

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036892.D
 Acq On : 28 Apr 2021 23:05
 Operator : SY/AP
 Sample : OC042221 CAN 10663
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 29 03:12:00 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	1358093	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3185584	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	2906123	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2279204	9.77	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

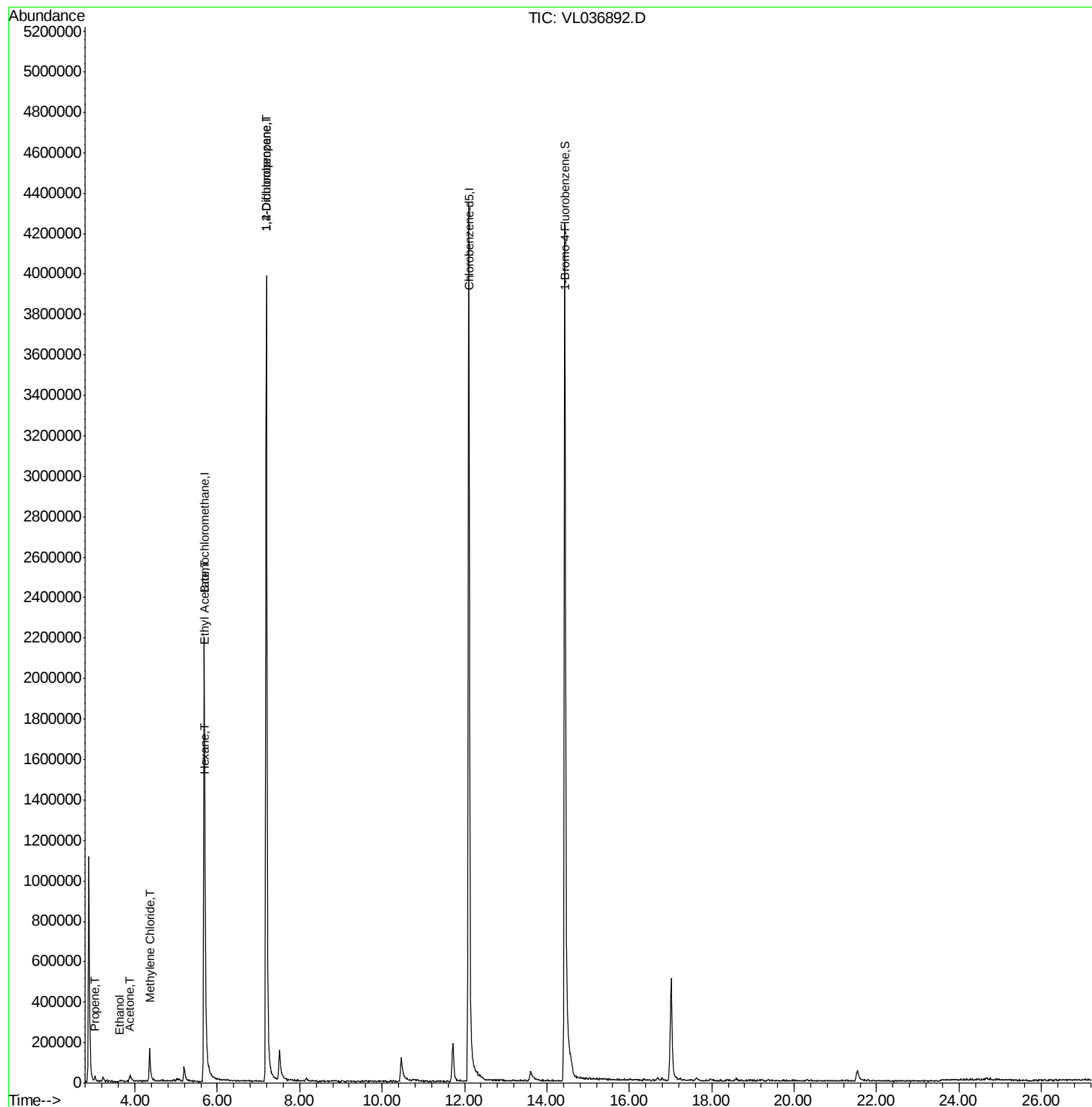
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	4607	0.061	ppbv #	15
13) Ethanol	3.63	45	1123	0.117	ppbv #	34
15) Acetone	3.87	43	9394	0.073	ppbv #	48
20) Methylene Chloride	4.36	84	39015	0.637	ppbv	96
25) Ethyl Acetate	5.70	43	14024	0.045	ppbv #	91
26) Hexane	5.71	57	16224	0.111	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	854257	7.944	ppbv #	24

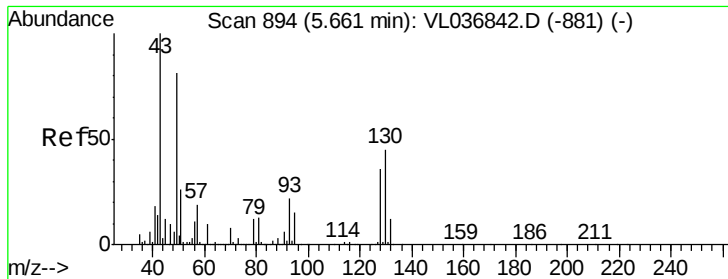
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

Lab File: VL036892.D

Acq: 28 Apr 2021 23:05

Instrument :
MSVOA_L
ClientSampleId :

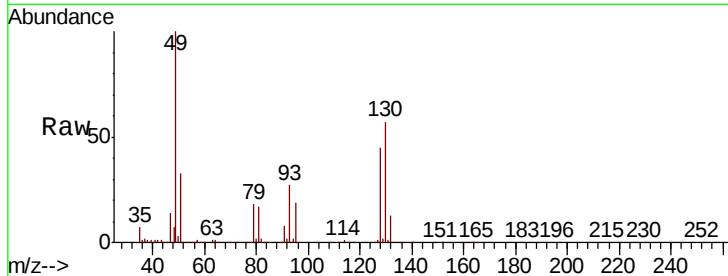
Tot Ion: 49 Resp: 1358093

Ion Ratio Lower Upper

49 100

128 46.4 24.4 73.2

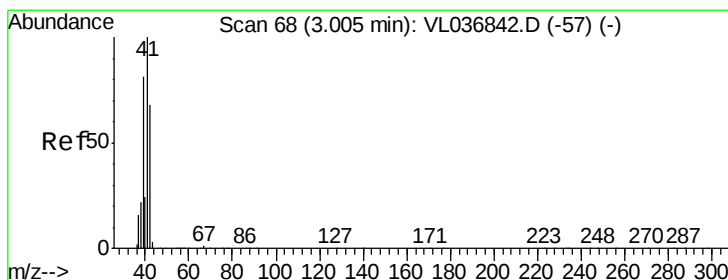
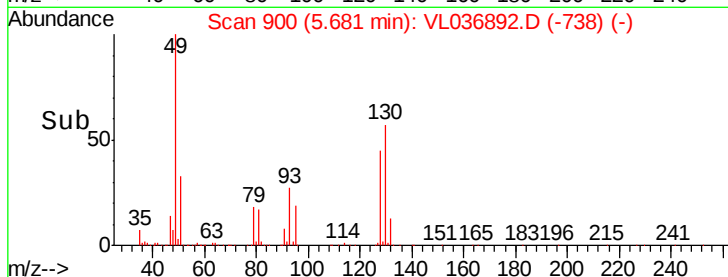
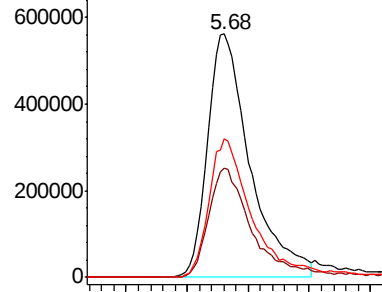
130 60.0 30.3 90.8



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



#9

Propene

Concen: 0.061 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.03 min

Lab File: VL036892.D

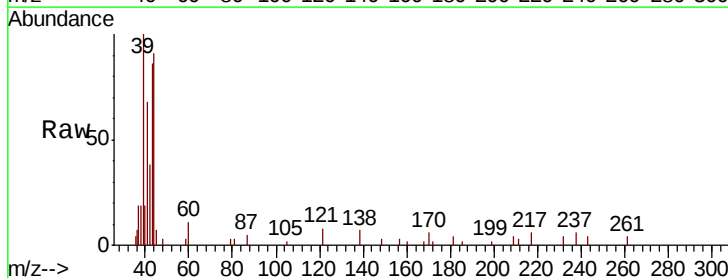
Acq: 28 Apr 2021 23:05

Tgt Ion: 41 Resp: 4607

Ion Ratio Lower Upper

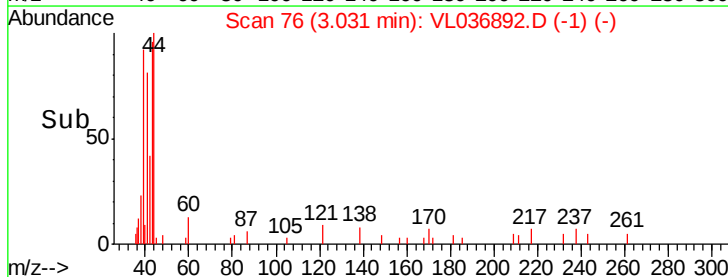
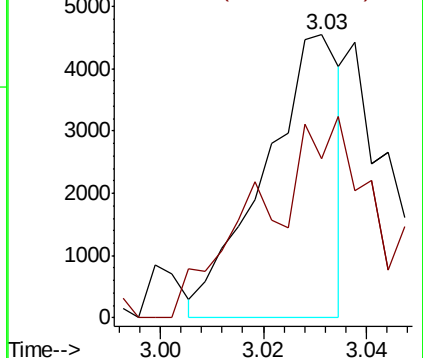
41 100

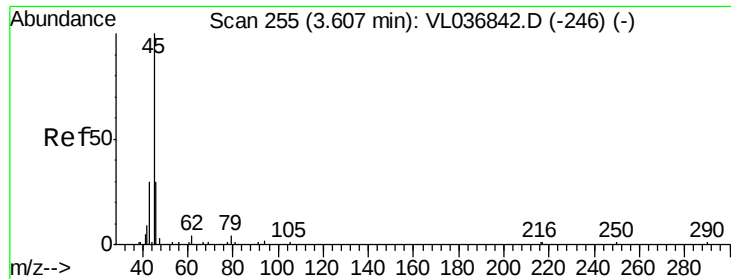
42 0.0 56.0 84.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.117 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

Lab File: VL036892.D

Acq: 28 Apr 2021 23:05

Instrument :

MSVOA_L

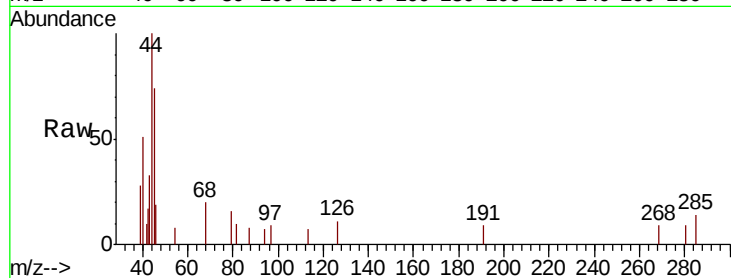
ClientSampled :

Tot Ion: 45 Resp: 1123

Ion Ratio Lower Upper

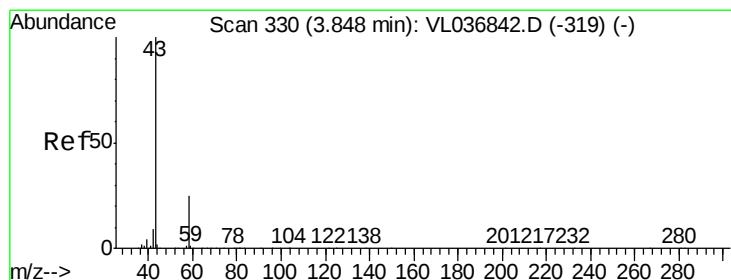
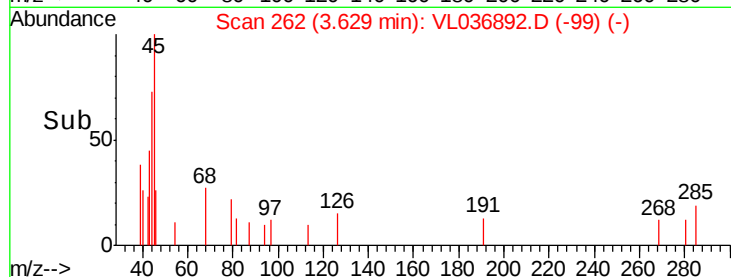
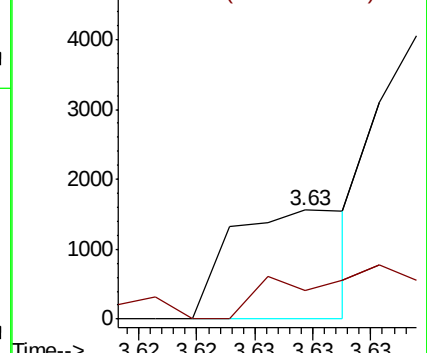
45 100

46 0.0 16.8 67.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.073 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL036892.D

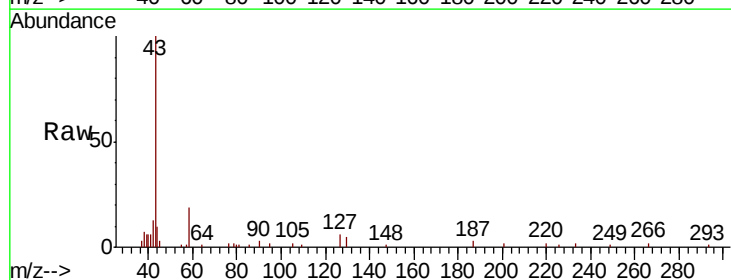
Acq: 28 Apr 2021 23:05

Tgt Ion: 43 Resp: 9394

Ion Ratio Lower Upper

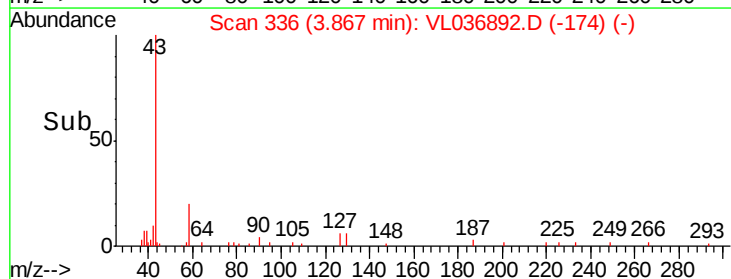
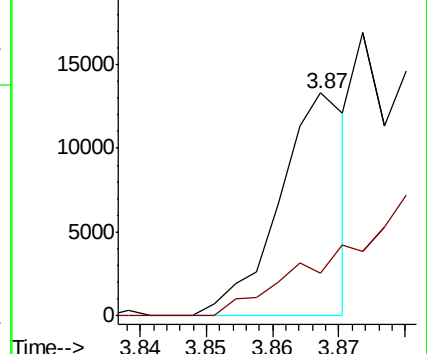
43 100

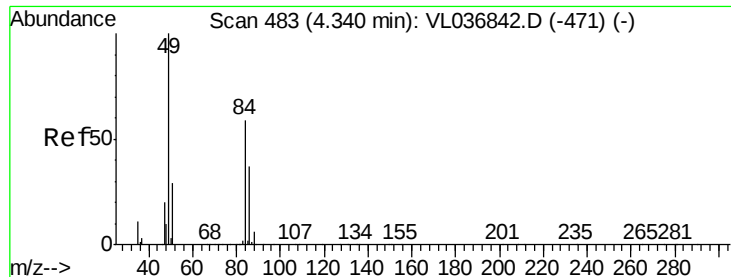
58 0.0 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

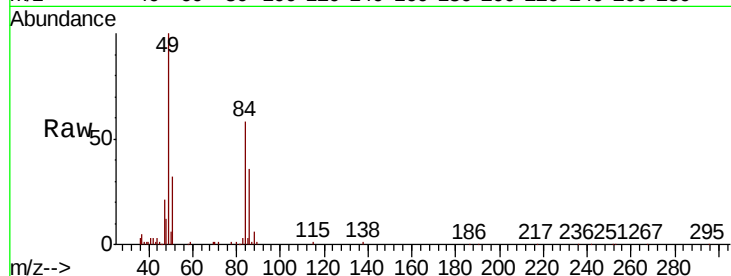




#20
Methylene Chloride
Concen: 0.637 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.02 min
Lab File: VL036892.D
Acq: 28 Apr 2021 23:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	39015
Ion	Ratio	Lower	Upper
84	100		
49	172.9	135.4	203.0
51	55.7	39.3	58.9
86	61.9	50.2	75.2



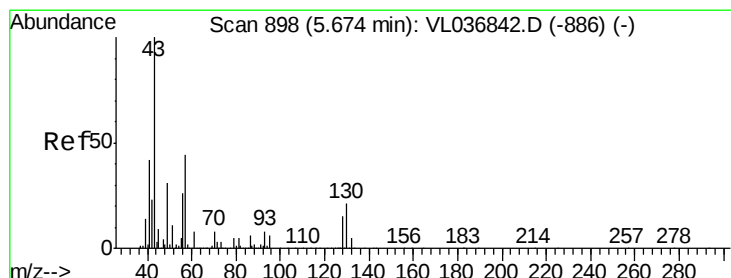
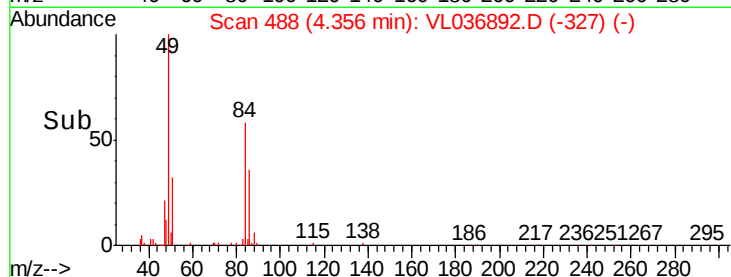
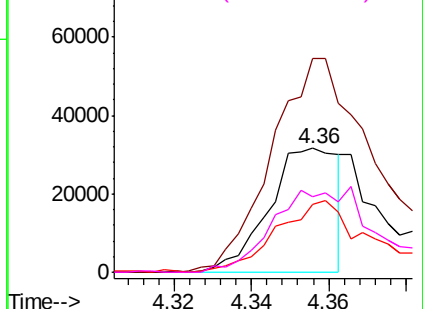
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

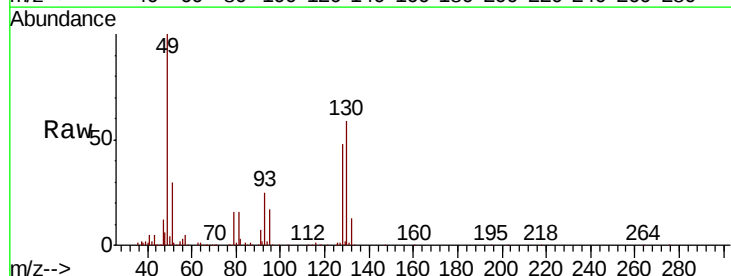
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 0.045 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.02 min
Lab File: VL036892.D
Acq: 28 Apr 2021 23:05

Tgt Ion:	43	Resp:	14024
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	0.6	7.4	11.0#
70	7.7	5.4	8.0



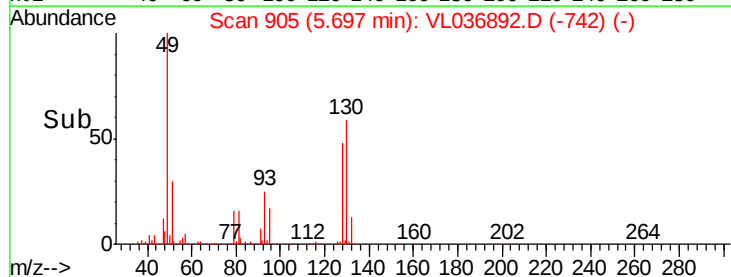
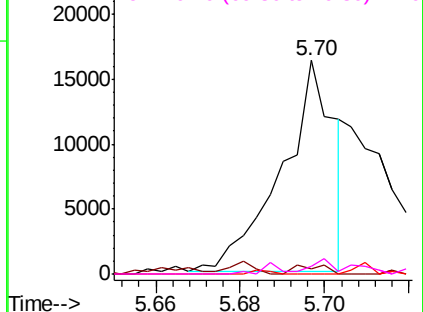
Abundance

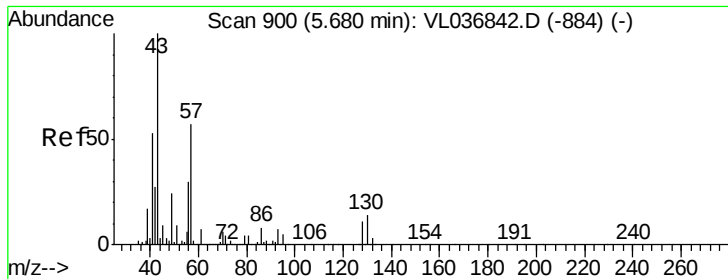
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.111 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.03 min

Lab File: VL036892.D

Acq: 28 Apr 2021 23:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 16224

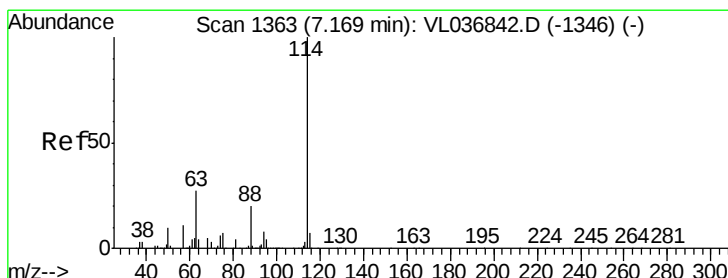
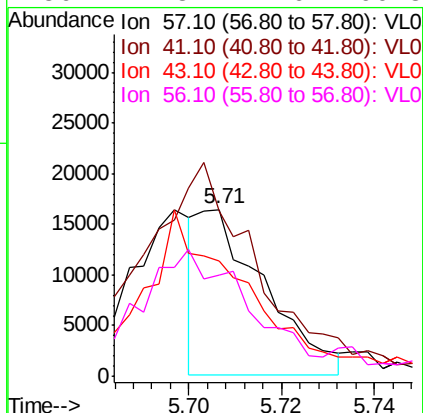
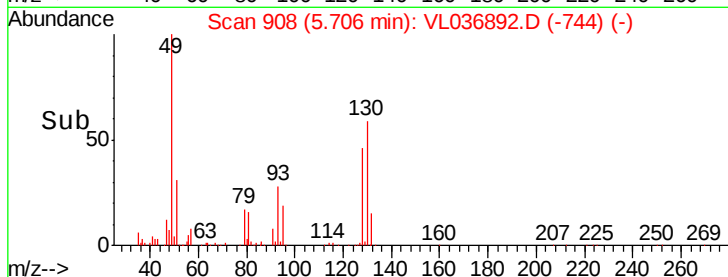
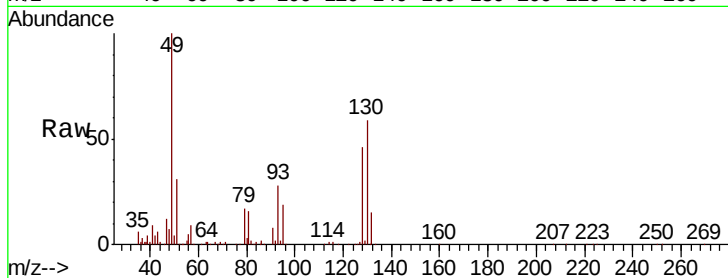
Ion Ratio Lower Upper

57 100

41 259.1 77.7 116.5#

43 0.0 180.5 270.7#

56 147.8 44.6 66.8#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.02 min

Lab File: VL036892.D

Acq: 28 Apr 2021 23:05

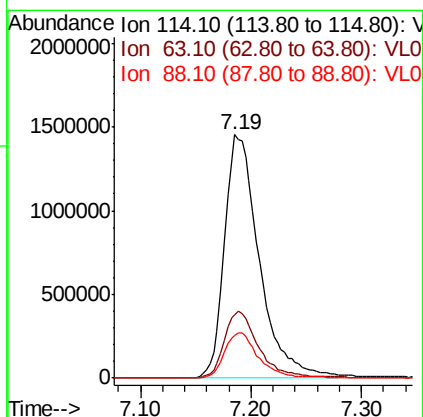
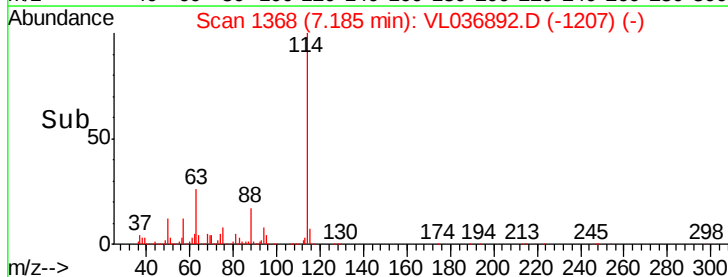
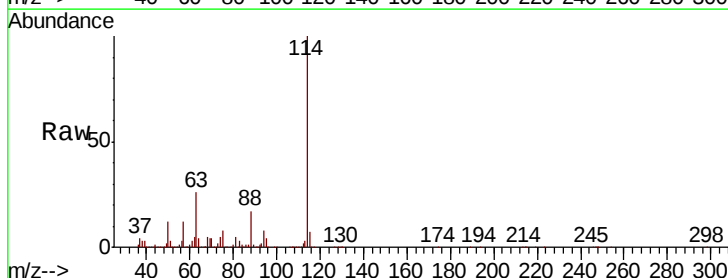
Tgt Ion:114 Resp: 3185584

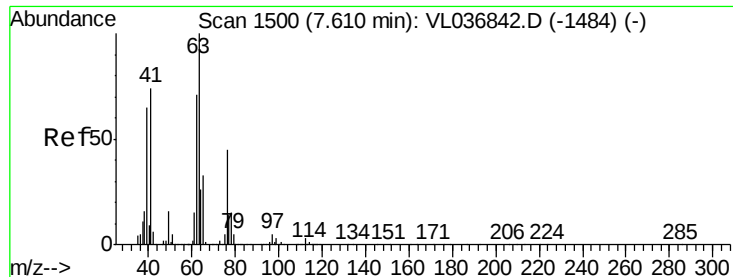
Ion Ratio Lower Upper

114 100

63 27.5 21.9 32.9

88 18.5 15.1 22.7

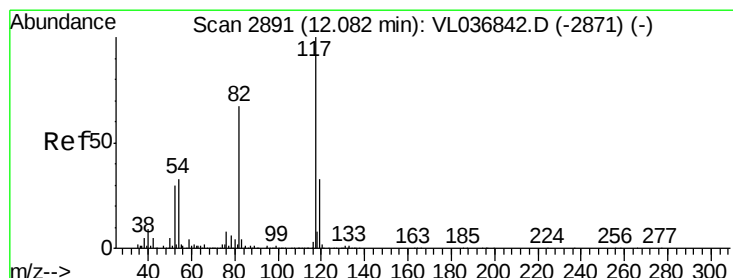
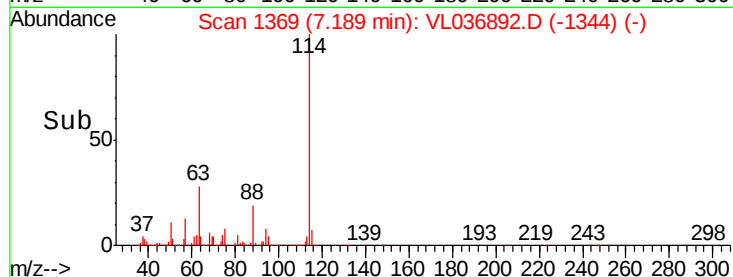
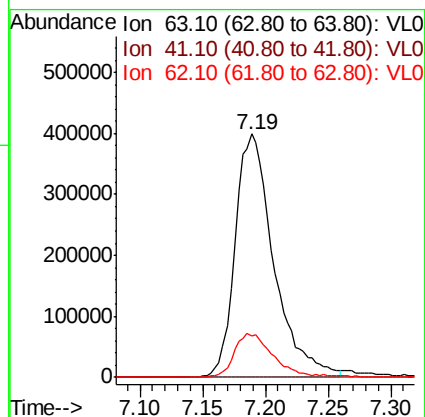
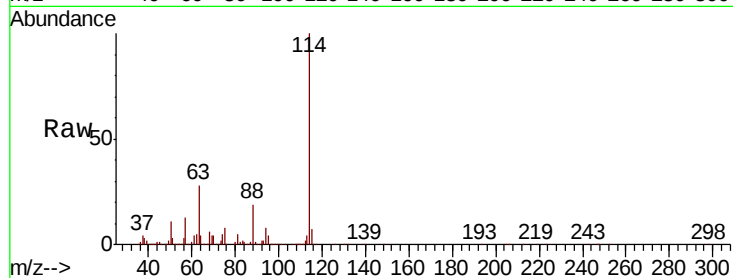




#39
 1,2-Dichloropropane
 Concen: 7.944 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.42 min
 Lab File: VL036892.D
 Acq: 28 Apr 2021 23:05

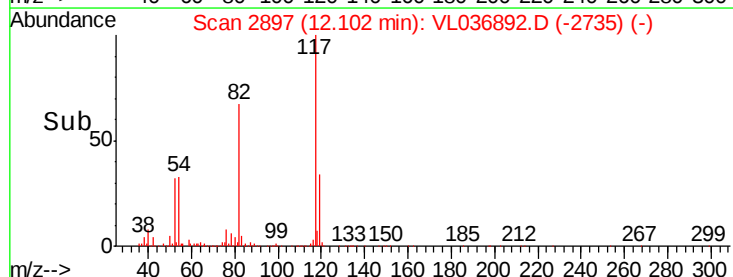
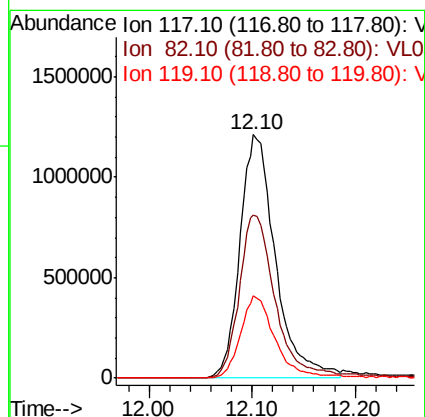
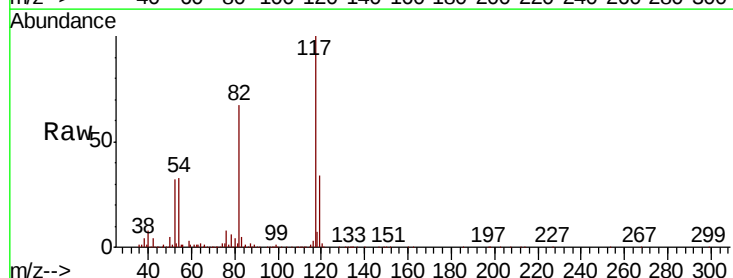
Instrument :
 MSVOA_L
 ClientSampleId :

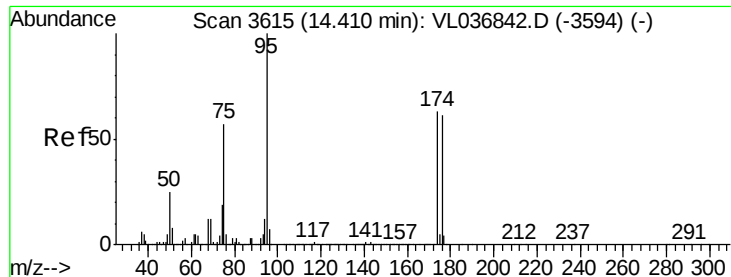
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.2	59.1	88.7#
62	17.1	56.9	85.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2897
 Delta R.T. 0.02 min
 Lab File: VL036892.D
 Acq: 28 Apr 2021 23:05

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.8	53.5	80.3
119	34.4	25.6	38.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.770 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.02 min

Lab File: VL036892.D

Acq: 28 Apr 2021 23:05

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2279204

Ion Ratio Lower Upper

95 100

174 65.8 52.2 78.2

175 4.8 4.0 6.0

