

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036345.D
 Acq On : 24 Feb 2021 11:15
 Operator : SY/AP
 Sample : VL0224ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABL01

Quant Time: Feb 25 05:16:24 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	1680608	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3764129	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	3402081	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2695932	9.63	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

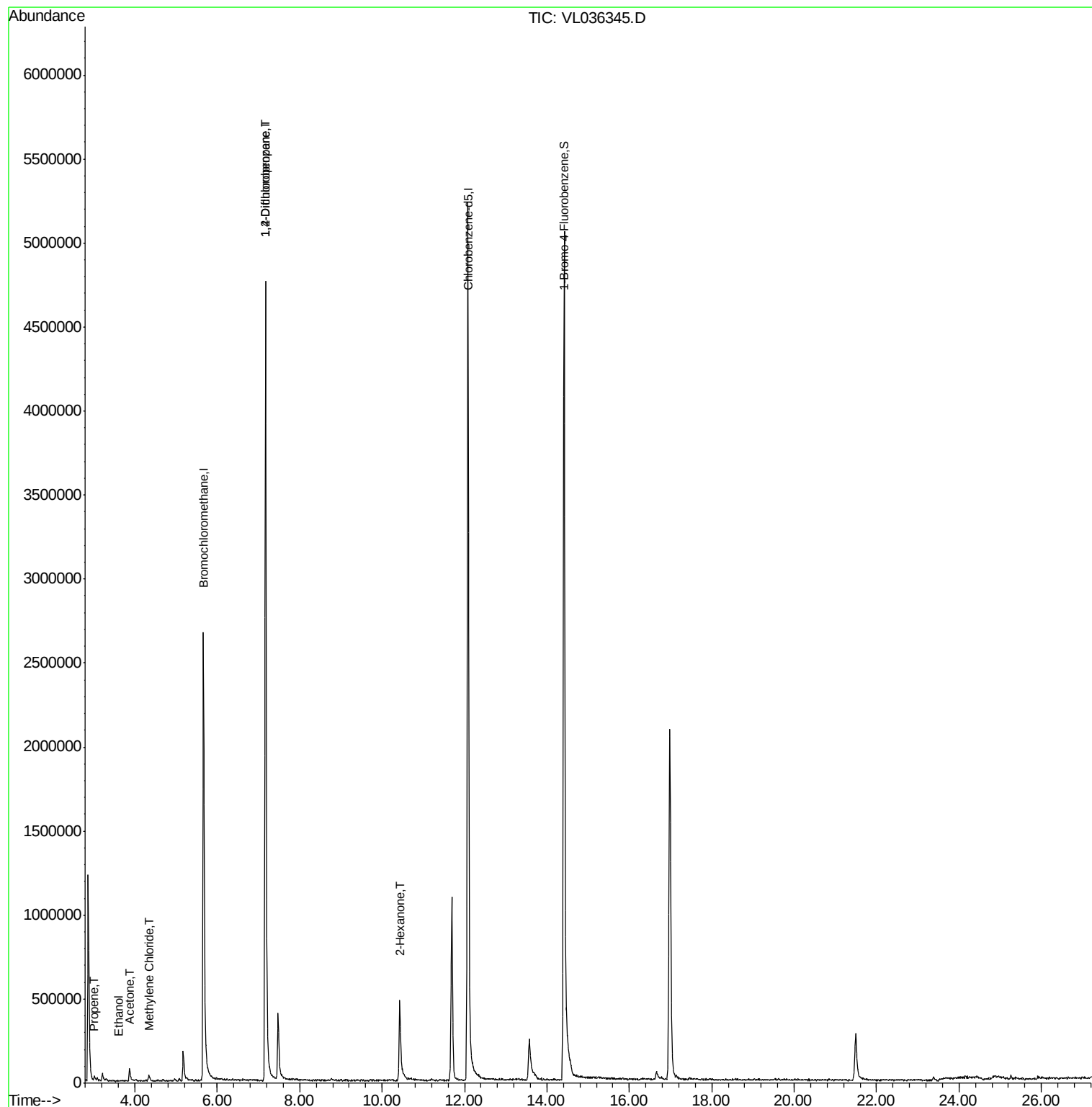
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3259	0.042	ppbv #	15
13) Ethanol	3.61	45	626	0.043	ppbv #	32
15) Acetone	3.87	43	69122	0.336	ppbv #	4
20) Methylene Chloride	4.35	84	9359	0.141	ppbv	97
39) 1,2-Dichloropropane	7.17	63	1082264	8.332	ppbv #	23
51) 2-Hexanone	10.44	43	88761	0.315	ppbv #	60

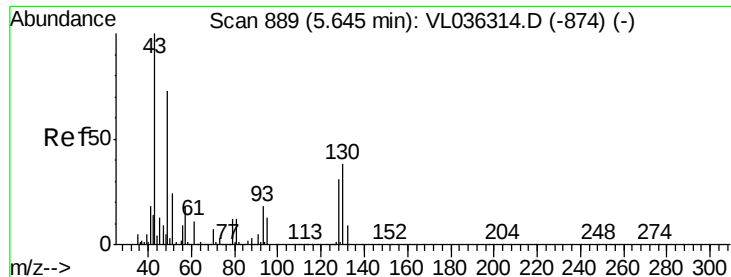
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL036345.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0224ABL01

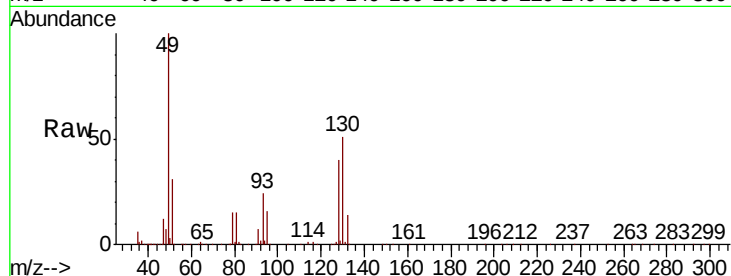
Tot Ion: 49 Resp: 1680608

Ion Ratio Lower Upper

49 100

128 42.9 20.8 62.5

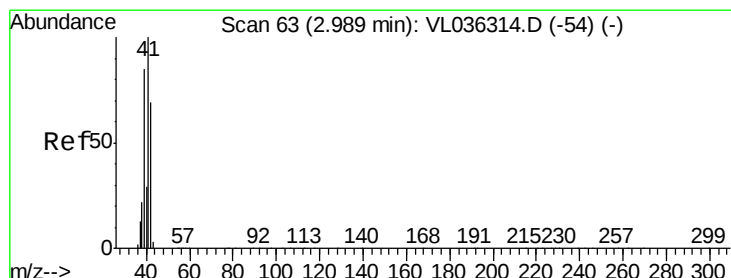
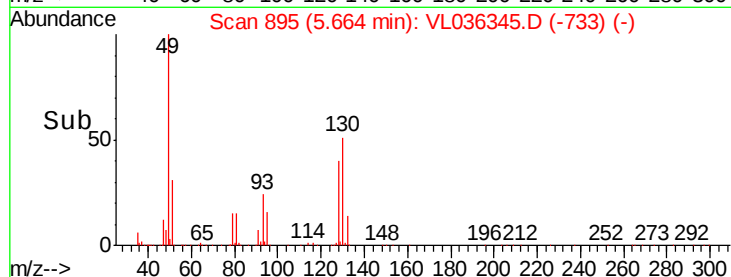
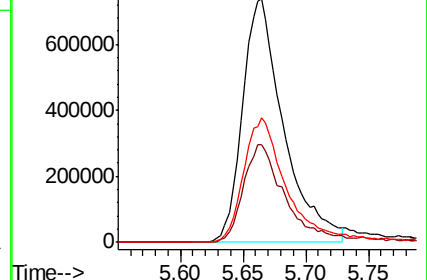
130 55.8 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.042 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL036345.D

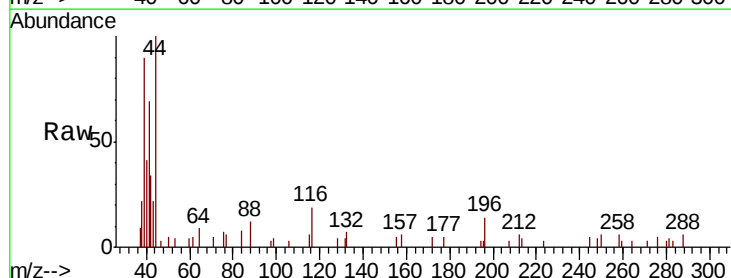
Acq: 24 Feb 2021 11:15

Tgt Ion: 41 Resp: 3259

Ion Ratio Lower Upper

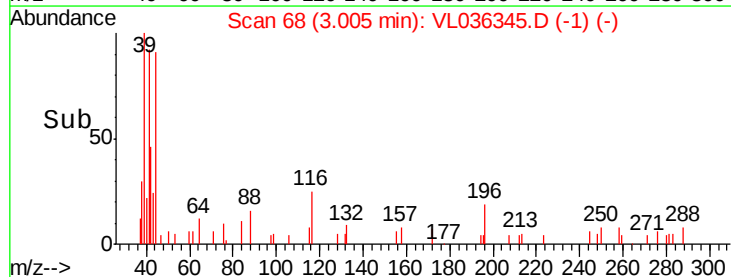
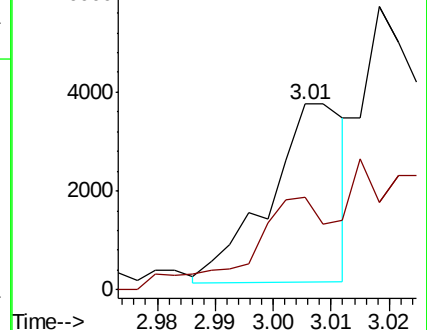
41 100

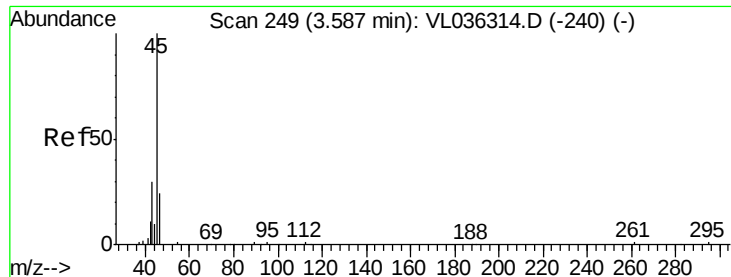
42 0.0 56.2 84.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

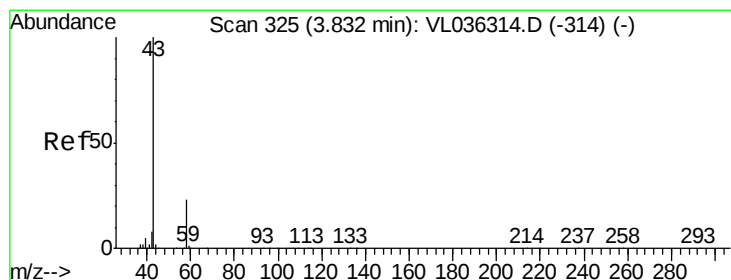
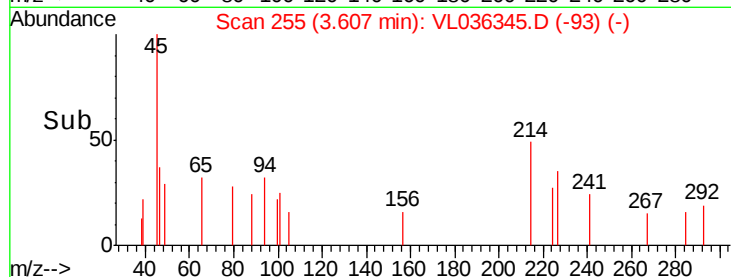
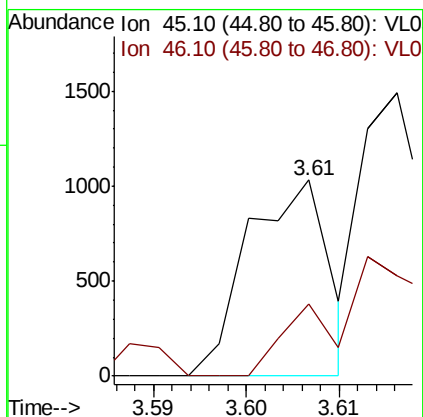
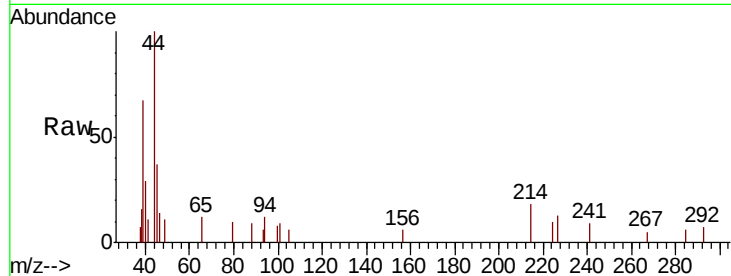




#13
Ethanol
Concen: 0.043 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.02 min
Lab File: VL036345.D
Acq: 24 Feb 2021 11:15

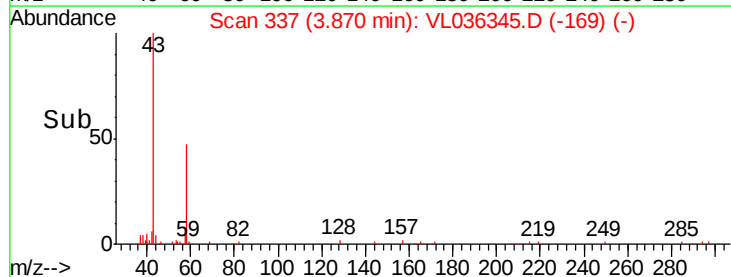
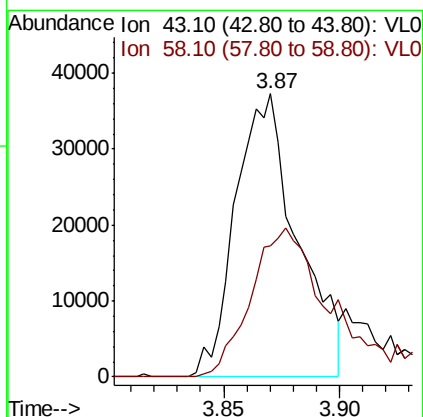
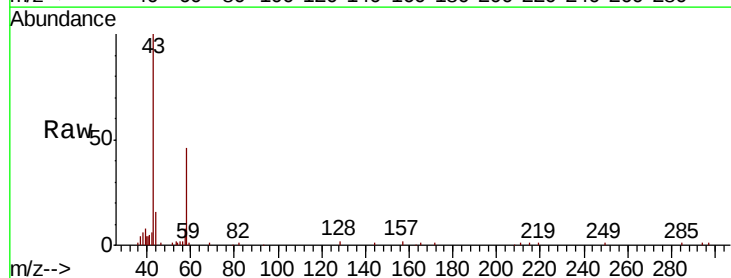
Instrument :
MSVOA_L
ClientSampleId :
VL0224ABL01

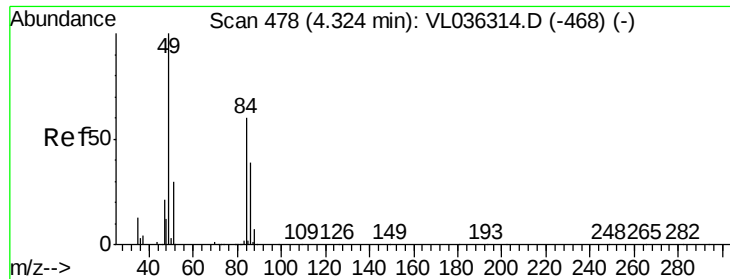
Tot Ion: 45 Resp: 626
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#



#15
Acetone
Concen: 0.336 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.04 min
Lab File: VL036345.D
Acq: 24 Feb 2021 11:15

Tgt Ion: 43 Resp: 69122
Ion Ratio Lower Upper
43 100
58 73.7 20.3 30.5#

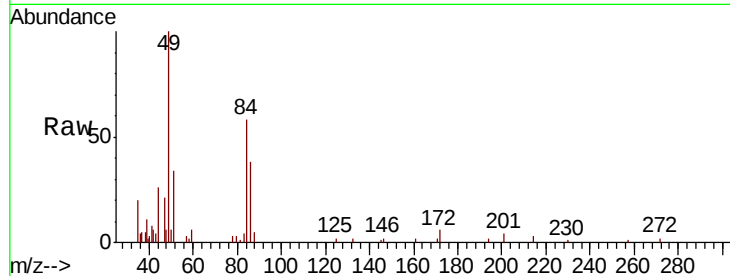




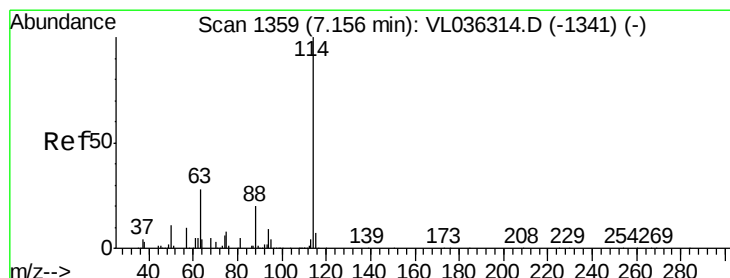
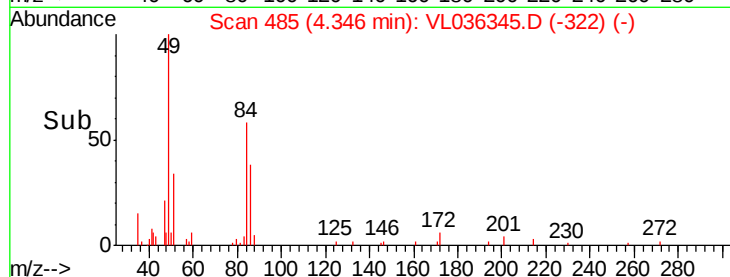
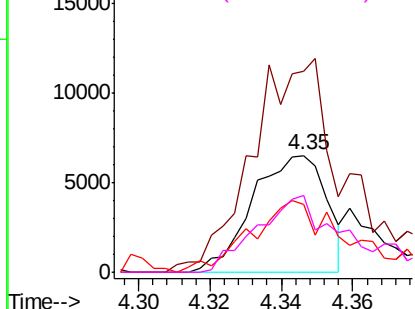
#20
Methylene Chloride
Concen: 0.141 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL036345.D
Acq: 24 Feb 2021 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0224ABL01

Tot Ion:	84	Resp:	9359
Ion	Ratio	Lower	Upper
84	100		
49	163.3	133.8	200.8
51	53.1	41.4	62.0
86	66.2	51.5	77.3

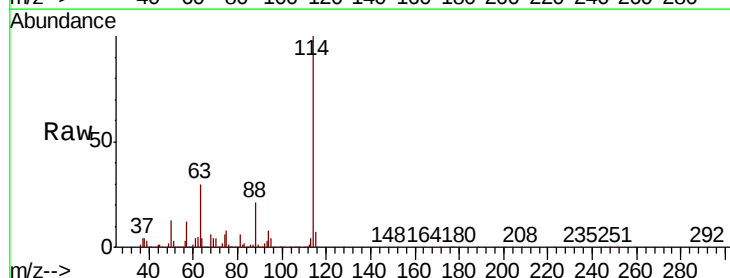


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

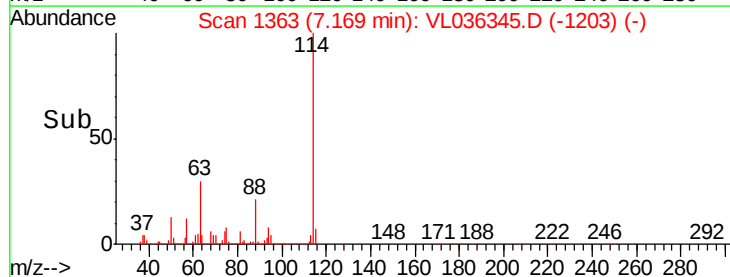
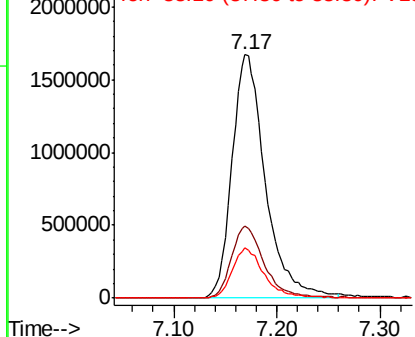


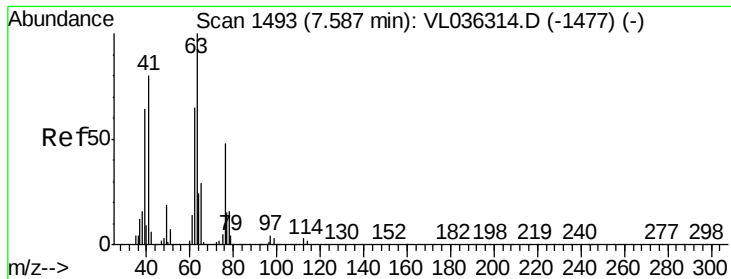
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VL036345.D
Acq: 24 Feb 2021 11:15

Tgt Ion:	114	Resp:	3764129
Ion	Ratio	Lower	Upper
114	100		
63	29.5	24.1	36.1
88	20.1	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

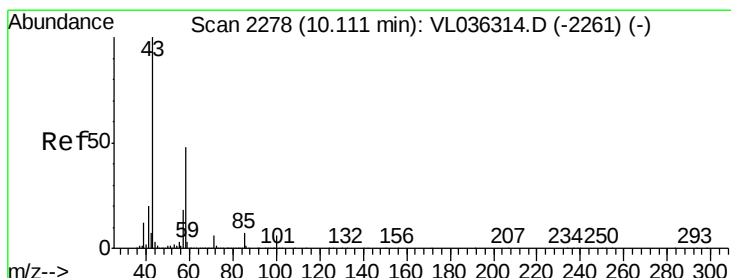
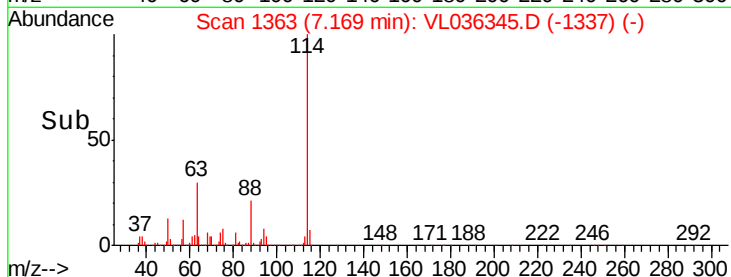
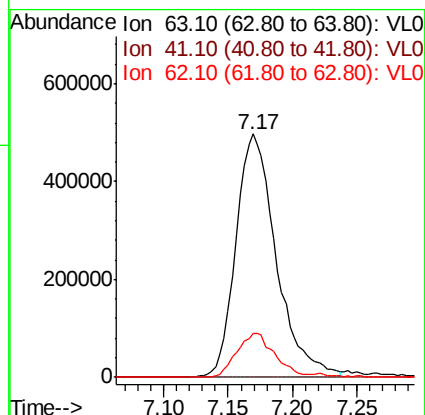
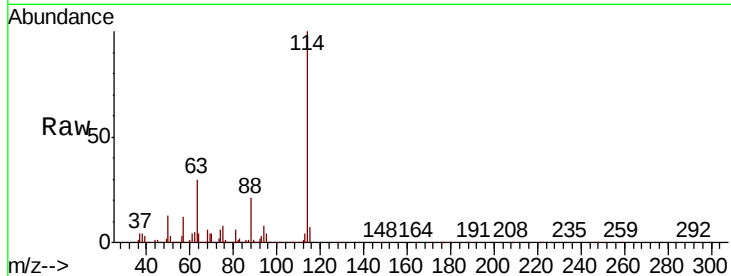




#39
 1,2-Dichloropropane
 Concen: 8.332 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.42 min
 Lab File: VL036345.D
 Acq: 24 Feb 2021 11:15

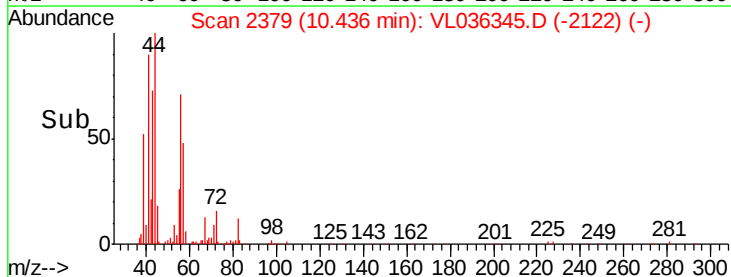
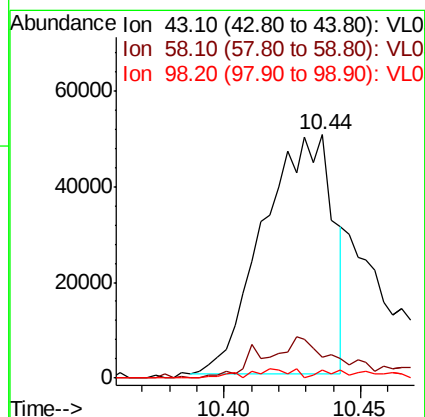
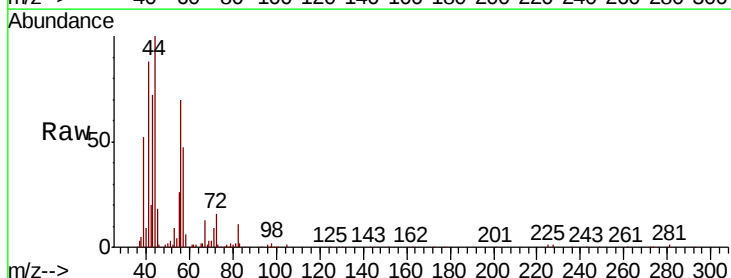
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABL01

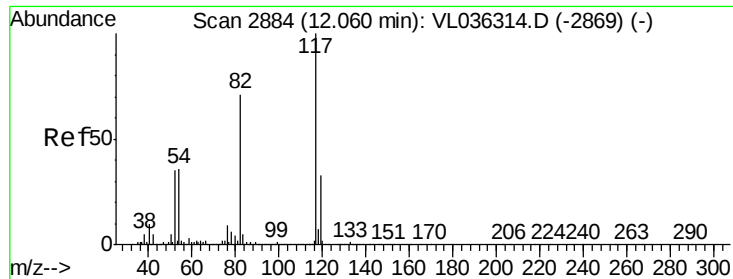
Tot Ion: 63 Resp: 1082264
 Ion Ratio Lower Upper
 63 100
 41 0.1 63.8 95.6#
 62 18.1 52.3 78.5#



#51
 2-Hexanone
 Concen: 0.315 ppbv
 RT: 10.44 min Scan# 2379
 Delta R.T. 0.32 min
 Lab File: VL036345.D
 Acq: 24 Feb 2021 11:15

Tgt Ion: 43 Resp: 88761
 Ion Ratio Lower Upper
 43 100
 58 21.4 38.7 58.1#
 98 3.5 0.4 0.6#

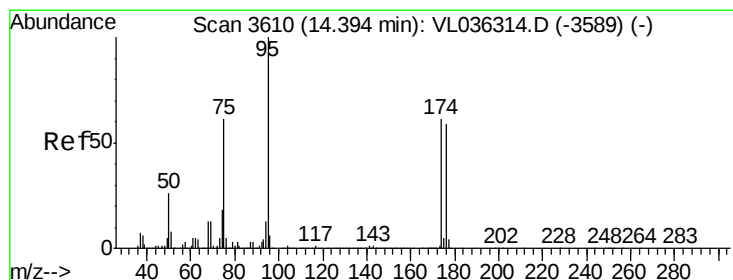
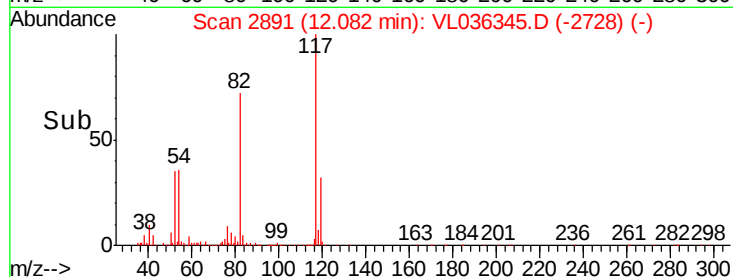
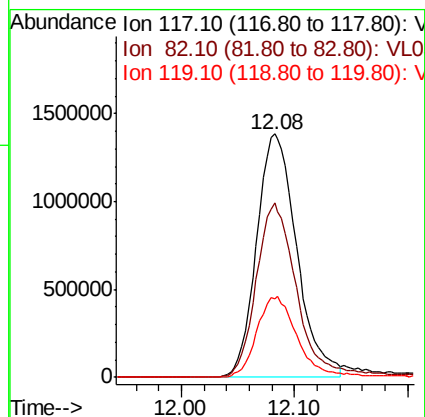
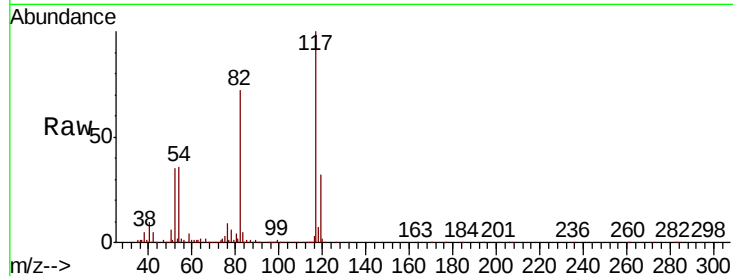




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.02 min
Lab File: VL036345.D
Acq: 24 Feb 2021 11:15

Instrument :
MSVOA_L
ClientSampleId :
VL0224ABL01

Tot Ion:117 Resp: 3402081
Ion Ratio Lower Upper
117 100
82 73.8 59.1 88.7
119 34.6 46.3 69.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.631 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.02 min
Lab File: VL036345.D
Acq: 24 Feb 2021 11:15

Tgt Ion: 95 Resp: 2695932
Ion Ratio Lower Upper
95 100
174 67.2 49.8 74.6
175 4.8 3.7 5.5

