

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036443.D
 Acq On : 3 Mar 2021 17:52
 Operator : SY/AP
 Sample : OC030221 CAN 10608
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC030221 CAN 10608

Quant Time: Mar 04 03:04:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1718642	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3892045	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3509737	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2803927	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

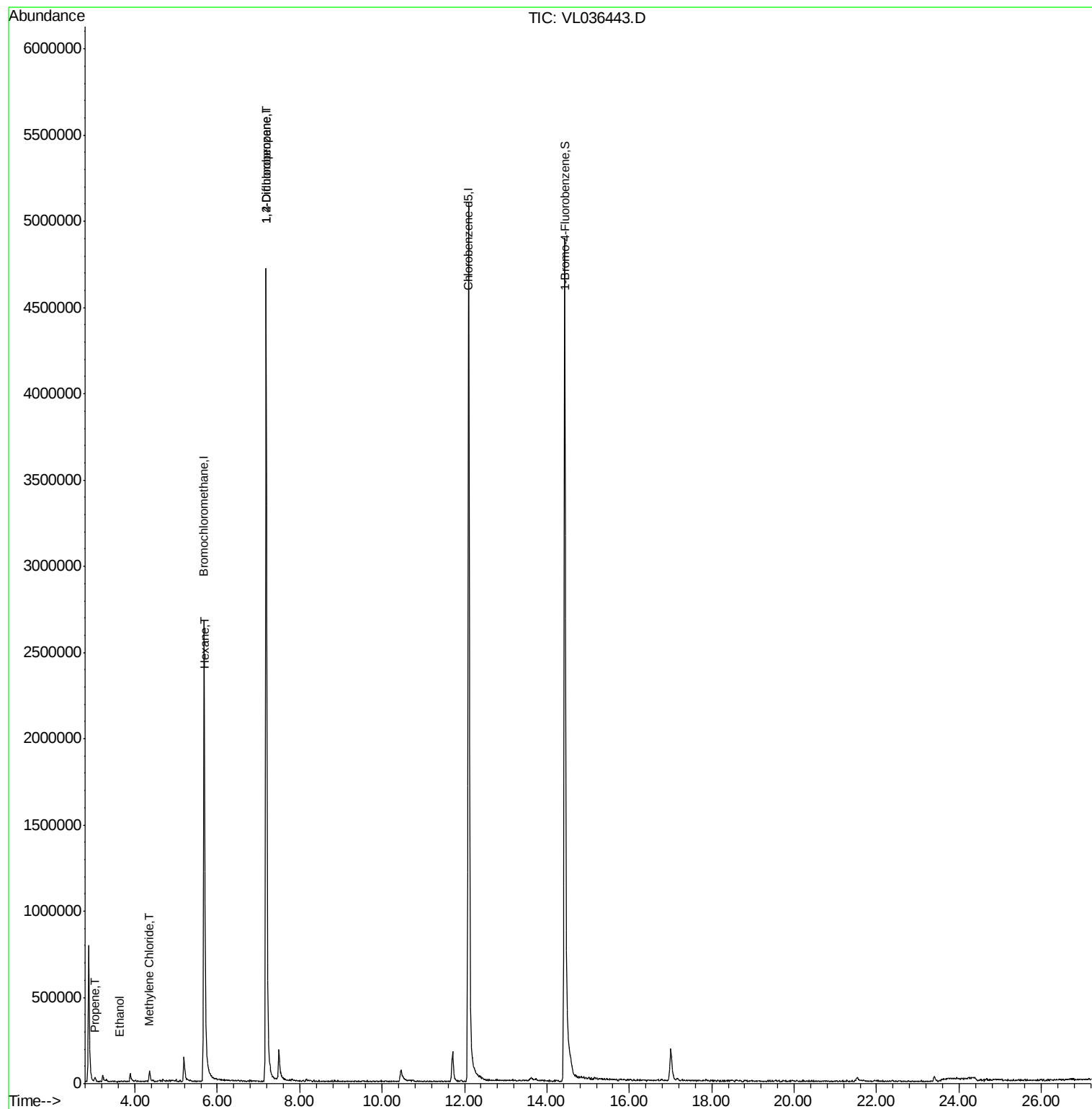
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	4107	0.046	ppbv #	28
13) Ethanol	3.62	45	282	0.021	ppbv #	34
20) Methylene Chloride	4.35	84	9746	0.147	ppbv	92
26) Hexane	5.70	57	4053	0.026	ppbv #	37
39) 1,2-Dichloropropane	7.19	63	1085951	8.456	ppbv #	22

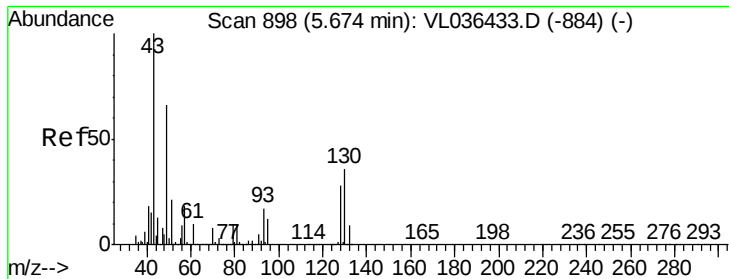
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: QC030221.CAN 10608

Acq: 3 Mar 2021 17:52

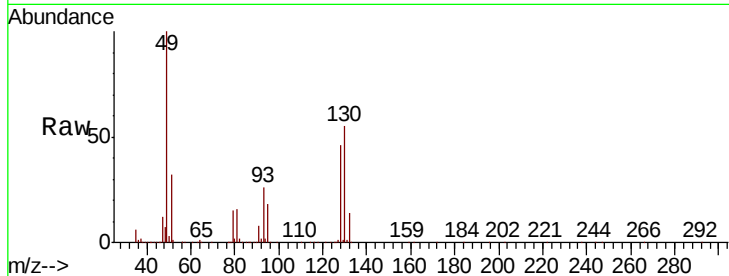
Tot Ion: 49 Resp: 1718642

Ion Ratio Lower Upper

49 100

128 44.0 22.4 67.2

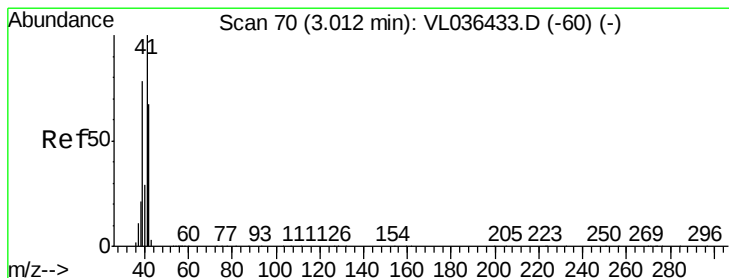
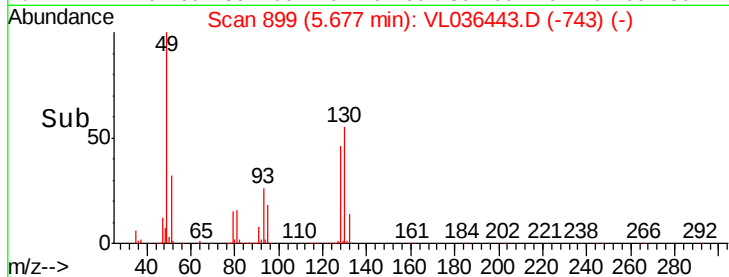
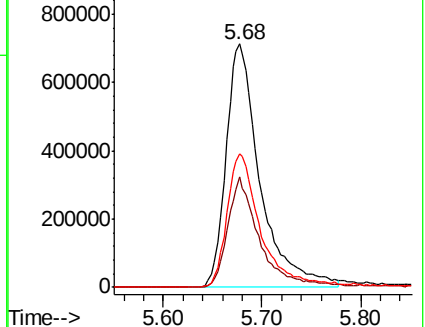
130 55.9 28.0 84.0



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



#9

Propene

Concen: 0.046 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL036443.D

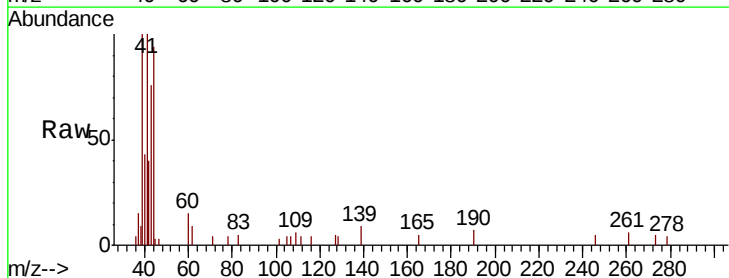
Acq: 3 Mar 2021 17:52

Tgt Ion: 41 Resp: 4107

Ion Ratio Lower Upper

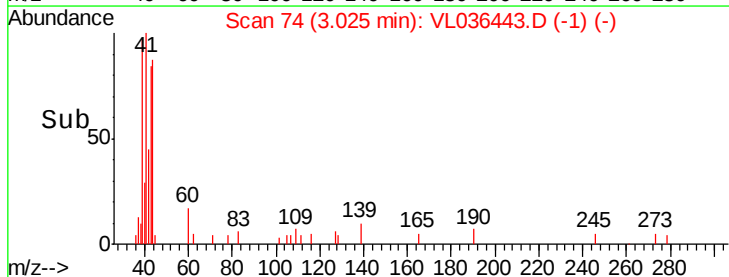
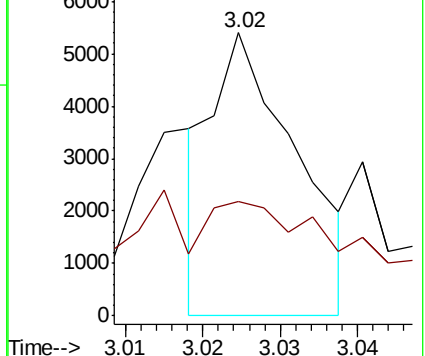
41 100

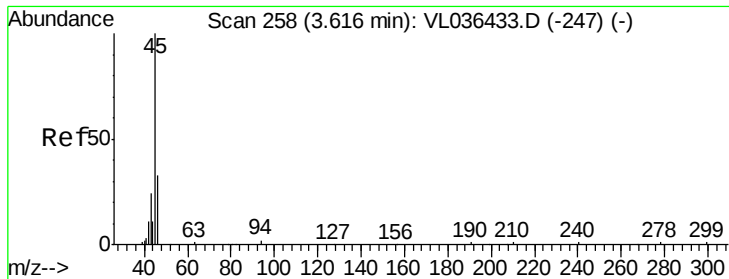
42 129.2 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

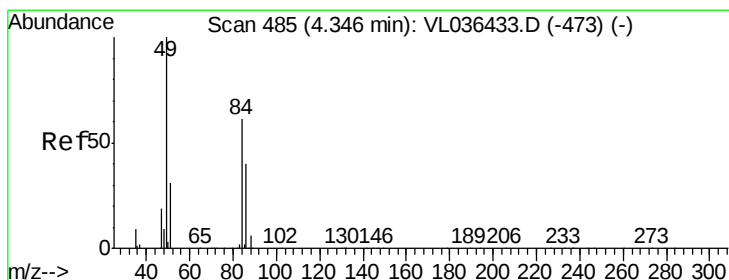
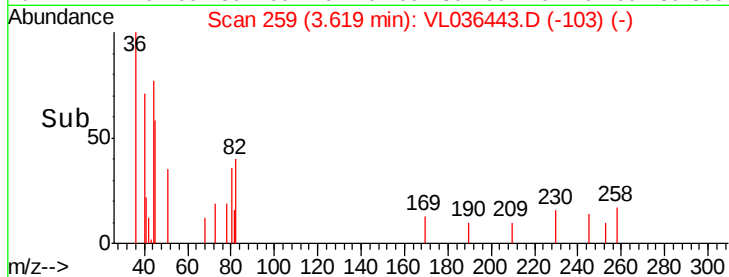
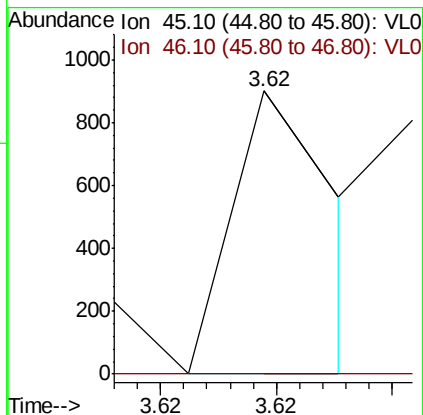
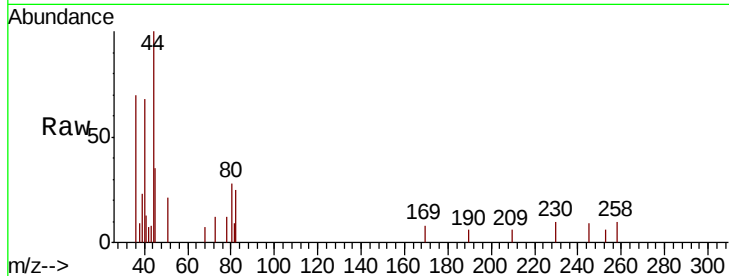
Ion 42.10 (41.80 to 42.80): VL0





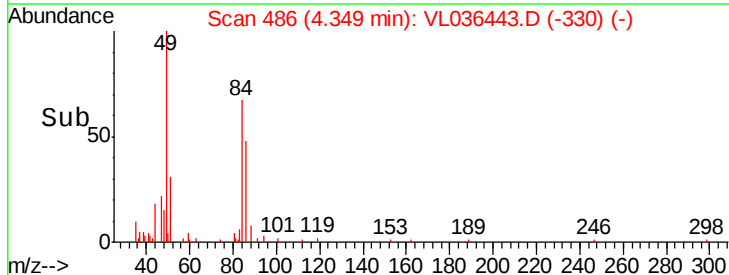
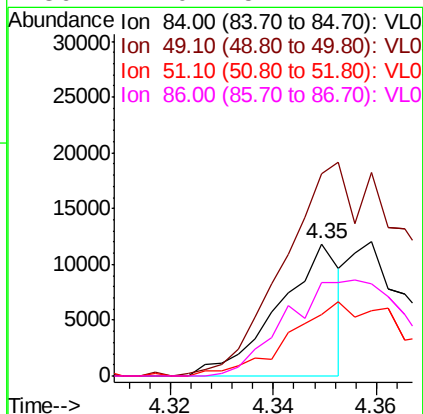
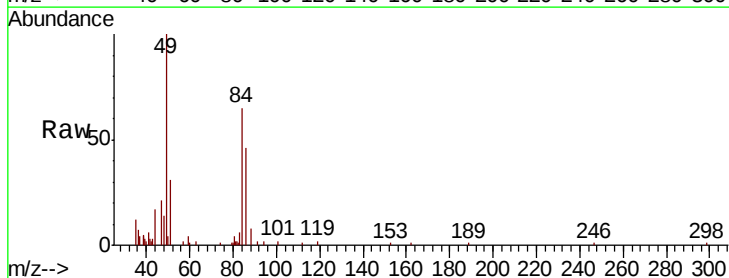
#13
Ethanol
Concen: 0.021 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2021 17:52

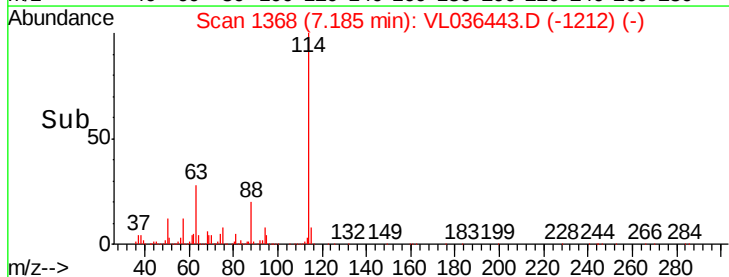
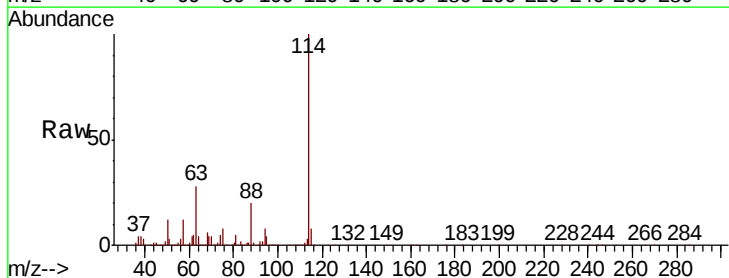
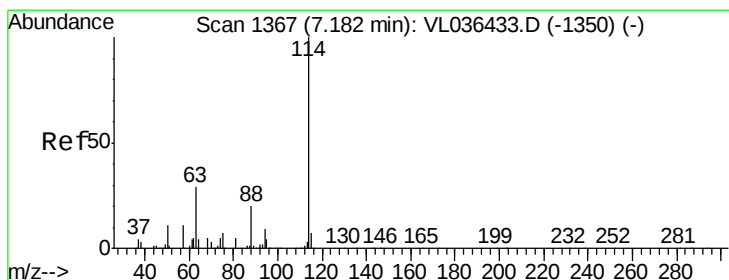
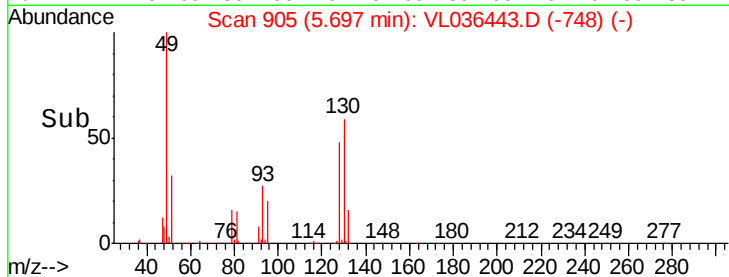
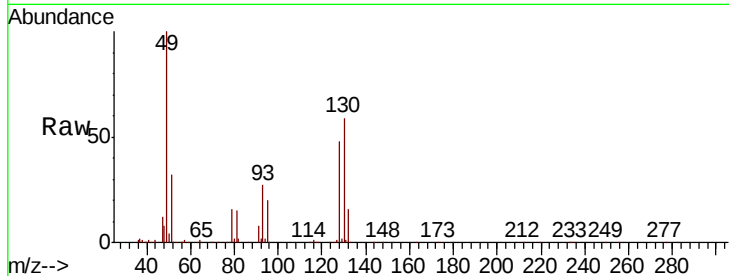
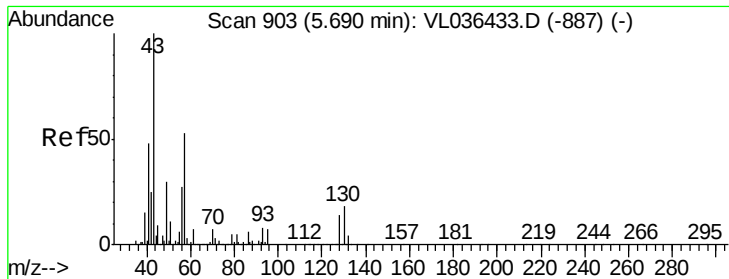
Tot Ion: 45 Resp: 282
Ion Ratio Lower Upper
45 100
46 0.0 16.8 67.4#



#20
Methylene Chloride
Concen: 0.147 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.00 min
Lab File: VL036443.D
Acq: 3 Mar 2021 17:52

Tgt Ion: 84 Resp: 9746
Ion Ratio Lower Upper
84 100
49 151.4 130.2 195.2
51 46.9 40.5 60.7
86 71.0 51.4 77.2





#26

Hexane

Concen: 0.026 ppbv

RT: 5.70 Instrument:

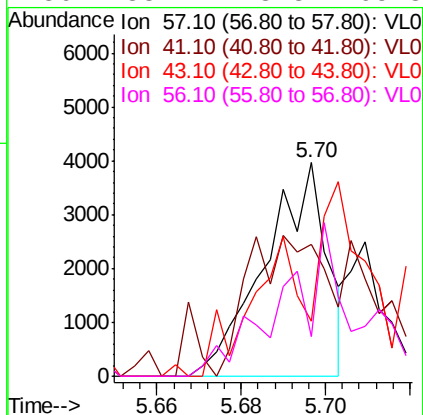
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 3 Mar 2021 17:52 QC030221 CAN 10608

Tot Ion: 57 Resp: 4053

Ion	Ratio	Lower	Upper
57	100		
41	175.7	80.4	120.6#
43	141.9	199.8	299.6#
56	88.4	43.8	65.8#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

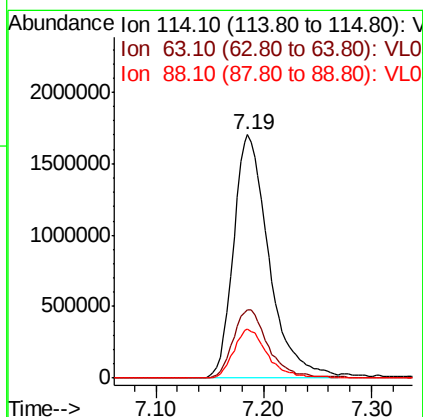
Delta R.T. 0.00 min

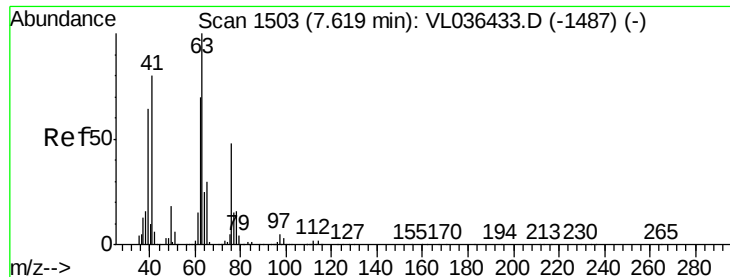
Lab File: VL036443.D

Acq: 3 Mar 2021 17:52

Tgt Ion: 114 Resp: 3892045

Ion	Ratio	Lower	Upper
114	100		
63	28.4	23.3	34.9
88	19.6	15.6	23.4





#39

1,2-Dichloropropane

Concen: 8.456 ppbv

RT: 7.19 Instrument:

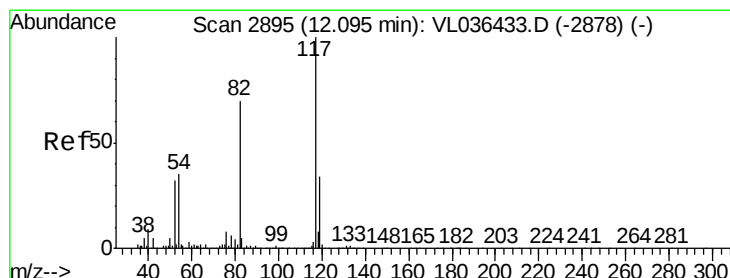
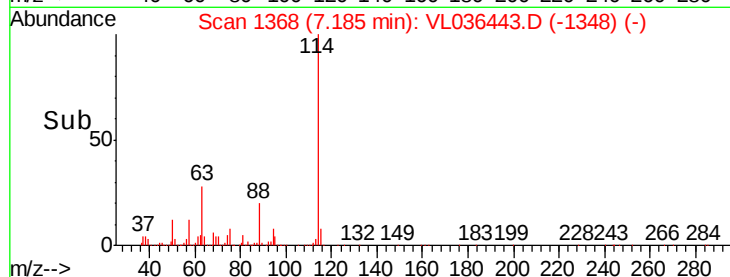
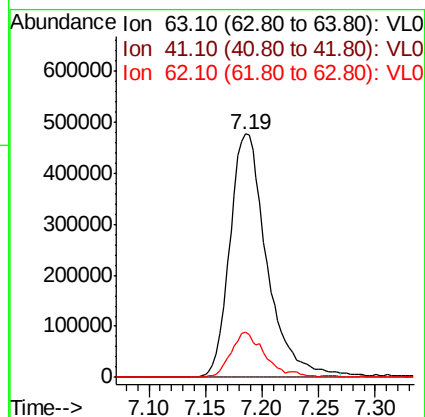
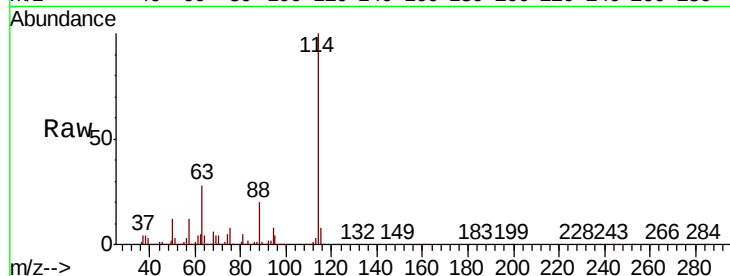
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 17:52 QC030221 CAN 10608

Tot Ion: 63 Resp: 1085951

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# 2897

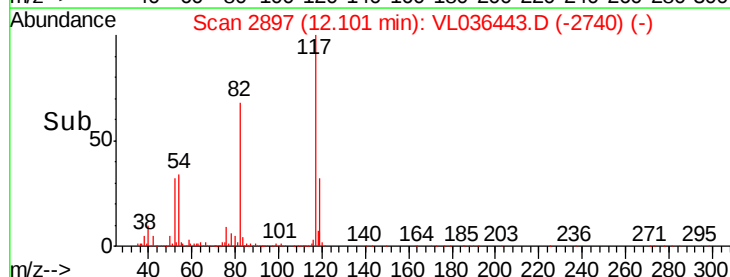
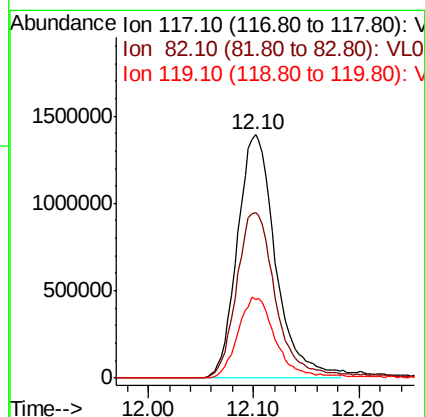
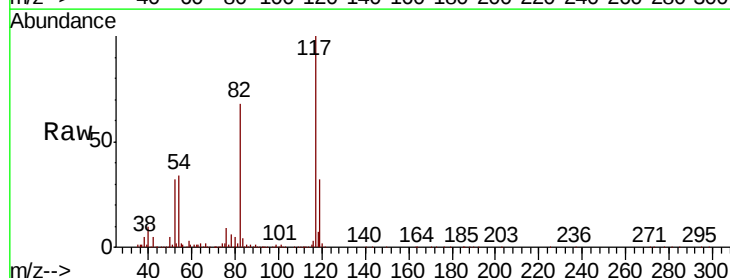
Delta R.T. 0.01 min

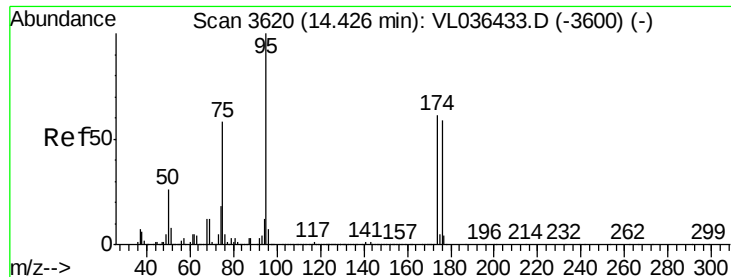
Lab File: VL036443.D

Acq: 3 Mar 2021 17:52

Tgt Ion: 117 Resp: 3509737

Ion	Ratio	Lower	Upper
117	100		
82	72.0	56.5	84.7
119	33.6	27.0	40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.715 ppbv

RT: 14.43 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 17:52 QC030221 CAN 10608

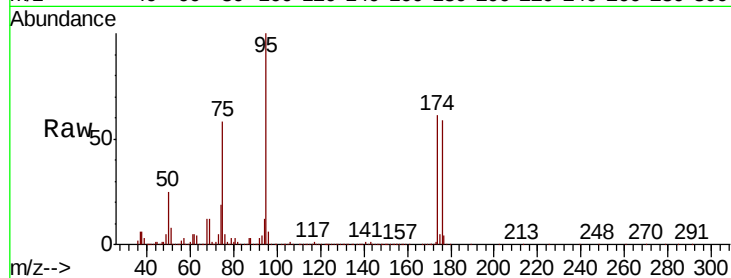
Tot Ion: 95 Resp: 2803927

Ion Ratio Lower Upper

95 100

174 65.5 51.0 76.4

175 4.9 3.8 5.6



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

