

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036893.D
 Acq On : 28 Apr 2021 23:43
 Operator : SY/AP
 Sample : OC042021 CAN 10111
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 29 03:12:09 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1363234	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3222122	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2953080	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2247761	9.48	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.80%

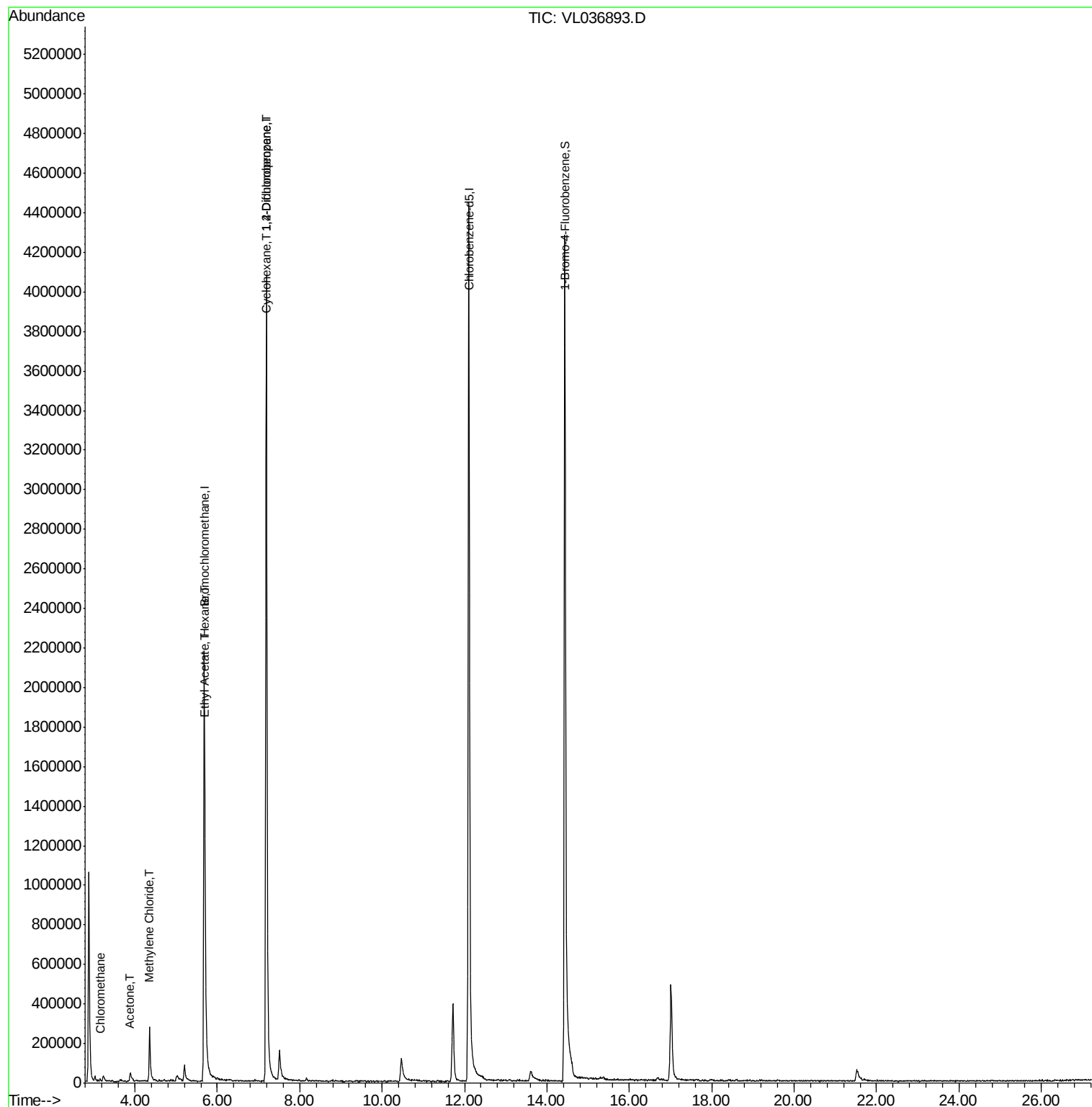
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.16	50	9095	0.111	ppbv #	82
15) Acetone	3.88	43	23336	0.182	ppbv #	48
20) Methylene Chloride	4.36	84	96178	1.565	ppbv	95
25) Ethyl Acetate	5.70	43	23342	0.074	ppbv #	78
26) Hexane	5.70	57	54929	0.374	ppbv #	36
30) Cyclohexane	7.17	84	6510	0.056	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	870249	8.001	ppbv #	23

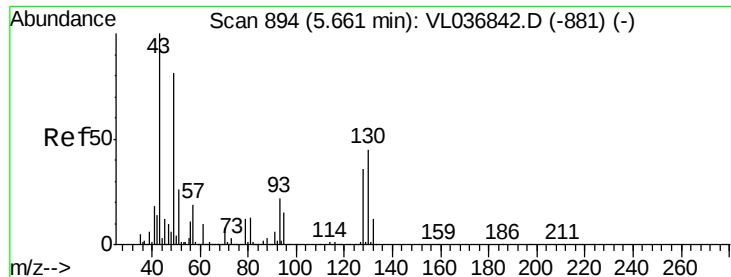
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 27 16:56:35 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

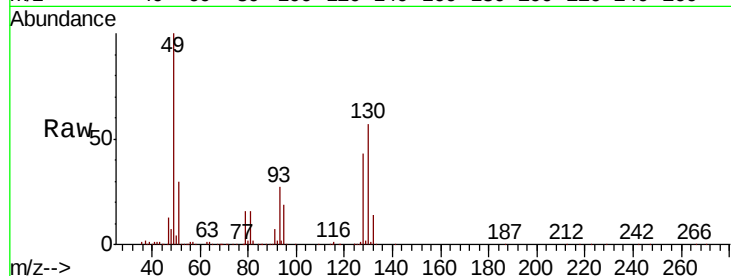
Tot Ion: 49 Resp: 1363234

Ion Ratio Lower Upper

49 100

128 47.5 24.4 73.2

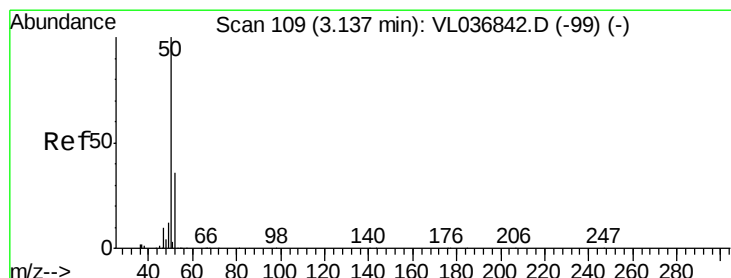
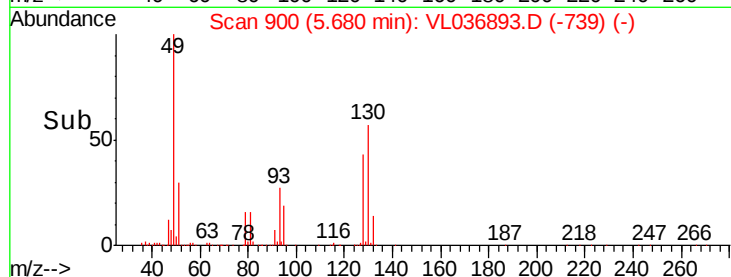
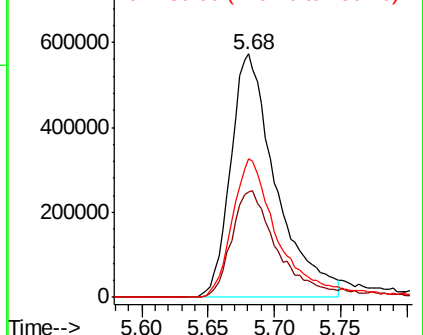
130 60.4 30.3 90.8



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



#4

Chloromethane

Concen: 0.111 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.02 min

Lab File: VL036893.D

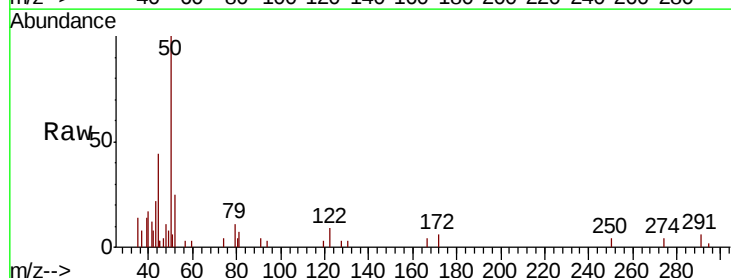
Acq: 28 Apr 2021 23:43

Tgt Ion: 50 Resp: 9095

Ion Ratio Lower Upper

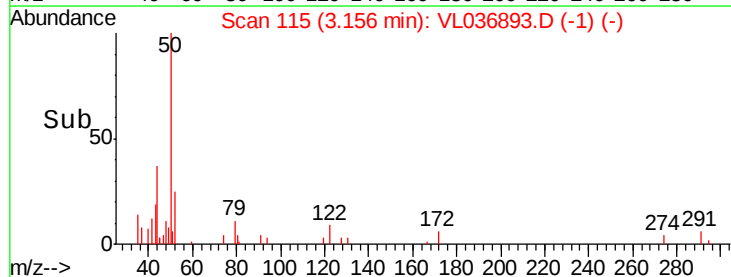
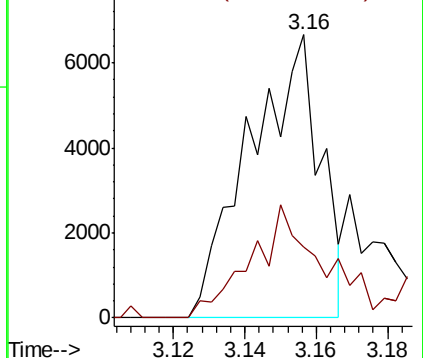
50 100

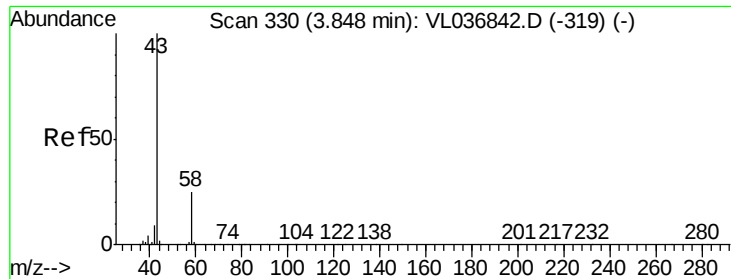
52 24.9 28.5 42.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

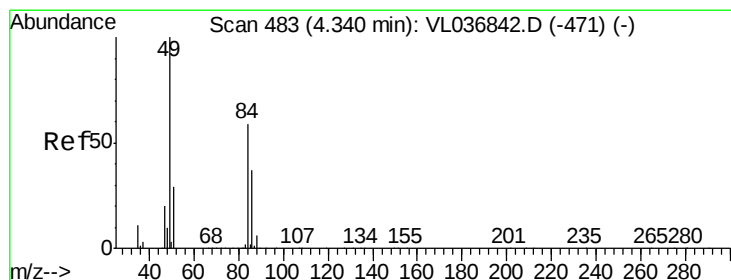
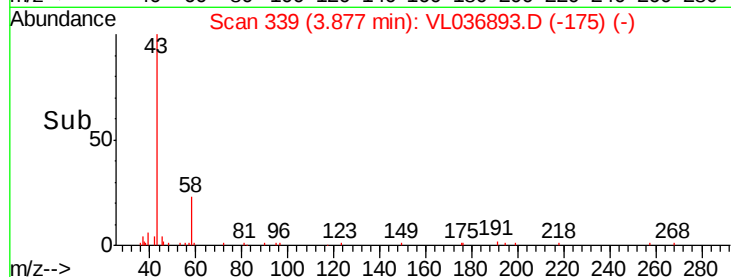
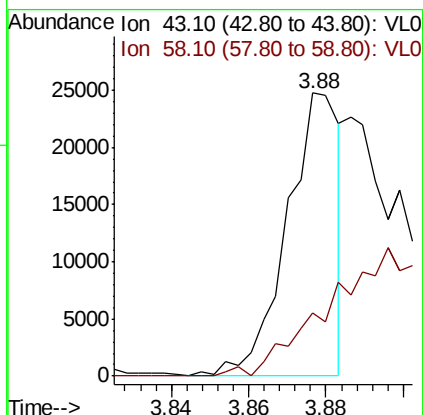
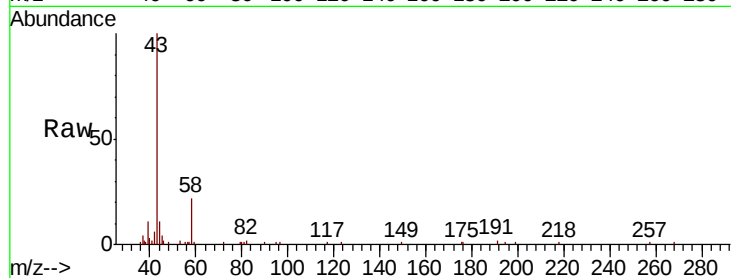




#15
Acetone
Concen: 0.182 ppbv
RT: 3.88 min Scan# 339
Delta R.T. 0.03 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

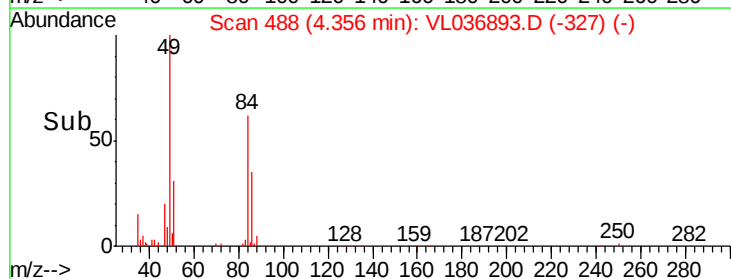
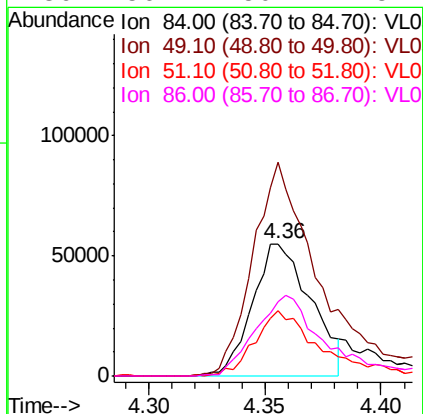
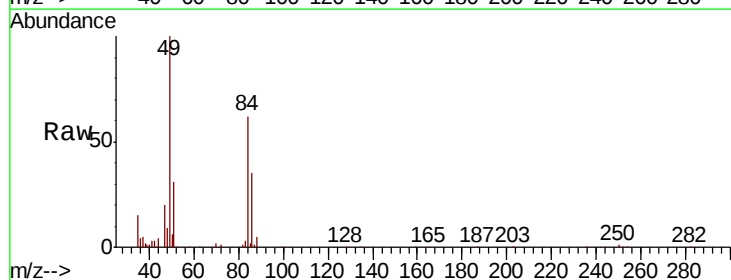
Instrument :
MSVOA_L
ClientSampled :

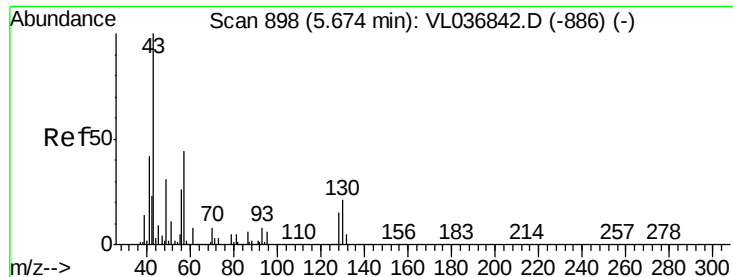
Tot Ion: 43 Resp: 23336
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#



#20
Methylene Chloride
Concen: 1.565 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion: 84 Resp: 96178
Ion Ratio Lower Upper
84 100
49 161.9 135.4 203.0
51 49.5 39.3 58.9
86 56.2 50.2 75.2

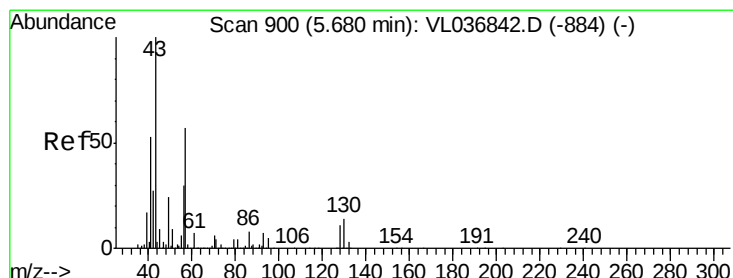
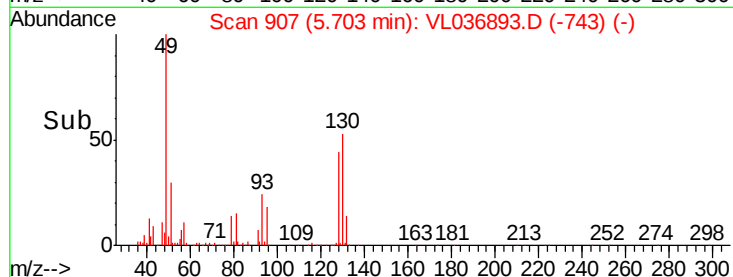
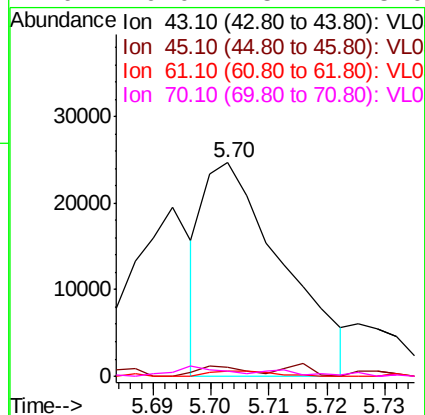
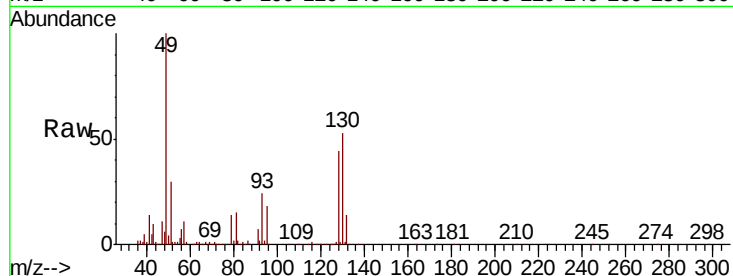




#25
Ethyl Acetate
Concen: 0.074 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

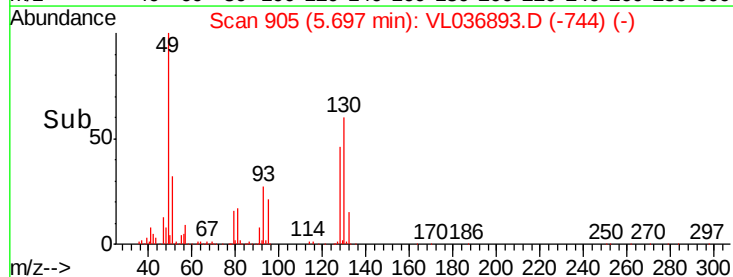
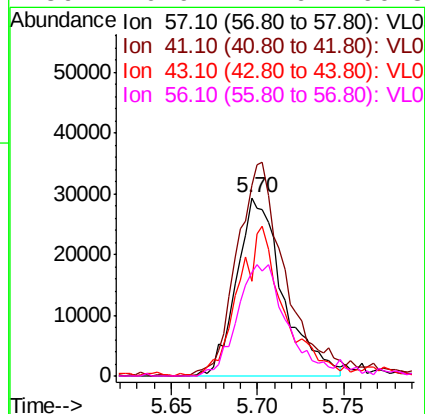
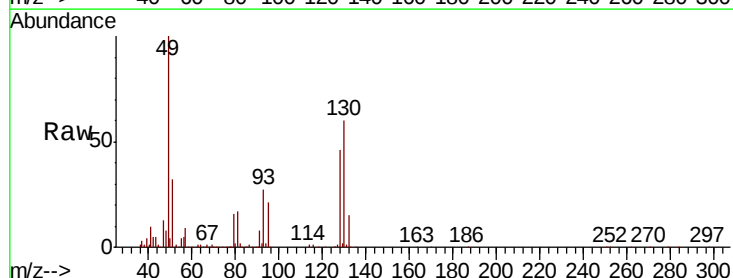
Instrument :
MSVOA_L
ClientSampleId :

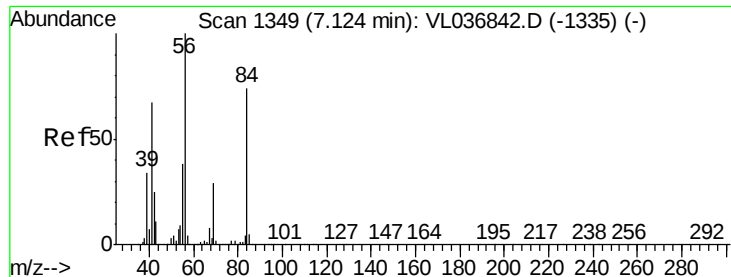
Tot Ion:	43	Resp:	23342
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	2.3	7.4	11.0#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.374 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion:	57	Resp:	54929
Ion	Ratio	Lower	Upper
57	100		
41	131.9	77.7	116.5#
43	83.1	180.5	270.7#
56	70.9	44.6	66.8#

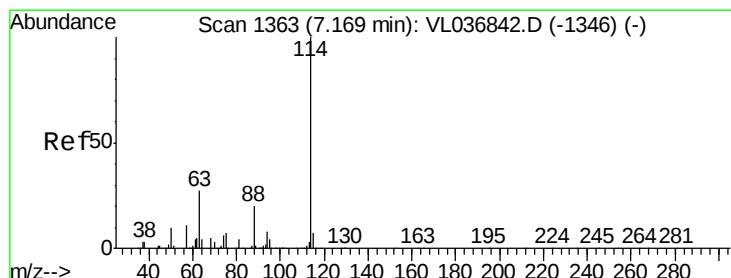
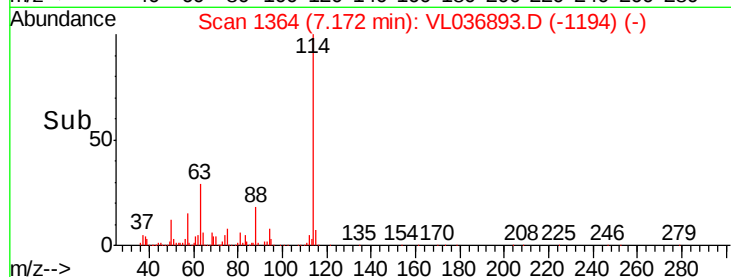
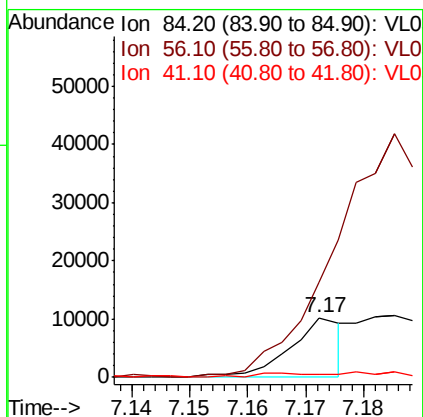
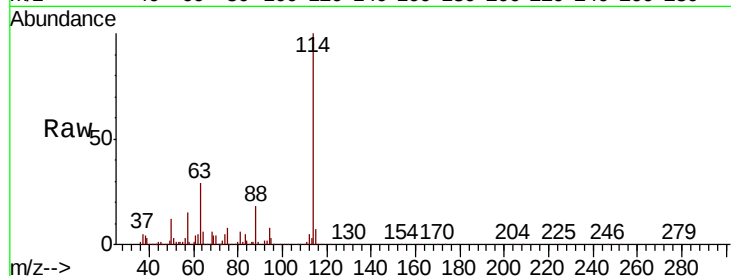




#30
Cvclohexane
Concen: 0.056 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.05 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

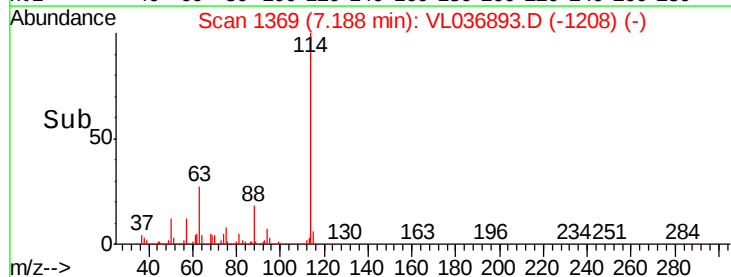
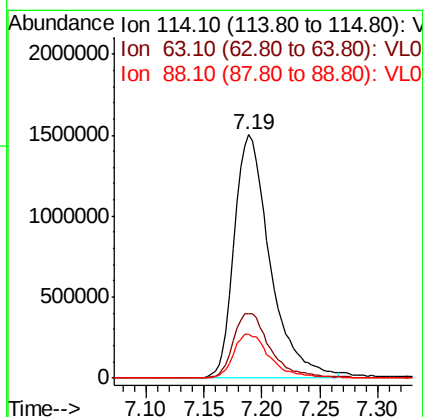
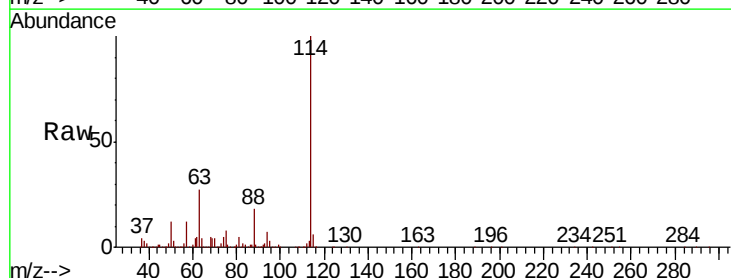
Instrument :
MSVOA_L
ClientSampled :

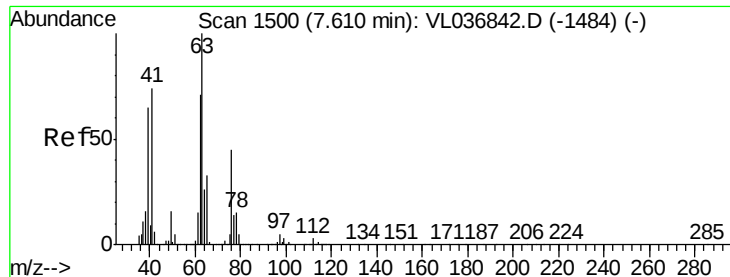
Tot Ion: 84 Resp: 6510
Ion Ratio Lower Upper
84 100
56 0.0 115.8 173.6#
41 0.0 74.6 111.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.02 min
Lab File: VL036893.D
Acq: 28 Apr 2021 23:43

Tgt Ion:114 Resp: 3222122
Ion Ratio Lower Upper
114 100
63 27.8 21.9 32.9
88 18.7 15.1 22.7





#39

1,2-Dichloropropane

Concen: 8.001 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.42 min

Lab File: VL036893.D

Acq: 28 Apr 2021 23:43

Instrument :

MSVOA_L

ClientSampleId :

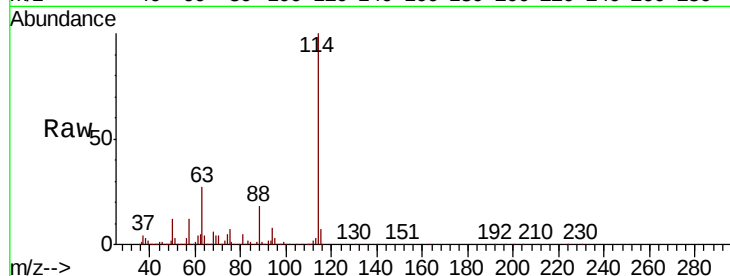
Tot Ion: 63 Resp: 870249

Ion Ratio Lower Upper

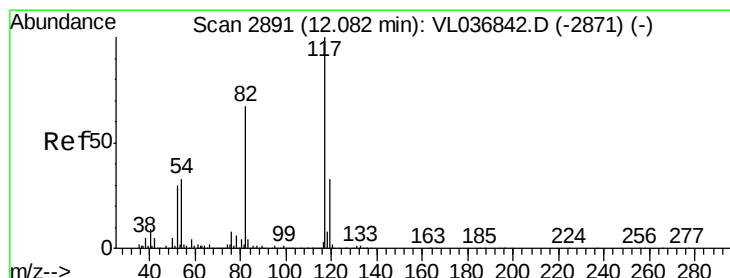
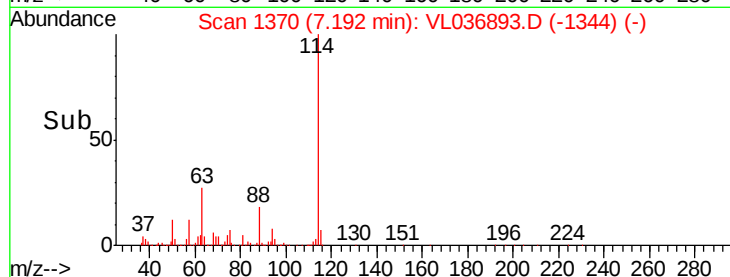
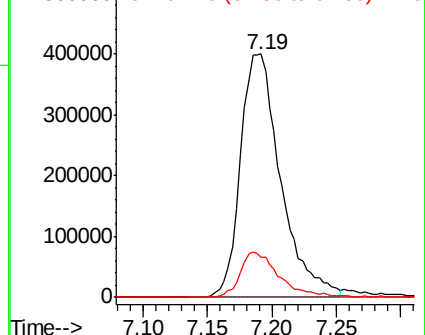
63 100

41 0.2 59.1 88.7#

62 16.4 56.9 85.3#



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: 12.10 min Scan# 2897

Delta R.T. 0.02 min

Lab File: VL036893.D

Acq: 28 Apr 2021 23:43

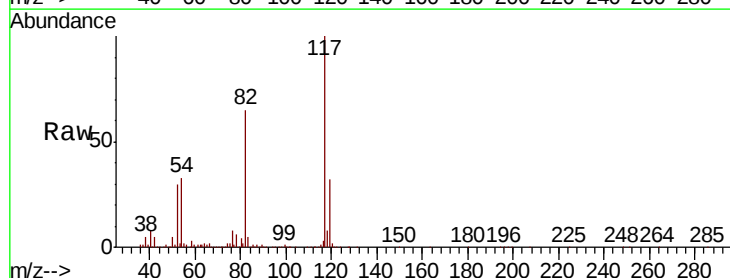
Tgt Ion: 117 Resp: 2953080

Ion Ratio Lower Upper

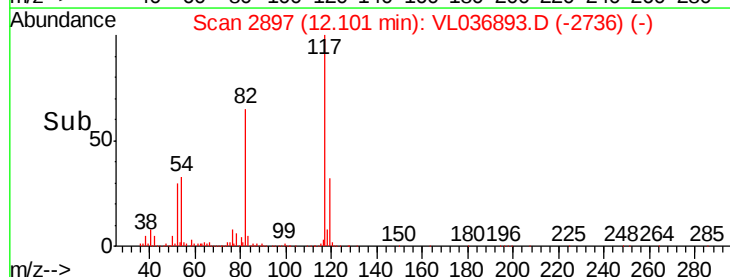
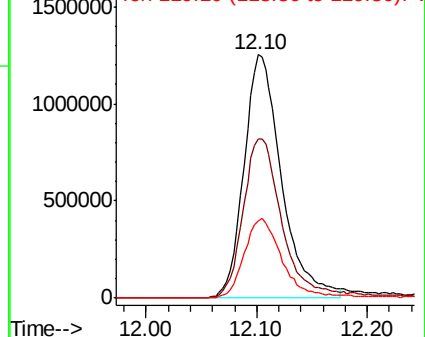
117 100

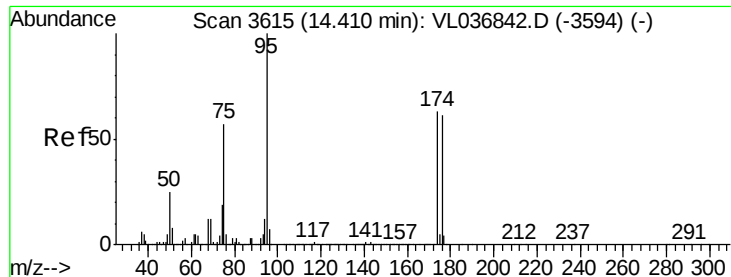
82 70.2 53.5 80.3

119 34.0 25.6 38.4



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: 9.482 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. 0.03 min

Lab File: VL036893.D

Acq: 28 Apr 2021 23:43

Instrument :

MSVOA_L

ClientSampleId :

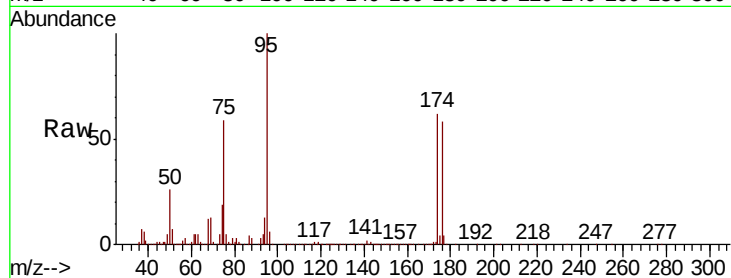
Tot Ion: 95 Resp: 2247761

Ion Ratio Lower Upper

95 100

174 68.0 52.2 78.2

175 4.9 4.0 6.0



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

