

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036616.D
 Acq On : 1 Apr 2021 00:41
 Operator : SY/AP
 Sample : M1807-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 04:31:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1612911	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3753280	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.11	117	3252435	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2592063	10.00	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

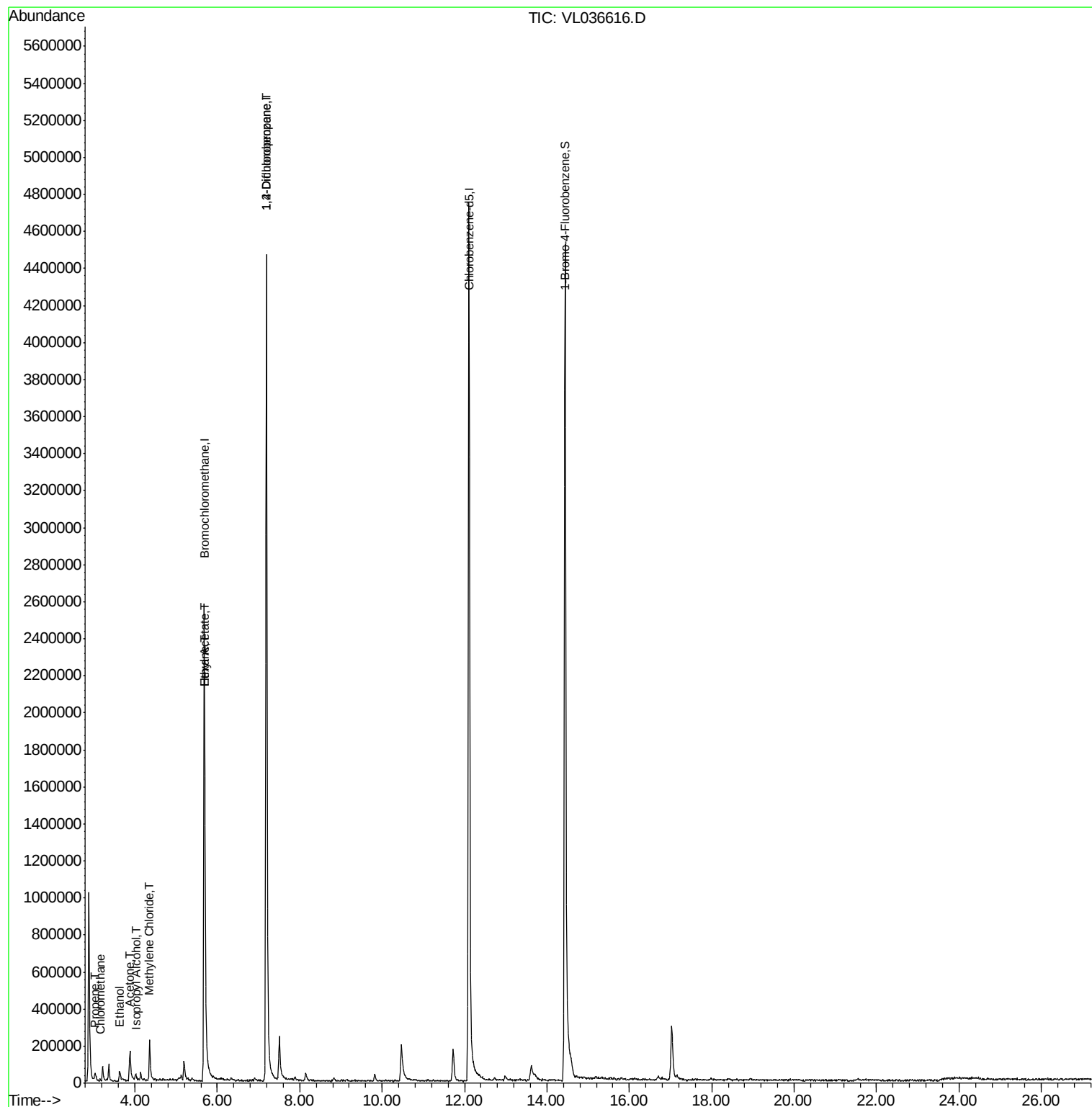
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.14	50	2804	0.026	ppbv	91
9) Propene	3.02	41	5325	0.055	ppbv #	1
13) Ethanol	3.63	45	60431	5.282	ppbv	82
15) Acetone	3.88	43	180375	1.136	ppbv #	86
19) Isopropyl Alcohol	4.01	45	16540	0.189	ppbv #	89
20) Methylene Chloride	4.36	84	75411	1.015	ppbv #	90
25) Ethyl Acetate	5.70	43	56728	0.150	ppbv #	81
26) Hexane	5.70	57	77148	0.440	ppbv #	44
39) 1,2-Dichloropropane	7.19	63	1003416	7.146	ppbv #	23

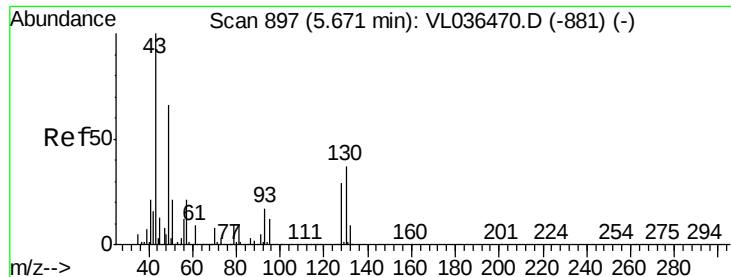
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL036616.D

Acq: 1 Apr 2021 00:41

Instrument :

MSVOA_L

ClientSampleId :

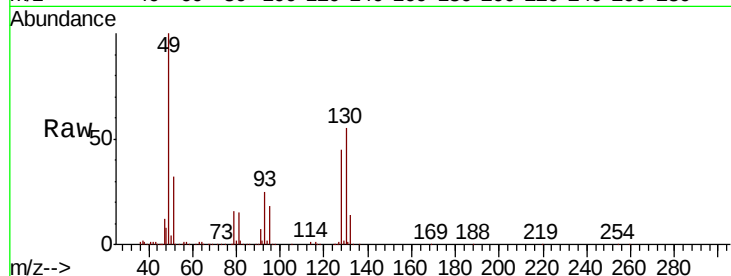
Tot Ion: 49 Resp: 1612911

Ion Ratio Lower Upper

49 100

128 44.3 23.5 70.6

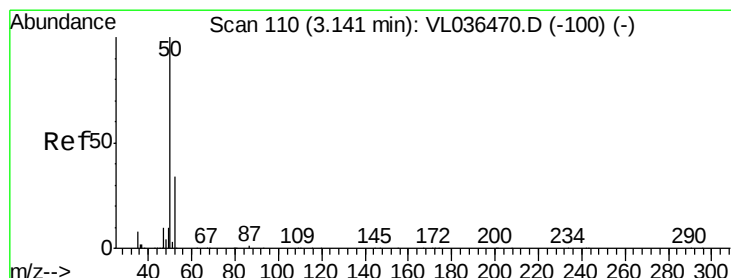
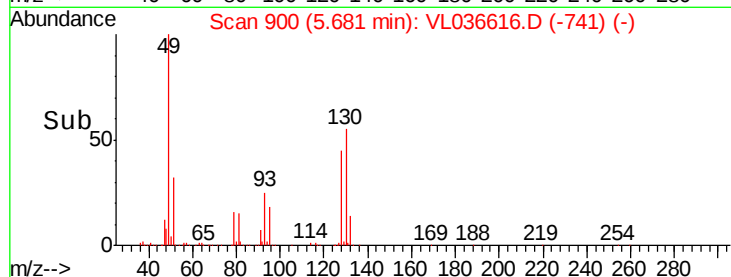
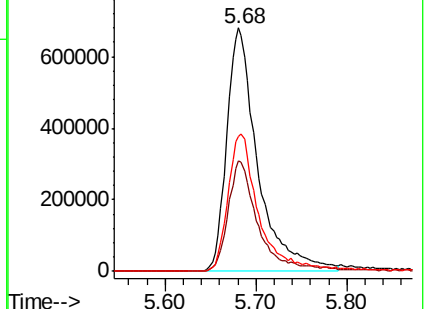
130 56.4 29.1 87.4



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: 0.026 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036616.D

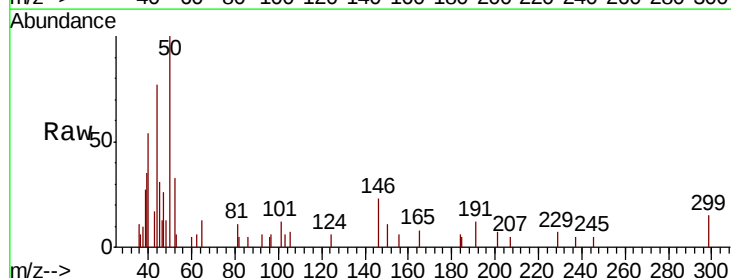
Acq: 1 Apr 2021 00:41

Tgt Ion: 50 Resp: 2804

Ion Ratio Lower Upper

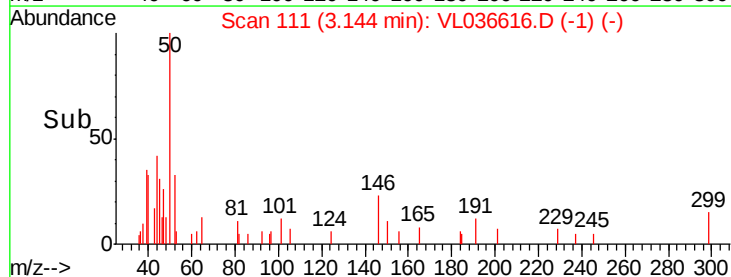
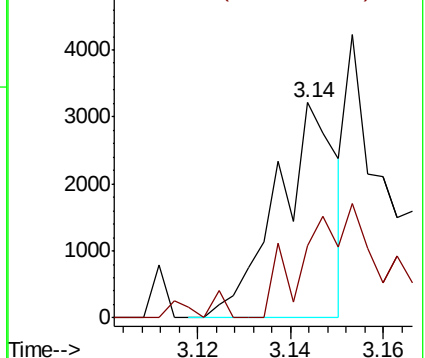
50 100

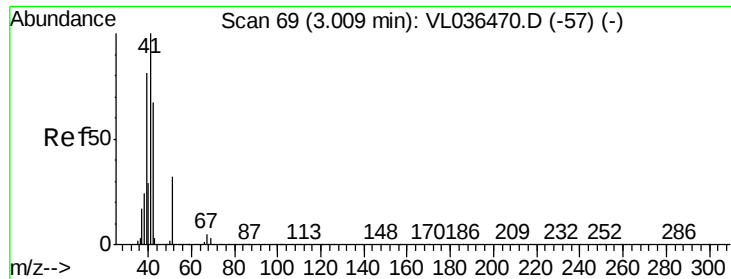
52 28.5 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

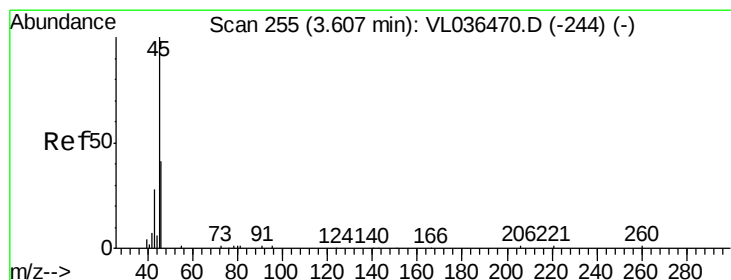
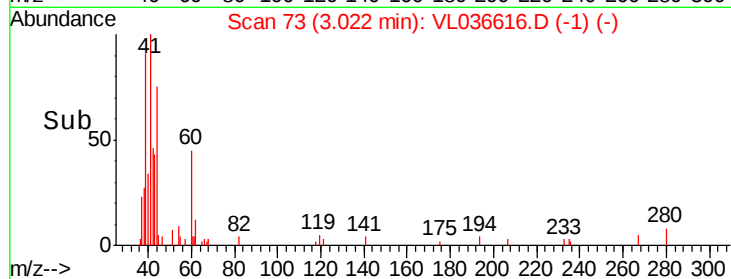
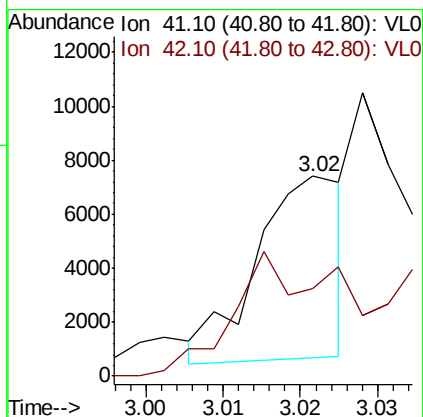
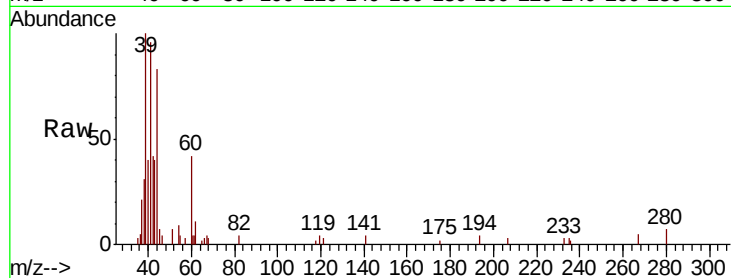




#9
 Propene
 Concen: 0.055 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: VL036616.D
 Acq: 1 Apr 2021 00:41

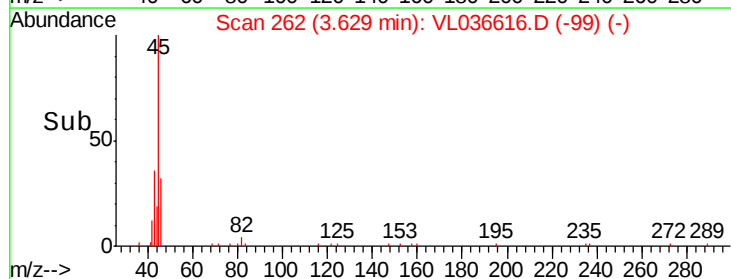
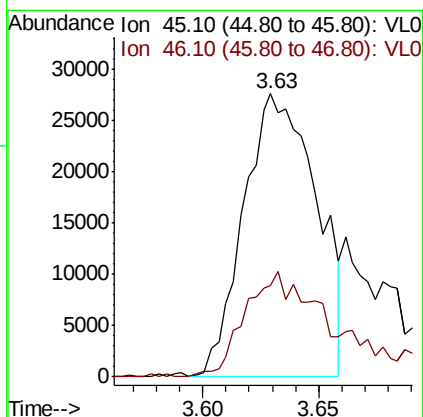
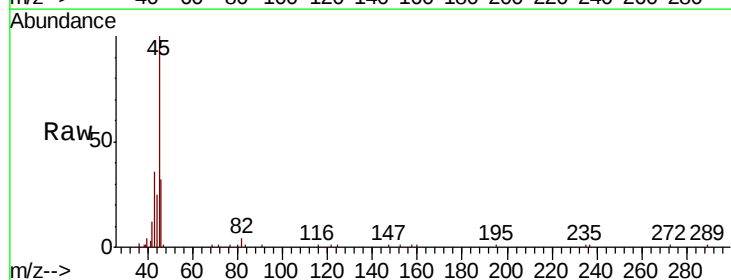
Instrument :
 MSVOA_L
 ClientSampleId :

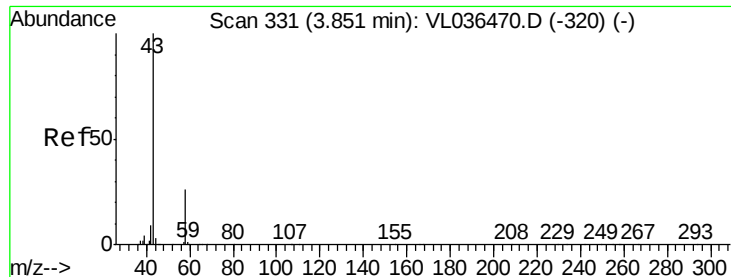
Tot Ion: 41 Resp: 5325
 Ion Ratio Lower Upper
 41 100
 42 165.4 57.0 85.4#



#13
 Ethanol
 Concen: 5.282 ppbv
 RT: 3.63 min Scan# 262
 Delta R.T. 0.02 min
 Lab File: VL036616.D
 Acq: 1 Apr 2021 00:41

Tgt Ion: 45 Resp: 60431
 Ion Ratio Lower Upper
 45 100
 46 52.4 16.6 66.2





#15

Acetone

Concen: 1.136 ppbv

RT: 3.88 min Scan# 339

Delta R.T. 0.03 min

Lab File: VL036616.D

Acq: 1 Apr 2021 00:41

Instrument :

MSVOA_L

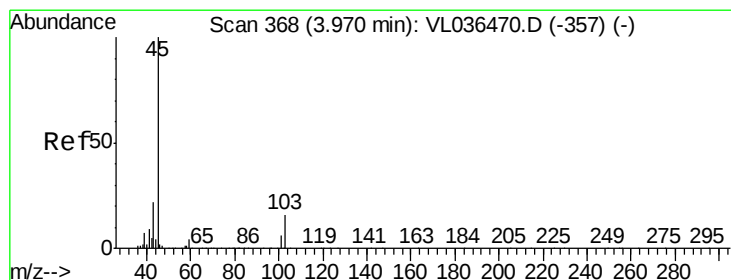
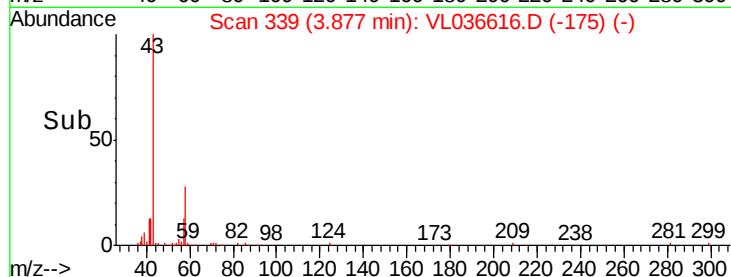
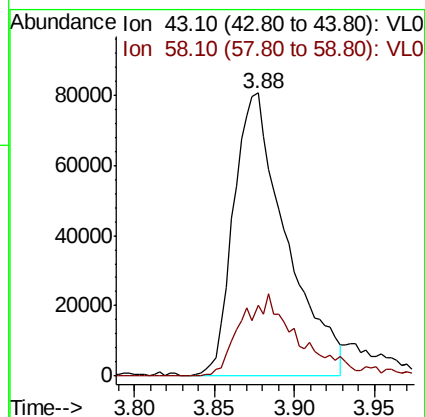
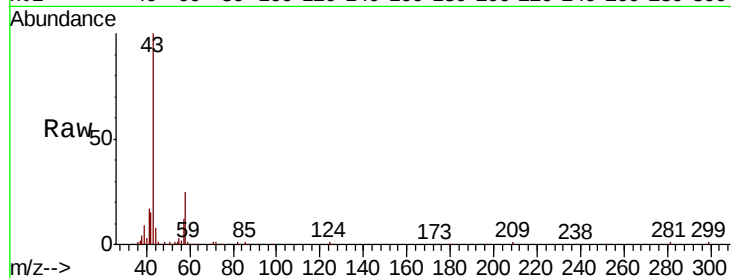
ClientSampleId :

Tot Ion: 43 Resp: 180375

Ion Ratio Lower Upper

43 100

58 33.9 21.2 31.8#



#19

Isopropyl Alcohol

Concen: 0.189 ppbv

RT: 4.01 min Scan# 381

Delta R.T. 0.04 min

Lab File: VL036616.D

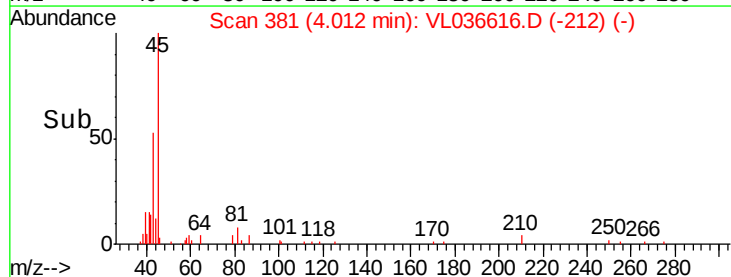
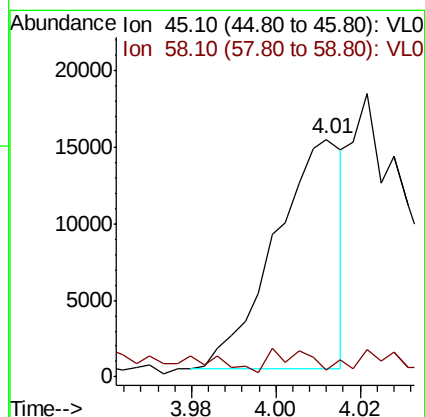
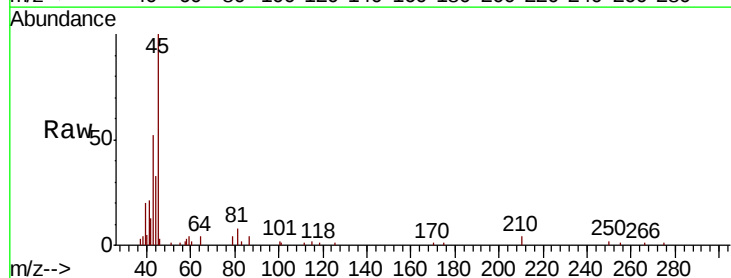
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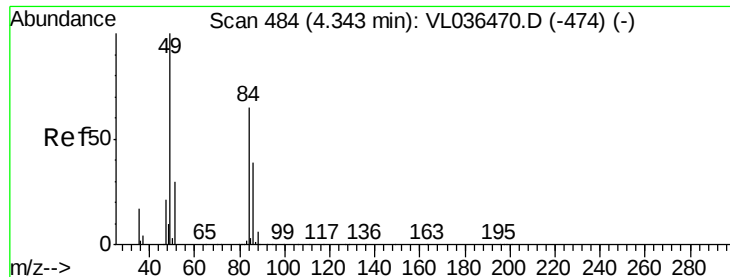
Tgt Ion: 45 Resp: 16540

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#

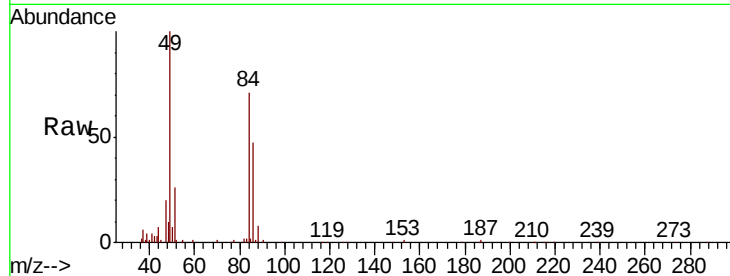




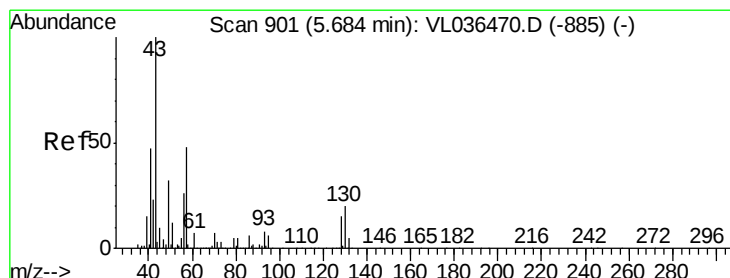
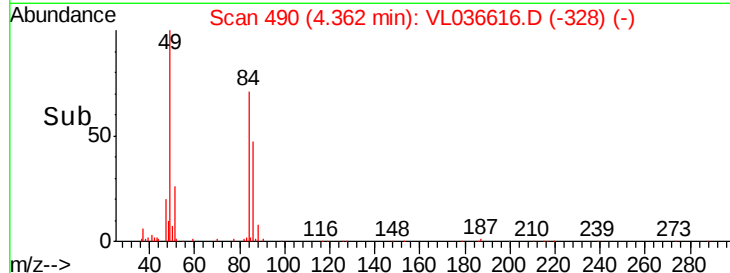
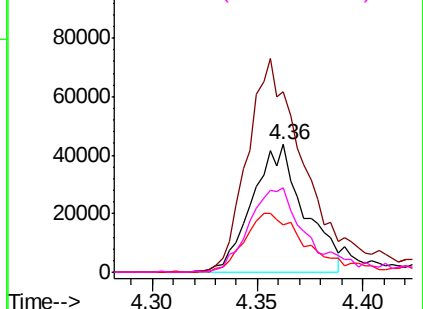
#20
Methvlene Chloride
Concen: 1.015 ppbv
RT: 4.36 min Scan# 490
Delta R.T. 0.02 min
Lab File: VL036616.D
Acq: 1 Apr 2021 00:41

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 75411
Ion Ratio Lower Upper
84 100
49 141.2 122.9 184.3
51 36.5 36.9 55.3#
86 66.0 48.2 72.4

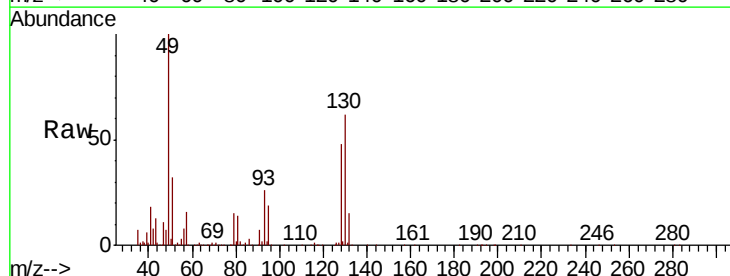


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

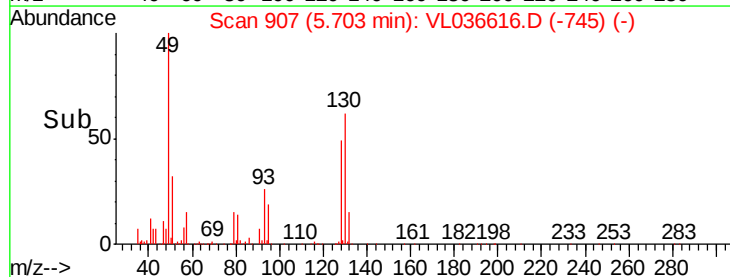
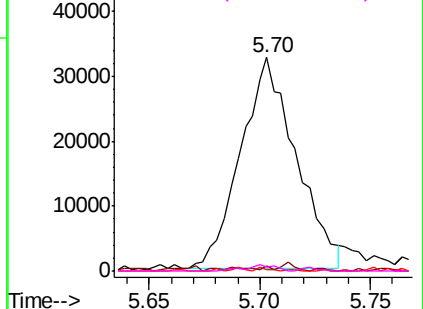


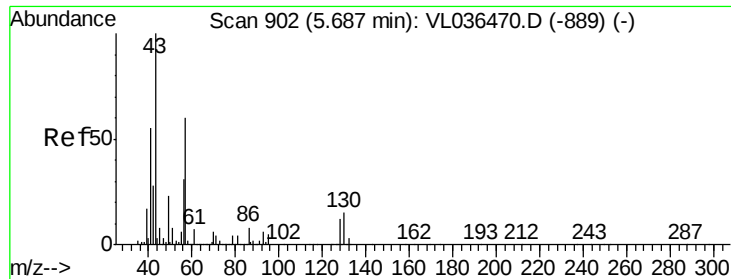
#25
Ethyl Acetate
Concen: 0.150 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036616.D
Acq: 1 Apr 2021 00:41

Tgt Ion: 43 Resp: 56728
Ion Ratio Lower Upper
43 100
45 2.5 7.9 11.9#
61 0.9 7.4 11.2#
70 2.1 5.1 7.7#



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

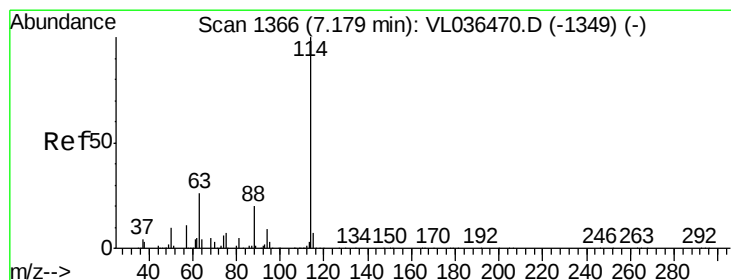
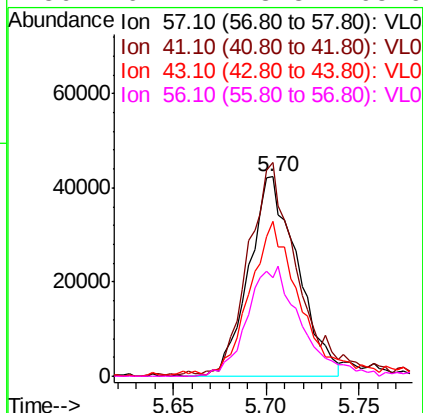
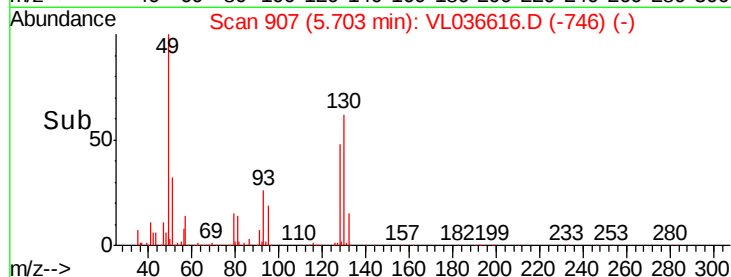
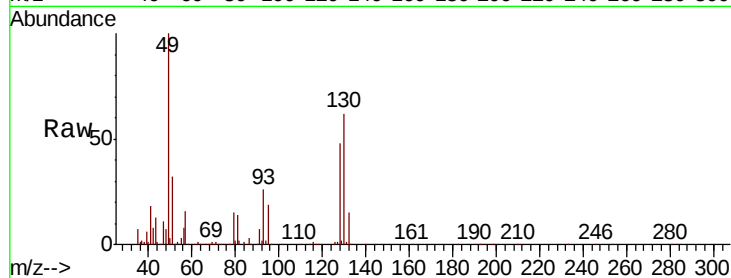




#26
Hexane
Concen: 0.440 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036616.D
Acq: 1 Apr 2021 00:41

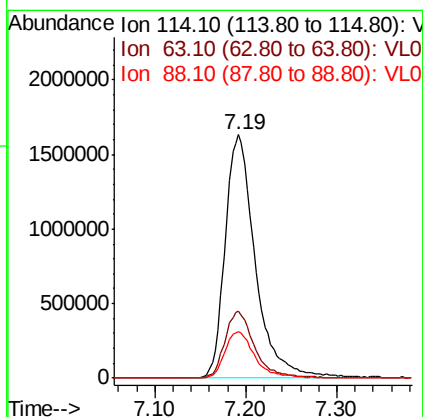
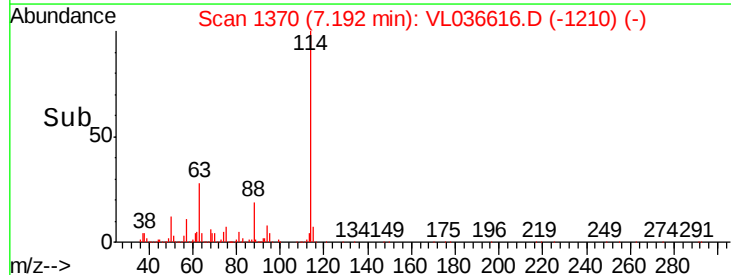
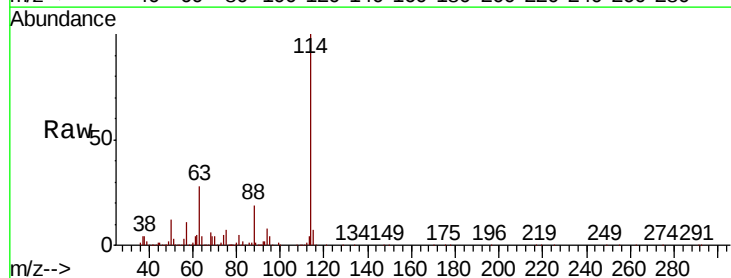
Instrument :
MSVOA_L
ClientSampleId :

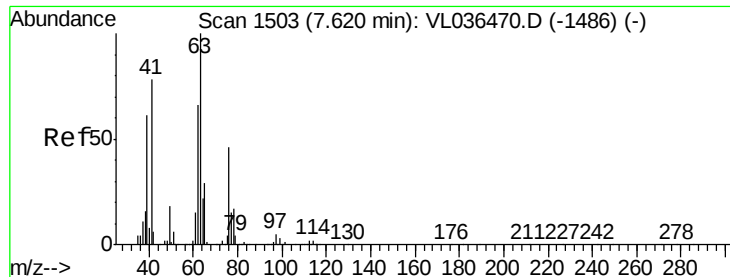
Tot Ion: 57 Resp: 77148
Ion Ratio Lower Upper
57 100
41 114.9 77.2 115.8
43 83.6 173.8 260.6#
56 61.1 43.8 65.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VL036616.D
Acq: 1 Apr 2021 00:41

Tgt Ion:114 Resp: 3753280
Ion Ratio Lower Upper
114 100
63 27.4 22.4 33.6
88 19.2 15.4 23.0

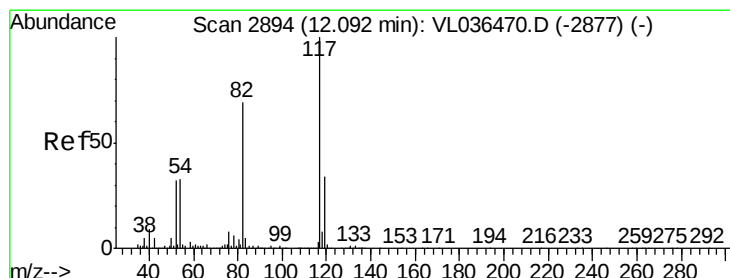
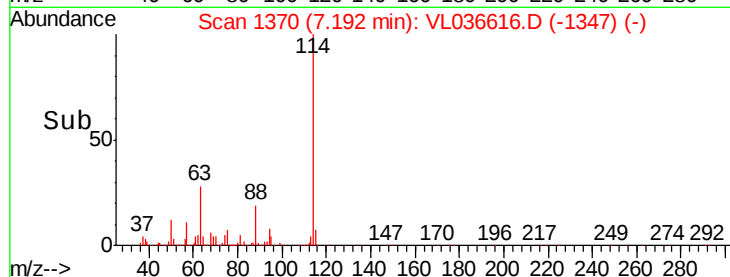
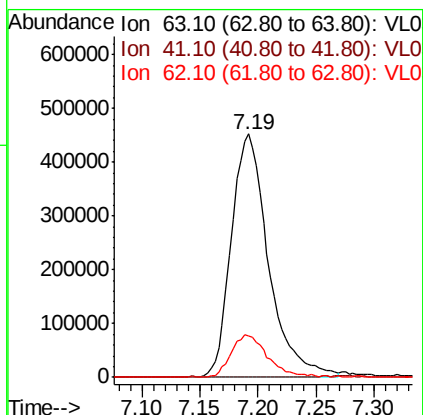
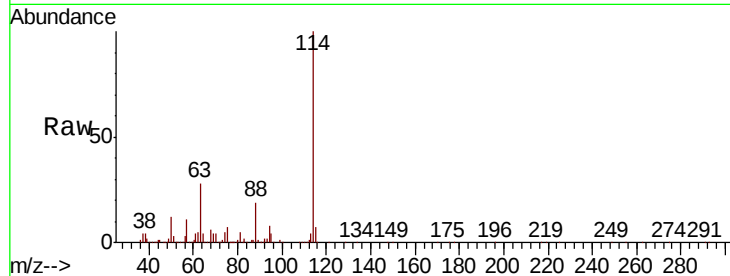




#39
 1,2-Dichloropropane
 Concen: 7.146 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.43 min
 Lab File: VL036616.D
 Acq: 1 Apr 2021 00:41

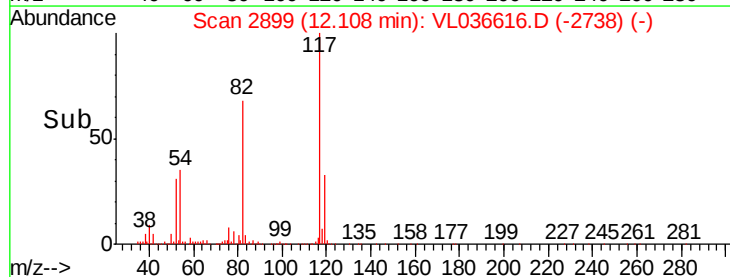
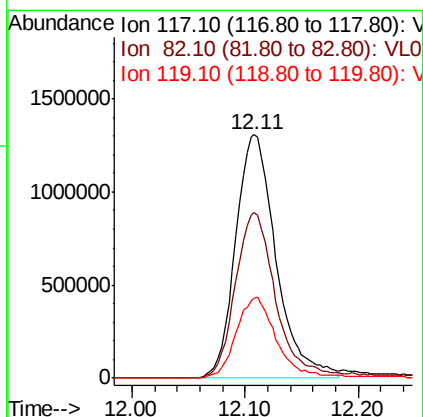
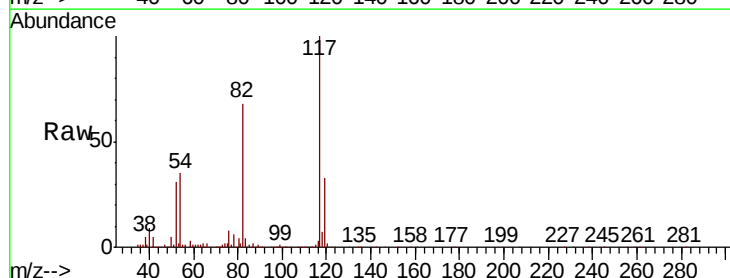
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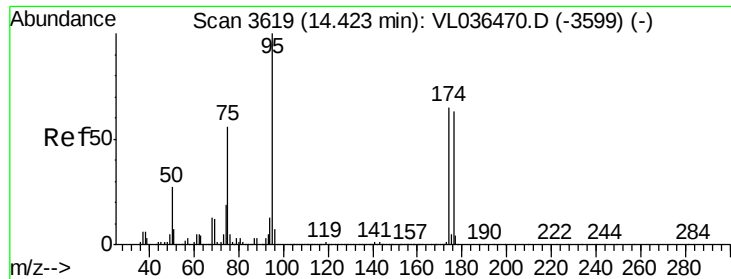
Tot Ion: 63 Resp: 1003416
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 17.1 52.8 79.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. 0.02 min
 Lab File: VL036616.D
 Acq: 1 Apr 2021 00:41

Tgt Ion: 117 Resp: 3252435
 Ion Ratio Lower Upper
 117 100
 82 70.6 57.4 86.0
 119 33.7 47.4 71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.999 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. 0.02 min

Lab File: VL036616.D

Acq: 1 Apr 2021 00:41

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2592063

Ion Ratio Lower Upper

95 100

174 65.9 51.0 76.6

175 4.8 3.9 5.9

