

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022521\
 Data File : VL036381.D
 Acq On : 25 Feb 2021 14:54
 Operator : SY/AP
 Sample : OC022321 CAN 10727
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 26 00:35:59 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	5.66	49	1599642	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.16	114	3451482	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3254098	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2683939	10.02	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

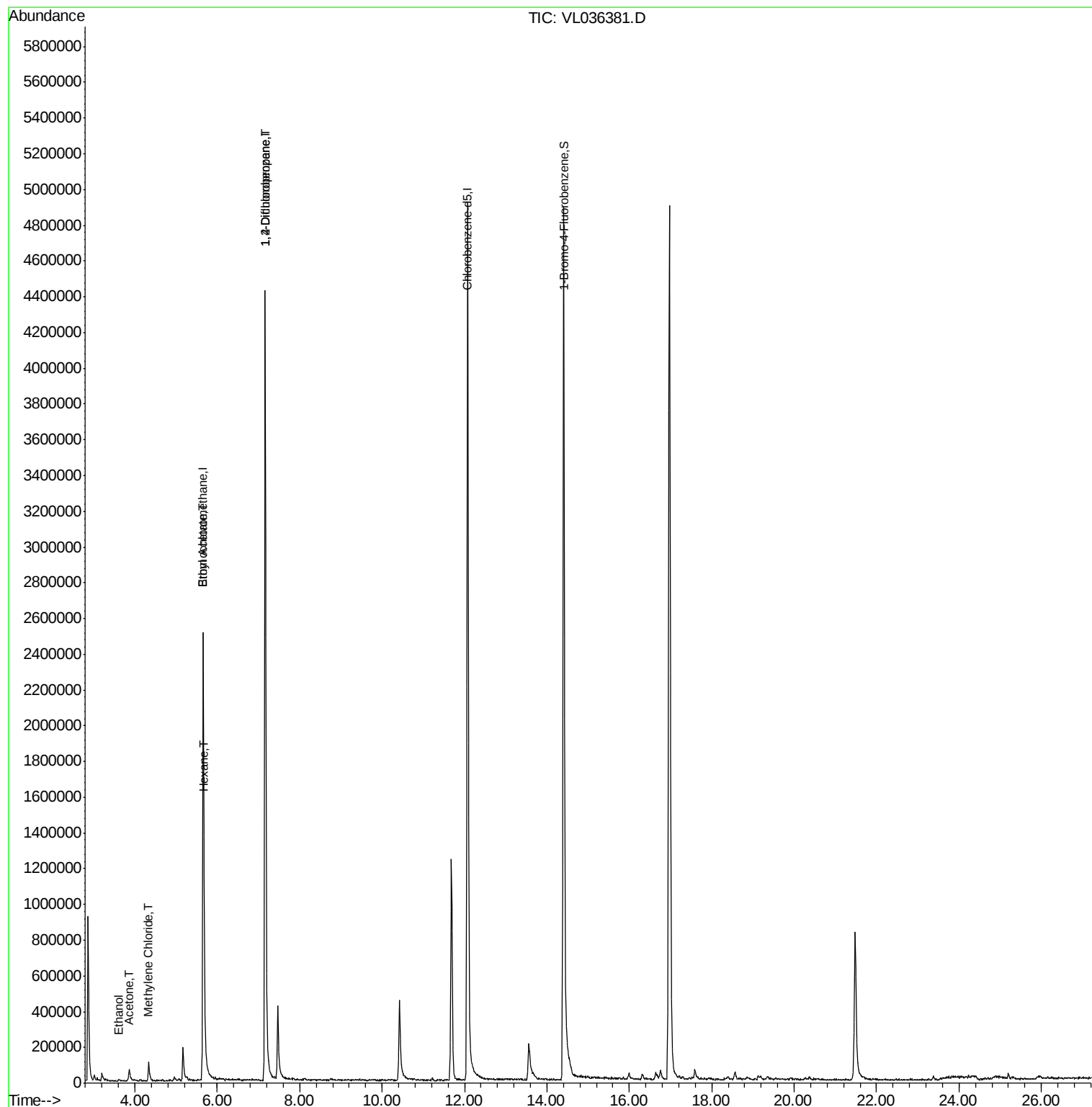
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	578	0.042	ppbv #	32
15) Acetone	3.86	43	56033	0.287	ppbv #	1
20) Methylene Chloride	4.33	84	38457	0.610	ppbv #	87
25) Ethyl Acetate	5.66	43	13521	0.036	ppbv #	75
26) Hexane	5.68	57	19271	0.124	ppbv #	27
39) 1,2-Dichloropropane	7.16	63	1002061	8.414	ppbv #	23

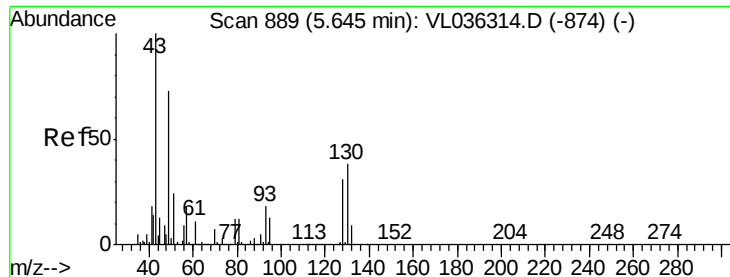
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL036381.D

Acq: 25 Feb 2021 14:54

Instrument :

MSVOA_L

ClientSampled :

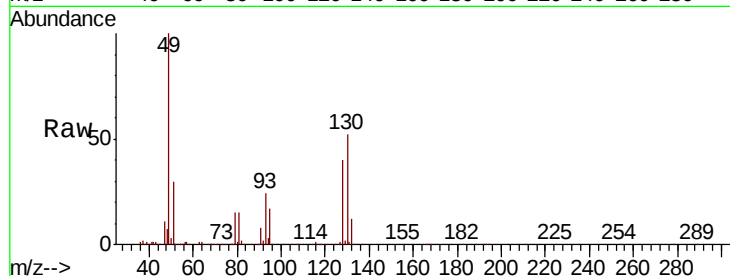
Tot Ion: 49 Resp: 1599642

Ion Ratio Lower Upper

49 100

128 42.7 20.8 62.5

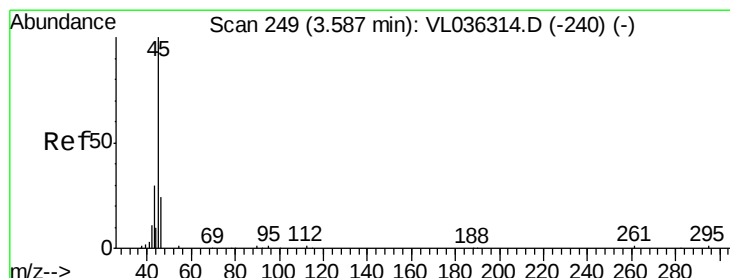
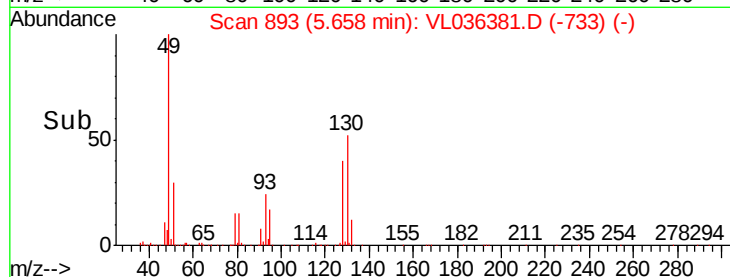
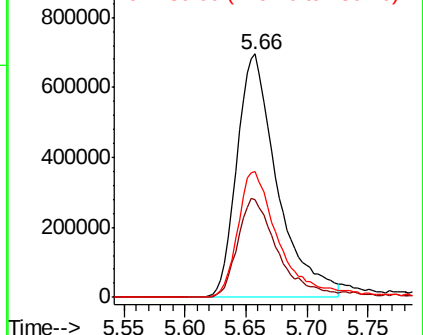
130 53.7 26.7 80.1



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



#13

Ethanol

Concen: 0.042 ppbv

RT: 3.60 min Scan# 252

Delta R.T. 0.01 min

Lab File: VL036381.D

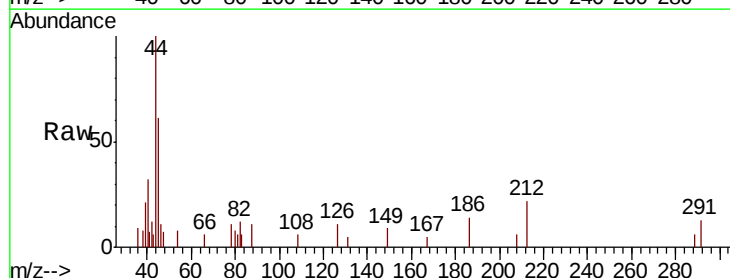
Acq: 25 Feb 2021 14:54

Tgt Ion: 45 Resp: 578

Ion Ratio Lower Upper

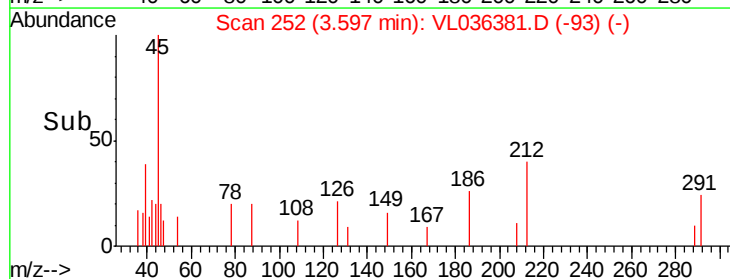
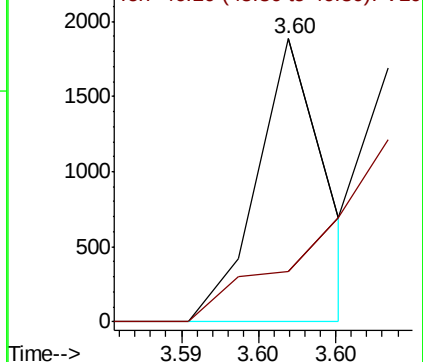
45 100

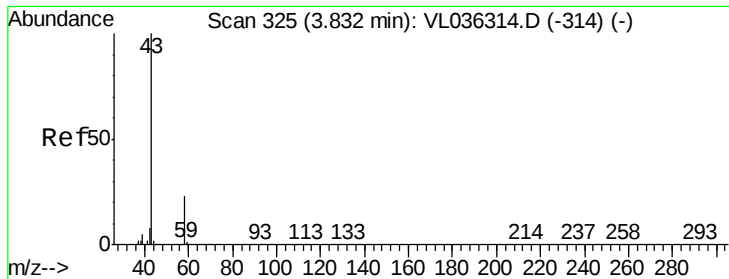
46 0.0 17.7 70.7#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

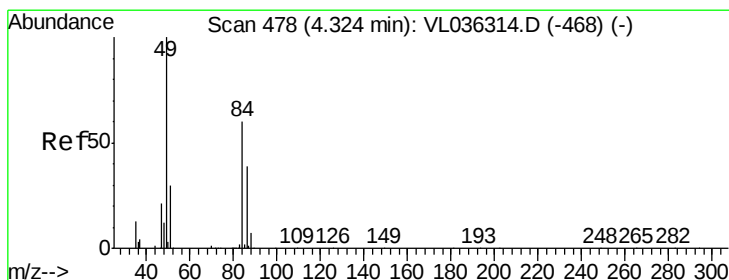
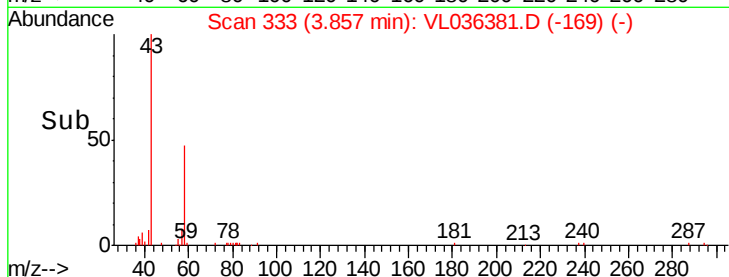
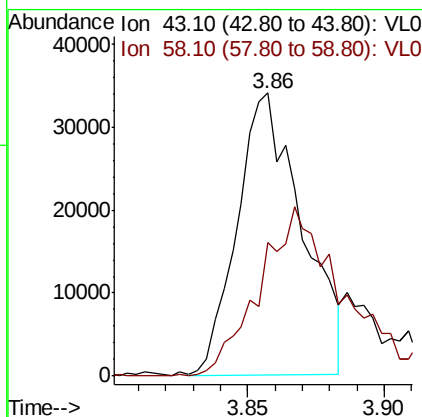
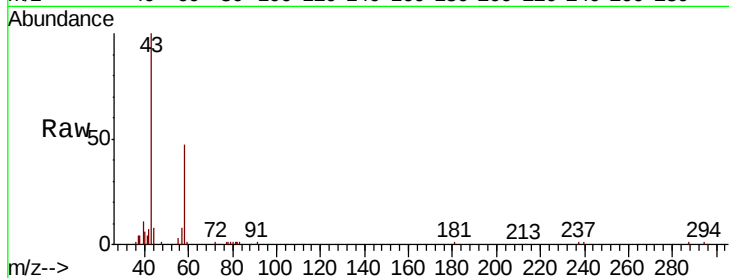




#15
Acetone
Concen: 0.287 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.03 min
Lab File: VL036381.D
Acq: 25 Feb 2021 14:54

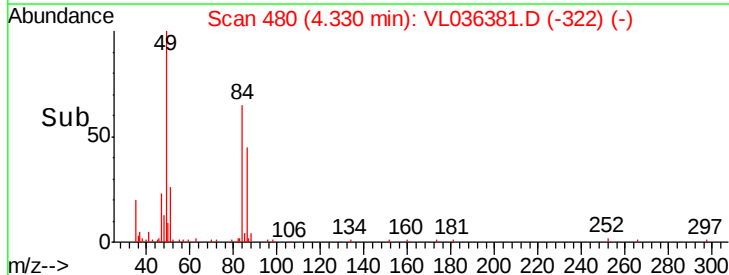
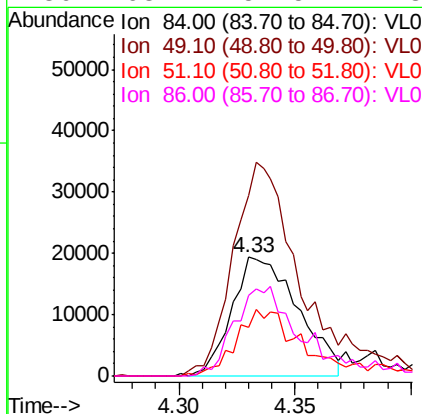
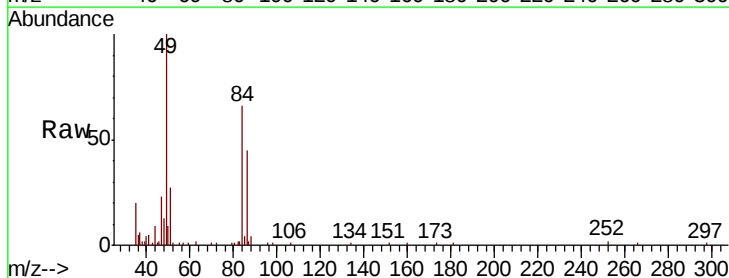
Instrument :
MSVOA_L
ClientSampleId :

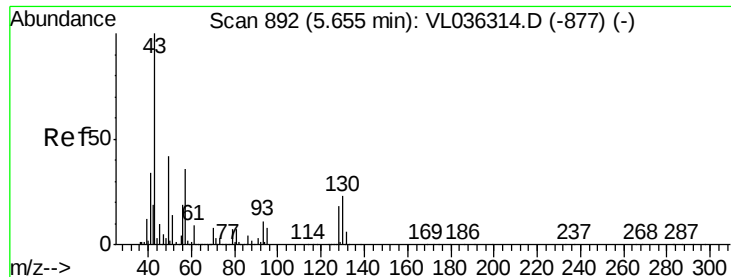
Tot Ion: 43 Resp: 56033
Ion Ratio Lower Upper
43 100
58 88.0 20.3 30.5#



#20
Methylene Chloride
Concen: 0.610 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL036381.D
Acq: 25 Feb 2021 14:54

Tgt Ion: 84 Resp: 38457
Ion Ratio Lower Upper
84 100
49 147.3 133.8 200.8
51 38.5 41.4 62.0#
86 68.1 51.5 77.3

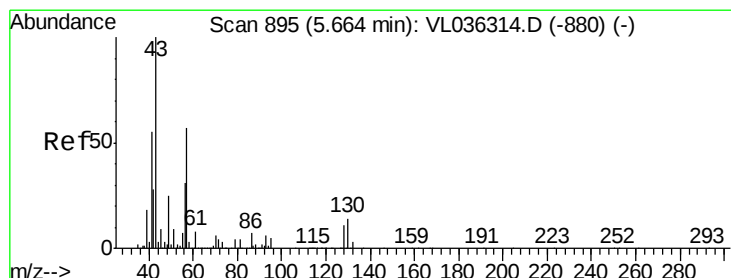
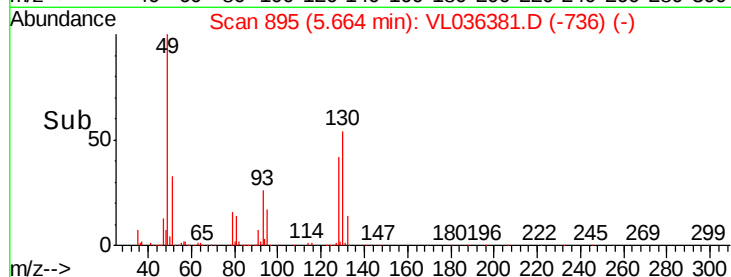
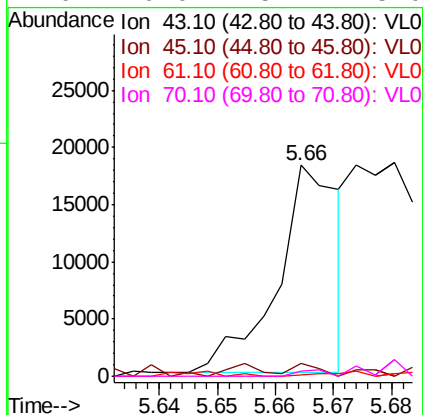
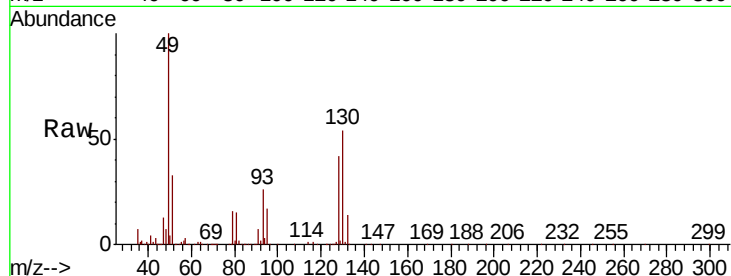




#25
Ethyl Acetate
Concen: 0.036 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL036381.D
Acq: 25 Feb 2021 14:54

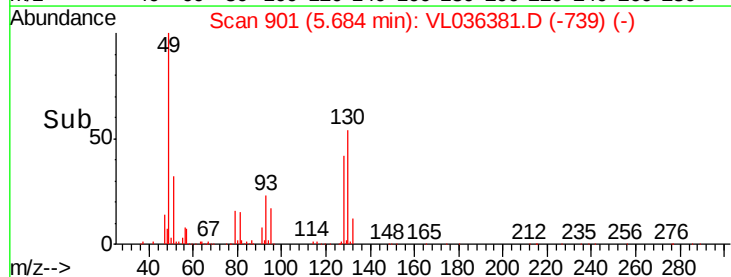
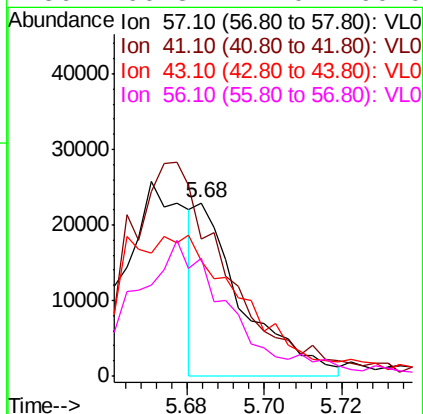
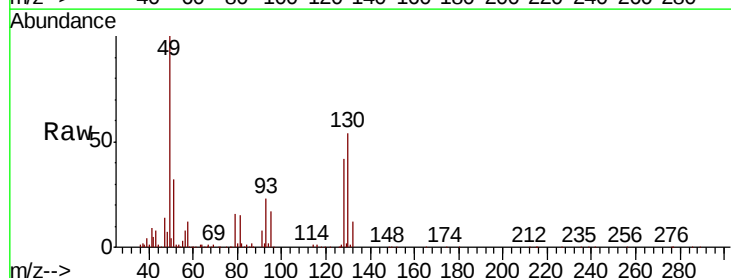
Instrument :
MSVOA_L
ClientSampleId :

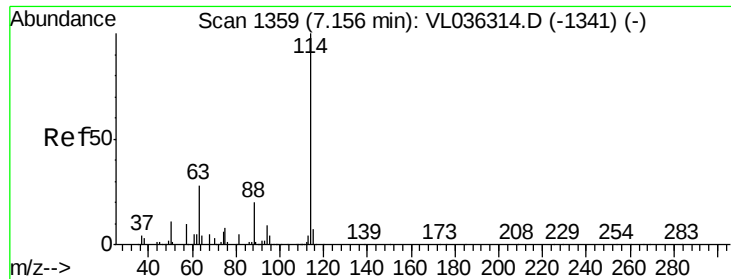
Tot Ion:	43	Resp:	13521
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	0.0	7.3	10.9#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.124 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL036381.D
Acq: 25 Feb 2021 14:54

Tgt Ion:	57	Resp:	19271
Ion	Ratio	Lower	Upper
57	100		
41	291.1	81.7	122.5#
43	234.7	199.1	298.7
56	166.3	44.0	66.0#

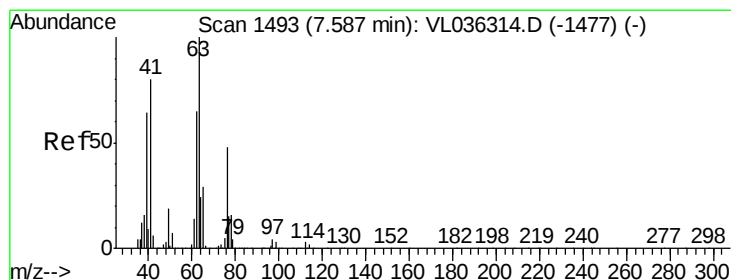
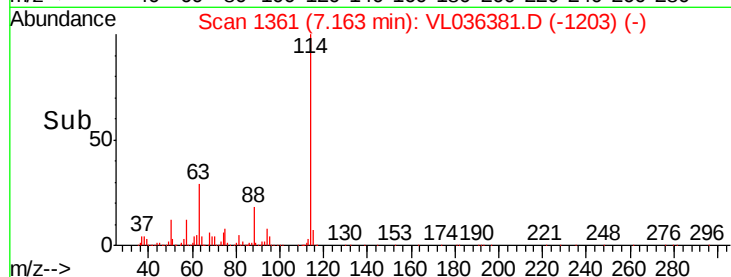
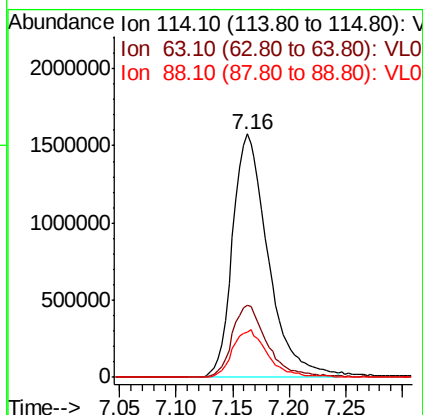
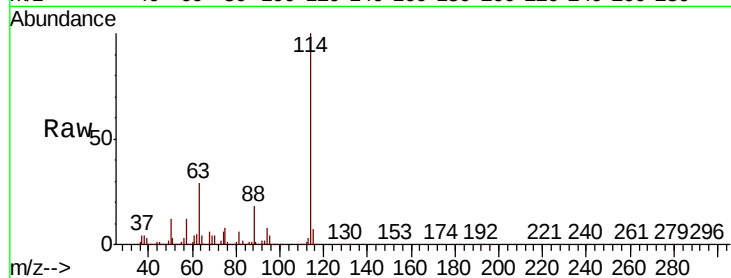




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VL036381.D
 Acq: 25 Feb 2021 14:54

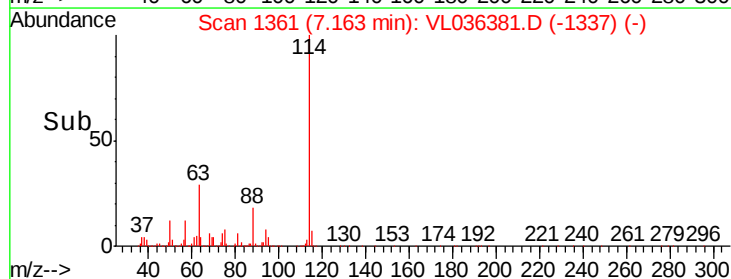
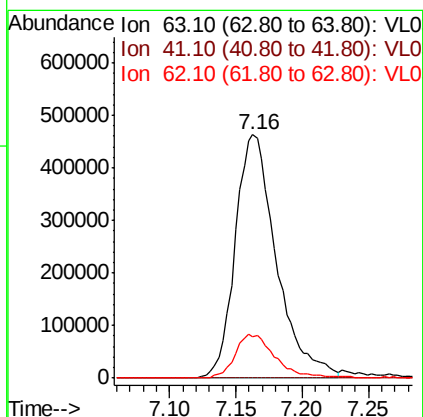
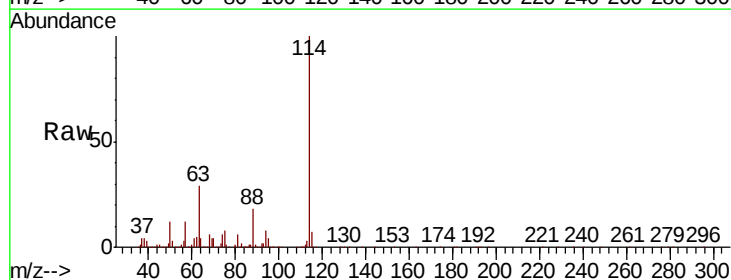
Instrument :
 MSVOA_L
 ClientSampleId :

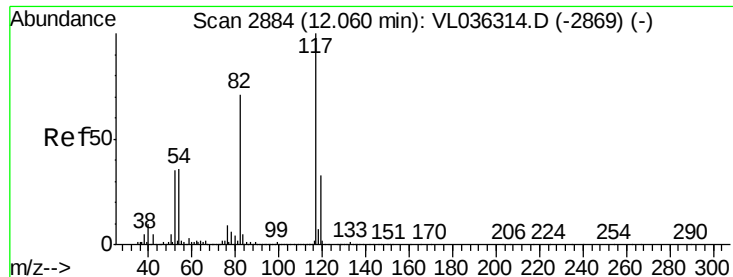
Tot Ion:114 Resp: 3451482
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.1 36.1
 88 19.7 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 8.414 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.42 min
 Lab File: VL036381.D
 Acq: 25 Feb 2021 14:54

Tgt Ion: 63 Resp: 1002061
 Ion Ratio Lower Upper
 63 100
 41 0.2 63.8 95.6#
 62 16.8 52.3 78.5#

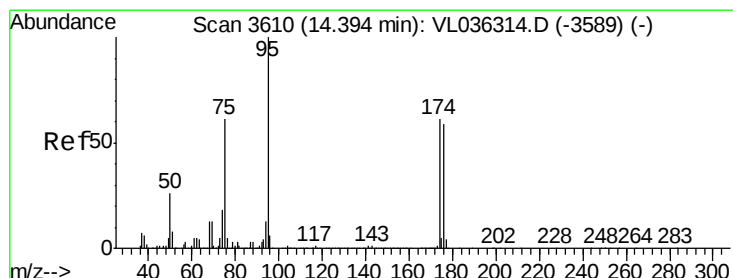
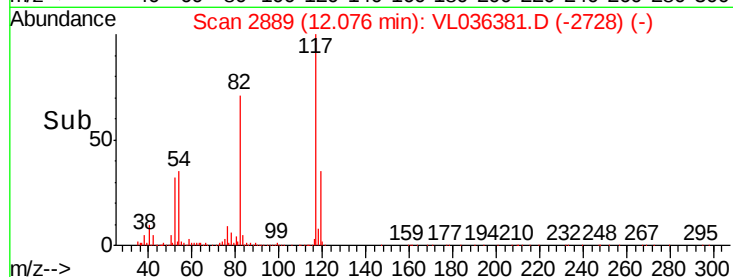
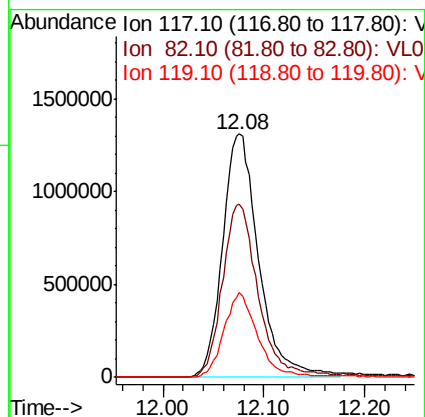
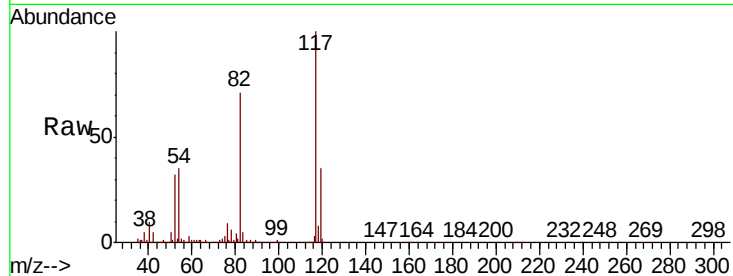




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL036381.D
Acq: 25 Feb 2021 14:54

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3254098
Ion Ratio Lower Upper
117 100
82 73.4 59.1 88.7
119 33.6 46.3 69.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.025 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. 0.01 min
Lab File: VL036381.D
Acq: 25 Feb 2021 14:54

Tgt Ion: 95 Resp: 2683939
Ion Ratio Lower Upper
95 100
174 63.3 49.8 74.6
175 4.4 3.7 5.5

