

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062222\
 Data File : VL039329.D
 Acq On : 22 Jun 2022 20:53
 Operator : SY/AP
 Sample : N3214-13 LOD 0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT2-2022

Quant Time: Jun 23 07:28:54 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1109836	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3077594	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2737162	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2112736	9.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.40%

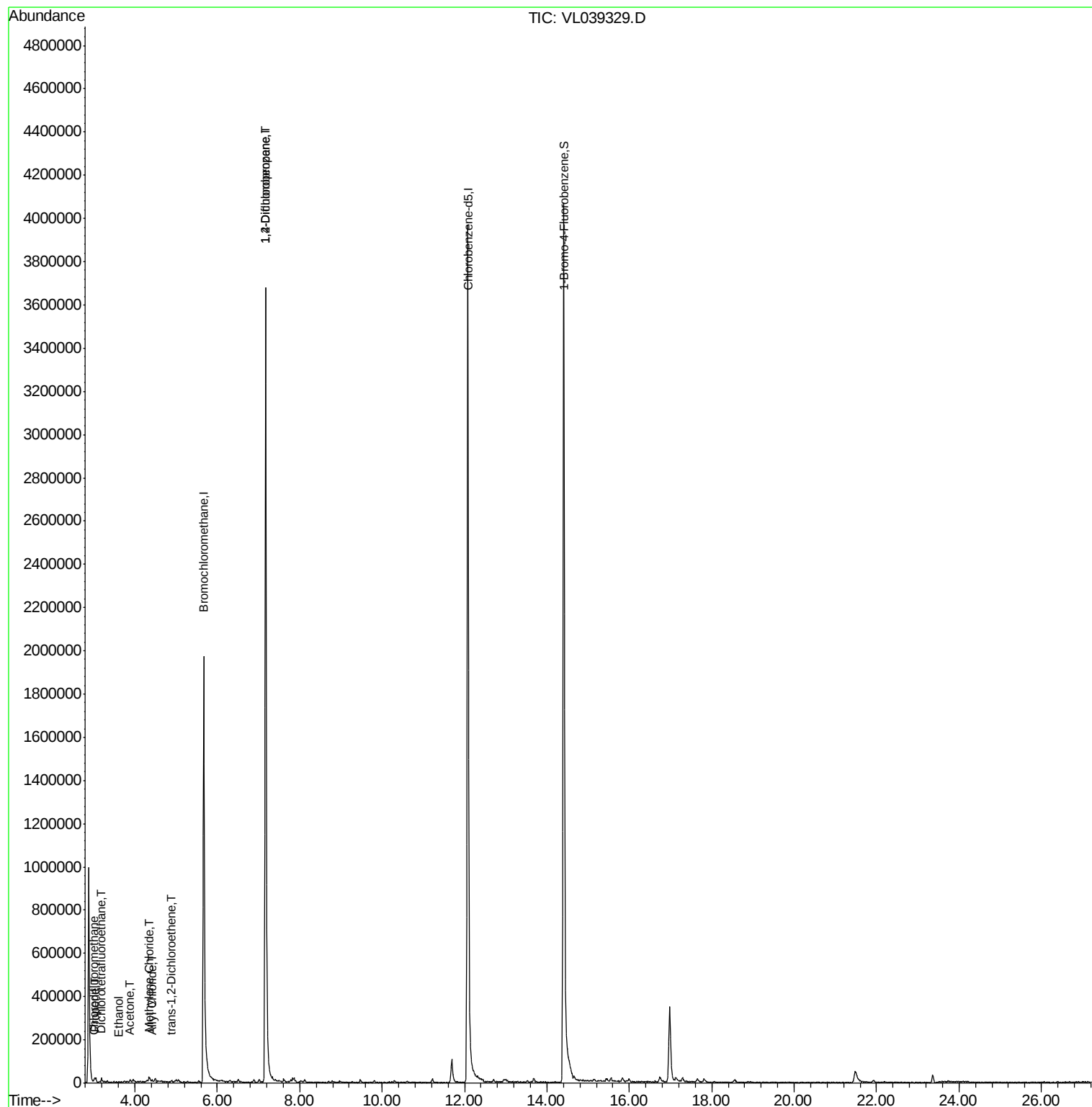
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	6204	0.044	ppbv #	89
8) Dichlorotetrafluoroethane	3.19	85	7207	0.040	ppbv	88
9) Propene	3.02	41	3746	0.061	ppbv #	21
13) Ethanol	3.61	45	294	0.088	ppbv #	100
15) Acetone	3.88	43	10512	0.091	ppbv	90
20) Methylene Chloride	4.35	84	4573	0.094	ppbv	84
21) Allyl Chloride	4.41	41	3465	0.044	ppbv #	74
22) trans-1,2-Dichloroethene	4.88	96	1682	0.033	ppbv #	57
39) 1,2-Dichloropropane	7.17	63	769730	7.745	ppbv #	24

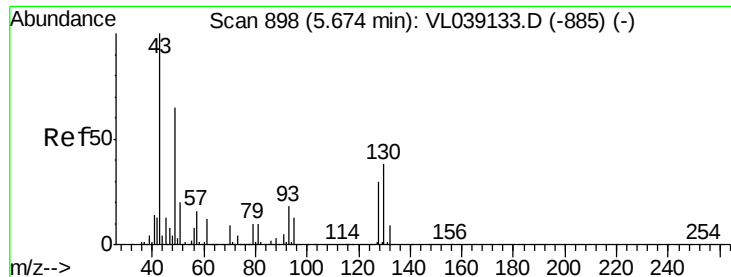
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062222\
Data File : VL039329.D
Acq On : 22 Jun 2022 20:53
Operator : SY/AP
Sample : N3214-13 LOD 0.03
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT2-2022

Quant Time: Jun 23 07:28:54 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 20:55

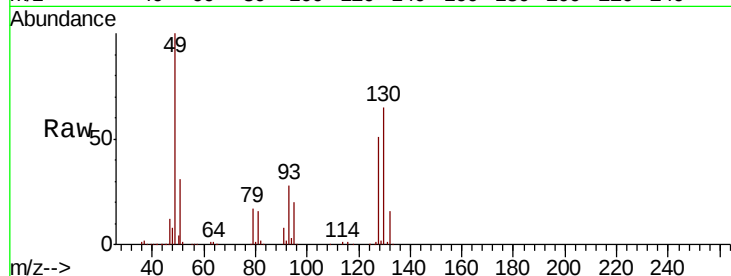
Tot Ion: 49 Resp: 1109836

Ion Ratio Lower Upper

49 100

128 52.2 24.7 74.1

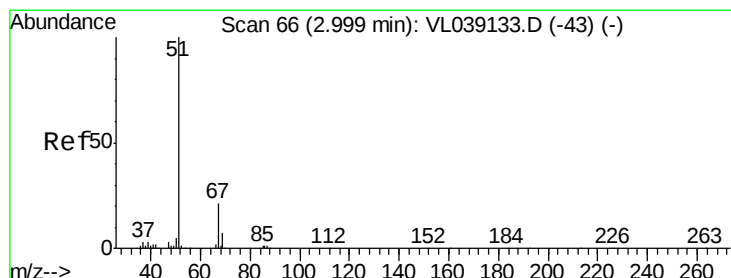
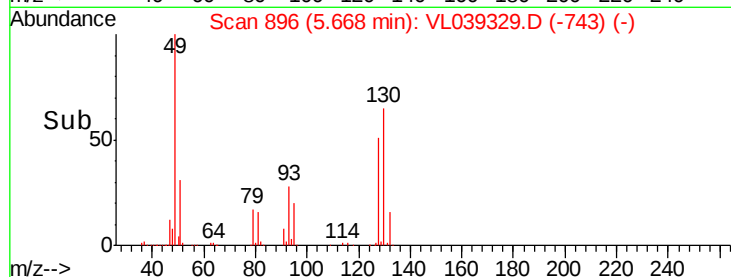
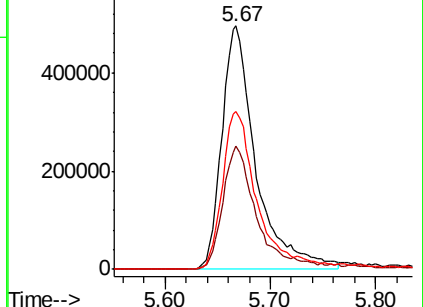
130 68.5 31.4 94.0



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



#3

Chlorodifluoromethane

Concen: 0.044 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL039329.D

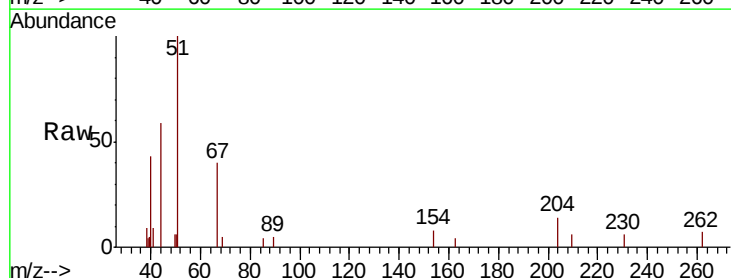
Acq: 22 Jun 2022 20:53

Tgt Ion: 51 Resp: 6204

Ion Ratio Lower Upper

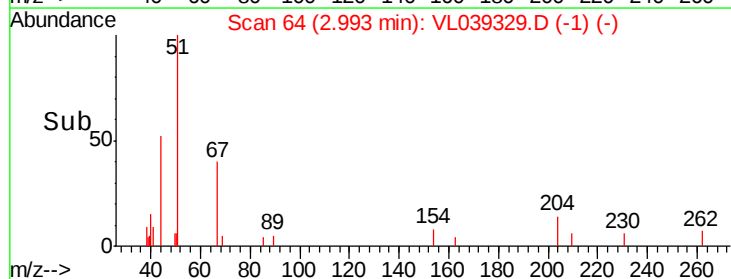
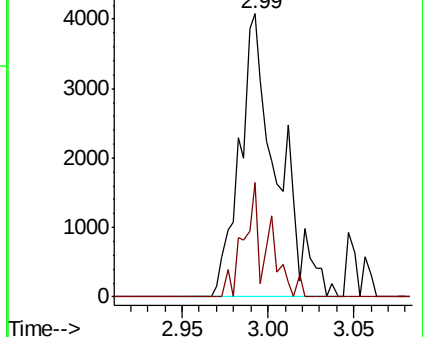
51 100

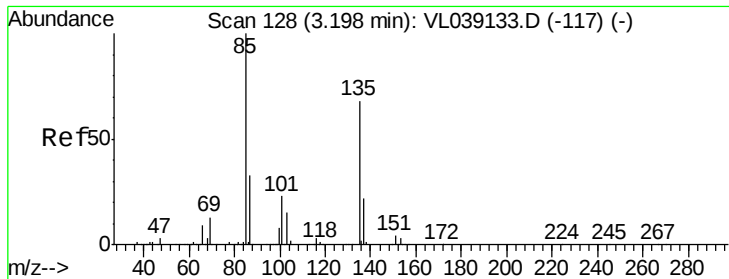
67 25.3 16.2 24.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.040 ppbv

RT: 3.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

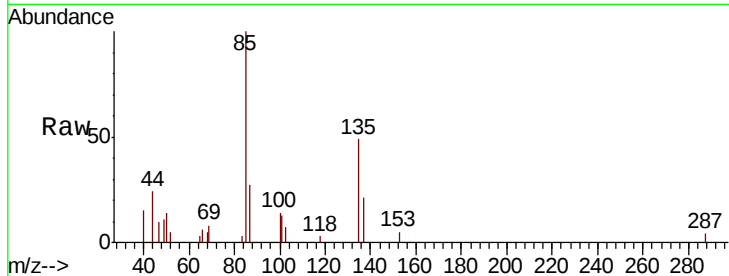
Acq: 22 Jun 2022 20:55 LOD-MDL-AIR-01-QT2-2022

Tot Ion: 85 Resp: 7207

Ion Ratio Lower Upper

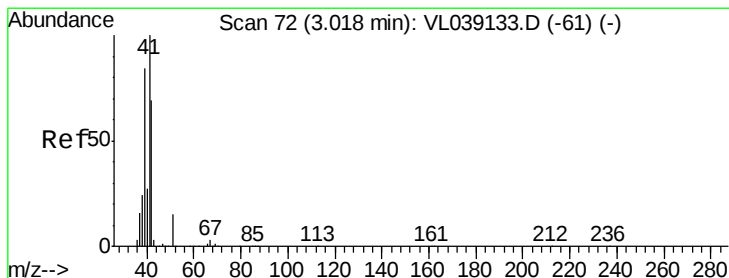
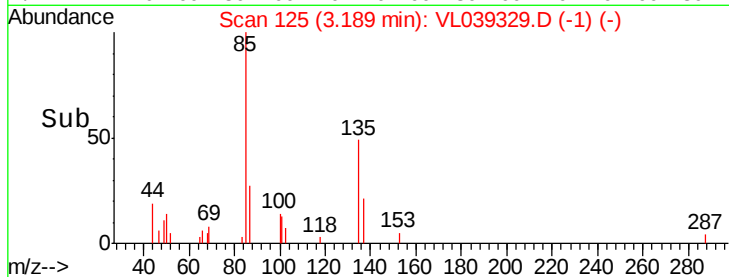
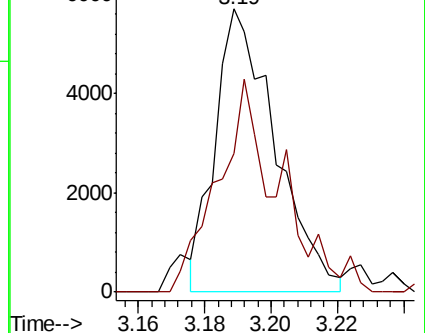
85 100

135 78.1 55.0 82.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



#9

Propene

Concen: 0.061 ppbv

RT: 3.02 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL039329.D

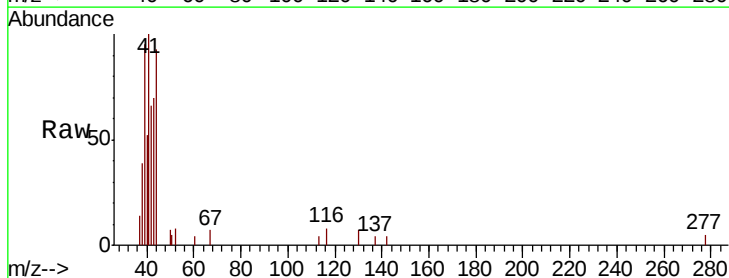
Acq: 22 Jun 2022 20:53

Tgt Ion: 41 Resp: 3746

Ion Ratio Lower Upper

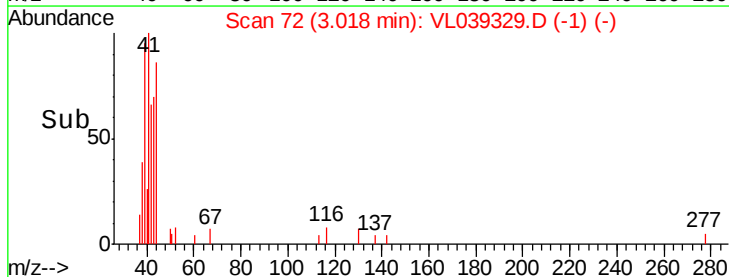
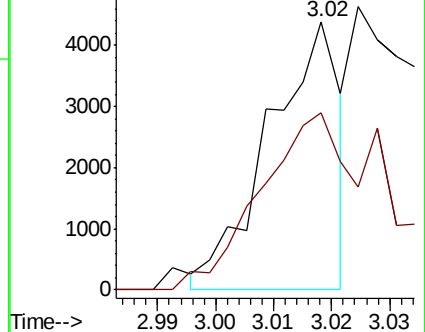
41 100

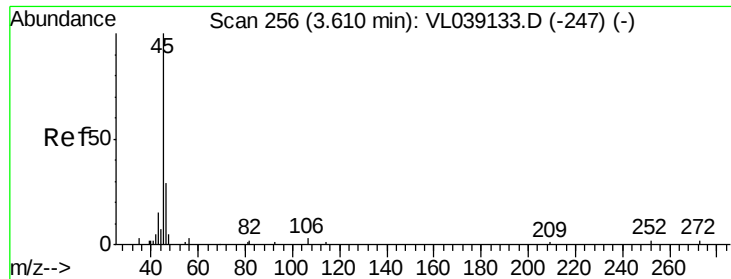
42 133.4 55.4 83.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.088 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

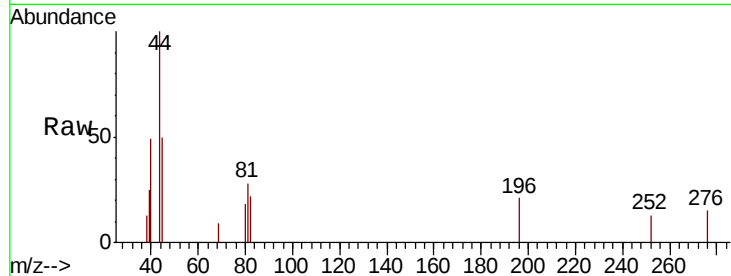
Acq: 22 Jun 2022 20:55 LOD-MDL-AIR-01-QT2-2022

Tot Ion: 45 Resp: 294

Ion Ratio Lower Upper

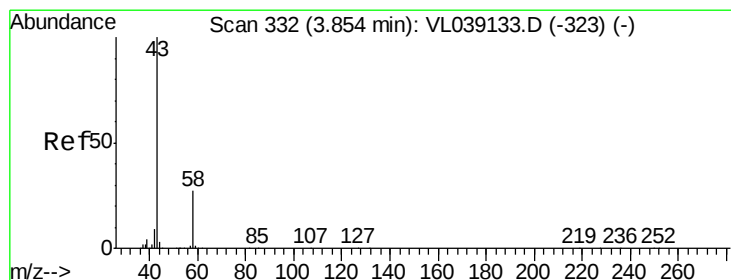
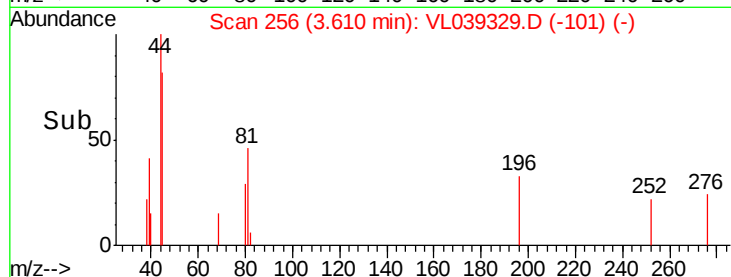
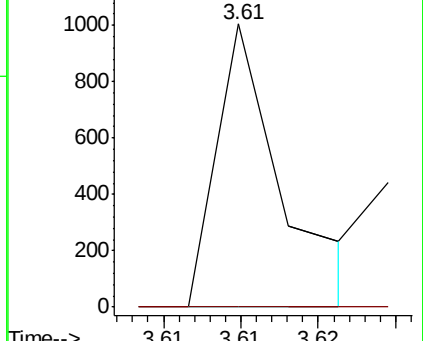
45 100

46 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.091 ppbv

RT: 3.88 min Scan# 339

Delta R.T. 0.02 min

Lab File: VL039329.D

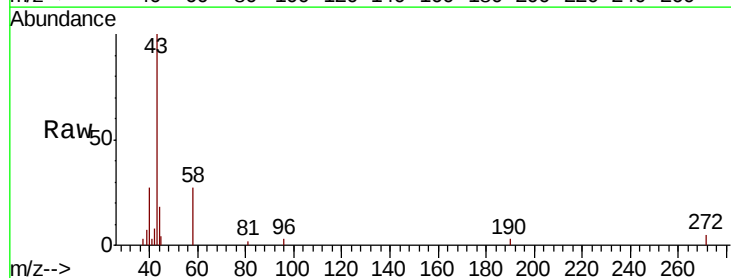
Acq: 22 Jun 2022 20:53

Tgt Ion: 43 Resp: 10512

Ion Ratio Lower Upper

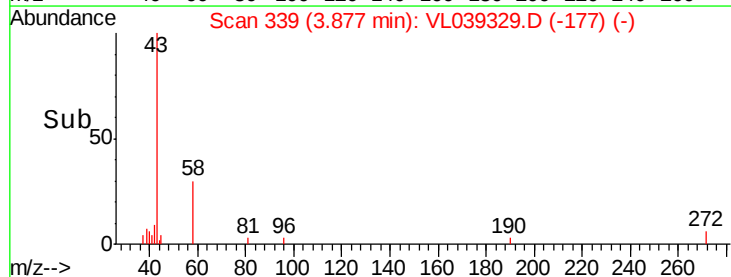
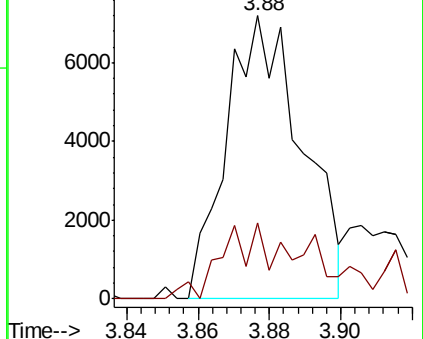
43 100

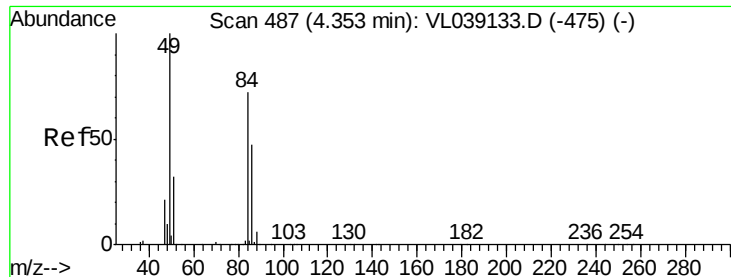
58 33.4 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.094 ppbv

RT: 4.35 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 20:55 LOD-MDL-AIR-01-QT2-2022

Tot Ion: 84 Resp: 4573

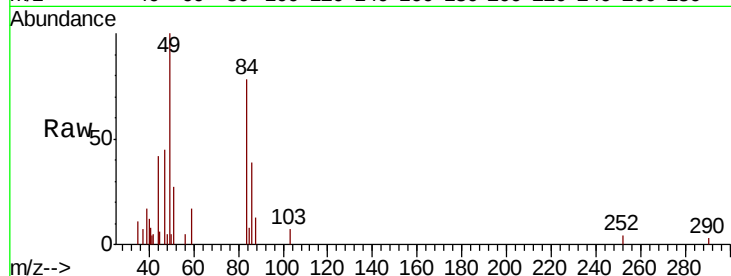
Ion Ratio Lower Upper

84 100

49 116.0 111.1 166.7

51 37.1 35.3 52.9

86 54.6 51.9 77.9

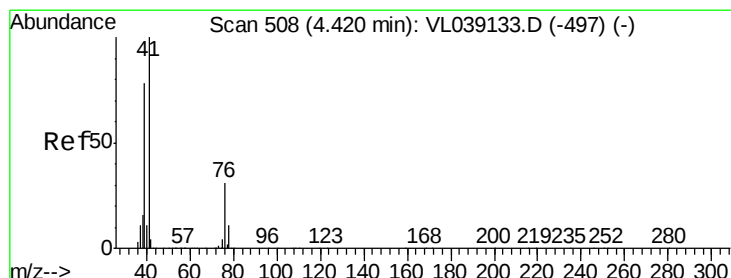
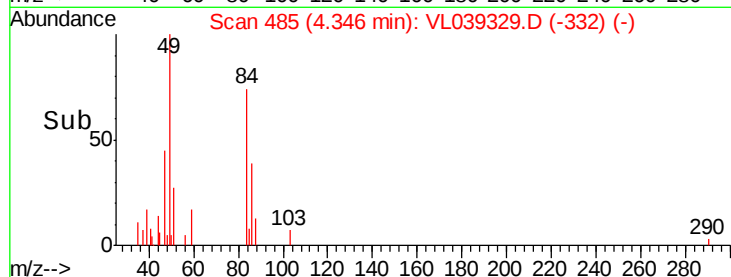
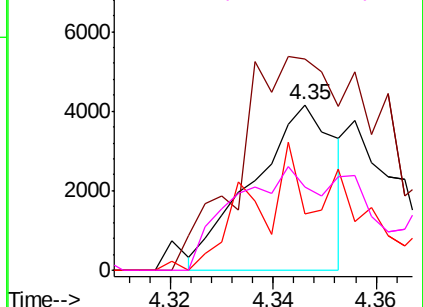


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#21

Allyl Chloride

Concen: 0.044 ppbv

RT: 4.41 min Scan# 506

Delta R.T. -0.01 min

Lab File: VL039329.D

Acq: 22 Jun 2022 20:53

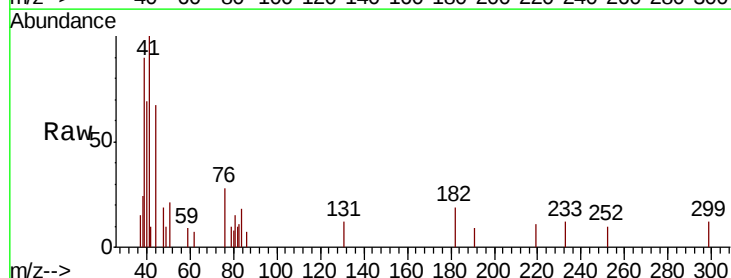
Tgt Ion: 41 Resp: 3465

Ion Ratio Lower Upper

41 100

76 30.3 24.2 36.2

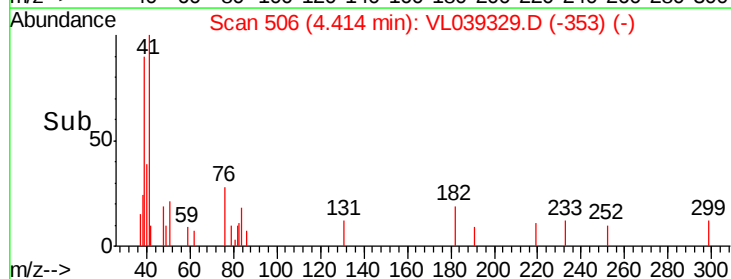
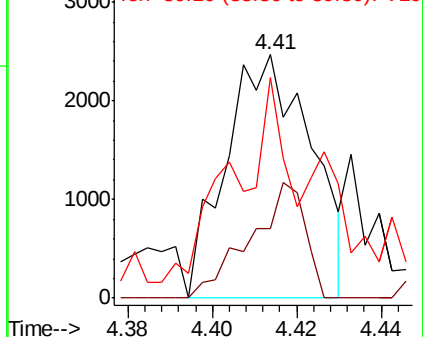
39 109.4 62.2 93.2#

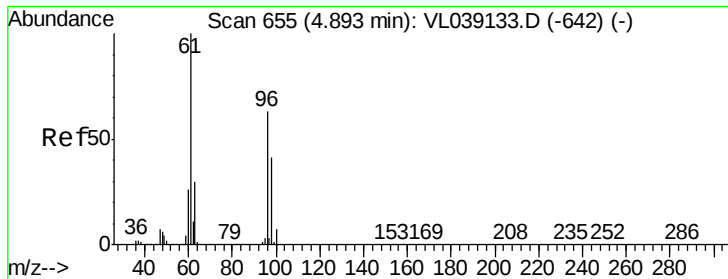


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.033 ppbv

RT: 4.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 20:55 LOD-MDL-AIR-01-QT2-2022

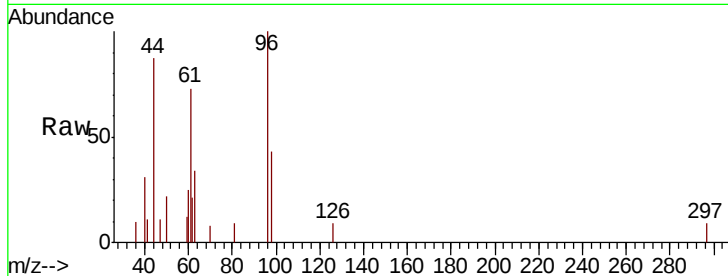
Tot Ion: 96 Resp: 1682

Ion Ratio Lower Upper

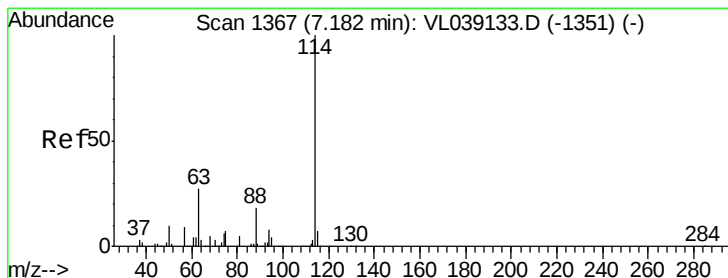
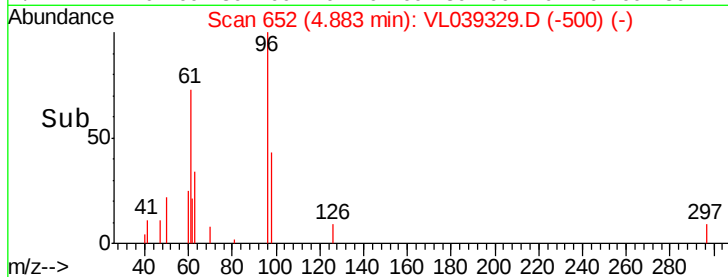
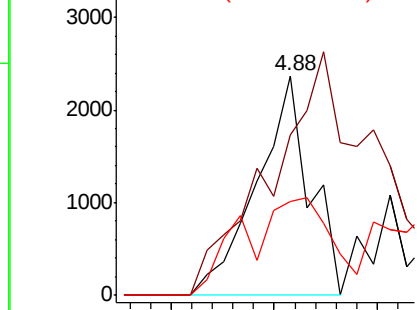
96 100

61 94.5 126.6 190.0#

98 42.6 52.5 78.7#



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL039329.D

Acq: 22 Jun 2022 20:53

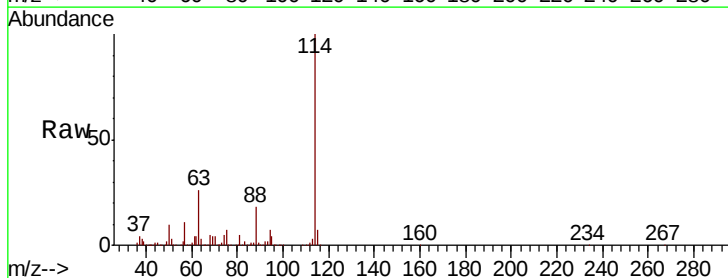
Tgt Ion:114 Resp: 3077594

Ion Ratio Lower Upper

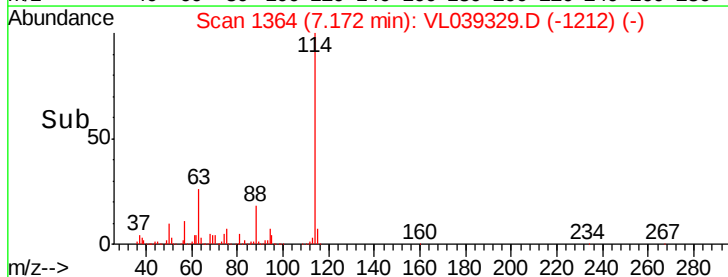
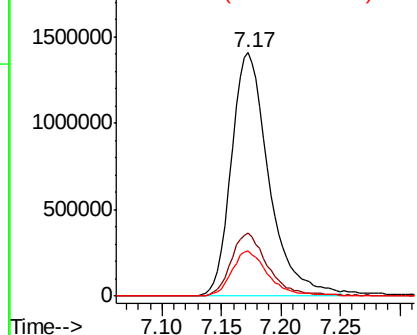
114 100

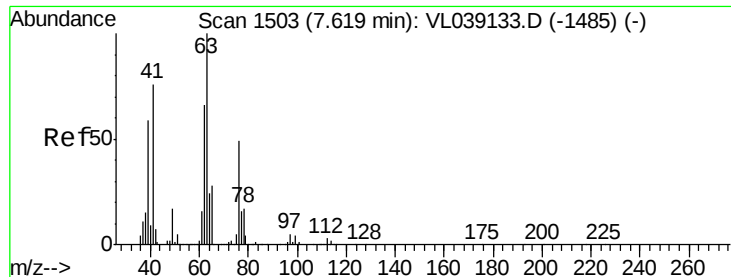
63 25.8 21.7 32.5

88 18.2 14.8 22.2



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: 7.745 ppbv

RT: 7.17 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 22 Jun 2022 20:55 LOD-MDL-AIR-01-QT2-2022

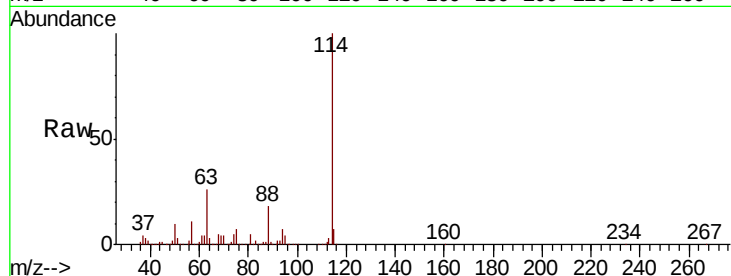
Tot Ion: 63 Resp: 769730

Ion Ratio Lower Upper

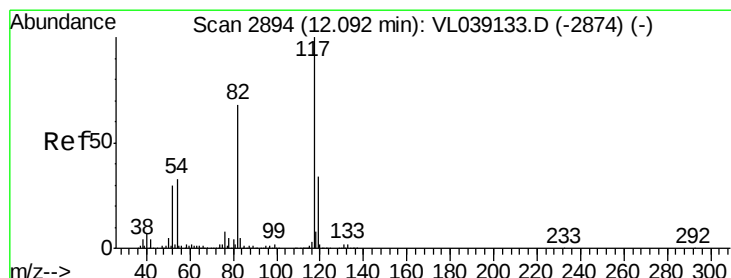
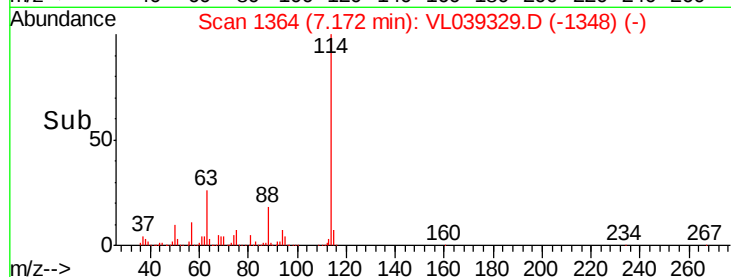
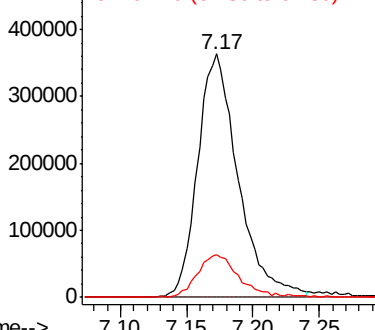
63 100

41 0.1 60.8 91.2#

62 17.3 52.9 79.3#



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: 12.08 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL039329.D

Acq: 22 Jun 2022 20:53

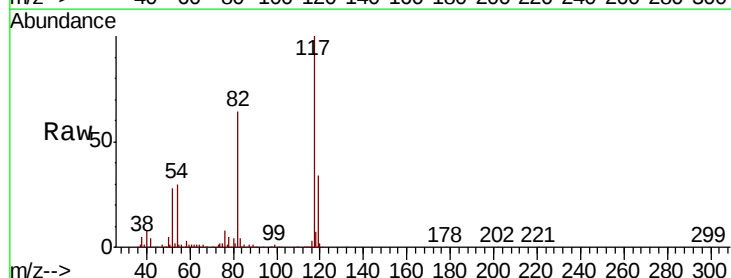
Tgt Ion: 117 Resp: 2737162

Ion Ratio Lower Upper

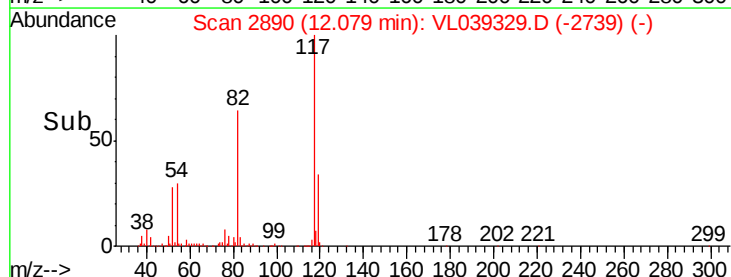
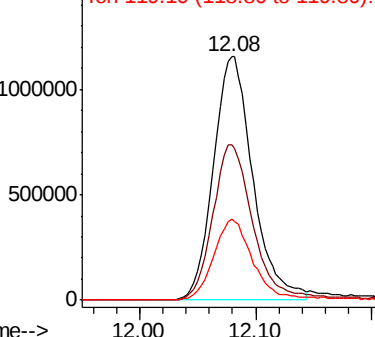
117 100

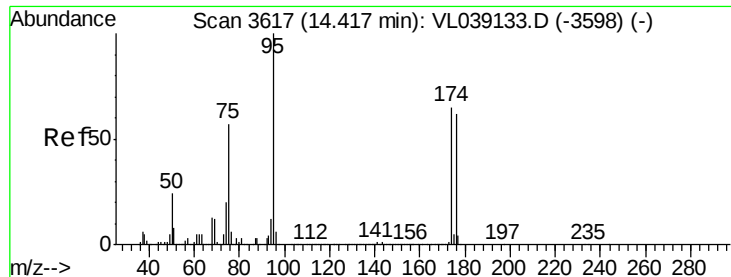
82 66.9 55.1 82.7

119 33.7 24.7 37.1



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: 9.336 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Jun 2022 20:55

Tot Ion: 95 Resp: 2112736

Ion Ratio Lower Upper

95 100

174 71.3 53.8 80.8

175 5.2 4.1 6.1

