

Data File : VL036438.D
Acq On : 3 Mar 2021 12:43
Operator : SY/AP
Sample : VSTDIC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Quant Time: Mar 03 14:08:10 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030321AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Mar 03 10:40:25 2021
QLast Update : Wed Mar 03 10:40:25 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1715479	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3847987	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3591489	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2858224	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.99	51	7214	0.034	ppbv #	87
4) Chloromethane	3.15	50	4205	0.041	ppbv #	18
8) Dichlorotetrafluoroethane	3.19	85	8180	0.035	ppbv #	78
9) Propene	3.01	41	4198	0.053	ppbv #	15
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4988	0.032	ppbv #	55
13) Ethanol	3.61	45	541	0.036	ppbv #	34
15) Acetone	3.88	43	12686	0.060	ppbv #	49
20) Methylene Chloride	4.34	84	2541	0.038	ppbv #	85
39) 1,2-Dichloropropane	7.18	63	1094691	8.244	ppbv #	22

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030321\

Quantitation Report (Not Reviewed)

Data File : VL036438.D

Acq On : 3 Mar 2021 12:43

Operator : SY/AP

Sample : VSTDICC0.03

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

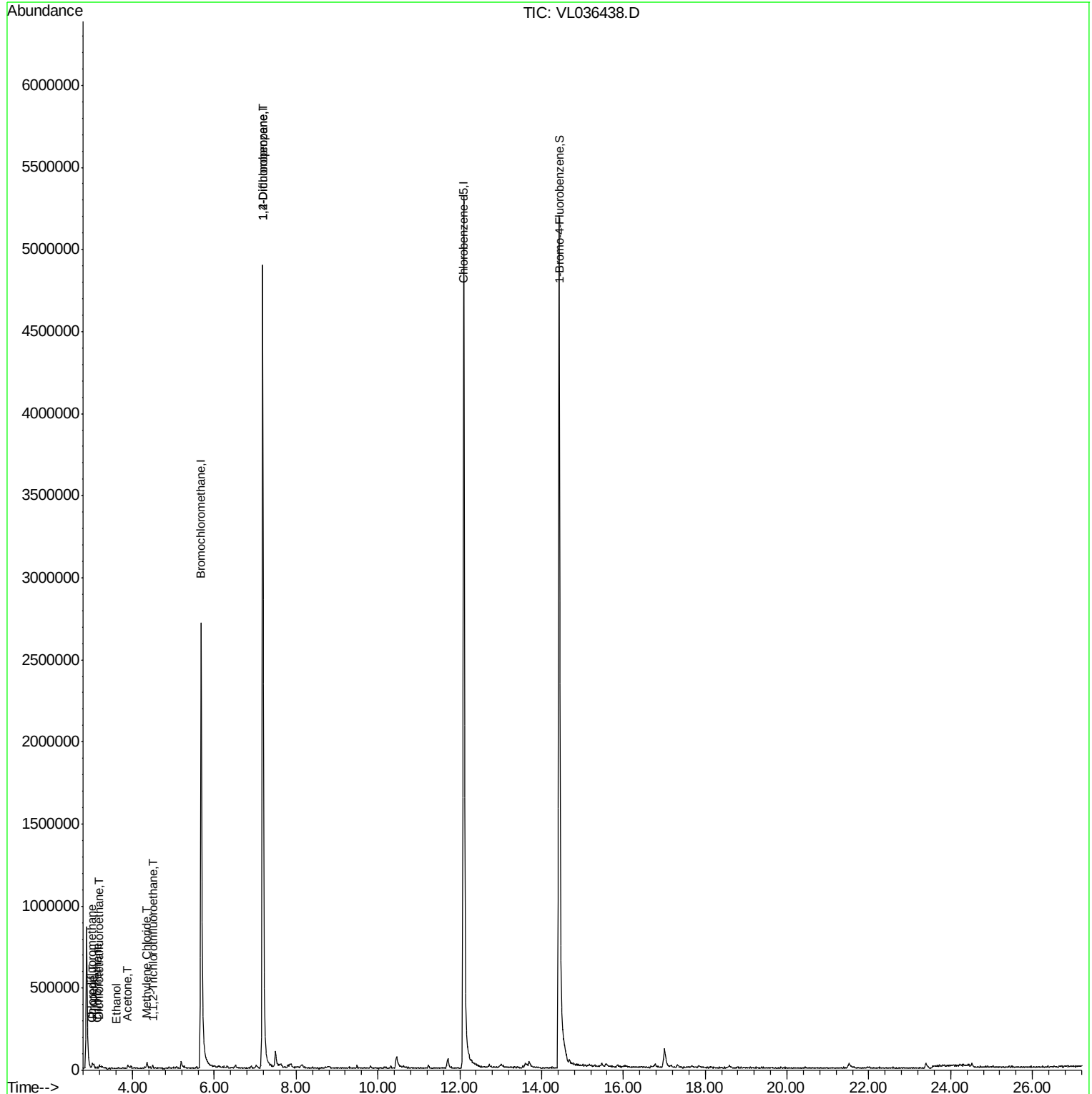
Quant Time: Mar 03 14:08:10 2021

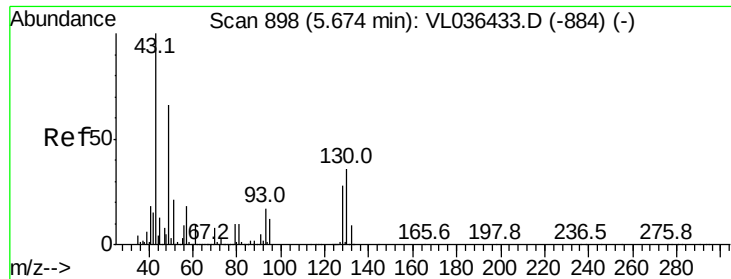
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030321AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 03 10:40:25 2021

QLast Update : Wed Mar 03 10:40:25 2021

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 12:43

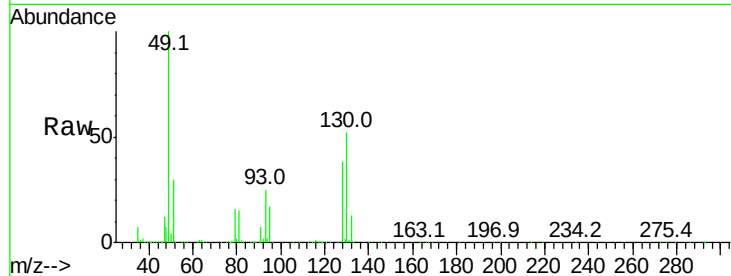
Tgt Ion: 49 Resp: 1715479

Ion Ratio Lower Upper

49 100

128 42.9 22.4 67.2

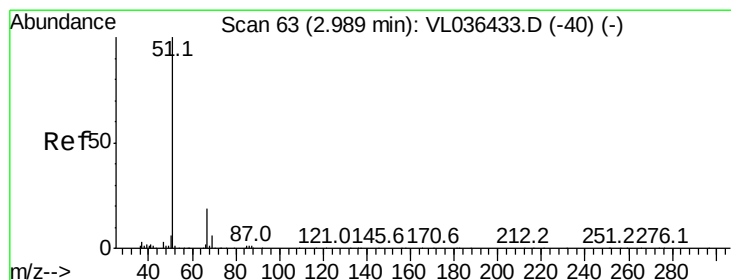
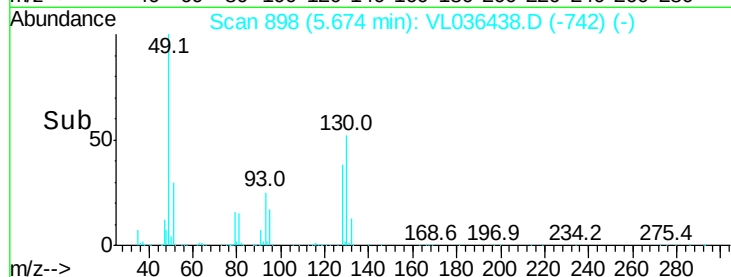
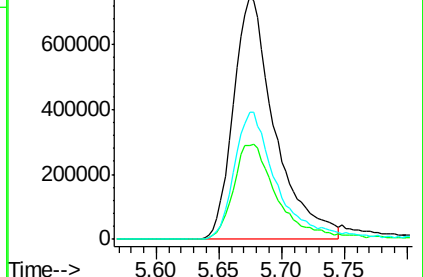
130 54.4 28.0 84.0



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: 0.034 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.00 min

Lab File: VL036438.D

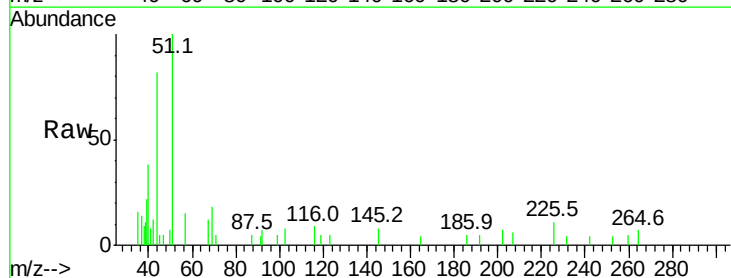
Acq: 3 Mar 2021 12:43

Tgt Ion: 51 Resp: 7214

Ion Ratio Lower Upper

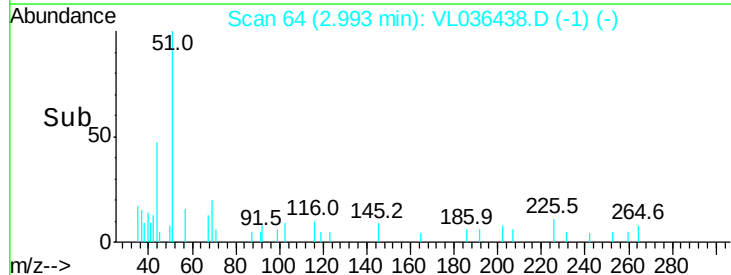
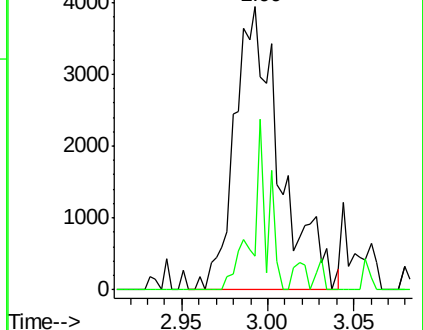
51 100

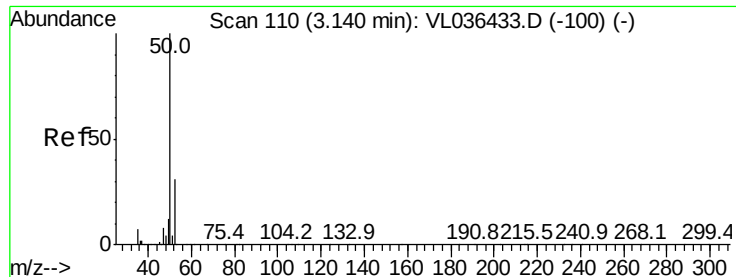
67 24.2 14.8 22.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

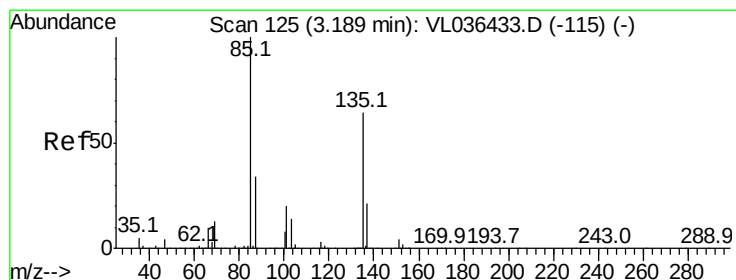
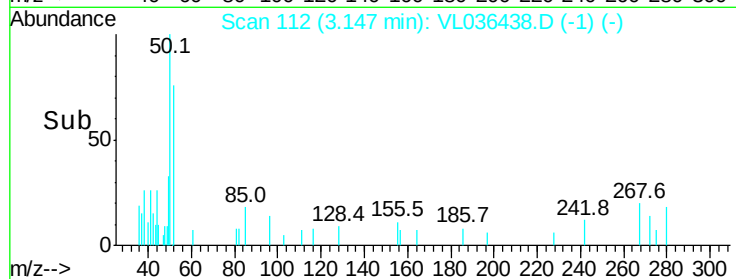
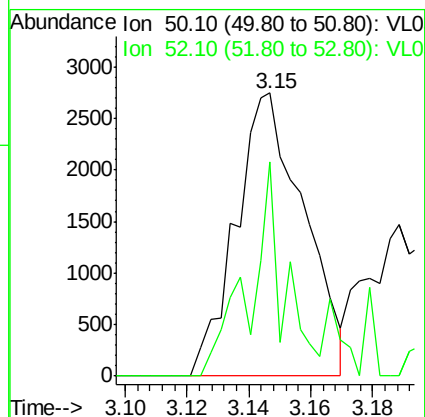
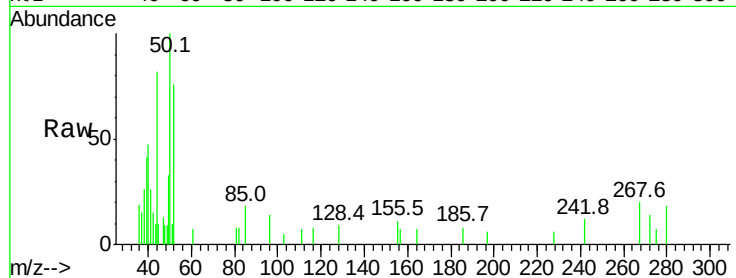
Acq: 3 Mar 2021 12:43 VSTDIC0.03

Tgt Ion: 50 Resp: 4205

Ion Ratio Lower Upper

50 100

52 75.6 24.6 36.8#



#8

Dichlorotetrafluoroethane

Concen: 0.035 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL036438.D

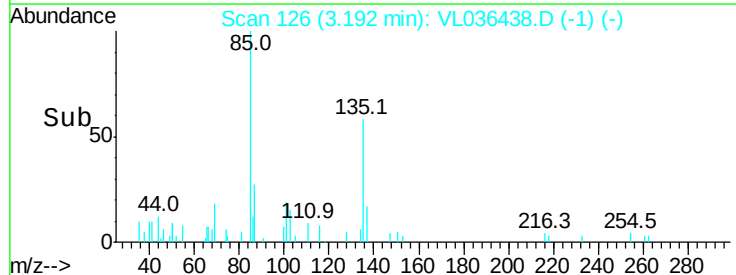
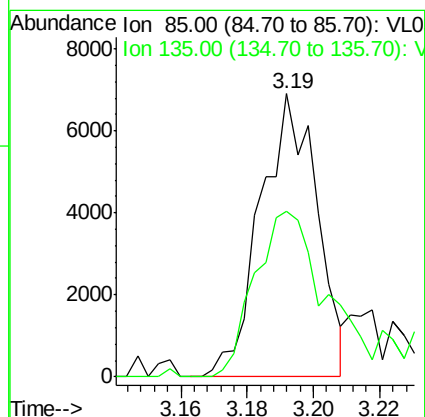
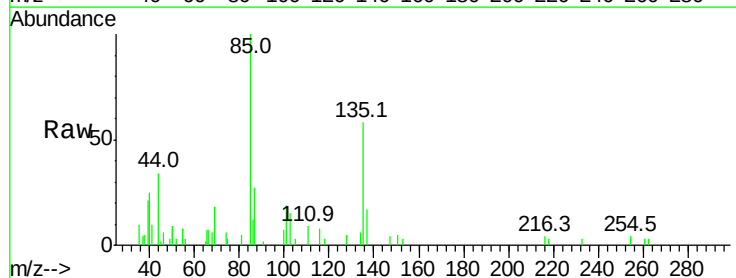
Acq: 3 Mar 2021 12:43

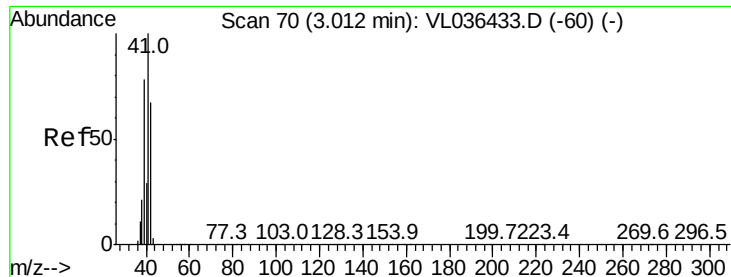
Tgt Ion: 85 Resp: 8180

Ion Ratio Lower Upper

85 100

135 83.1 52.8 79.2#





#9

Propene

Concen: 0.053 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

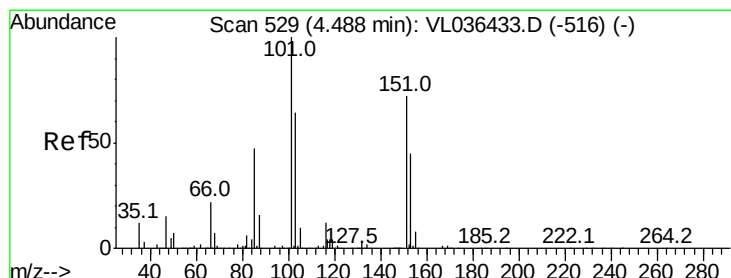
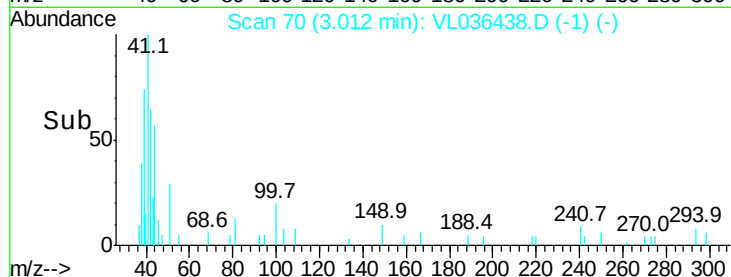
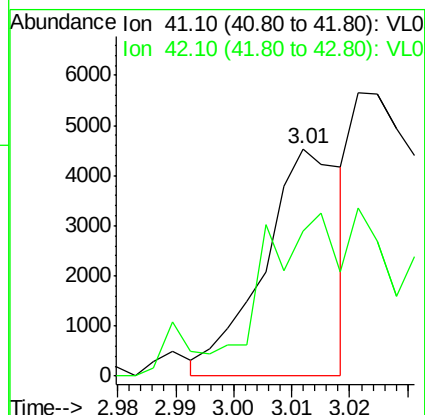
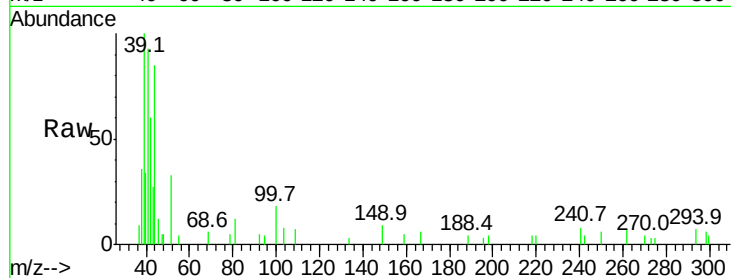
Acq: 3 Mar 2021 12:43 VSTDIC00.03

Tgt Ion: 41 Resp: 4198

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.4#



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.032 ppbv

RT: 4.49 min Scan# 531

Delta R.T. 0.01 min

Lab File: VL036438.D

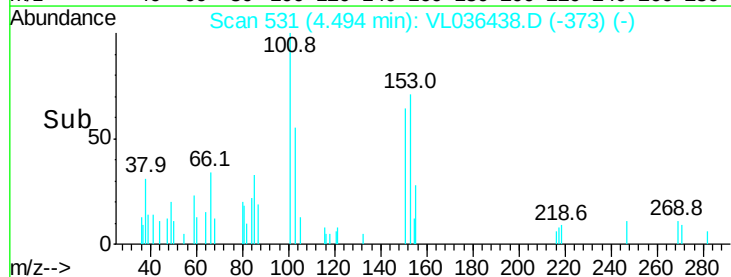
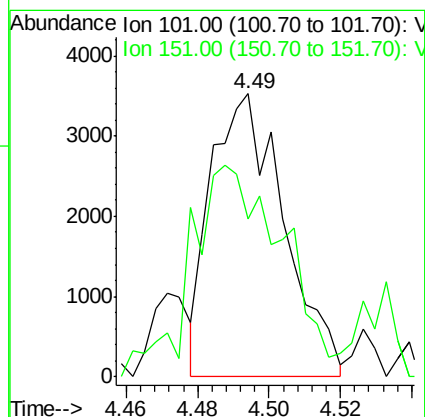
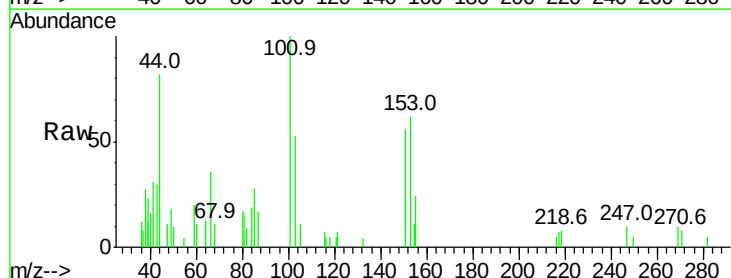
Acq: 3 Mar 2021 12:43

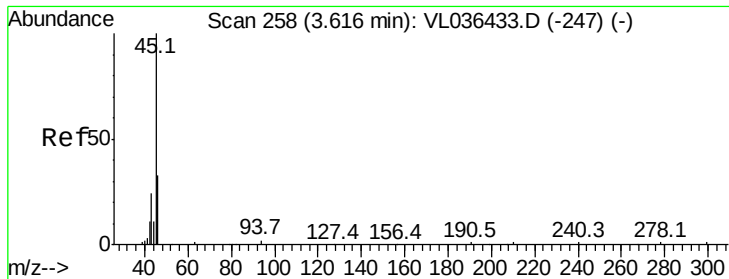
Tgt Ion: 101 Resp: 4988

Ion Ratio Lower Upper

101 100

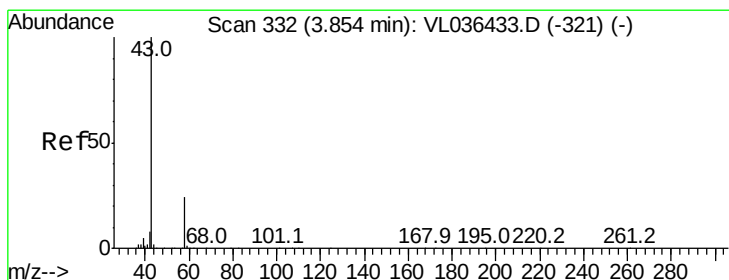
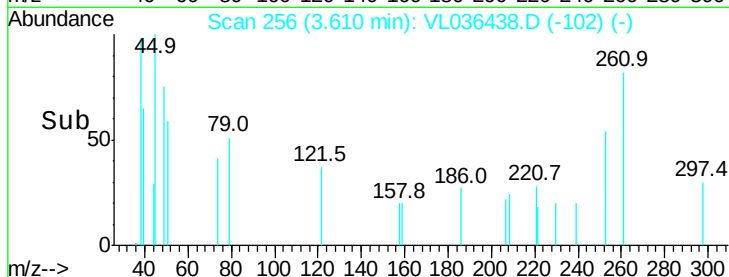
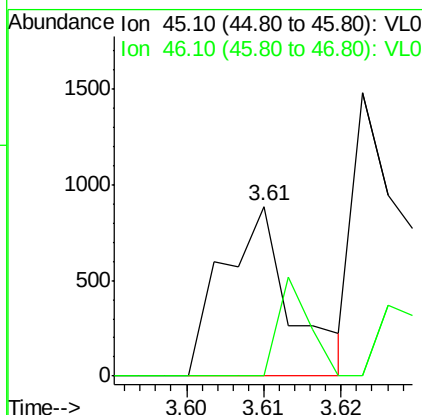
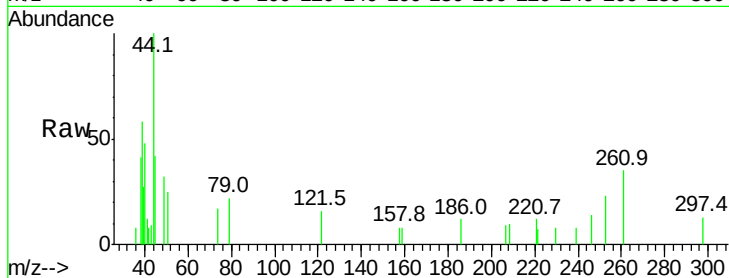
151 111.7 59.0 88.4#





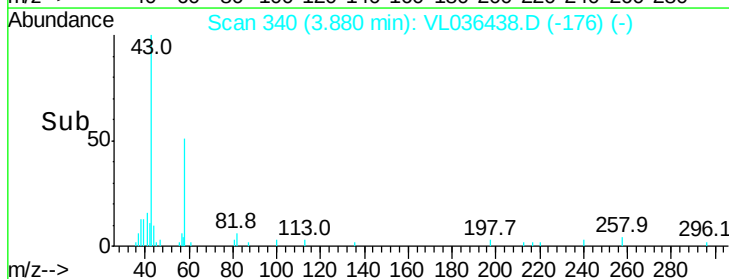
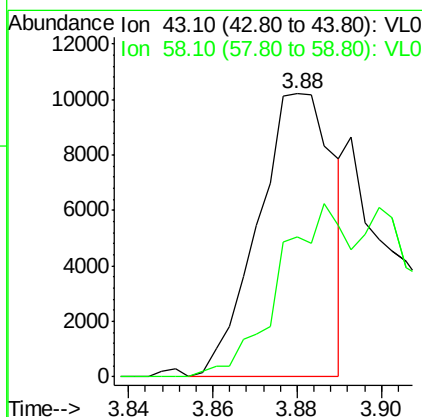
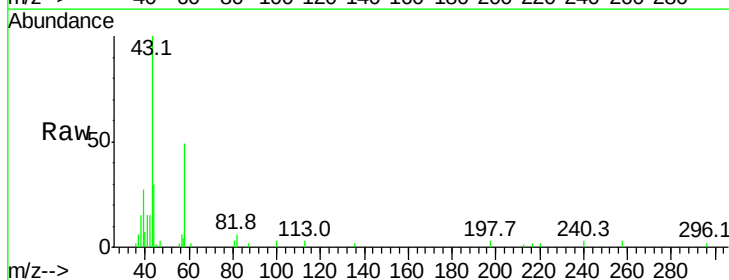
#13
 Ethanol
 Concen: 0.036 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDIC0.03
 Acq: 3 Mar 2021 12:43

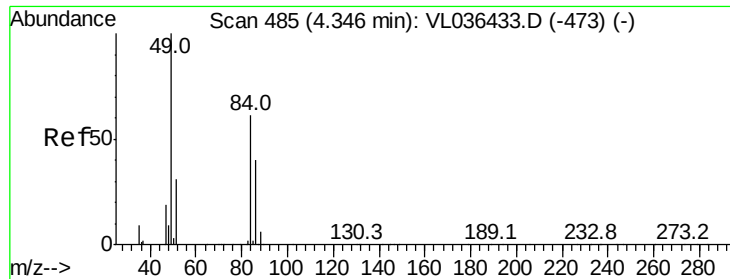
Tgt Ion: 45 Resp: 541
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.8 67.4#



#15
 Acetone
 Concen: 0.060 ppbv
 RT: 3.88 min Scan# 340
 Delta R.T. 0.03 min
 Lab File: VL036438.D
 Acq: 3 Mar 2021 12:43

Tgt Ion: 43 Resp: 12686
 Ion Ratio Lower Upper
 43 100
 58 0.0 21.0 31.6#





#20

Methylene Chloride

Concen: 0.038 ppbv

RT: 4.34 Instrument:

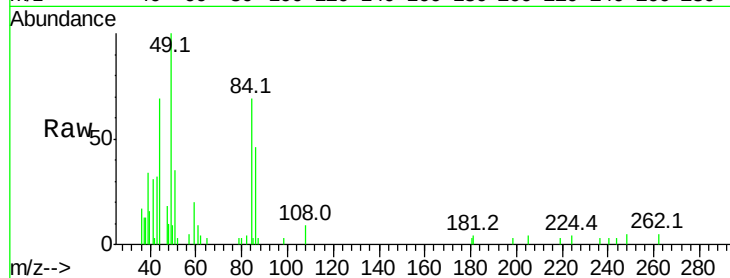
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 3 Mar 2021 12:43 VSTDIC0.03

Tgt Ion: 84 Resp: 2541

Ion	Ratio	Lower	Upper
84	100		
49	138.8	130.2	195.2
51	36.4	40.5	60.7#
86	60.9	51.4	77.2

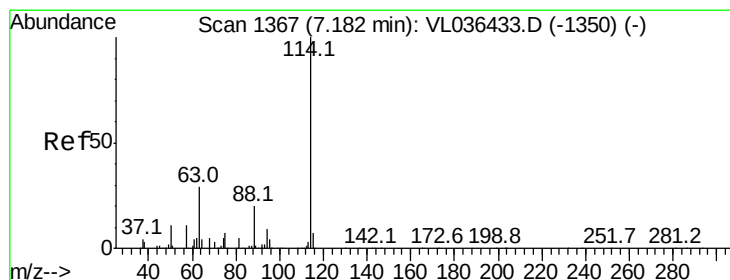
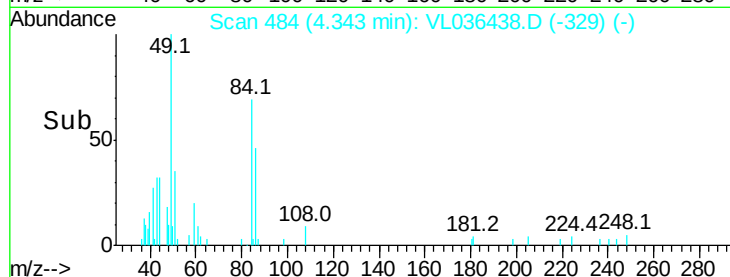
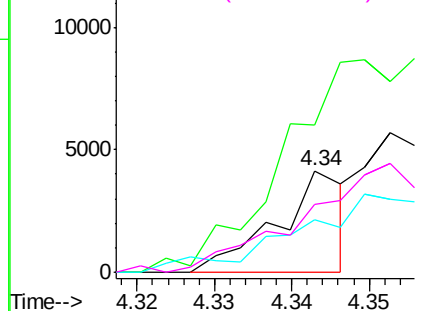


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

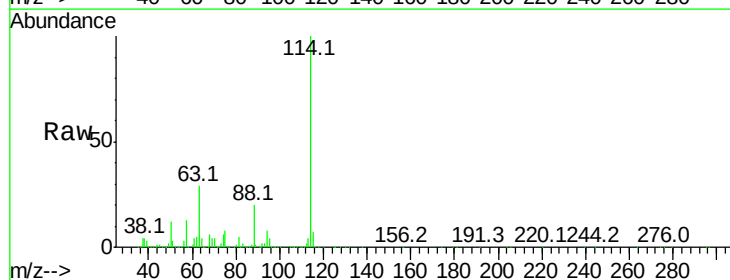
Delta R.T. 0.00 min

Lab File: VL036438.D

Acq: 3 Mar 2021 12:43

Tgt Ion: 114 Resp: 3847987

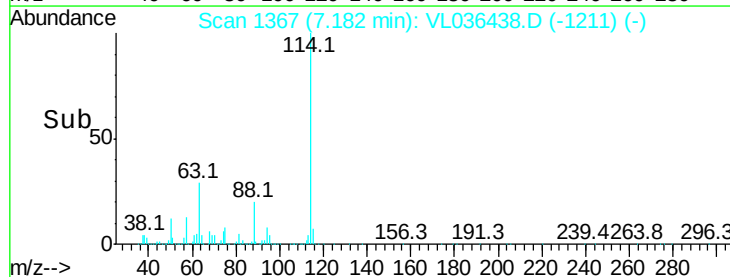
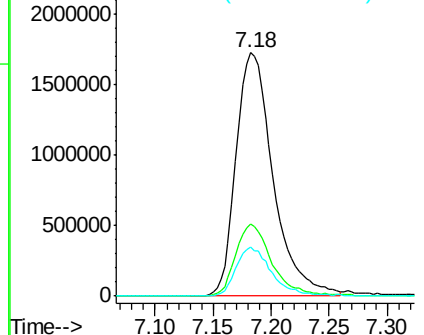
Ion	Ratio	Lower	Upper
114	100		
63	29.0	23.3	34.9
88	19.6	15.6	23.4

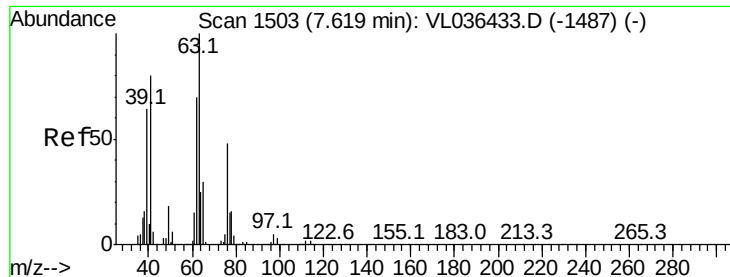


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.244 ppbv

RT: 7.18 Instrument: MSVOA_1

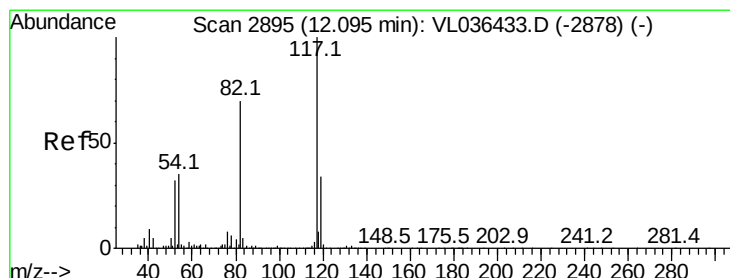
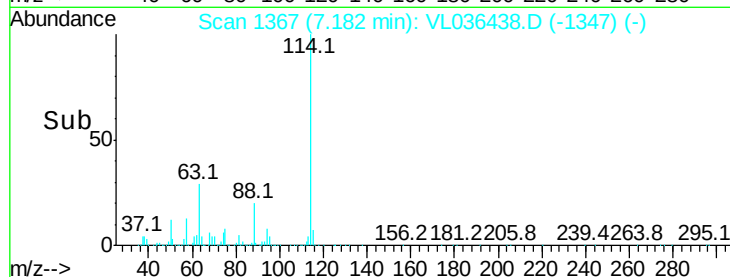
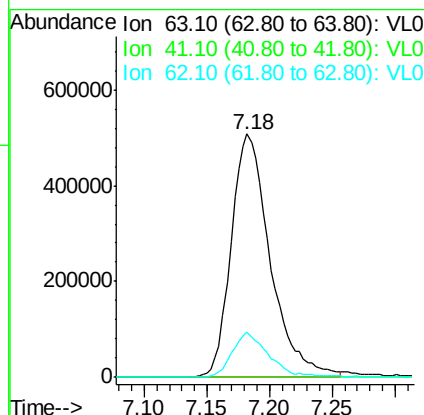
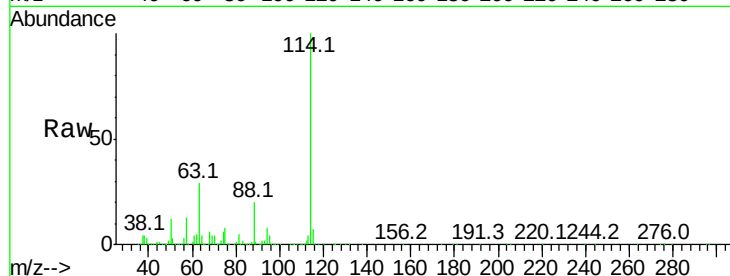
Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDIC003

Acq: 3 Mar 2021 12:43

Tgt Ion: 63 Resp: 1094691

Ion	Ratio	Lower	Upper
63	100		
41	0.0	64.4	96.6#
62	18.4	55.7	83.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

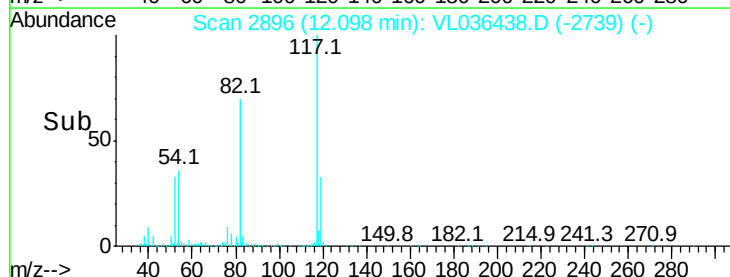
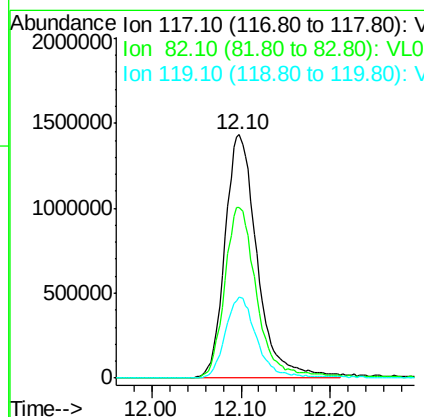
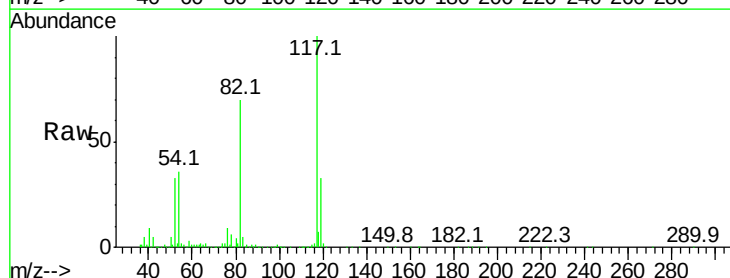
Delta R.T. 0.00 min

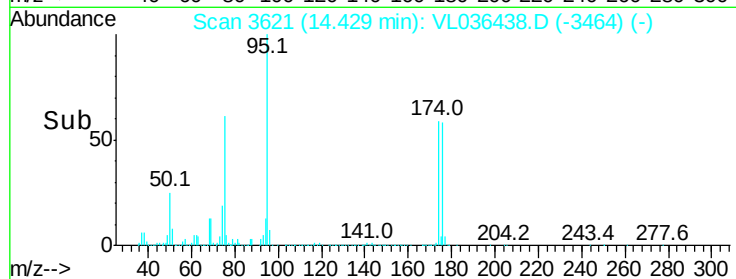
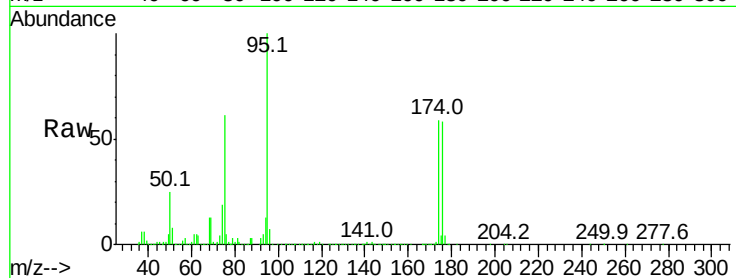
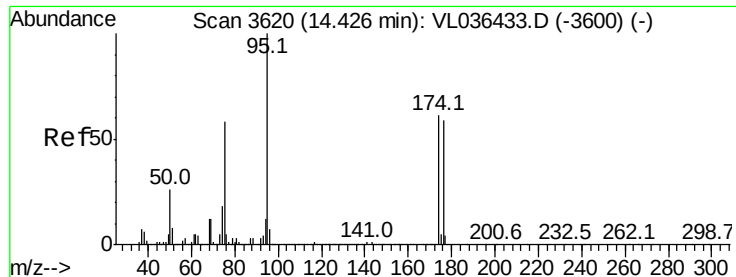
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Tgt Ion: 117 Resp: 3591489

Ion	Ratio	Lower	Upper
117	100		
82	71.0	56.5	84.7
119	33.1	27.0	40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.673 ppbv

RT: 14.43 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VSTDIC0.03

Acq: 3 Mar 2021 12.43

Tgt Ion: 95 Resp: 2858224

Ion Ratio Lower Upper

95 100

174 64.7 51.0 76.4

175 4.6 3.8 5.6

