

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
 Data File : VL036386.D
 Acq On : 25 Feb 2021 18:16
 Operator : SY/AP
 Sample : M1463-14DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 26 00:37:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1564734	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3320965	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2959789	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2419034	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

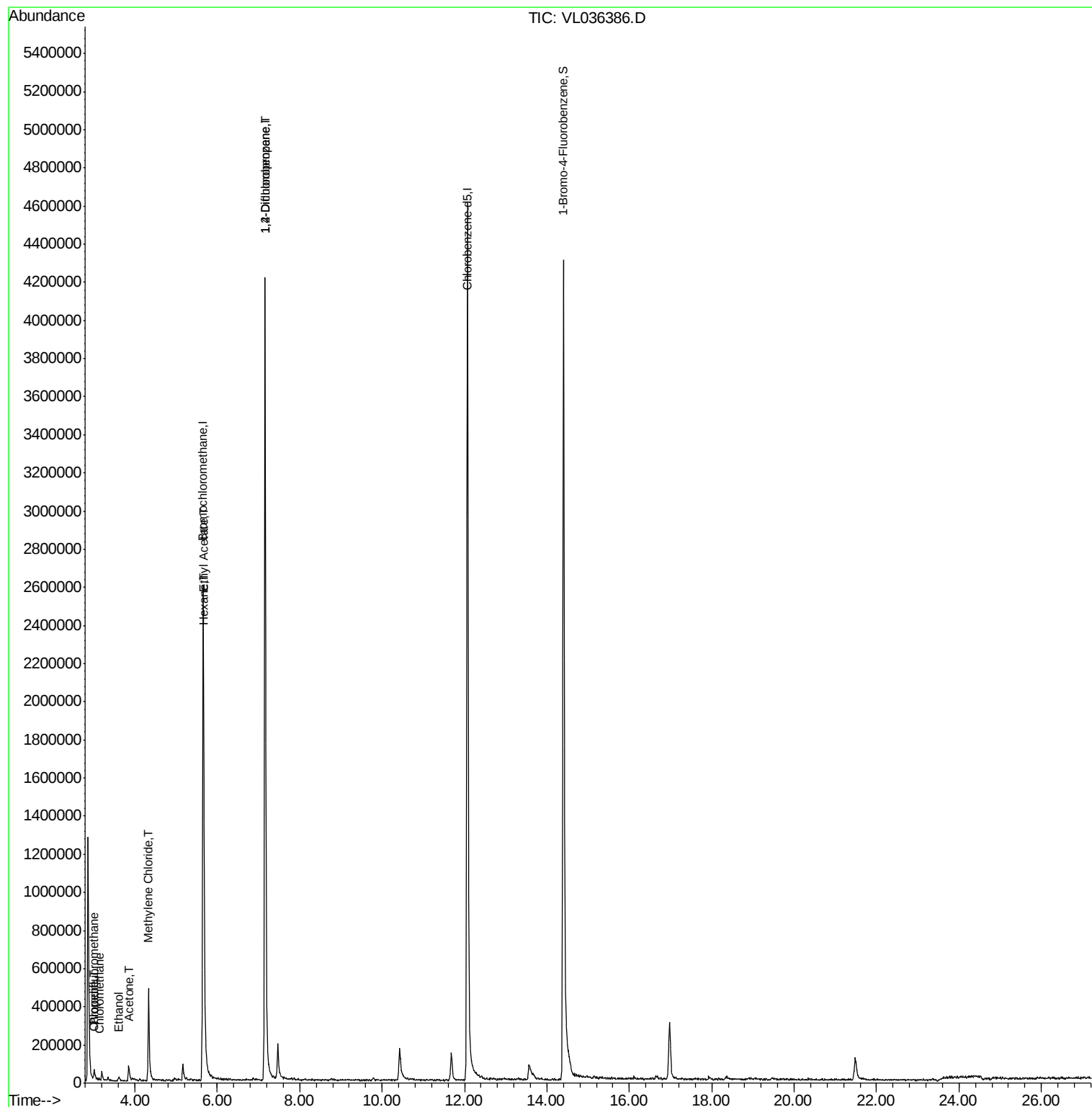
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	12327	0.063	ppbv #	84
4) Chloromethane	3.13	50	4506	0.048	ppbv	89
9) Propene	3.01	41	12340	0.170	ppbv	97
13) Ethanol	3.60	45	10291	0.756	ppbv #	32
15) Acetone	3.85	43	85312	0.446	ppbv #	60
20) Methylene Chloride	4.33	84	187291	3.035	ppbv	93
25) Ethyl Acetate	5.67	43	191088	0.518	ppbv #	78
26) Hexane	5.67	57	248876	1.640	ppbv #	39
39) 1,2-Dichloropropane	7.16	63	474701	4.142	ppbv #	22

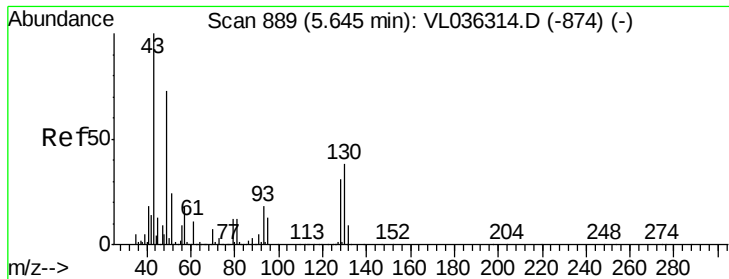
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
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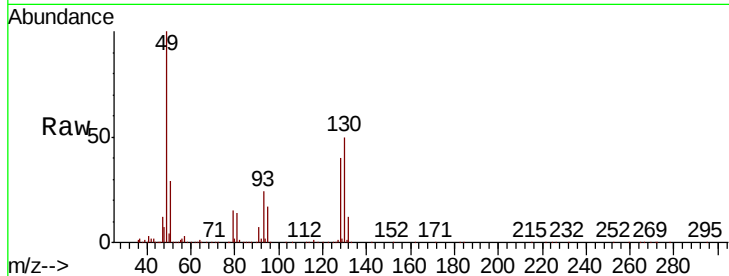


#1

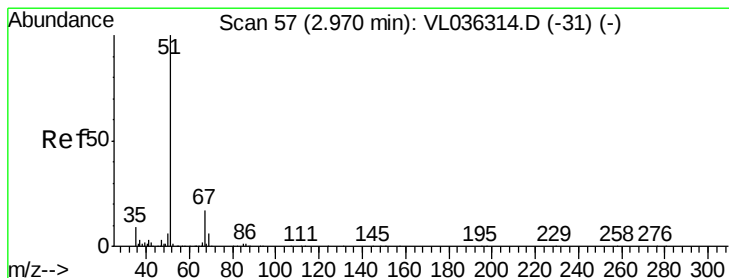
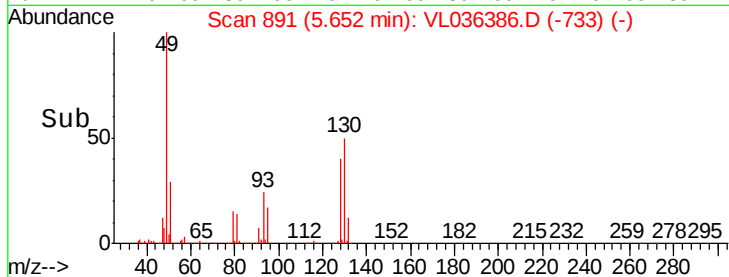
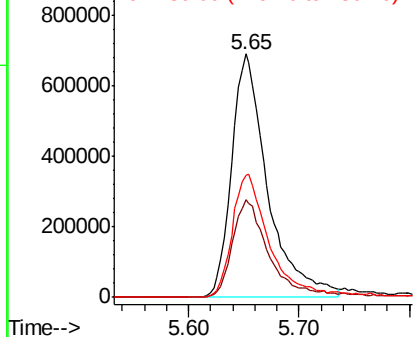
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.01 min
 Lab File: VL036386.D
 Acq: 25 Feb 2021 18:16

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 49 Resp: 1564734
 Ion Ratio Lower Upper
 49 100
 128 42.3 20.8 62.5
 130 53.9 26.7 80.1



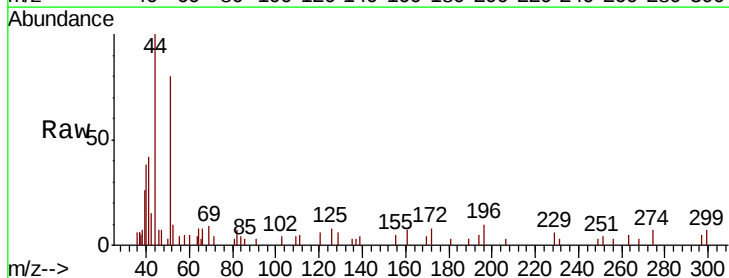
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



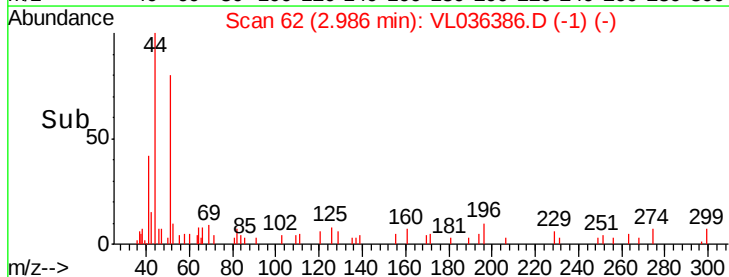
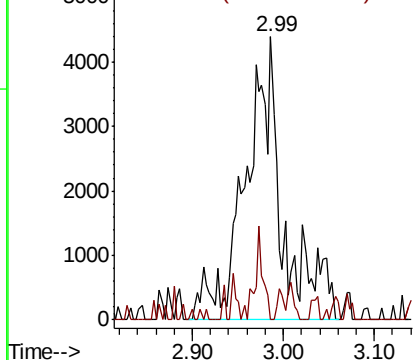
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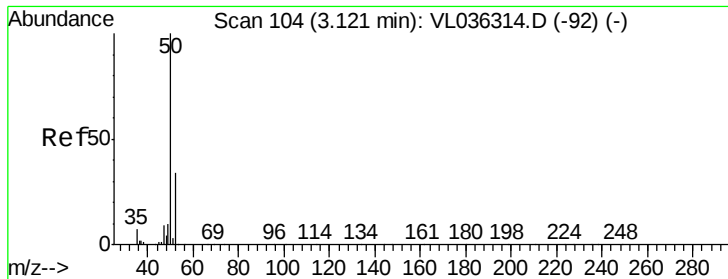
Chlorodifluoromethane
 Concen: 0.063 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.02 min
 Lab File: VL036386.D
 Acq: 25 Feb 2021 18:16

Tgt Ion: 51 Resp: 12327
 Ion Ratio Lower Upper
 51 100
 67 11.4 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0
 Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.048 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.01 min

Lab File: VL036386.D

Acq: 25 Feb 2021 18:16

Instrument :

MSVOA_L

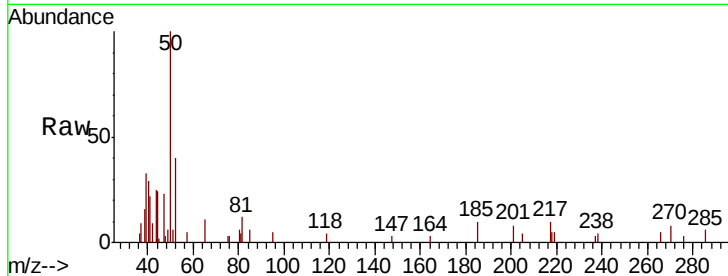
ClientSampleId :

Tot Ion: 50 Resp: 4506

Ion Ratio Lower Upper

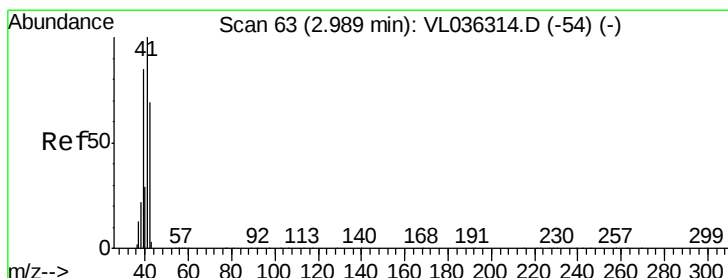
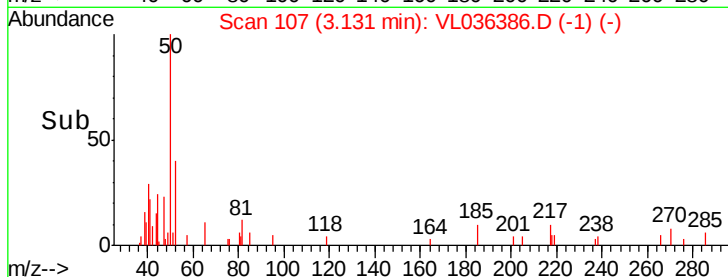
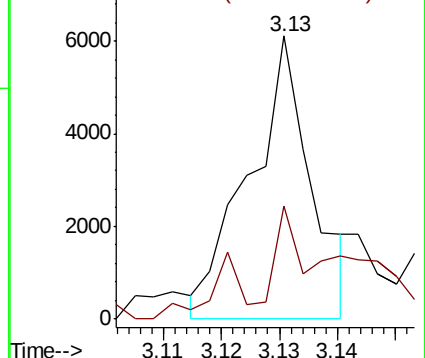
50 100

52 39.7 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.170 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL036386.D

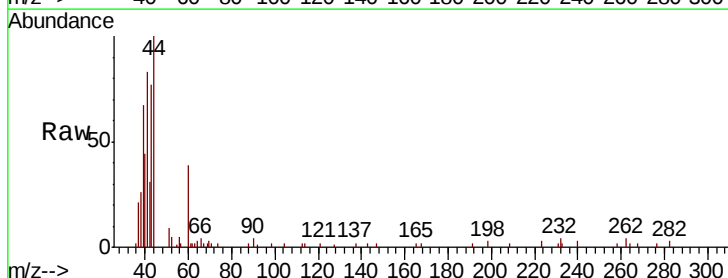
Acq: 25 Feb 2021 18:16

Tgt Ion: 41 Resp: 12340

Ion Ratio Lower Upper

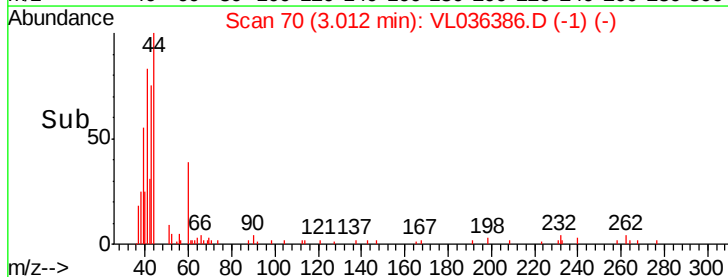
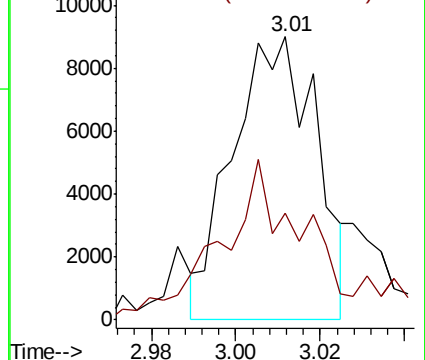
41 100

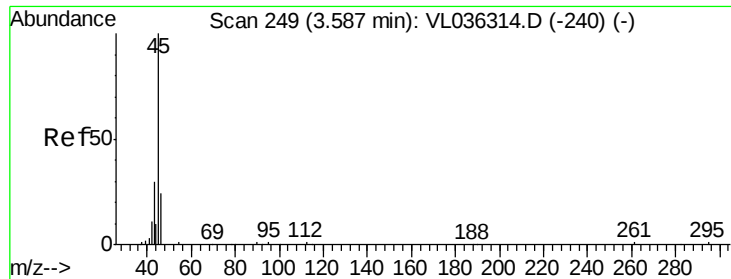
42 73.0 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

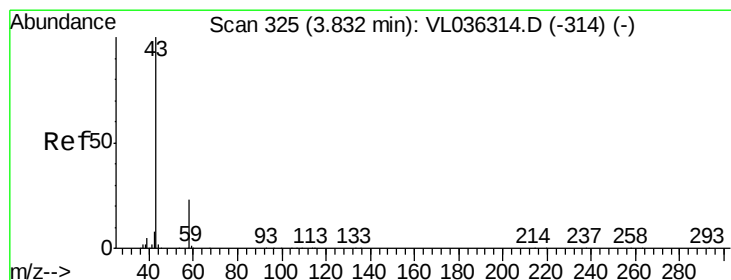
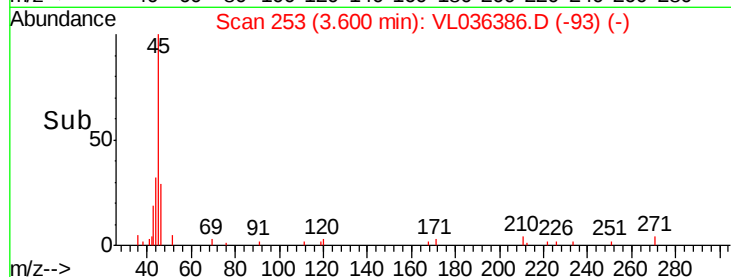
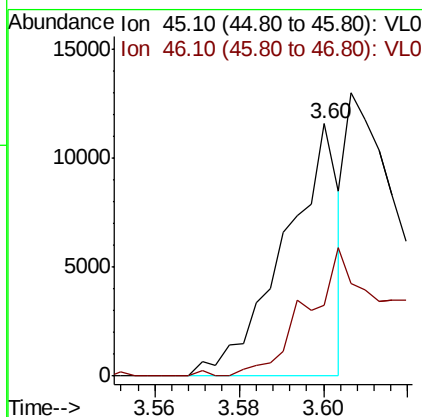
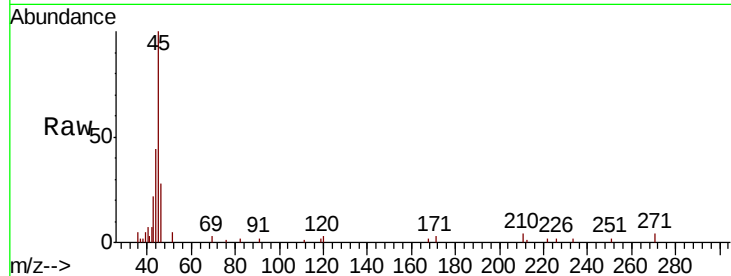




#13
Ethanol
Concen: 0.756 ppbv
RT: 3.60 min Scan# 253
Delta R.T. 0.01 min
Lab File: VL036386.D
Acq: 25 Feb 2021 18:16

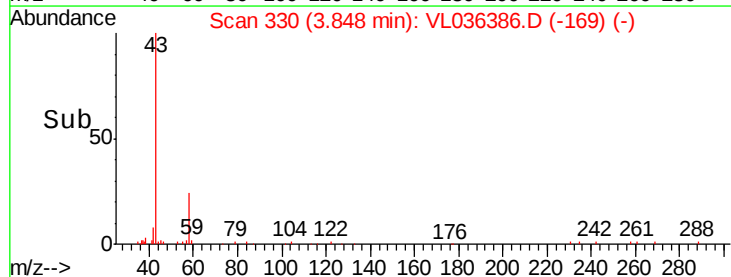
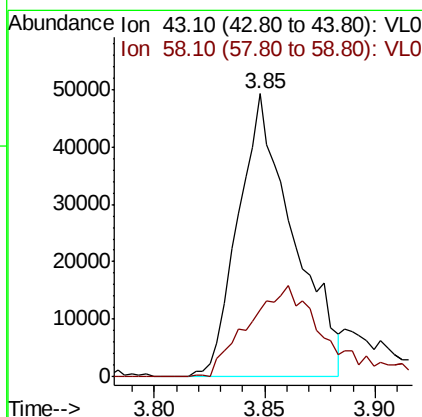
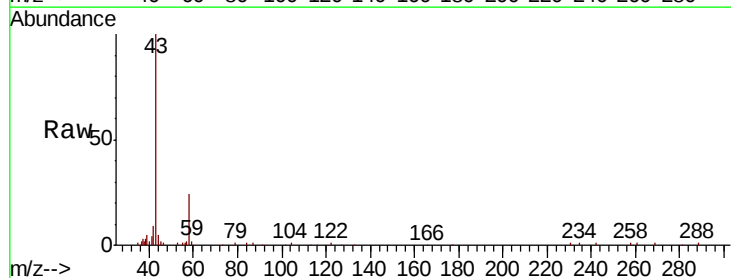
Instrument :
MSVOA_L
ClientSampled :

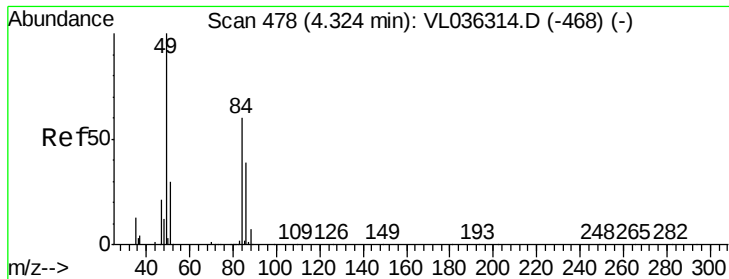
Tot Ion: 45 Resp: 10291
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#



#15
Acetone
Concen: 0.446 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.02 min
Lab File: VL036386.D
Acq: 25 Feb 2021 18:16

Tgt Ion: 43 Resp: 85312
Ion Ratio Lower Upper
43 100
58 45.6 20.3 30.5#

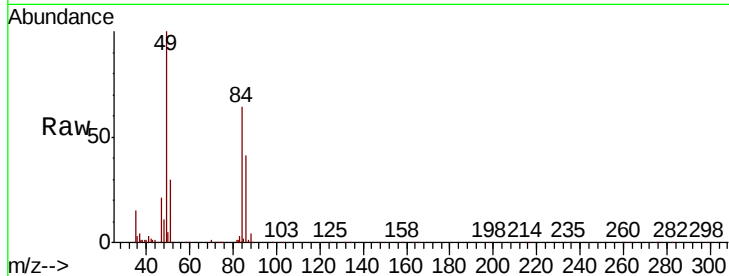




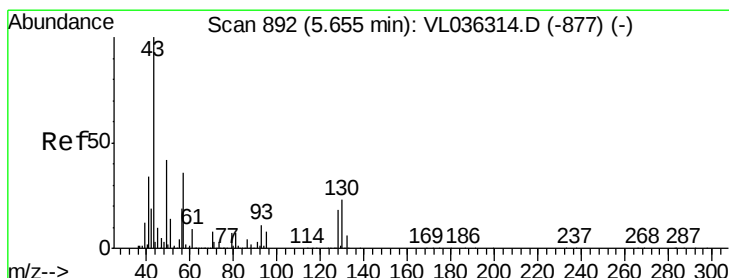
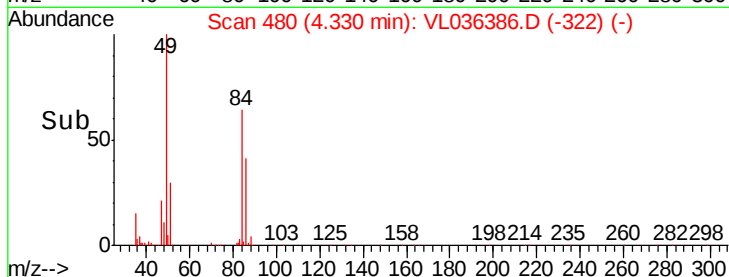
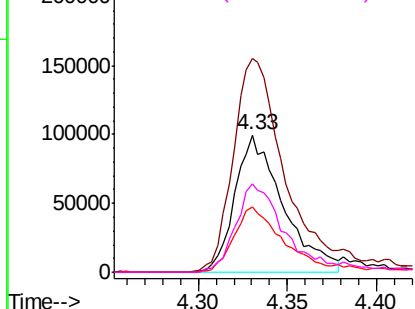
#20
Methvlene Chloride
Concen: 3.035 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL036386.D
Acq: 25 Feb 2021 18:16

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	187291
Ion	Ratio	Lower	Upper
84	100		
49	155.2	133.8	200.8
51	47.2	41.4	62.0
86	64.1	51.5	77.3

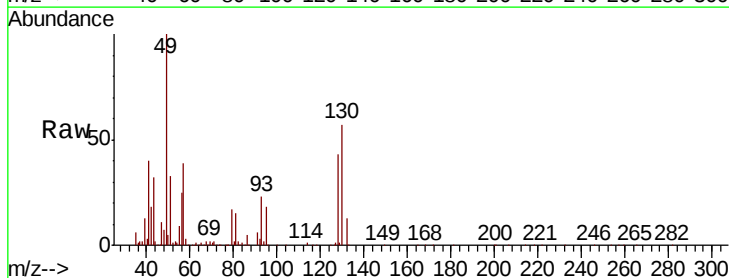


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

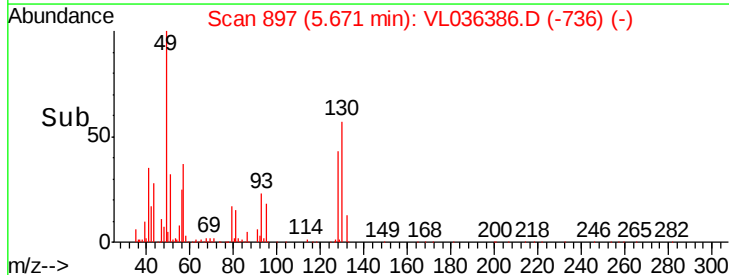
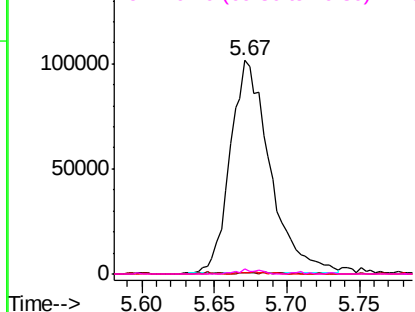


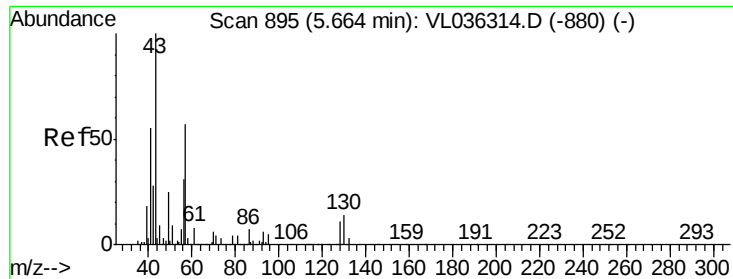
#25
Ethyl Acetate
Concen: 0.518 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.02 min
Lab File: VL036386.D
Acq: 25 Feb 2021 18:16

Tgt Ion:	43	Resp:	191088
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.3	12.5#
61	0.6	7.3	10.9#
70	1.3	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

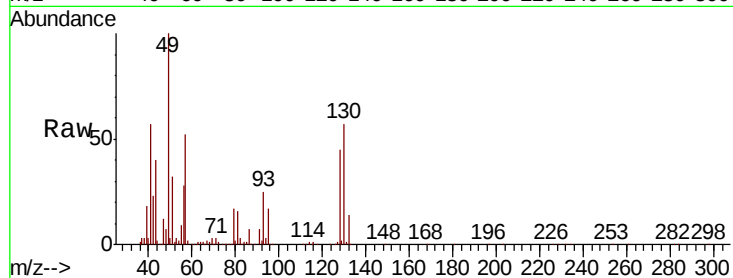




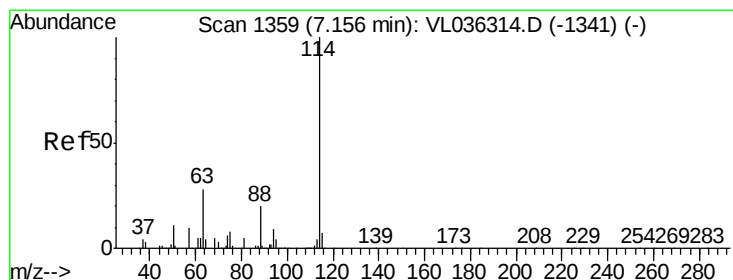
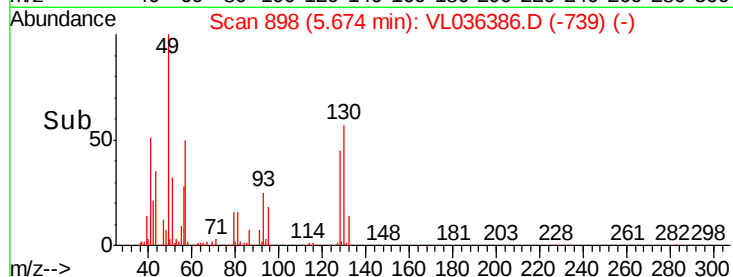
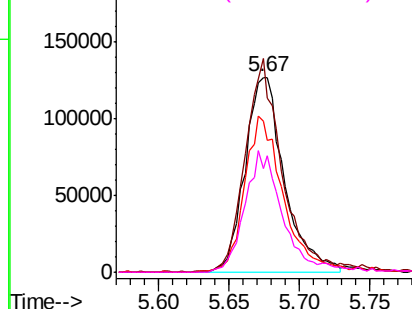
#26
Hexane
Concen: 1.640 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036386.D
Acq: 25 Feb 2021 18:16

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 248876
Ion Ratio Lower Upper
57 100
41 105.9 81.7 122.5
43 80.3 199.1 298.7#
56 60.8 44.0 66.0

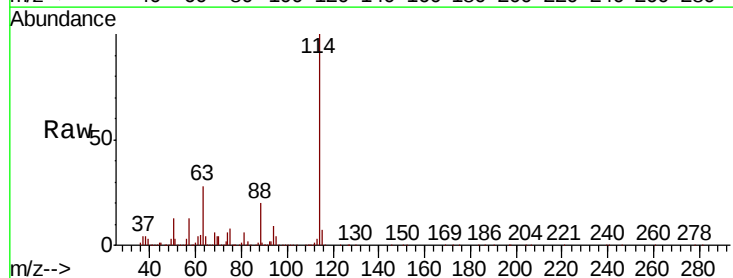


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

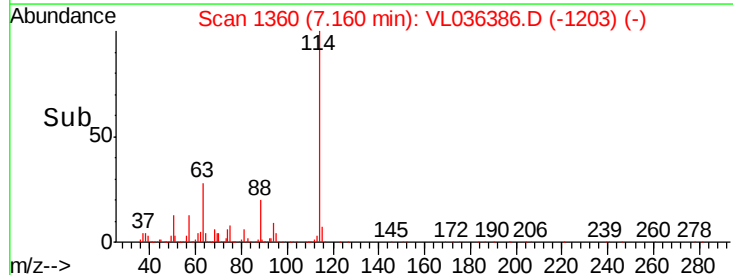
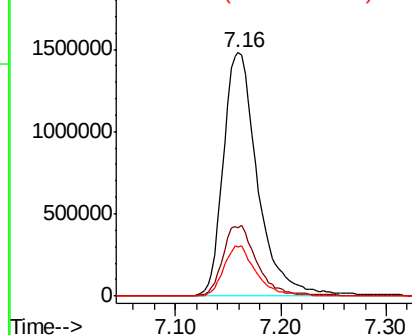


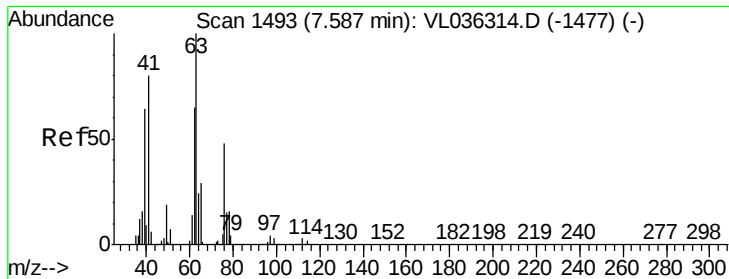
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL036386.D
Acq: 25 Feb 2021 18:16

Tgt Ion: 114 Resp: 3320965
Ion Ratio Lower Upper
114 100
63 29.5 24.1 36.1
88 19.8 16.0 24.0



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

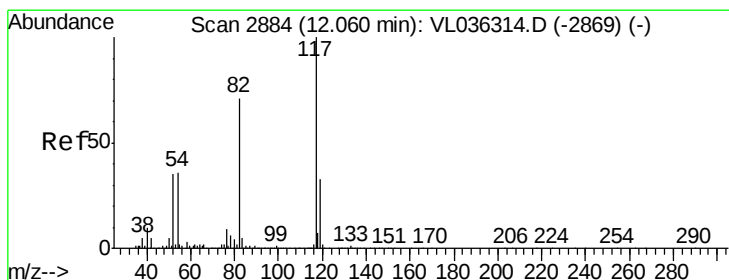
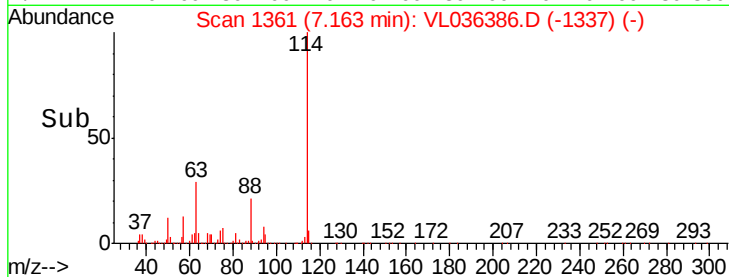
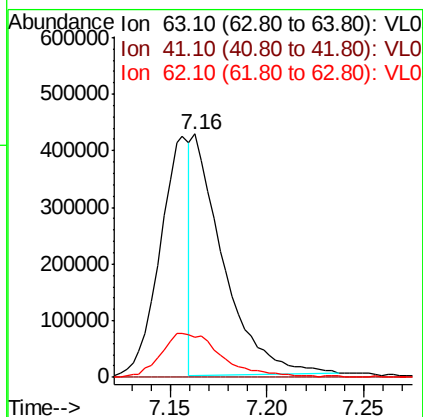
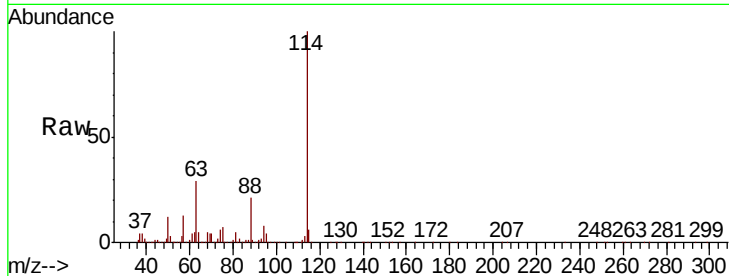




#39
 1,2-Dichloropropane
 Concen: 4.142 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.42 min
 Lab File: VL036386.D
 Acq: 25 Feb 2021 18:16

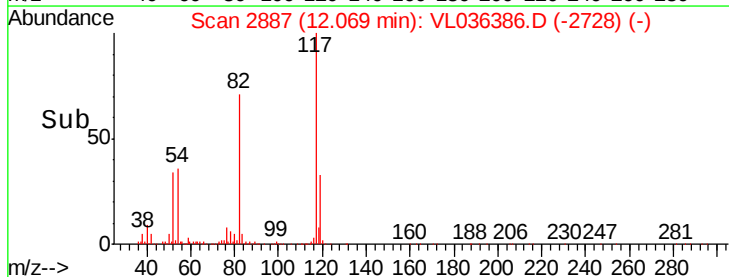
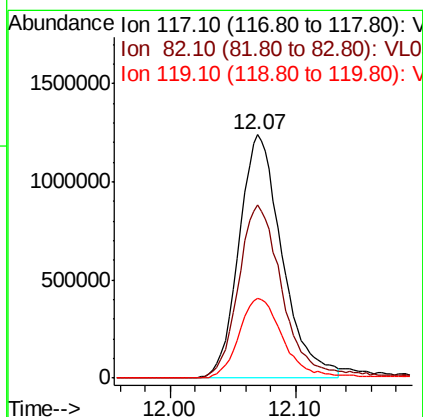
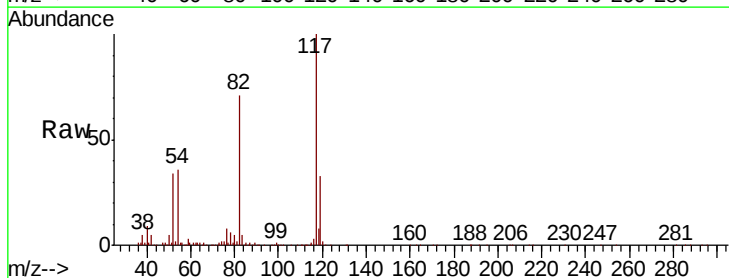
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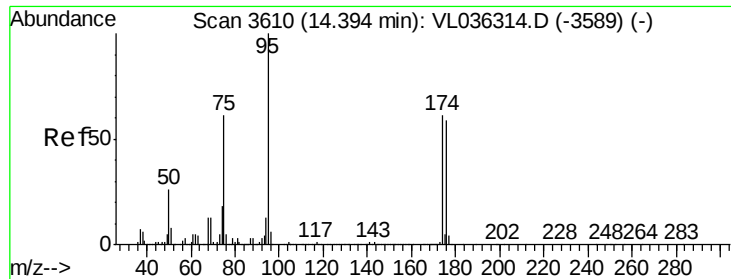
Tot Ion: 63 Resp: 474701
 Ion Ratio Lower Upper
 63 100
 41 0.1 63.8 95.6#
 62 15.9 52.3 78.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T. 0.01 min
 Lab File: VL036386.D
 Acq: 25 Feb 2021 18:16

Tgt Ion: 117 Resp: 2959789
 Ion Ratio Lower Upper
 117 100
 82 75.7 59.1 88.7
 119 34.6 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.934 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL036386.D

Acq: 25 Feb 2021 18:16

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2419034

Ion Ratio Lower Upper

95 100

174 63.9 49.8 74.6

175 4.7 3.7 5.5

