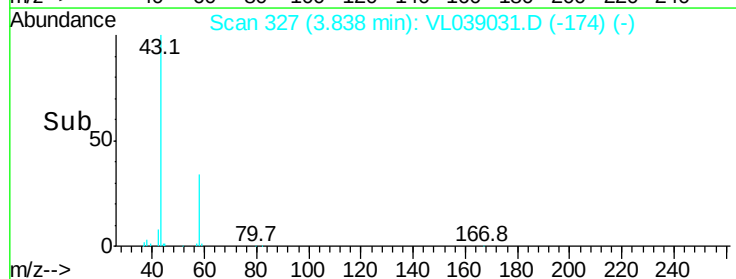
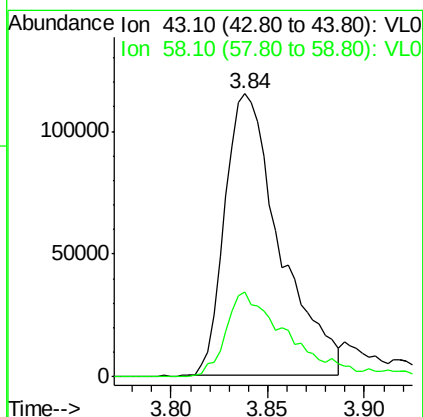
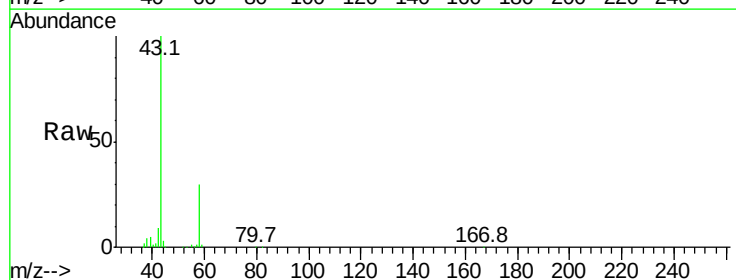
#13
Ethanol
Concen: 7.34 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1DL
Acq: 11 May 2022 22:24

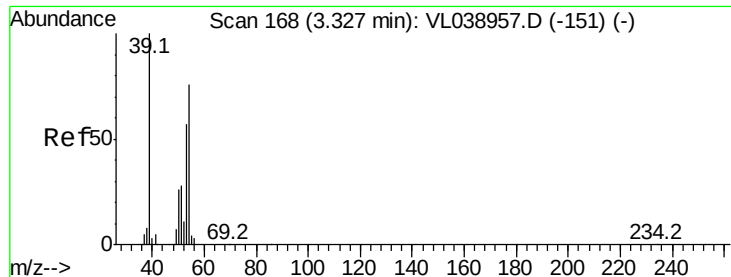
Tgt Ion: 45 Resp: 27743
Ion Ratio Lower Upper
45 100
46 74.4 18.0 72.2#



#15
Acetone
Concen: 2.45 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL039031.D
Acq: 11 May 2022 22:24

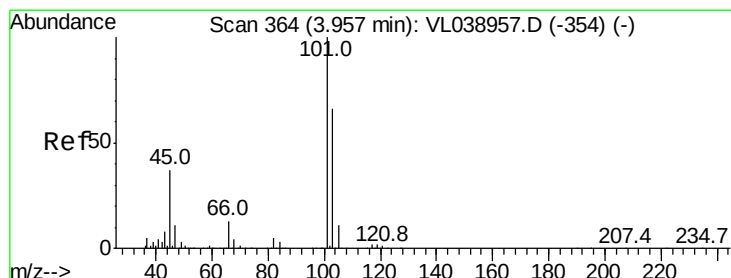
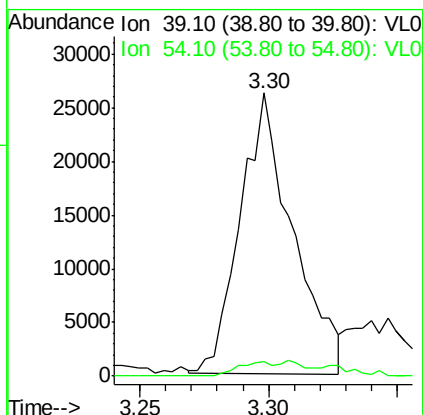
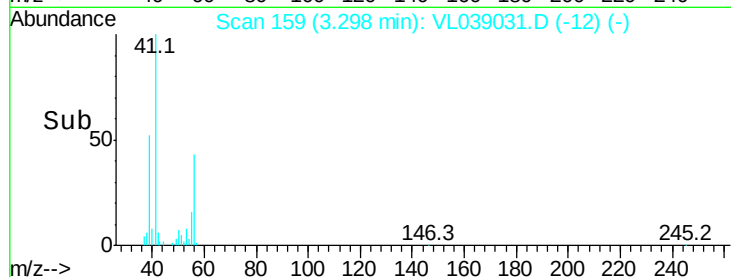
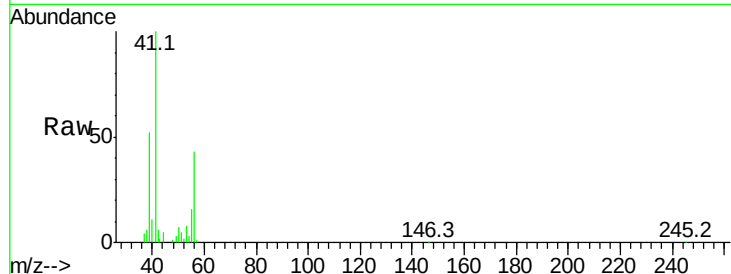
Tgt Ion: 43 Resp: 227934
Ion Ratio Lower Upper
43 100
58 35.5 21.3 31.9#





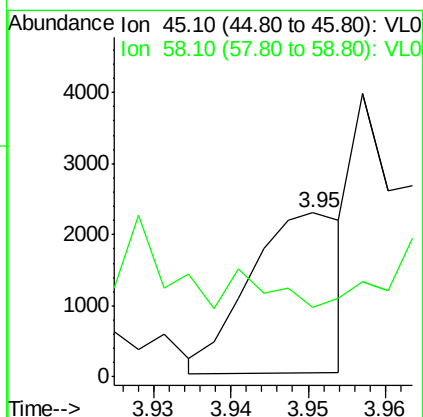
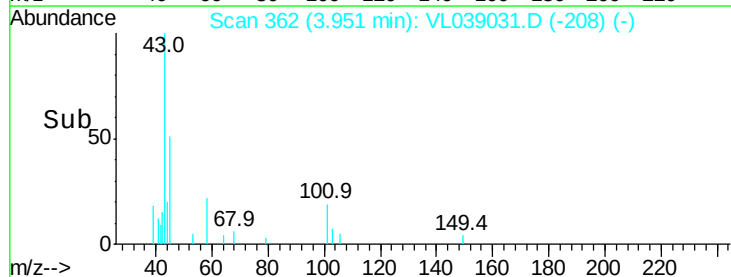
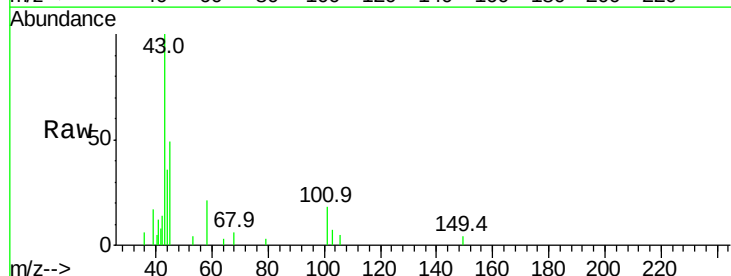
#16
 1,3-Butadiene
 Concen: 0.70 ppbv
 RT: 3.30
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 11 May 2022 22:24

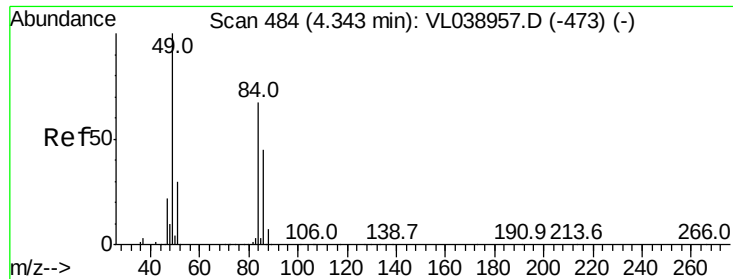
Tgt Ion: 39 Resp: 37123
 Ion Ratio Lower Upper
 39 100
 54 8.6 65.2 97.8#



#19
 Isopropyl Alcohol
 Concen: 0.04 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL039031.D
 Acq: 11 May 2022 22:24

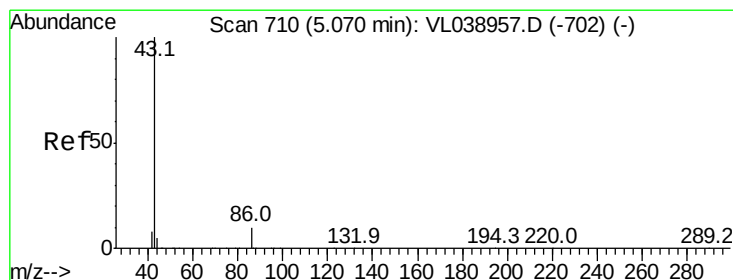
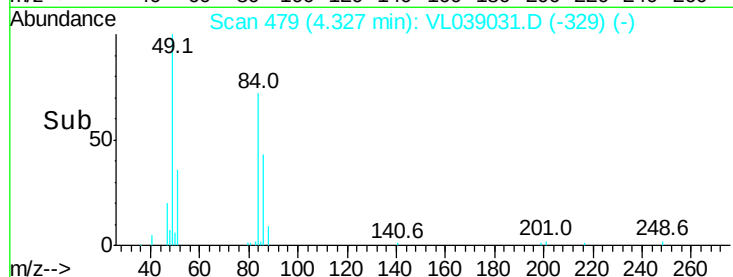
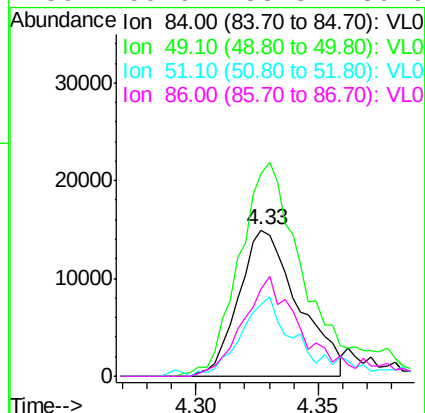
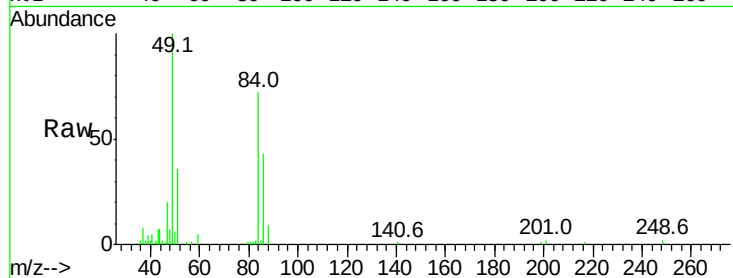
Tgt Ion: 45 Resp: 1883
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.4 2.2#





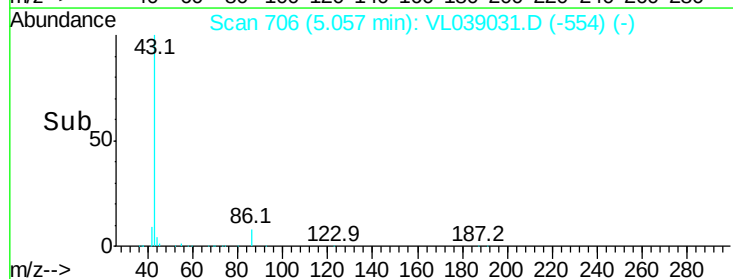
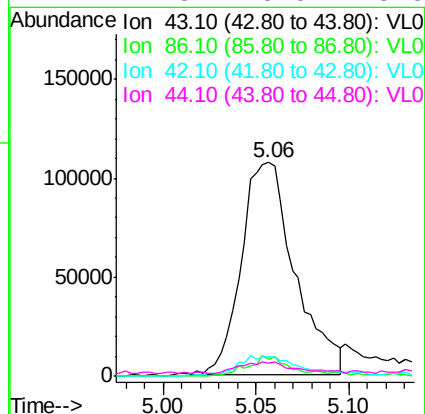
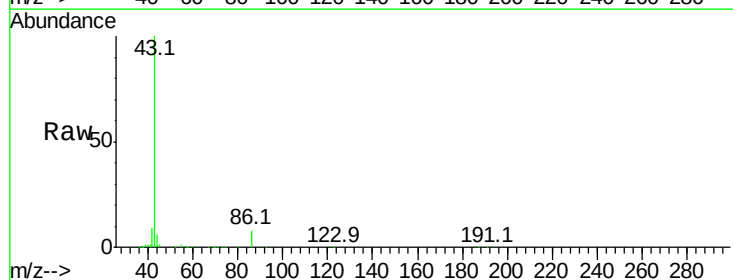
#20
Methylene Chloride
Concen: 0.72 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV1DL
Acq: 11 May 2022 22:24

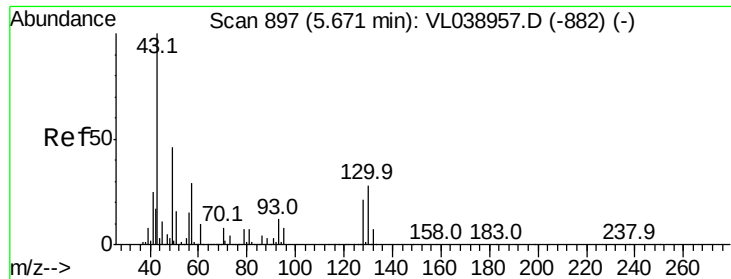
Tgt Ion:	84	Resp:	25290
Ion	Ratio	Lower	Upper
84	100		
49	135.3	119.9	179.9
51	49.0	35.7	53.5
86	59.6	53.8	80.6



#23
Vinyl Acetate
Concen: 2.92 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.01 min
Lab File: VL039031.D
Acq: 11 May 2022 22:24

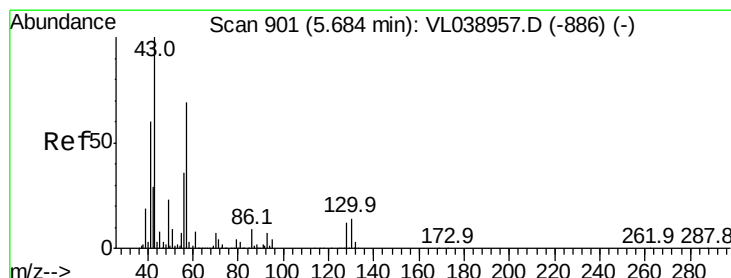
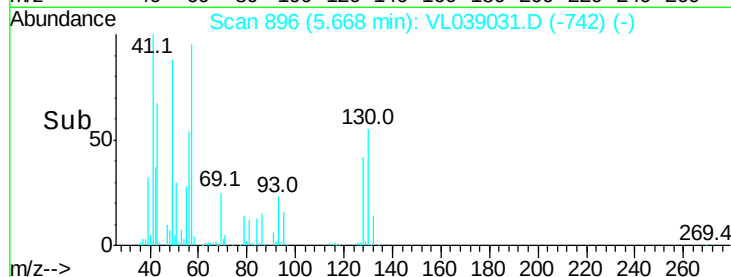
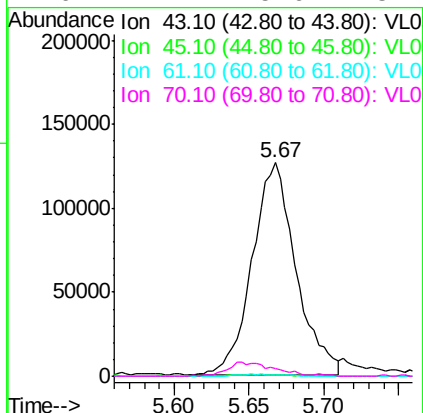
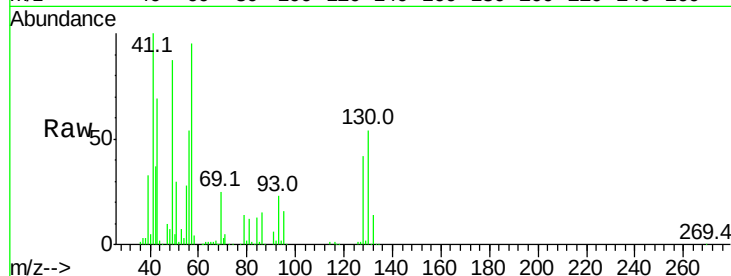
Tgt Ion:	43	Resp:	214634
Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.6	9.8
42	8.2	8.1	12.1
44	4.3	3.5	5.3





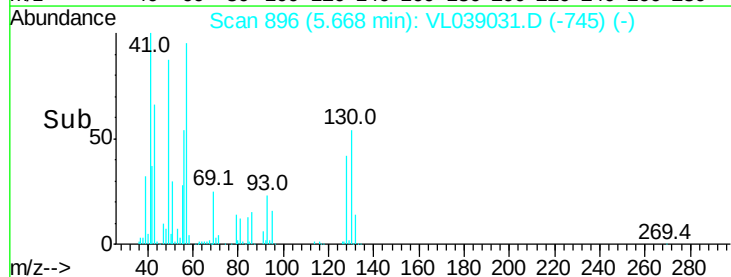
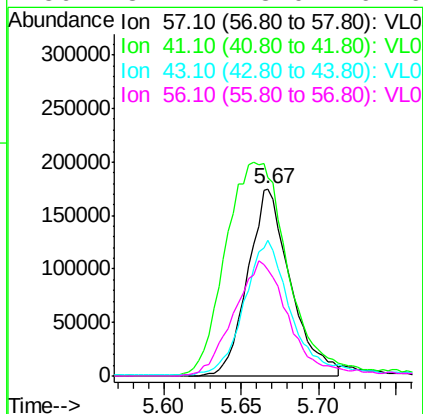
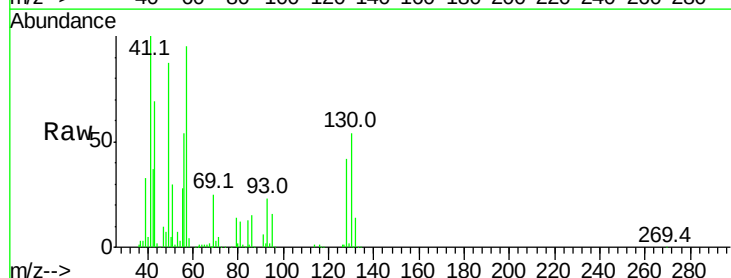
#25
 Ethyl Acetate
 Concen: 1.16 ppbv
 RT: 5.67
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV1DL
 Acq: 11 May 2022 22:24

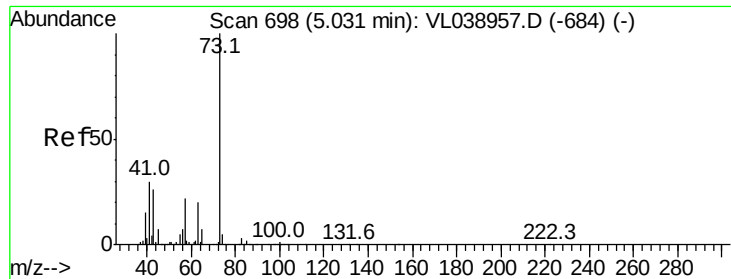
Tgt Ion:	43	Resp:	257243
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.1	12.1#
61	0.9	7.8	11.6#
70	7.4	5.6	8.4



#26
 Hexane
 Concen: 3.40 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: VL039031.D
 Acq: 11 May 2022 22:24

Tgt Ion:	57	Resp:	335715
Ion	Ratio	Lower	Upper
57	100		
41	171.7	75.2	112.8#
43	81.0	190.8	286.2#
56	81.1	43.0	64.6#





#28

Methyl tert-Butyl Ether

Concen: 0.13 ppbv

RT: 5.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

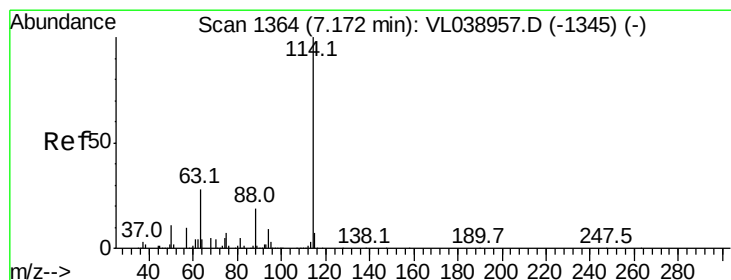
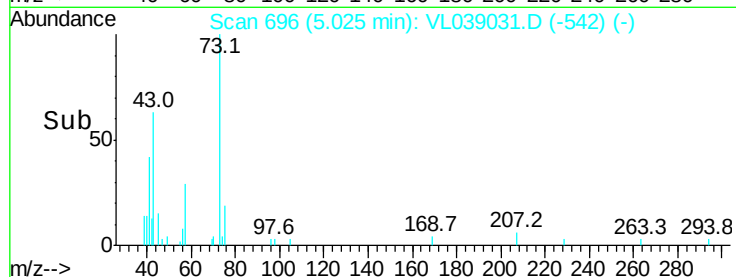
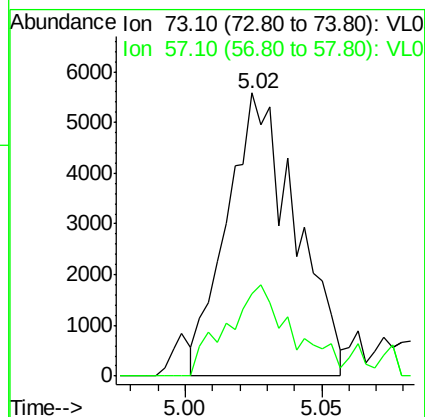
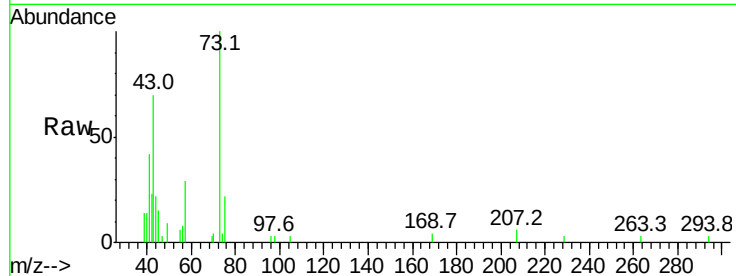
Acq: 11 May 2022 22:24 SV1DL

Tgt Ion: 73 Resp: 9687

Ion Ratio Lower Upper

73 100

57 33.7 18.8 28.2#



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VL039031.D

Acq: 11 May 2022 22:24

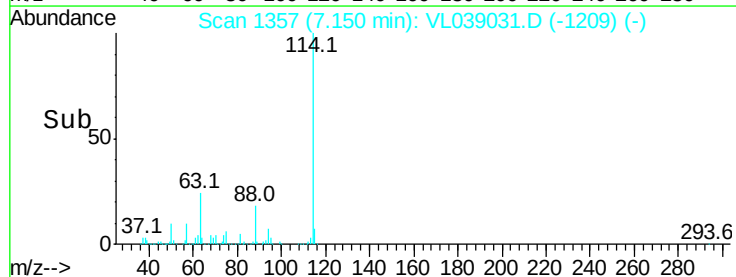
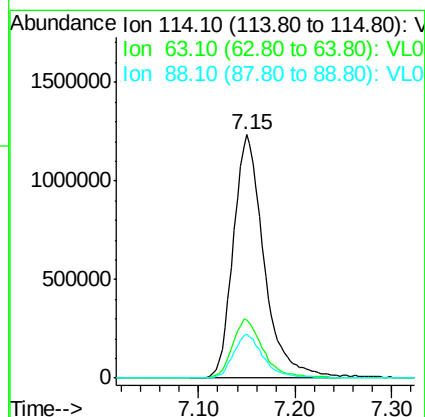
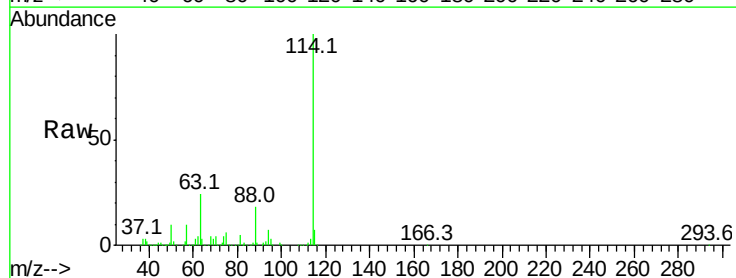
Tgt Ion: 114 Resp: 2718249

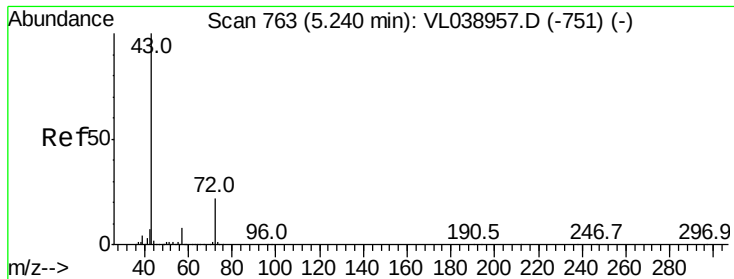
Ion Ratio Lower Upper

114 100

63 24.5 22.6 33.8

88 18.1 15.4 23.0





#34

2-Butanone

Concen: 2.21 ppbv

RT: 5.23 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: SV1DL

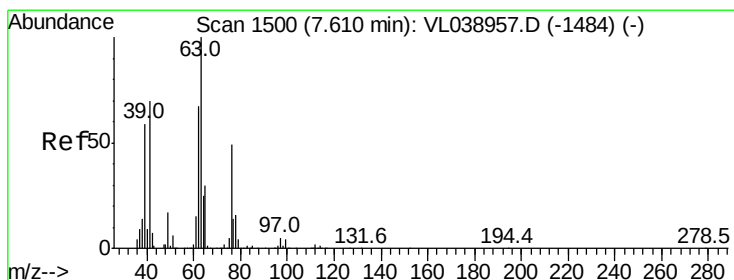
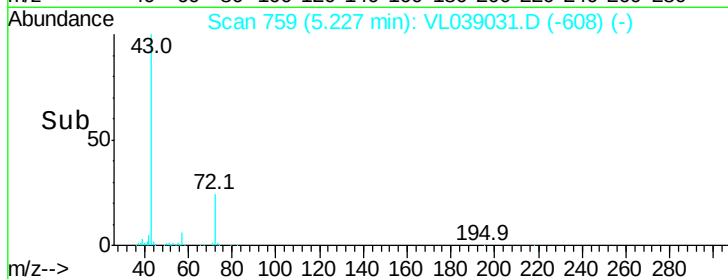
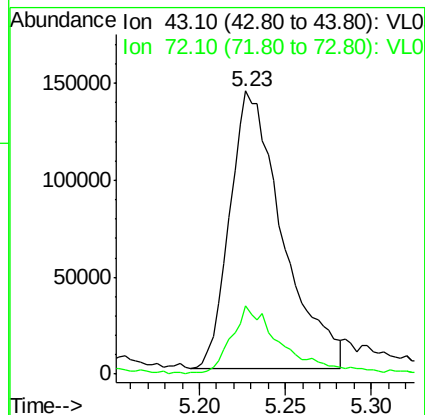
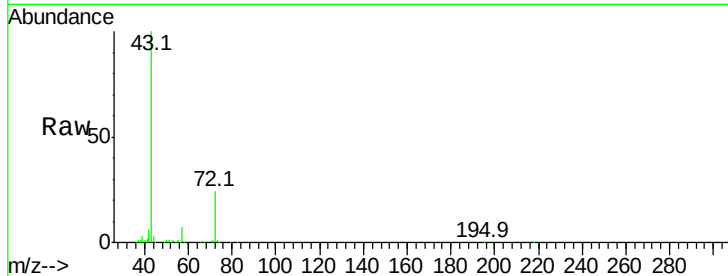
Acq: 11 May 2022 22:24

Tgt Ion: 43 Resp: 306435

Ion Ratio Lower Upper

43 100

72 24.6 17.8 26.6



#39

1,2-Dichloropropane

Concen: 7.13 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.46 min

Lab File: VL039031.D

Acq: 11 May 2022 22:24

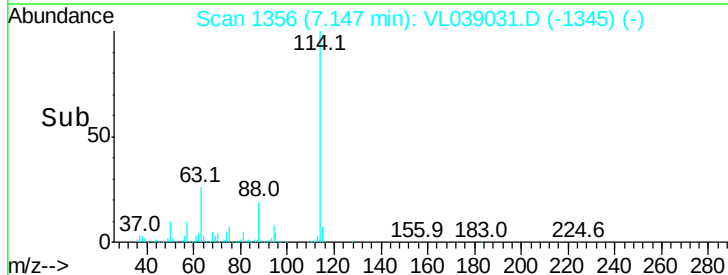
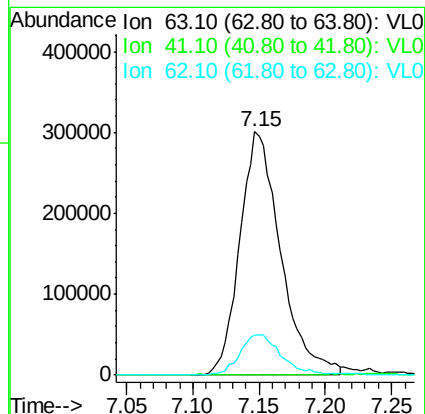
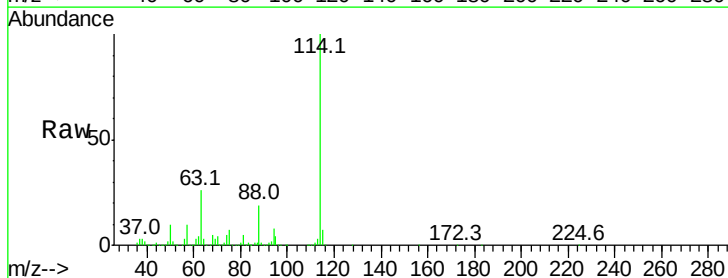
Tgt Ion: 63 Resp: 645230

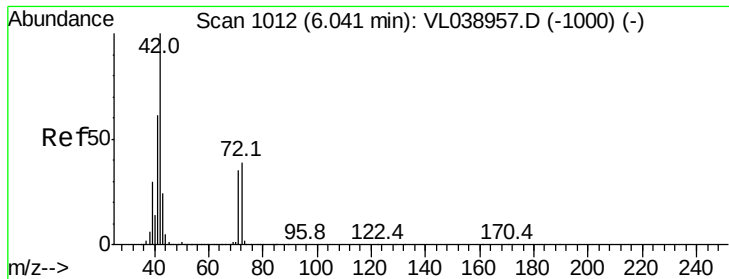
Ion Ratio Lower Upper

63 100

41 0.0 55.9 83.9#

62 16.4 53.8 80.6#





#41

Tetrahydrofuran

Concen: 2.06 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV1DL

Acq: 11 May 2022 22:24

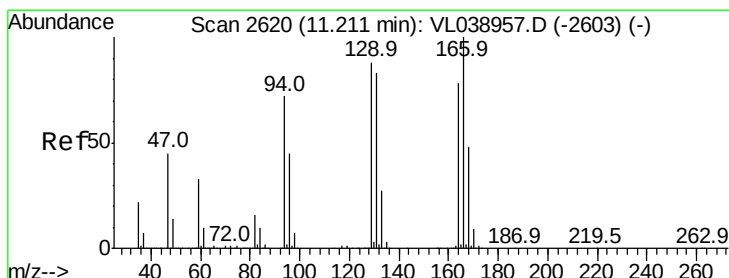
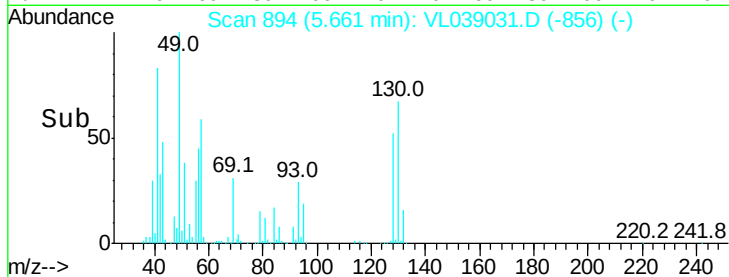
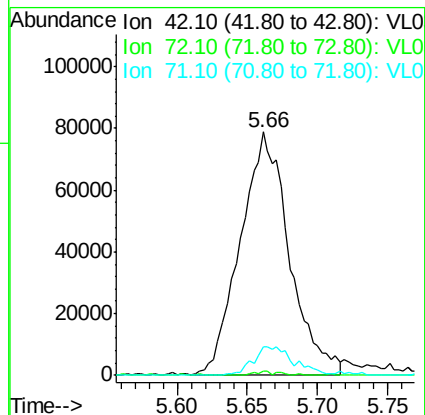
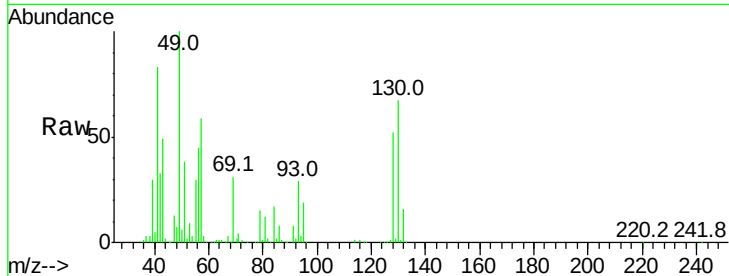
Tgt Ion: 42 Resp: 192039

Ion Ratio Lower Upper

42 100

72 1.1 31.8 47.6#

71 10.3 30.6 45.8#



#52

Tetrachloroethene

Concen: 0.14 ppbv

RT: 11.18 min Scan# 2611

Delta R.T. -0.03 min

Lab File: VL039031.D

Acq: 11 May 2022 22:24

Tgt Ion: 164 Resp: 11916

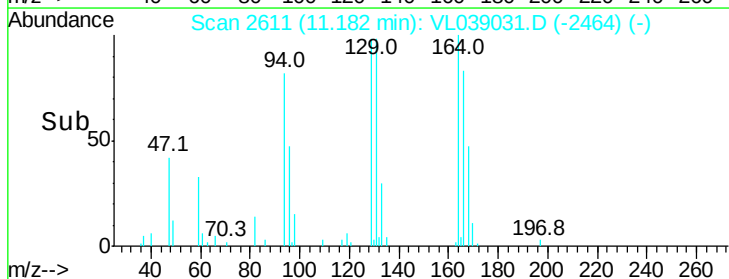
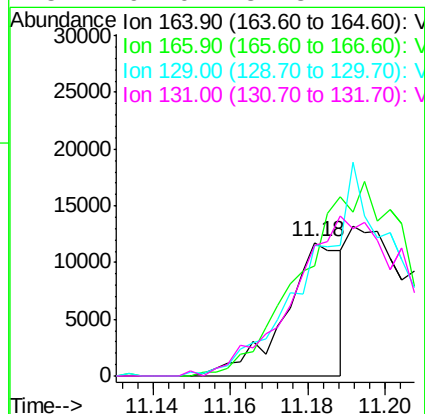
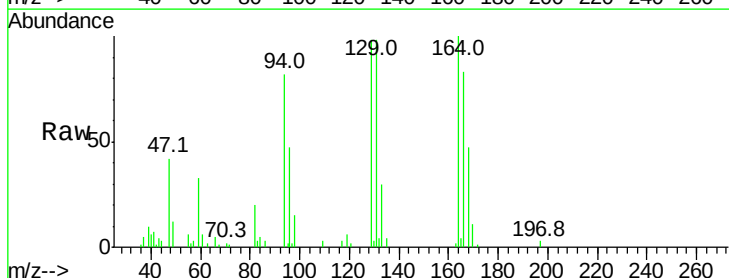
Ion Ratio Lower Upper

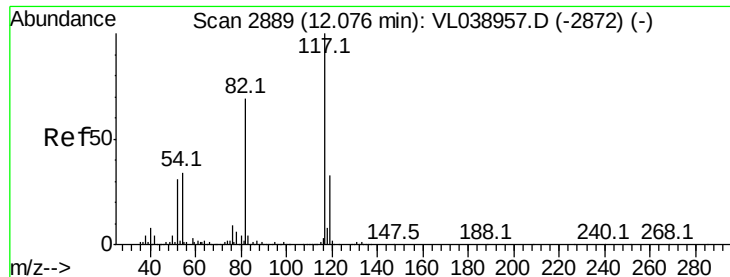
164 100

166 82.8 102.5 153.7#

129 95.5 90.1 135.1

131 94.0 84.8 127.2

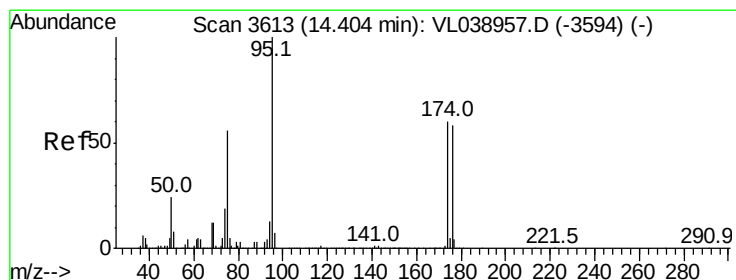
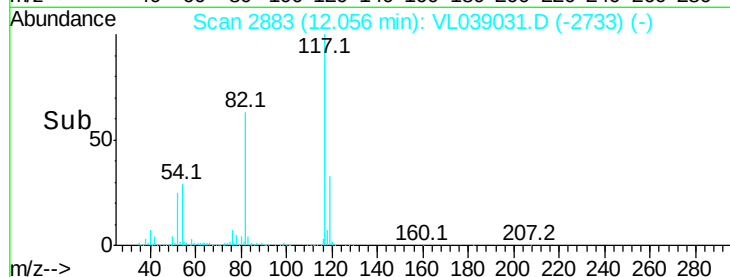
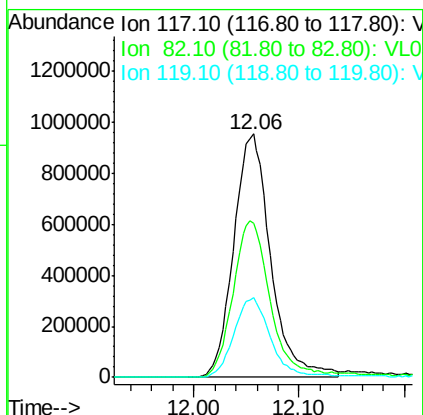
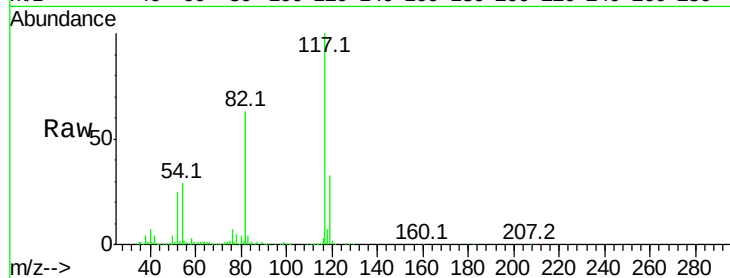




#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.06 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV1DL
 Acq: 11 May 2022 22:24

Tgt Ion: 117 Resp: 2322510

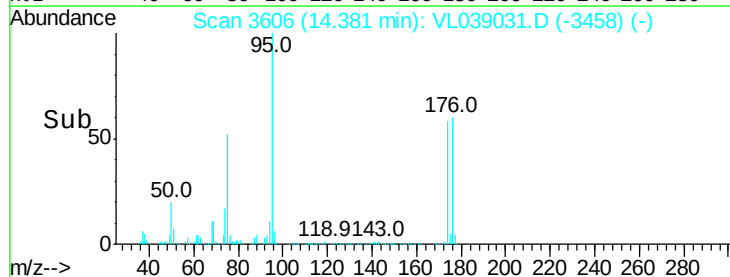
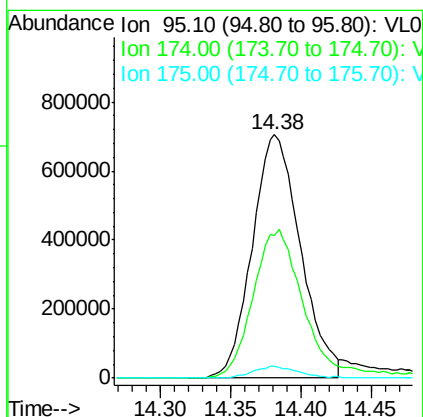
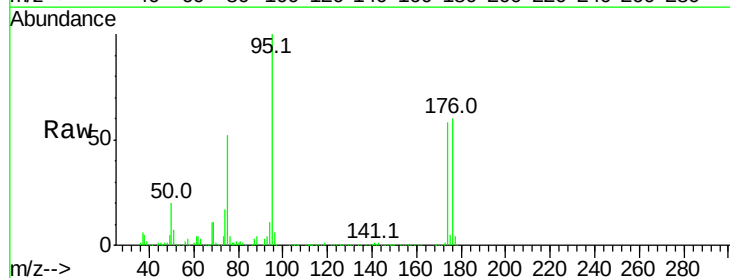
Ion	Ratio	Lower	Upper
117	100		
82	67.3	57.0	85.6
119	33.3	27.2	40.8

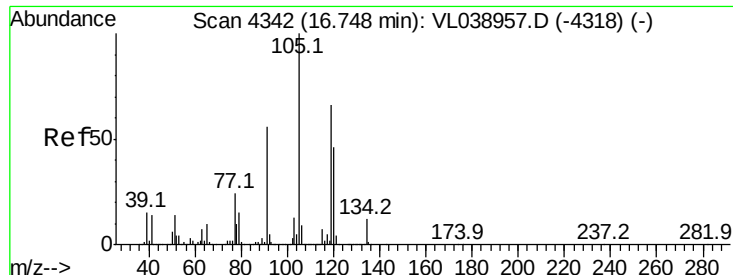


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.14 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T.: -0.02 min
 Lab File: VL039031.D
 Acq: 11 May 2022 22:24

Tgt Ion: 95 Resp: 1681051

Ion	Ratio	Lower	Upper
95	100		
174	68.1	50.8	76.2
175	5.1	3.8	5.6





#74

1,2,4-Trimethylbenzene

Concen: 0.05 ppbv

RT: 16.73 Instrument:

Delta R.T MSVOA_L

Lab File: ClientSampleId :

SV1DL

Acq: 11 May 2022 22.24

Tgt Ion:105 Resp: 14249

Ion Ratio Lower Upper

105 100

120 40.4 36.9 55.3

91 9.3 45.0 67.4#

77 2.5 19.2 28.8#

