

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038653.D
 Acq On : 21 Mar 2022 15:45
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Mar 21 16:48:47 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 15:04:50 2022
 QLast Update : Mon Mar 21 15:04:50 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	911237	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2340744	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2068735	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1564512	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

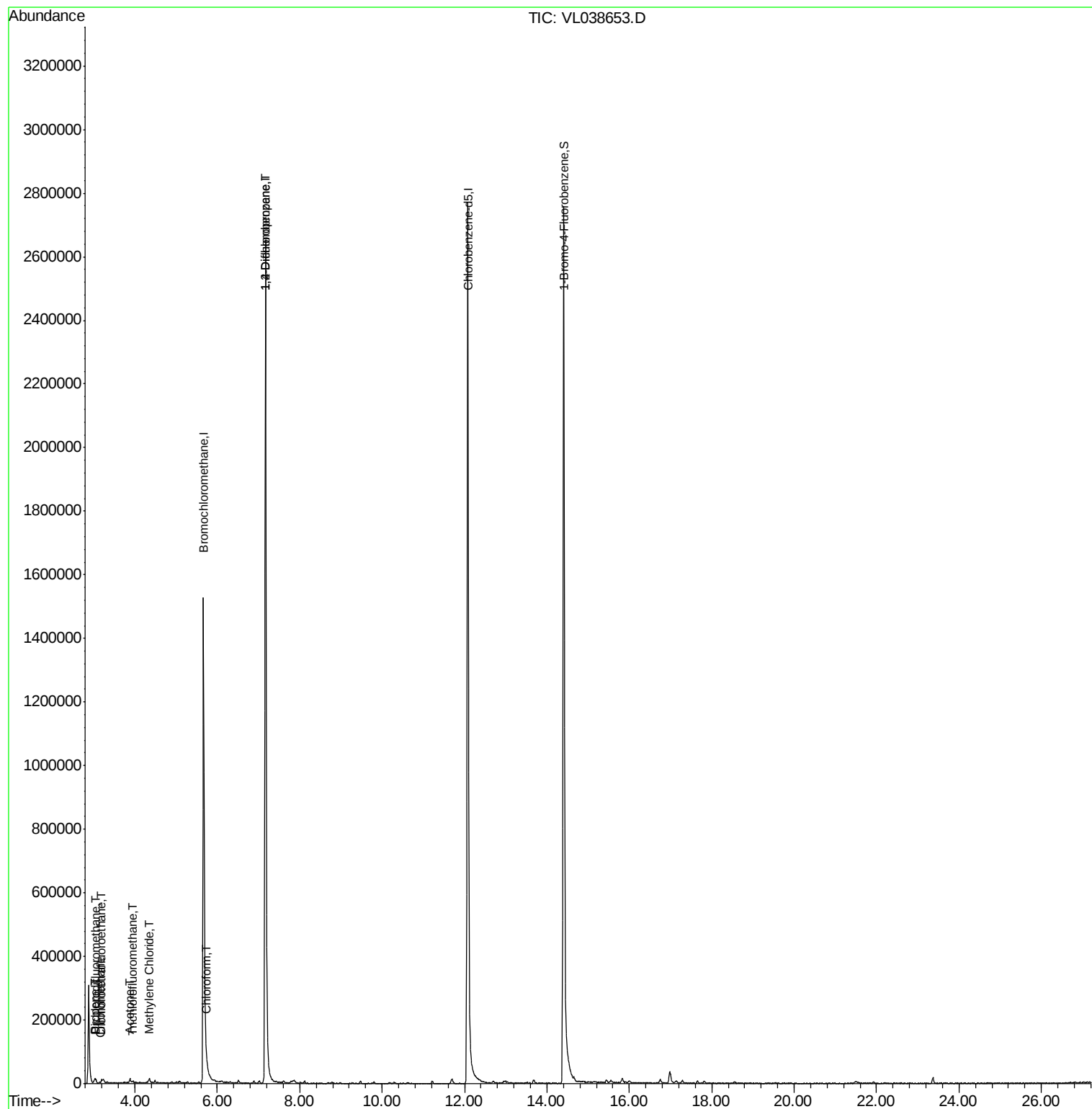
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	5749	0.04	ppbv	91
4) Chloromethane	3.14	50	2036	0.03	ppbv	94
8) Dichlorotetrafluoroethane	3.19	85	5292	0.04	ppbv	99
9) Propene	3.02	41	5528	0.10	ppbv	100
11) Trichlorofluoromethane	3.95	101	4173	0.03	ppbv	90
15) Acetone	3.88	43	16953	0.26	ppbv #	82
20) Methylene Chloride	4.34	84	5029	0.13	ppbv	93
29) Chloroform	5.75	83	5667	0.04	ppbv #	81
39) 1,2-Dichloropropane	7.17	63	551596	6.79	ppbv #	28

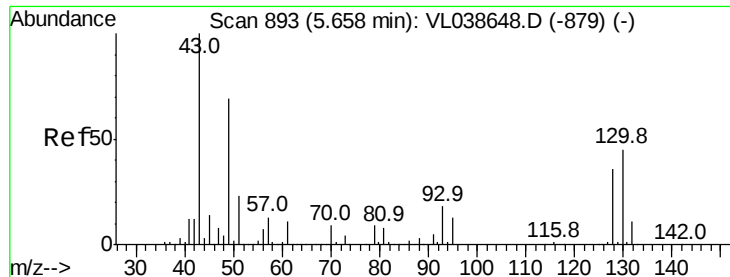
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 21 Mar 2022 15:45 VSTDIC0.03

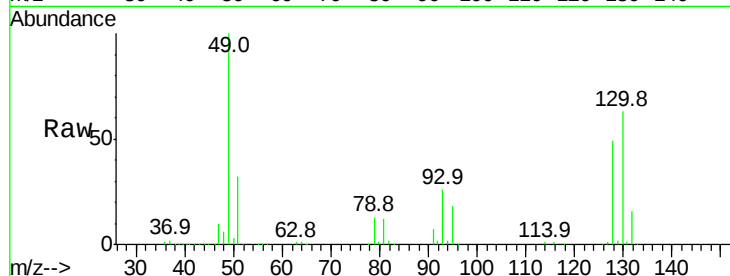
Tgt Ion: 49 Resp: 911237

Ion Ratio Lower Upper

49 100

128 53.3 26.2 78.6

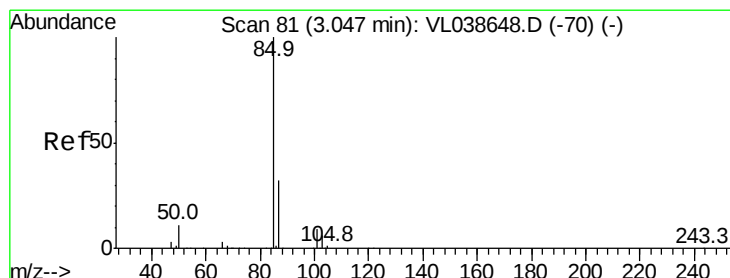
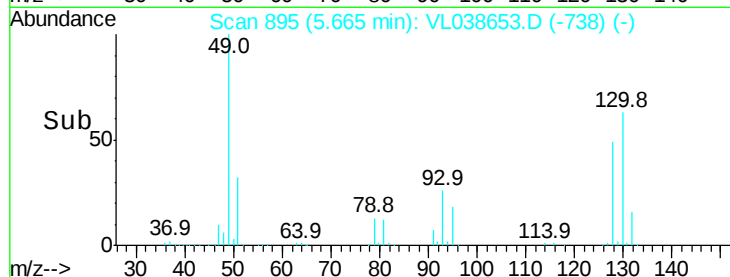
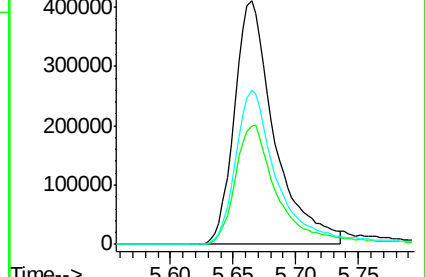
130 68.7 33.7 101.1



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: 0.04 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038653.D

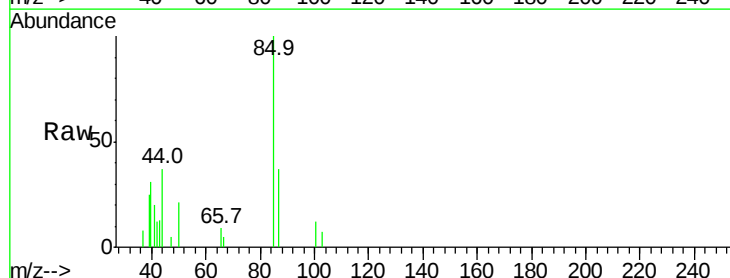
Acq: 21 Mar 2022 15:45

Tgt Ion: 85 Resp: 5749

Ion Ratio Lower Upper

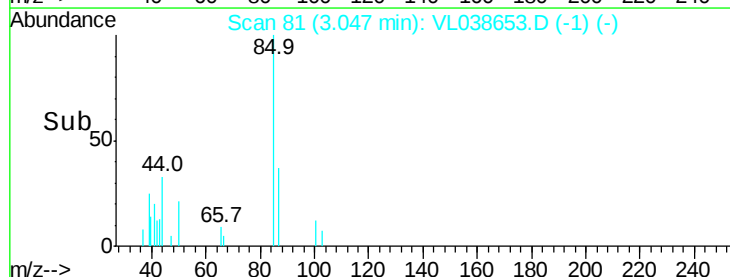
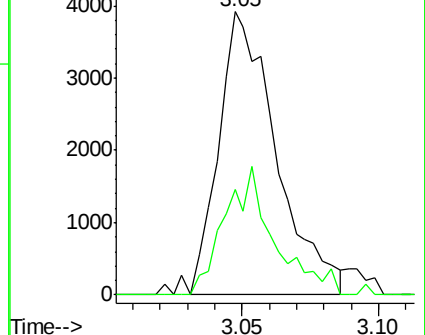
85 100

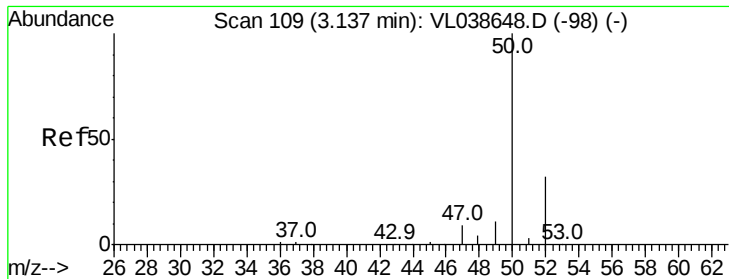
87 37.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VSTDIC00.03

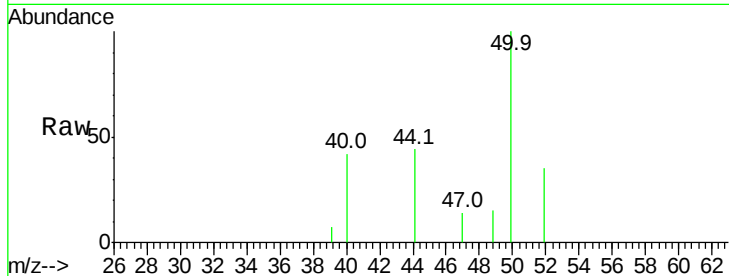
Acq: 21 Mar 2022 15:45

Tgt Ion: 50 Resp: 2036

Ion Ratio Lower Upper

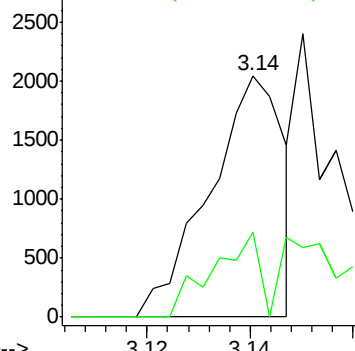
50 100

52 35.4 25.5 38.3

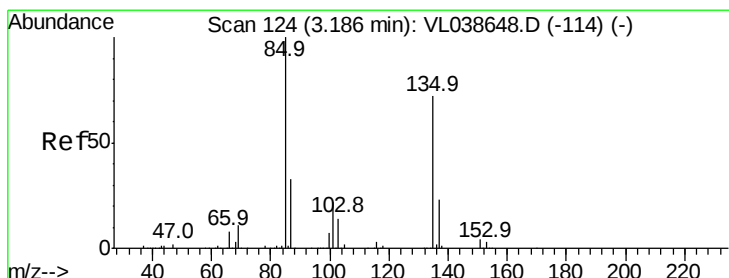
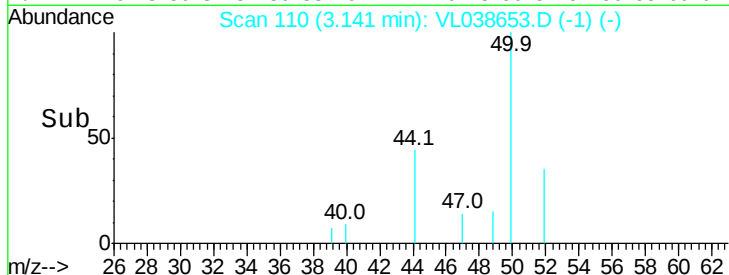


Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 0.04 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL038653.D

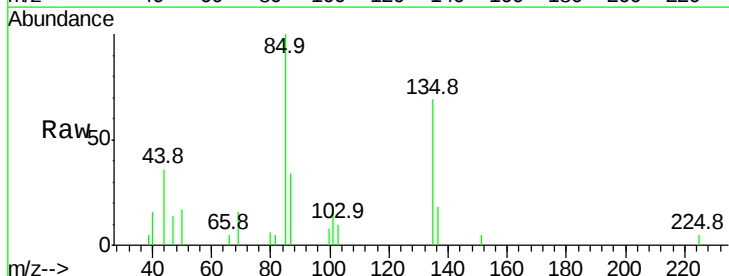
Acq: 21 Mar 2022 15:45

Tgt Ion: 85 Resp: 5292

Ion Ratio Lower Upper

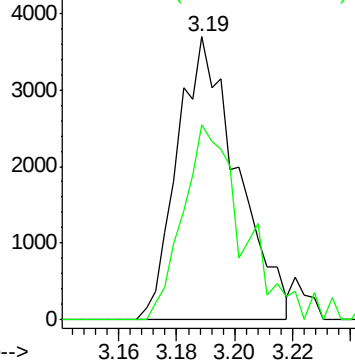
85 100

135 71.7 57.8 86.6

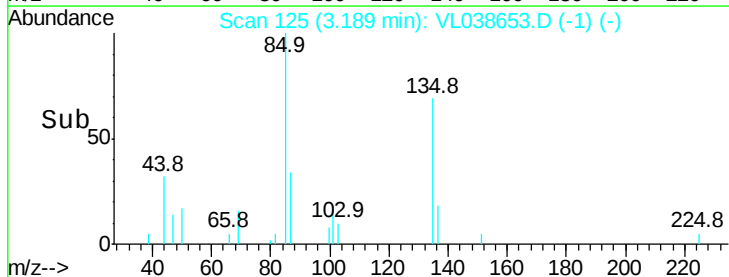


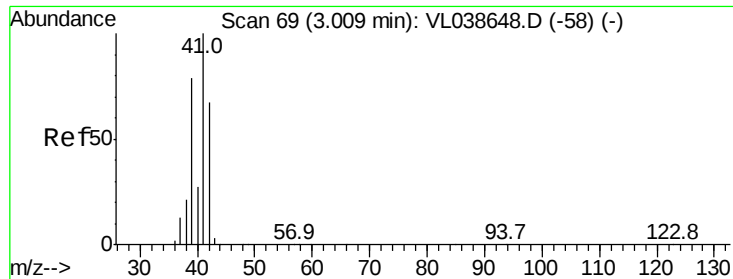
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





#9

Propene

Concen: 0.10 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.03

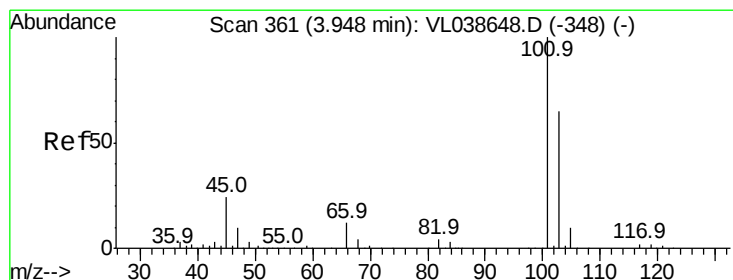
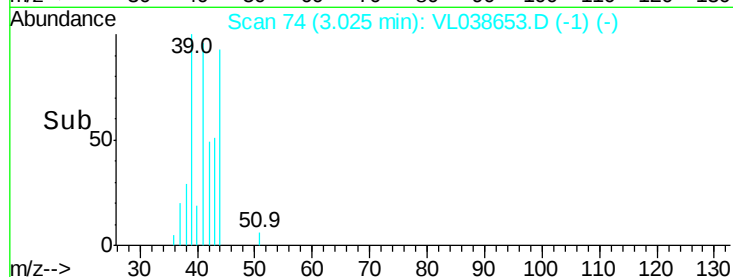
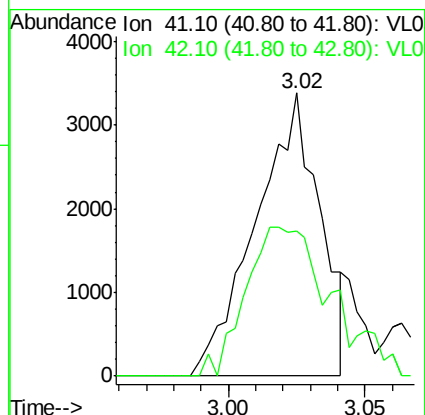
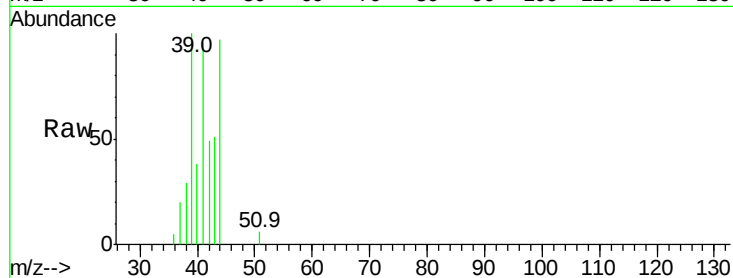
Acq: 21 Mar 2022 15:45

Tgt Ion: 41 Resp: 5528

Ion Ratio Lower Upper

41 100

42 70.3 56.2 84.4



#11

Trichlorofluoromethane

Concen: 0.03 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL038653.D

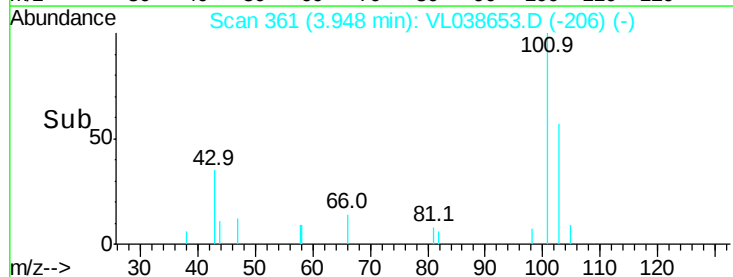
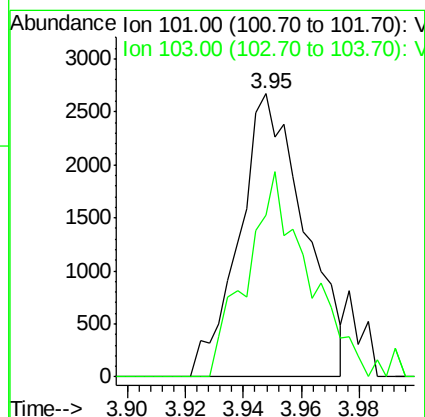
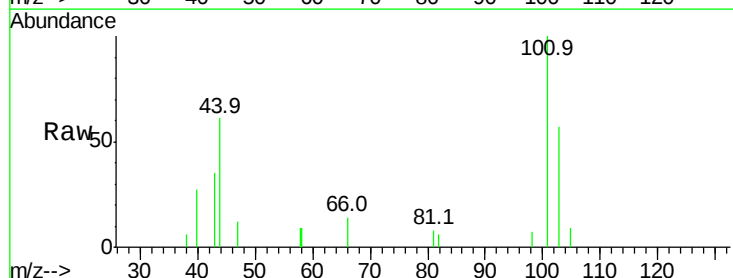
Acq: 21 Mar 2022 15:45

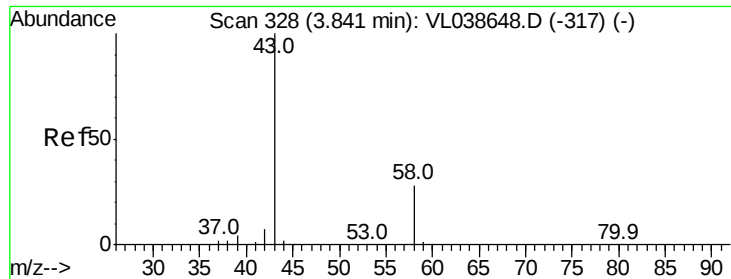
Tgt Ion: 101 Resp: 4173

Ion Ratio Lower Upper

101 100

103 57.1 51.9 77.9





#15

Acetone

Concen: 0.26 ppbv

RT: 3.88 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

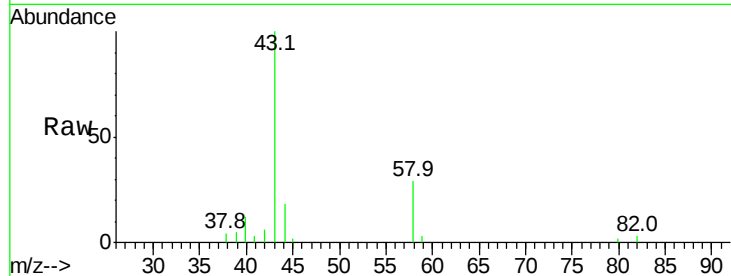
Acq: 21 Mar 2022 15:45 VSTDIC0.03

Tgt Ion: 43 Resp: 16953

Ion Ratio Lower Upper

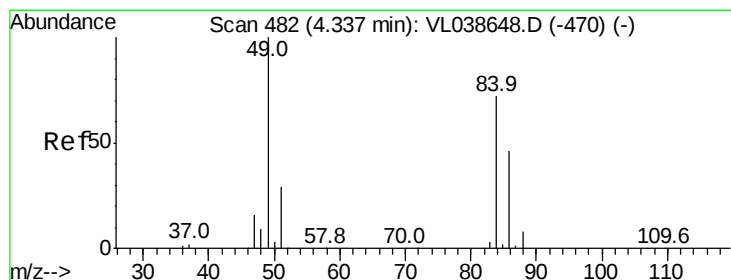
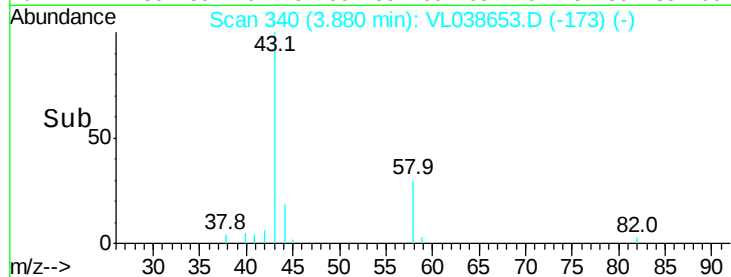
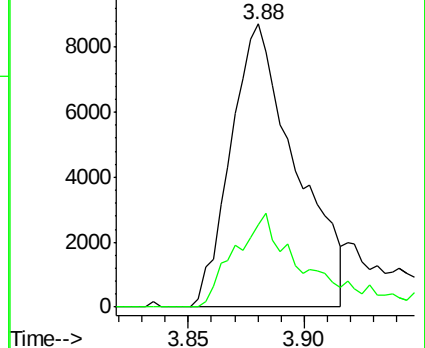
43 100

58 38.6 23.3 34.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.13 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL038653.D

Acq: 21 Mar 2022 15:45

Tgt Ion: 84 Resp: 5029

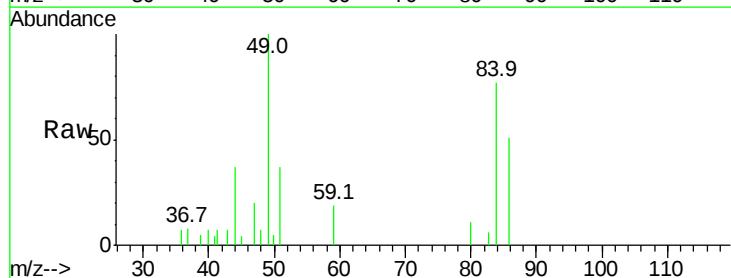
Ion Ratio Lower Upper

84 100

49 130.1 111.2 166.8

51 48.1 32.8 49.2

86 65.8 51.4 77.0

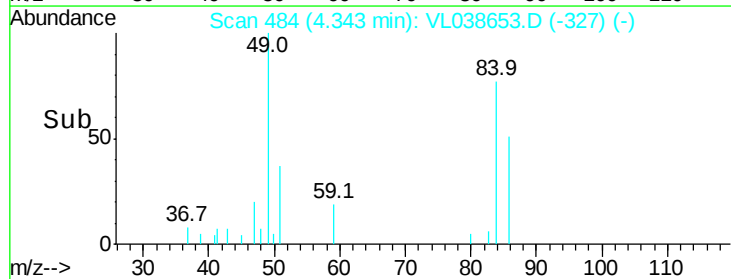
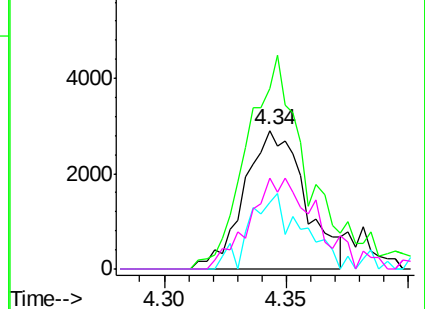


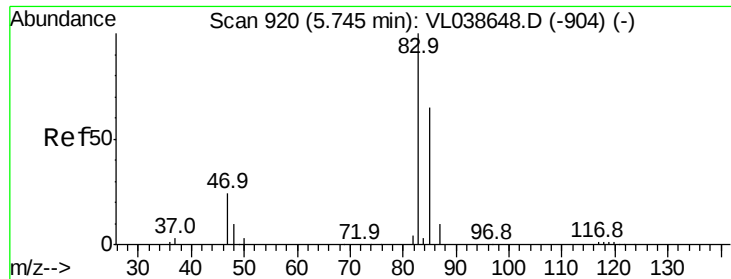
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

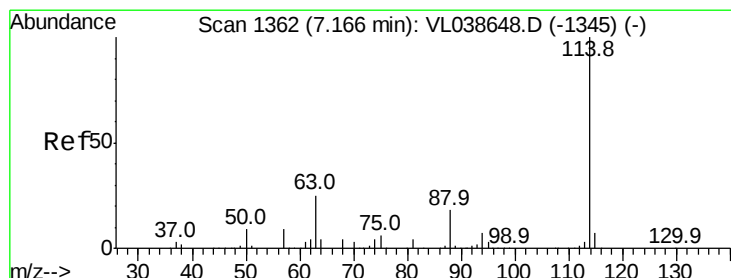
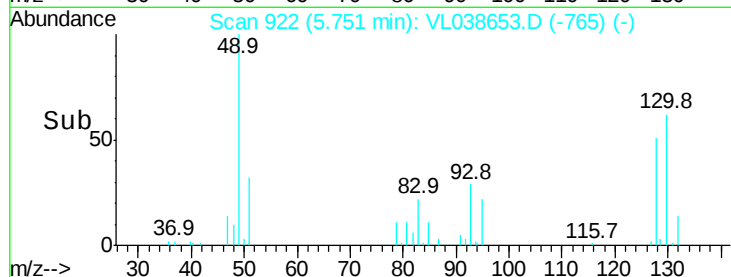
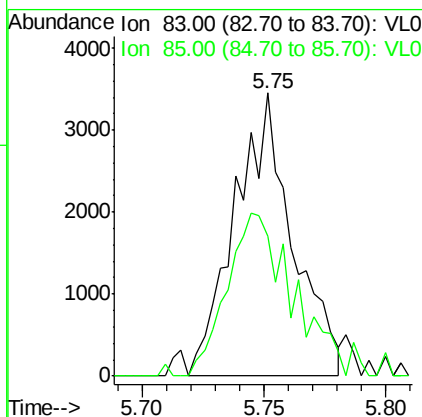
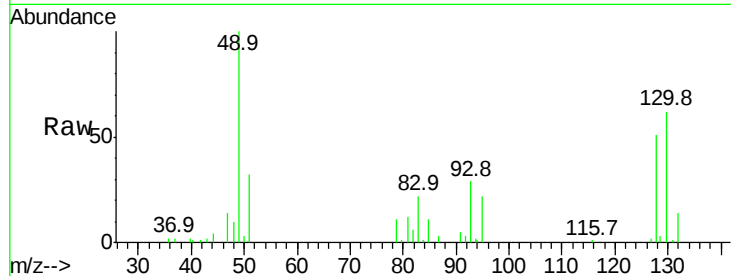
Ion 86.00 (85.70 to 86.70): VL0





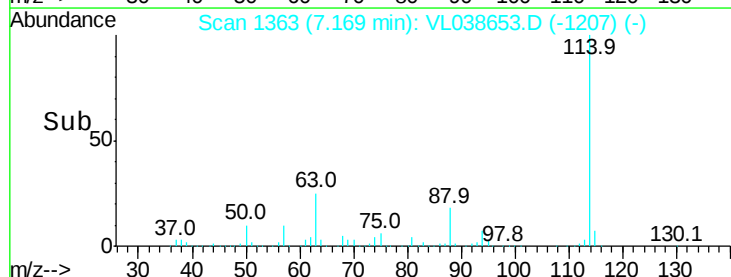
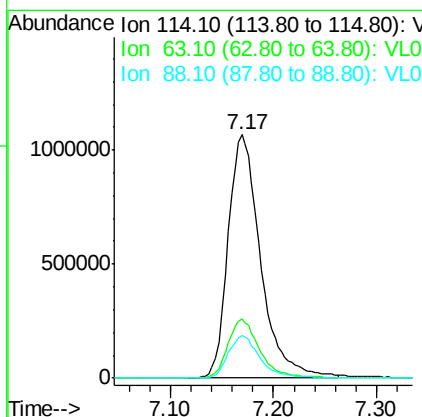
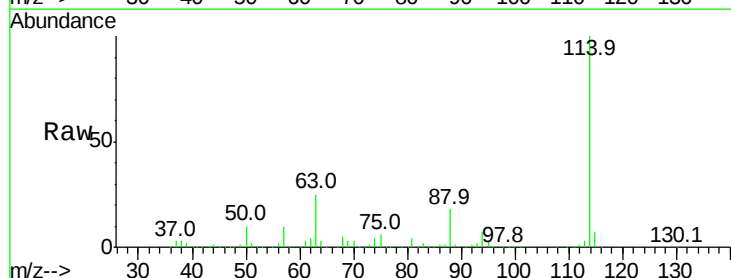
#29
 Chloroform
 Concen: 0.04 ppbv
 RT: 5.75 Instrument : MSVOA_1
 Delta R.T.: ClientSampleId :
 Lab File: VSTDIC0.03
 Acq: 21 Mar 2022 15:45

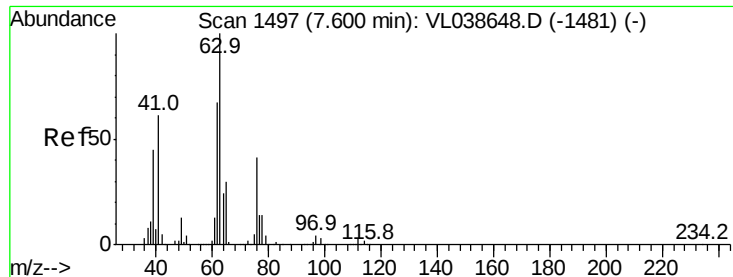
Tgt Ion: 83 Resp: 5667
 Ion Ratio Lower Upper
 83 100
 85 49.4 51.7 77.5#



#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VL038653.D
 Acq: 21 Mar 2022 15:45

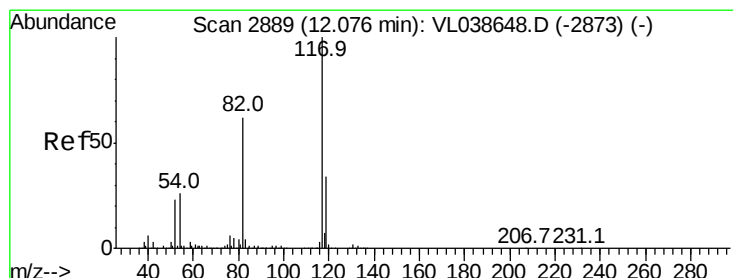
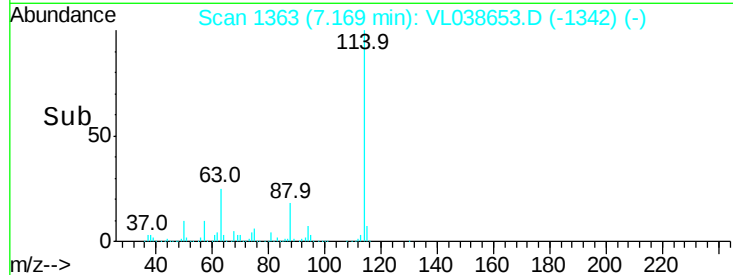
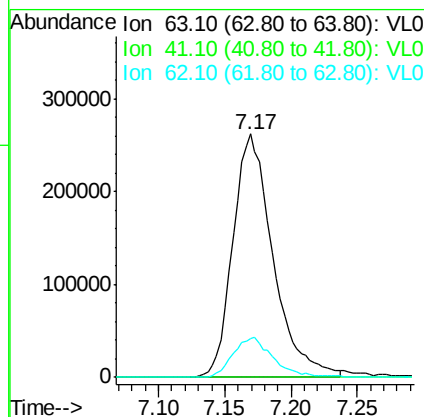
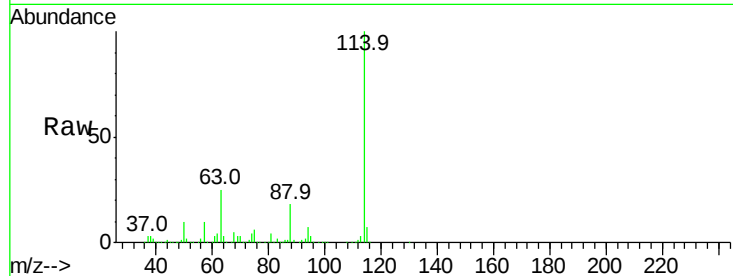
Tgt Ion: 114 Resp: 2340744
 Ion Ratio Lower Upper
 114 100
 63 24.1 19.4 29.0
 88 17.4 13.9 20.9





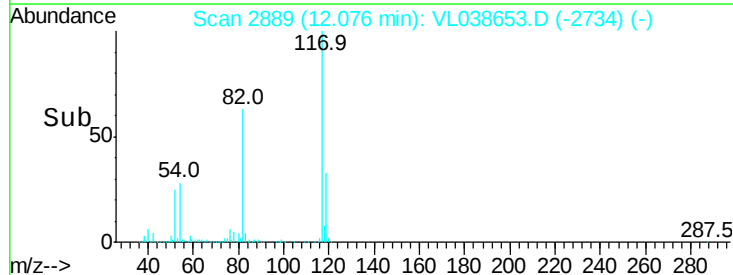
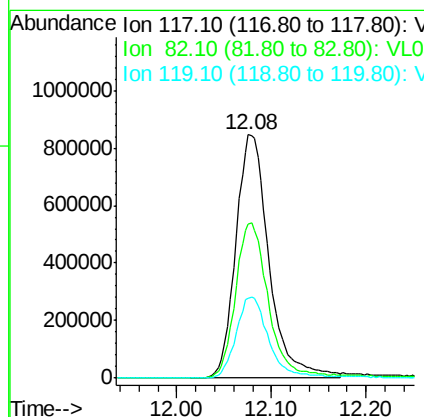
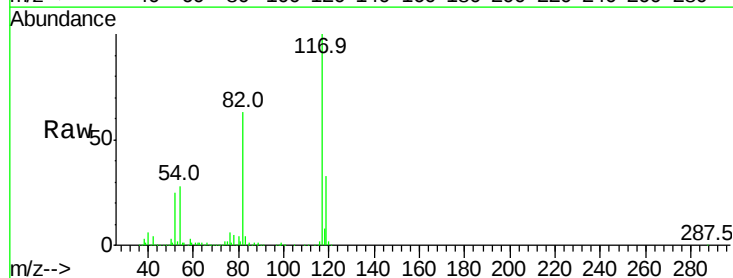
#39
 1,2-Dichloropropane
 Concen: 6.79 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 21 Mar 2022 15:45

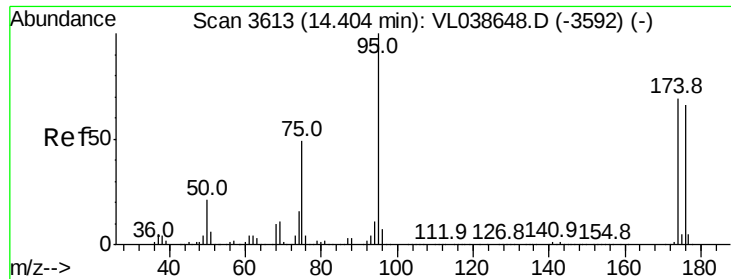
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.0	73.6#
62	15.6	53.9	80.9#



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.08 min Scan# 2889
 Delta R.T. -0.00 min
 Lab File: VL038653.D
 Acq: 21 Mar 2022 15:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.5	51.6	77.4
119	34.0	26.9	40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.95 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

VSTDIC0.03

Acq: 21 Mar 2022 15:45

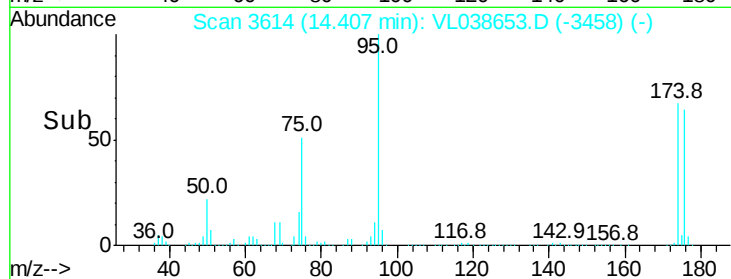
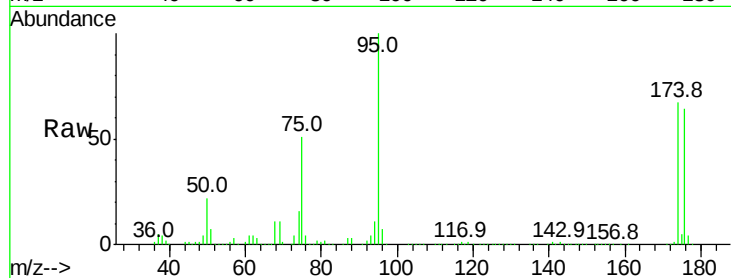
Tgt Ion: 95 Resp: 1564512

Ion Ratio Lower Upper

95 100

174 70.8 56.1 84.1

175 5.1 4.2 6.2



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

