

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030321\
 Data File : VL036445.D
 Acq On : 3 Mar 2021 19:13
 Operator : SY/AP
 Sample : OC030321 CAN 10448
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC030321 CAN 10448

Quant Time: Mar 04 03:04:29 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	1625134	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3674517	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3353288	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2691922	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

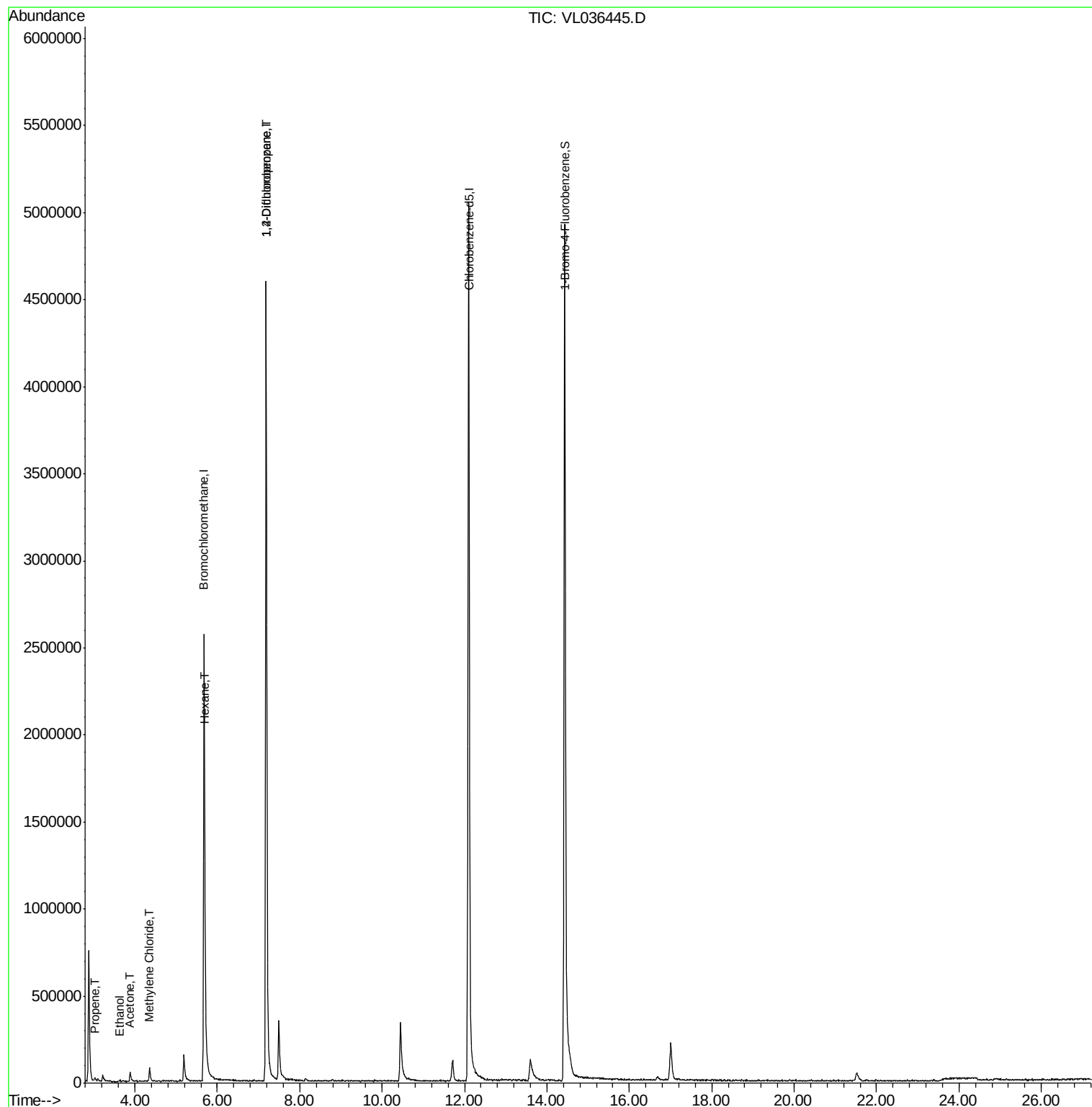
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	1987	0.024	ppbv #	1
13) Ethanol	3.62	45	377	0.029	ppbv #	34
15) Acetone	3.88	43	45357	0.244	ppbv #	1
20) Methylene Chloride	4.36	84	26715	0.427	ppbv	91
26) Hexane	5.70	57	4794	0.032	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	1027844	8.477	ppbv #	22

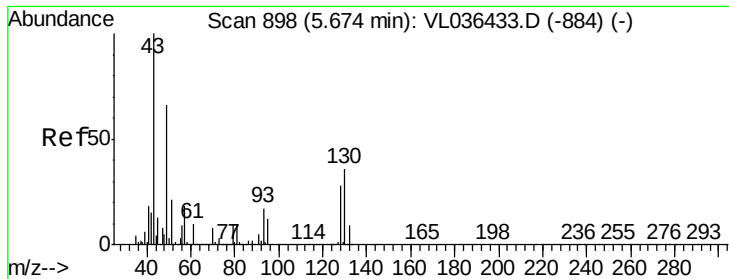
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: OC030321 CAN 10448

Acq: 3 Mar 2021 19:13

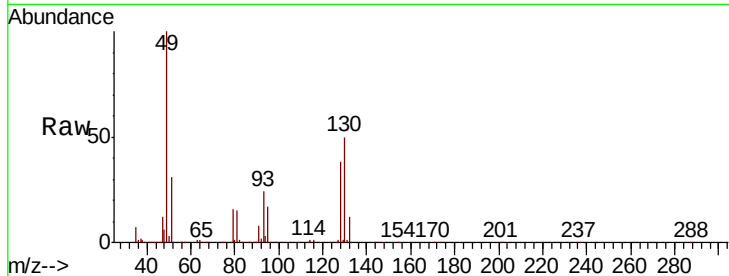
Tot Ion: 49 Resp: 1625134

Ion Ratio Lower Upper

49 100

128 42.6 22.4 67.2

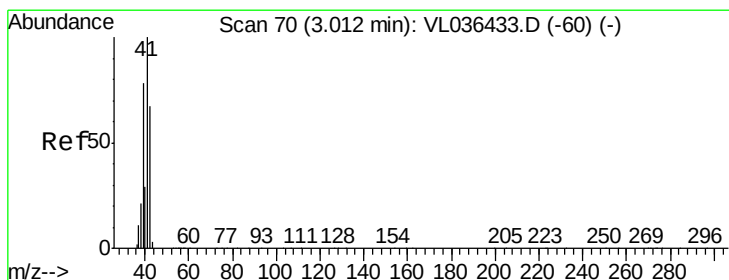
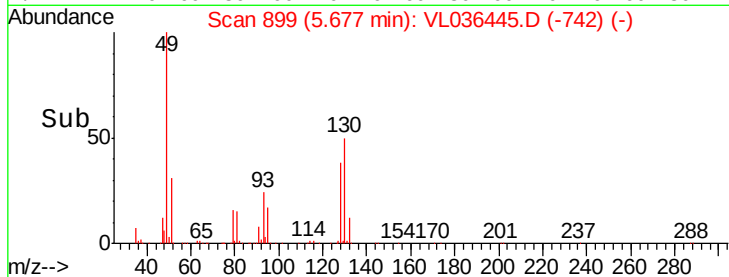
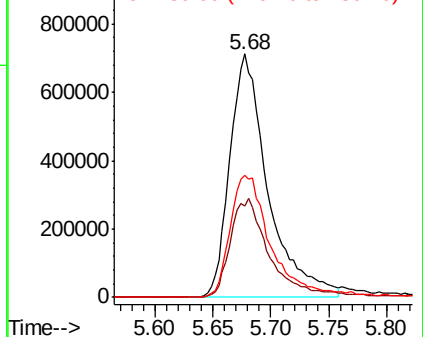
130 55.2 28.0 84.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.024 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036445.D

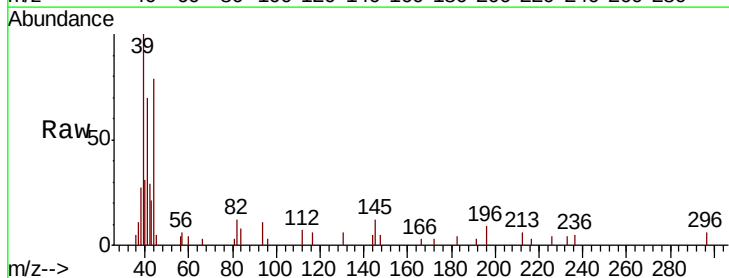
Acq: 3 Mar 2021 19:13

Tgt Ion: 41 Resp: 1987

Ion Ratio Lower Upper

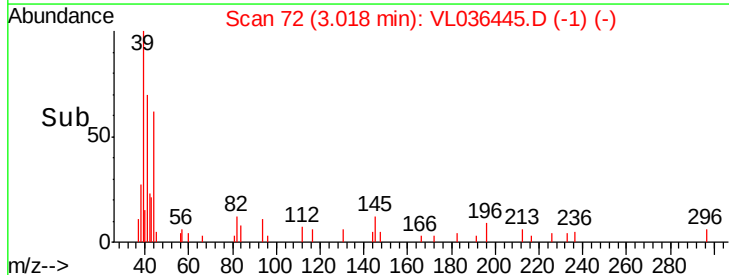
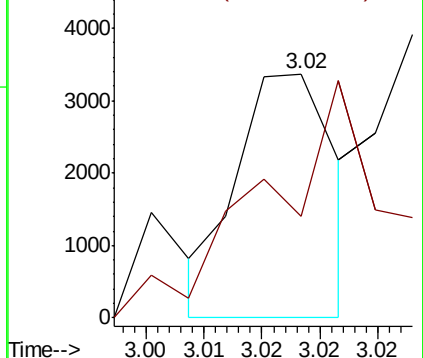
41 100

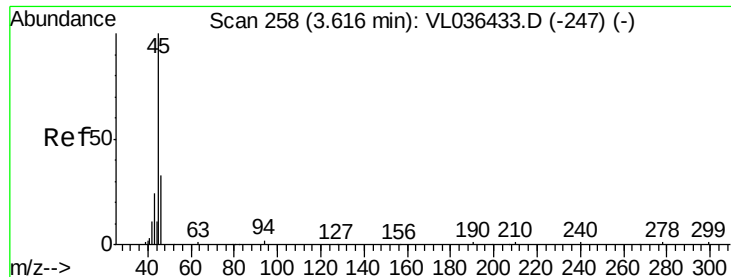
42 216.9 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.029 ppbv

RT: 3.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

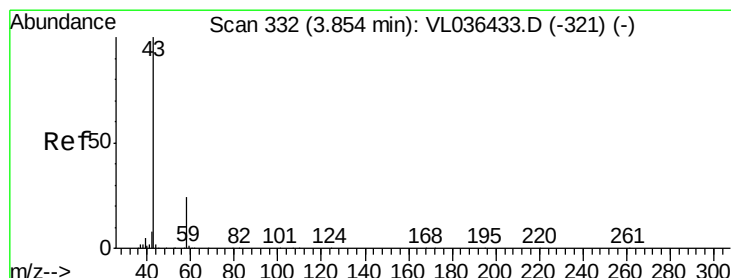
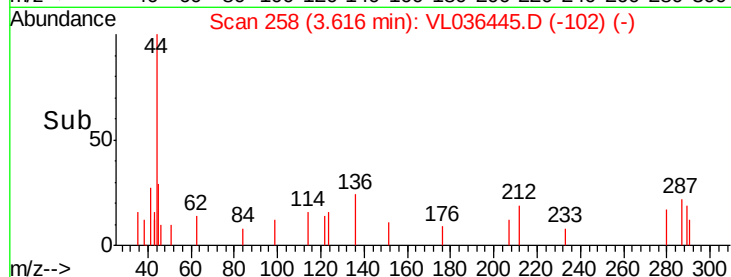
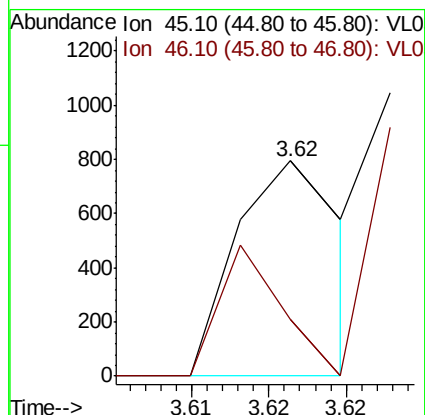
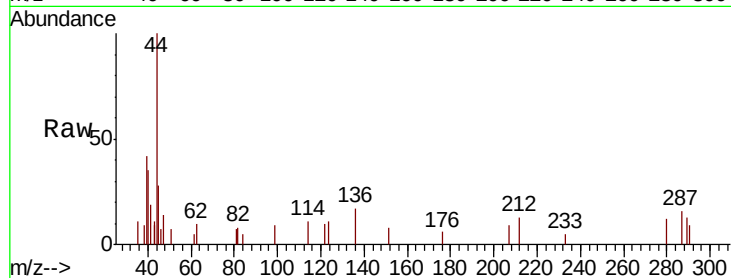
Acq: 3 Mar 2021 19:13 OC030321 CAN 10448

Tot Ion: 45 Resp: 377

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.4#



#15

Acetone

Concen: 0.244 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.03 min

Lab File: VL036445.D

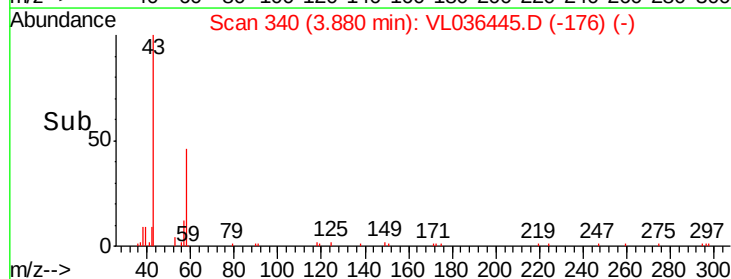
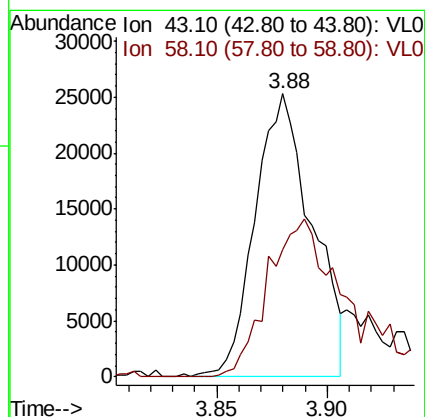
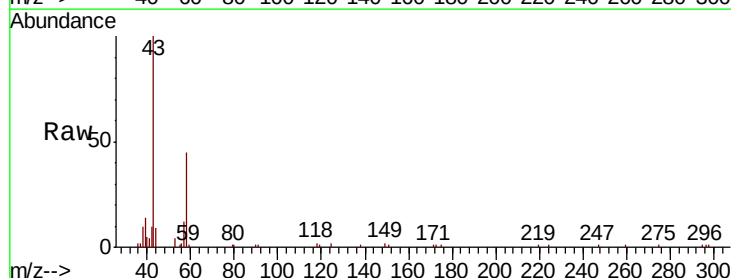
Acq: 3 Mar 2021 19:13

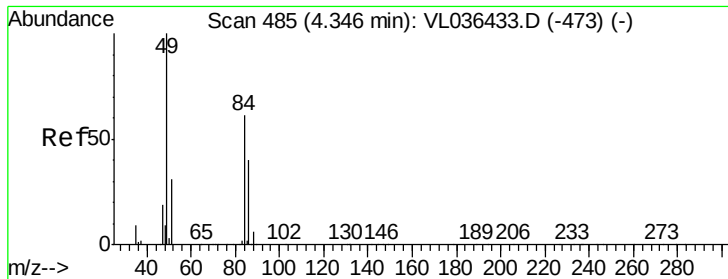
Tgt Ion: 43 Resp: 45357

Ion Ratio Lower Upper

43 100

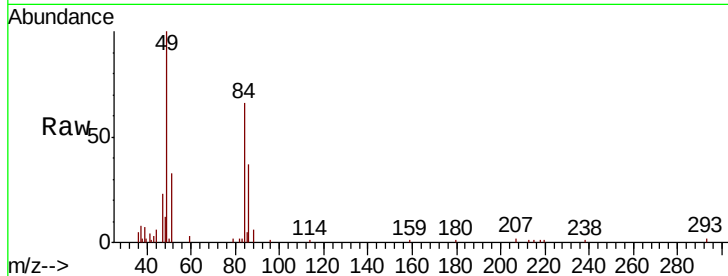
58 78.0 21.0 31.6#





#20
Methylene Chloride
Concen: 0.427 ppbv
RT: 4.36
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 3 Mar 2021 19:13

Tot Ion:	84	Resp:	26715
Ion	Ratio	Lower	Upper
84	100		
49	148.9	130.2	195.2
51	49.6	40.5	60.7
86	56.5	51.4	77.2



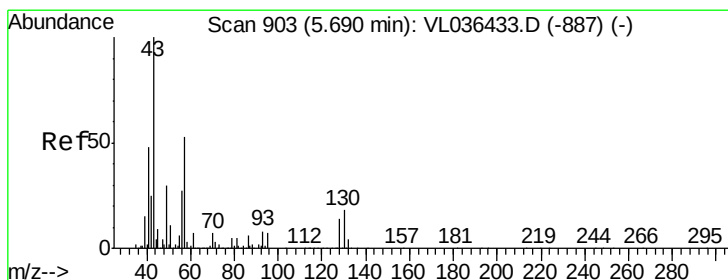
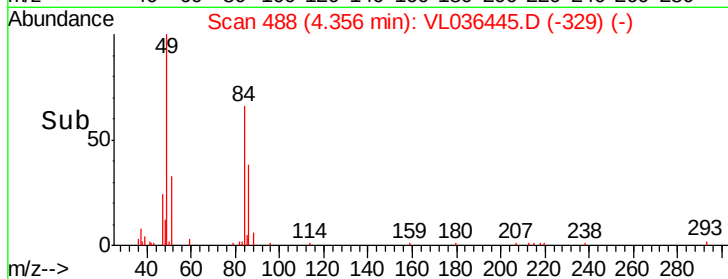
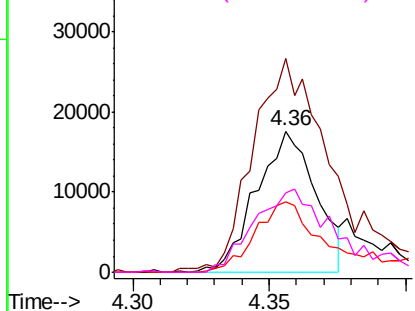
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

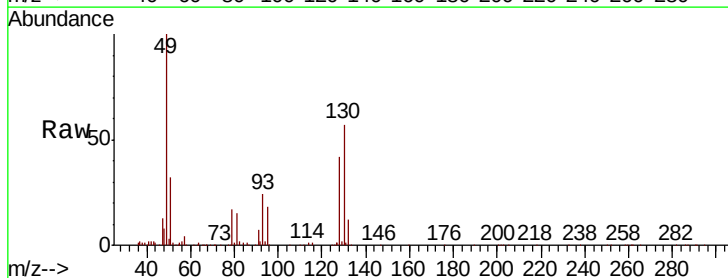
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#26
Hexane
Concen: 0.032 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036445.D
Acq: 3 Mar 2021 19:13

Tgt Ion:	57	Resp:	4794
Ion	Ratio	Lower	Upper
57	100		
41	370.8	80.4	120.6#
43	0.0	199.8	299.6#
56	219.3	43.8	65.8#



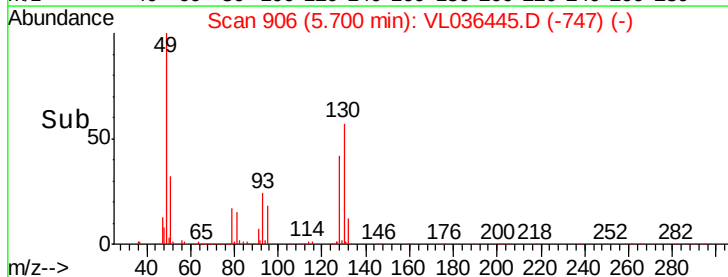
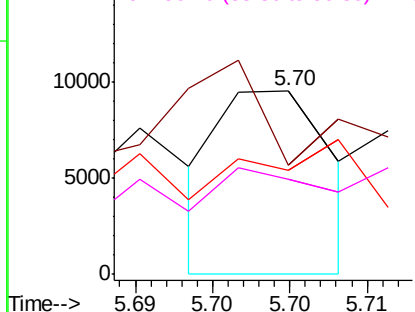
Abundance

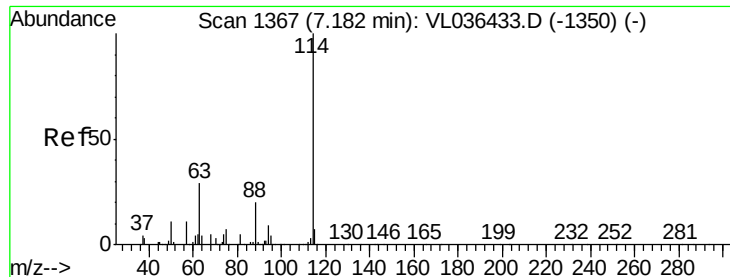
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2021 19:13 QC030321 CAN 10448

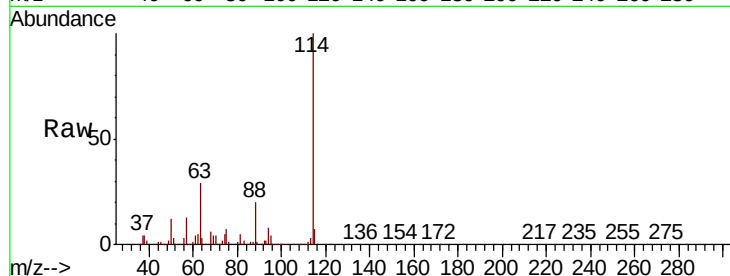
Tot Ion:114 Resp: 3674517

Ion Ratio Lower Upper

114 100

63 28.6 23.3 34.9

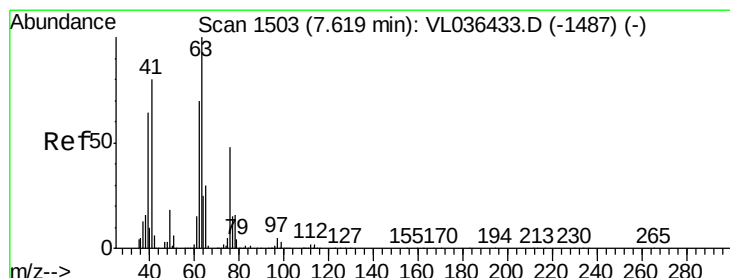
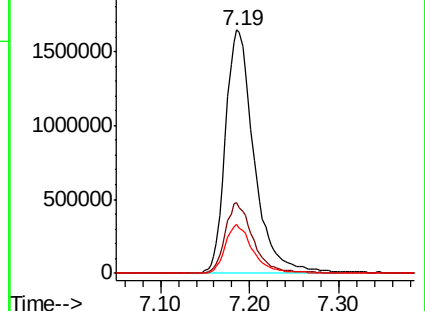
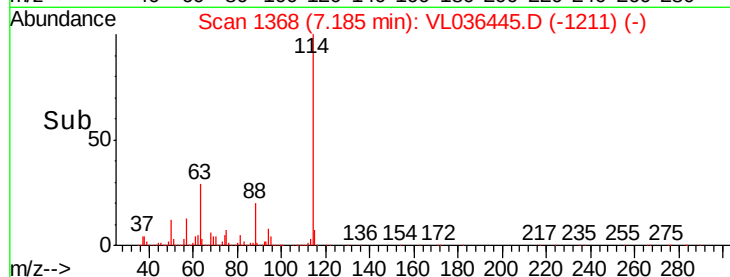
88 19.7 15.6 23.4



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: 8.477 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.43 min

Lab File: VL036445.D

Acq: 3 Mar 2021 19:13

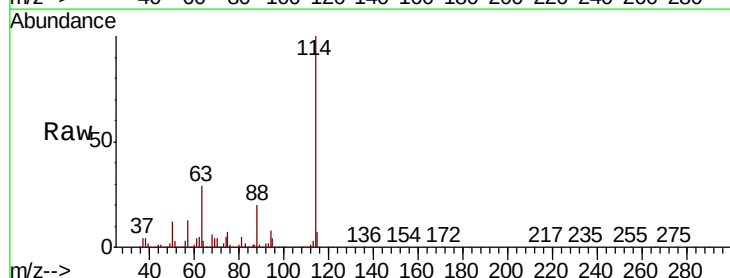
Tgt Ion: 63 Resp: 1027844

Ion Ratio Lower Upper

63 100

41 0.0 64.4 96.6#

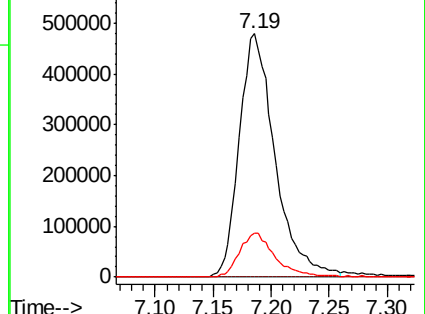
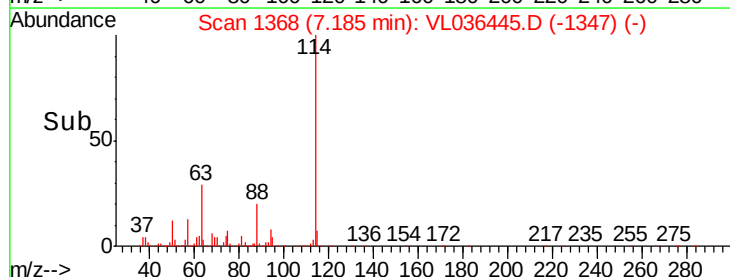
62 17.9 55.7 83.5#

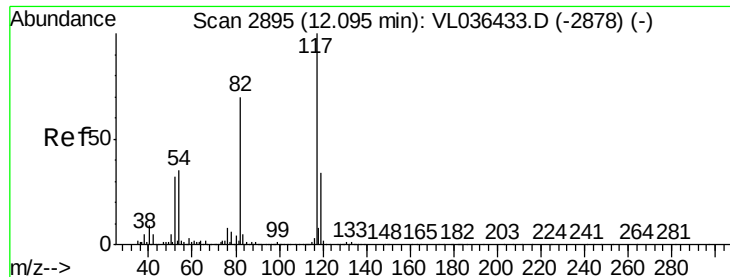


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

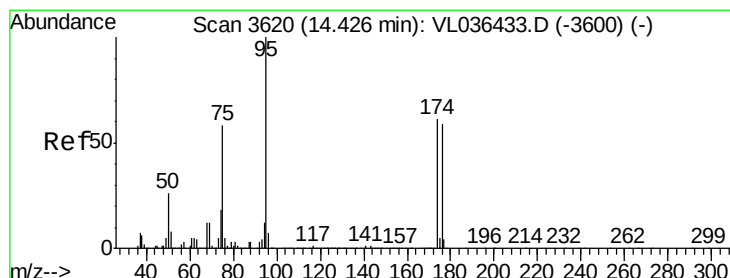
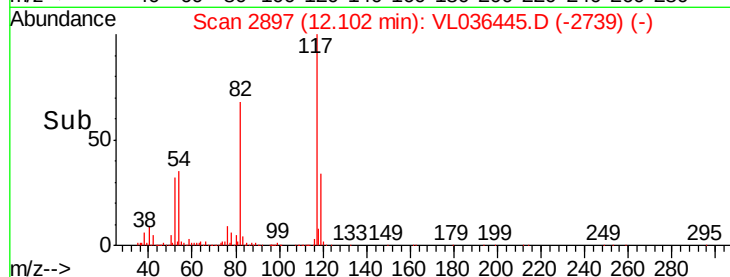
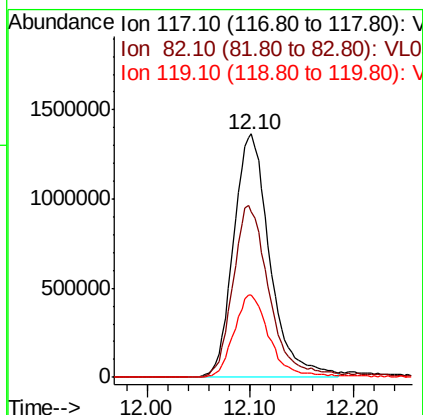
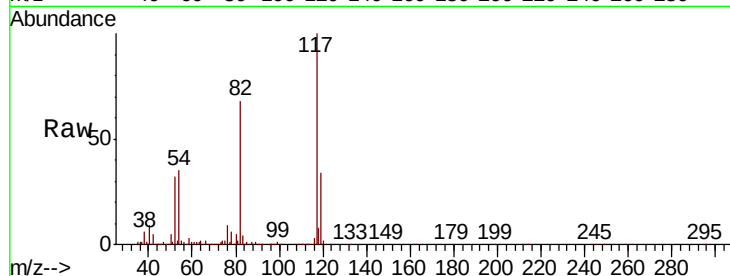




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Client Sample Id:
Lab File: QC030321 CAN 10448
Acq: 3 Mar 2021 19:13

Tot Ion: 117 Resp: 3353288

Ion	Ratio	Lower	Upper
117	100		
82	73.1	56.5	84.7
119	33.9	27.0	40.4



#68
1-Bromo-4-Fluorobenzene
Concen: 9.762 ppbv
RT: 14.43 min Scan# 3621
Delta R.T.: 0.00 min
Lab File: VL036445.D
Acq: 3 Mar 2021 19:13

Tgt Ion: 95 Resp: 2691922

Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.0	76.4
175	4.7	3.8	5.6

