

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037115.D
 Acq On : 3 Jun 2021 00:12
 Operator : SY/AP
 Sample : M2548-14DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 03 03:23:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1338654	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4104557	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3632885	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2673718	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

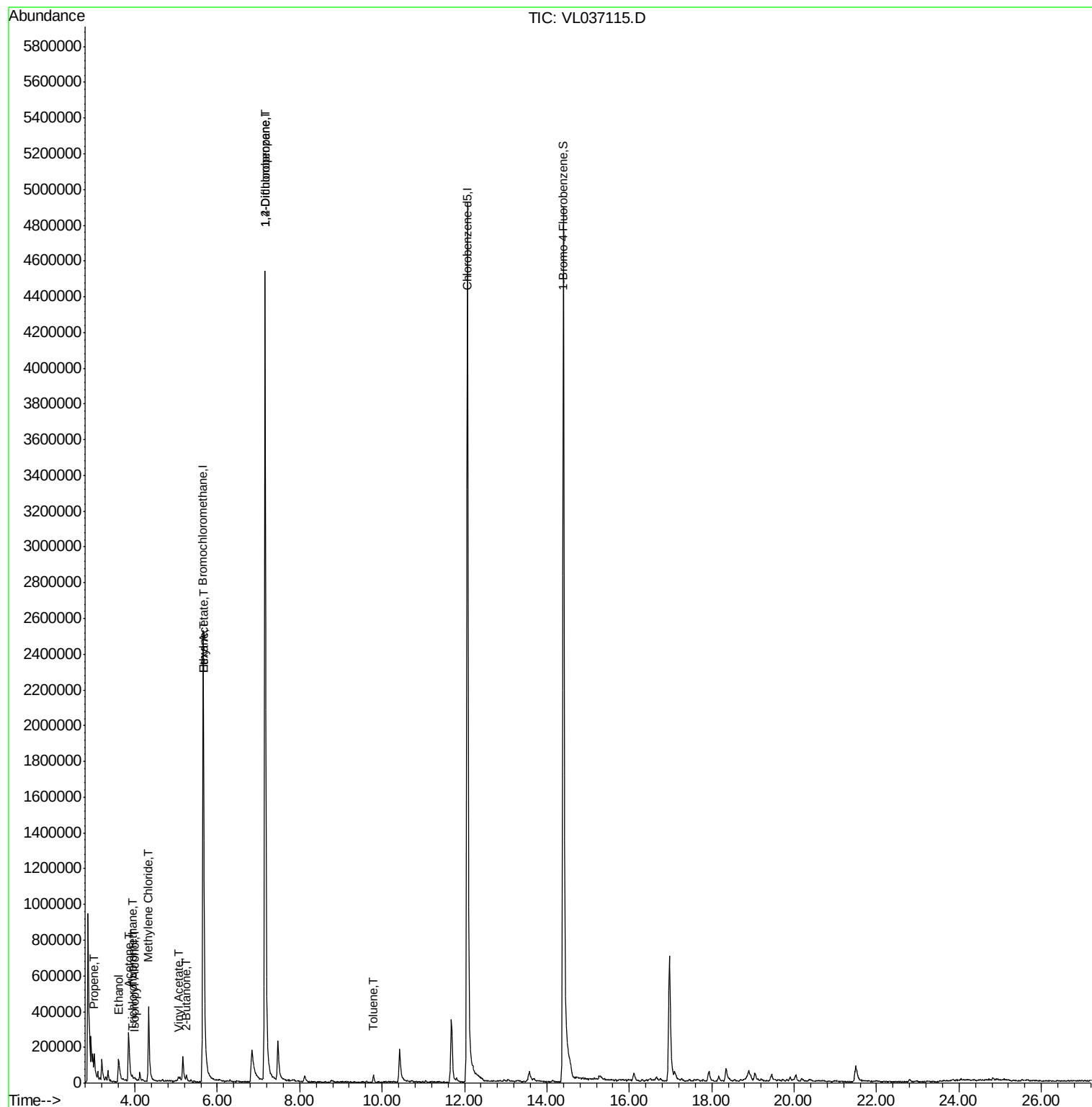
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	17743	0.202	ppbv	87
11) Trichlorofluoromethane	3.94	101	11883	0.057	ppbv	93
13) Ethanol	3.61	45	205690	17.555	ppbv	96
15) Acetone	3.84	43	381210	2.780	ppbv	90
19) Isopropyl Alcohol	3.99	45	9910	0.134	ppbv #	30
20) Methylene Chloride	4.33	84	173707	2.363	ppbv	98
23) Vinyl Acetate	5.06	43	22852	0.105	ppbv #	82
25) Ethyl Acetate	5.67	43	85450	0.259	ppbv #	80
26) Hexane	5.67	57	116251	0.691	ppbv #	46
34) 2-Butanone	5.24	43	19972	0.134	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	973018	7.144	ppbv #	25
53) Toluene	9.79	91	19967	0.047	ppbv #	74

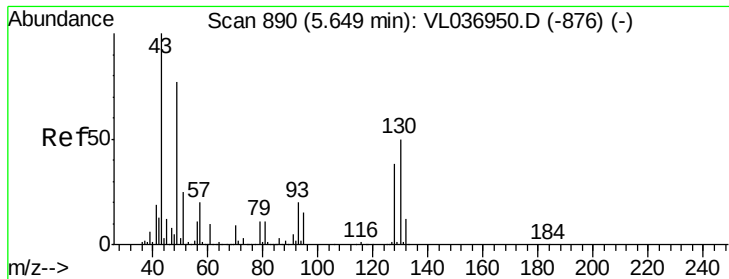
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037115.D

Acq: 3 Jun 2021 00:12

Instrument :
MSVOA_L
ClientSampleId :

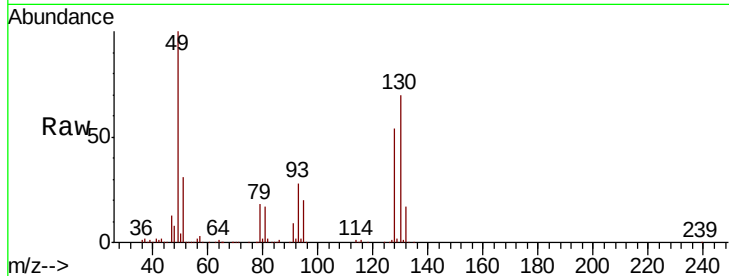
Tot Ion: 49 Resp: 1338654

Ion Ratio Lower Upper

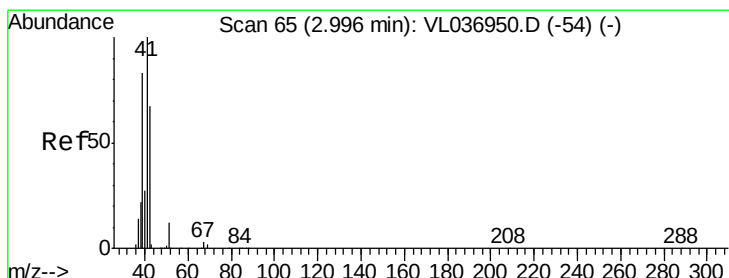
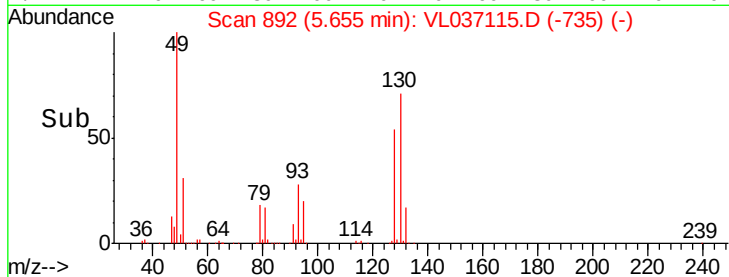
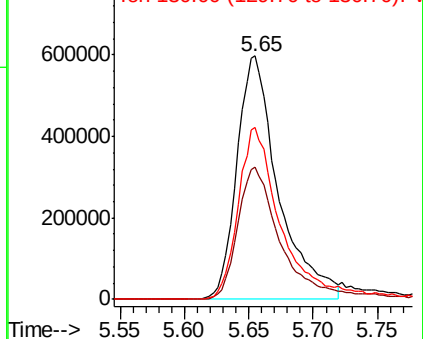
49 100

128 58.8 26.9 80.7

130 76.2 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0
800000 Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.202 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037115.D

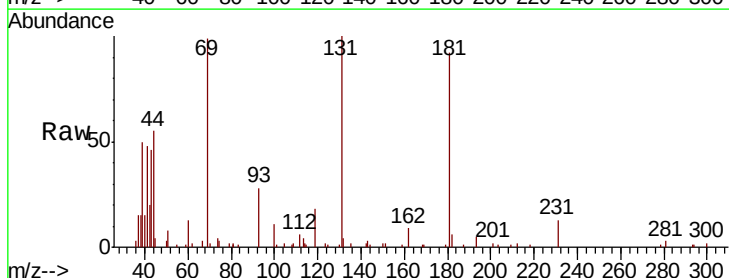
Acq: 3 Jun 2021 00:12

Tgt Ion: 41 Resp: 17743

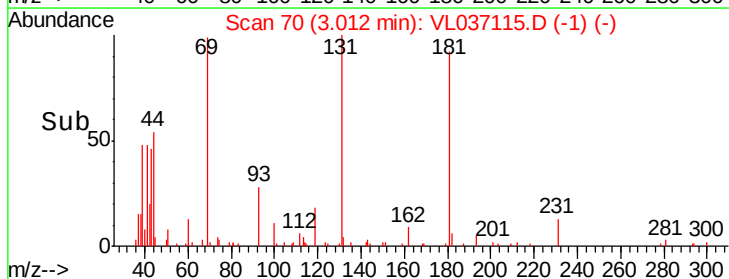
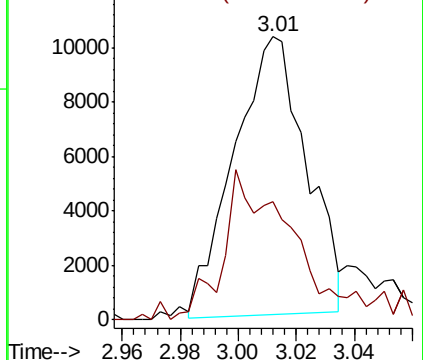
Ion Ratio Lower Upper

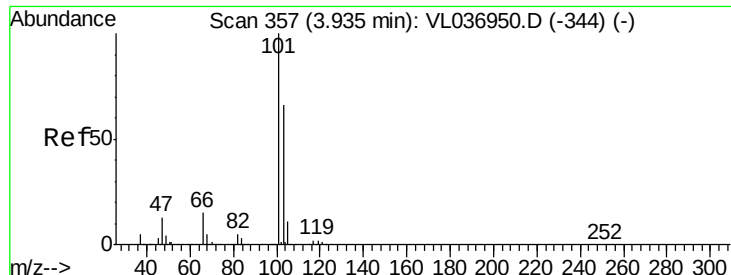
41 100

42 56.5 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
12000 Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.057 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL037115.D

Acq: 3 Jun 2021 00:12

Instrument :

MSVOA_L

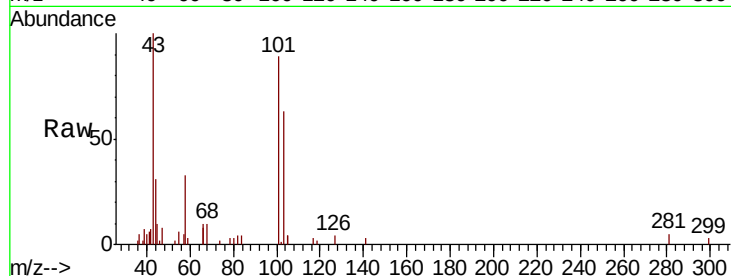
ClientSampleId :

Tot Ion:101 Resp: 11883

Ion Ratio Lower Upper

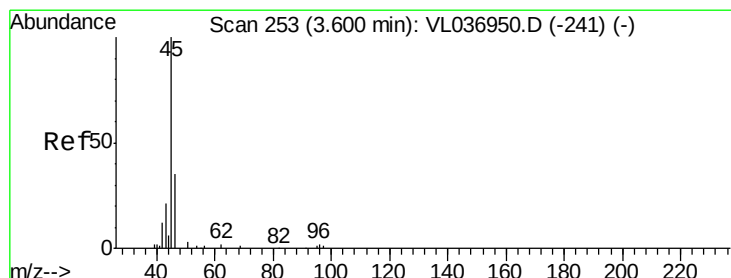
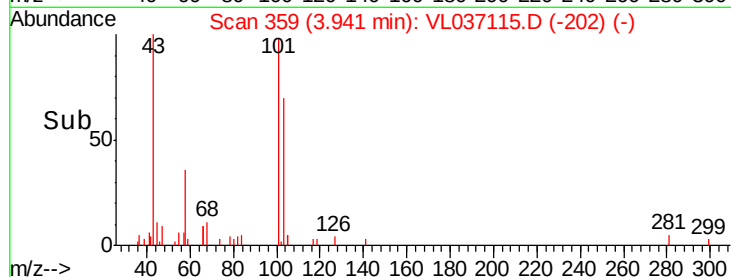
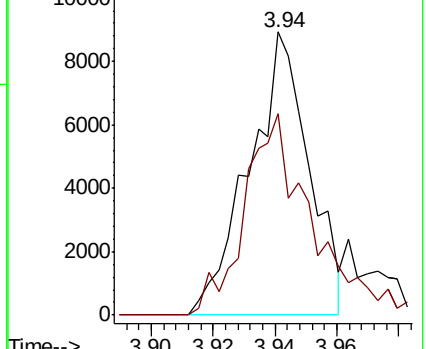
101 100

103 71.1 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 17.555 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL037115.D

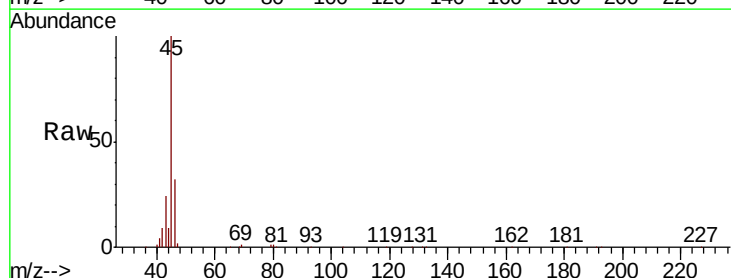
Acq: 3 Jun 2021 00:12

Tgt Ion: 45 Resp: 205690

Ion Ratio Lower Upper

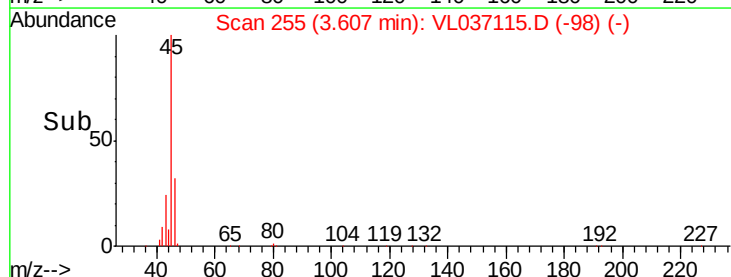
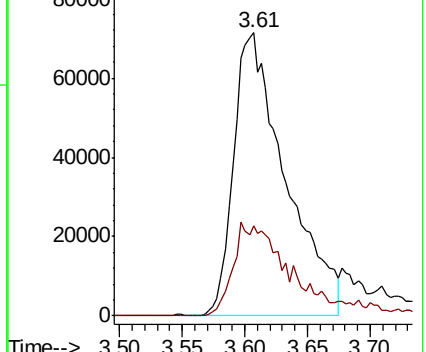
45 100

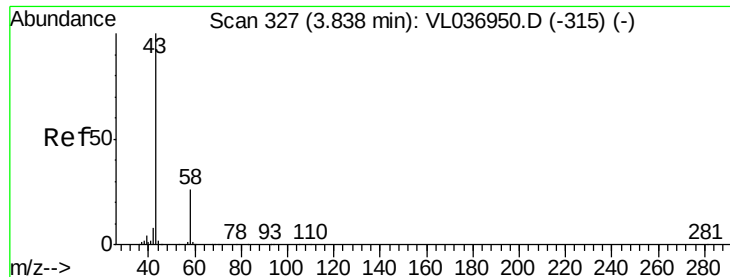
46 38.2 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 2.780 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL037115.D

Acq: 3 Jun 2021 00:12

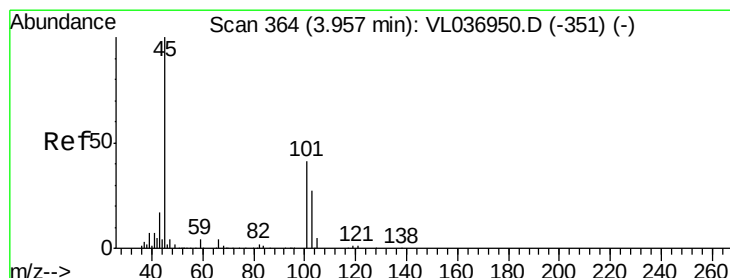
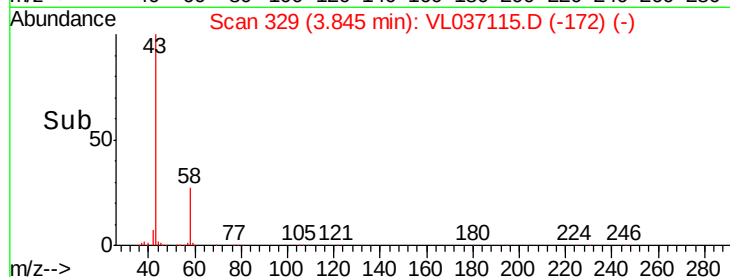
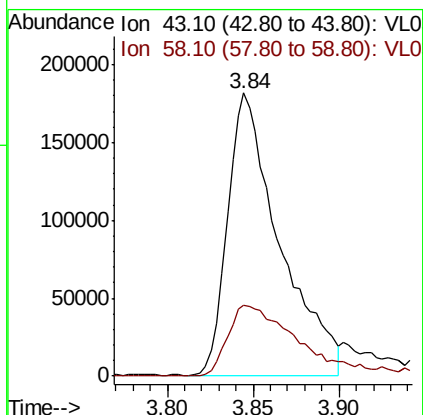
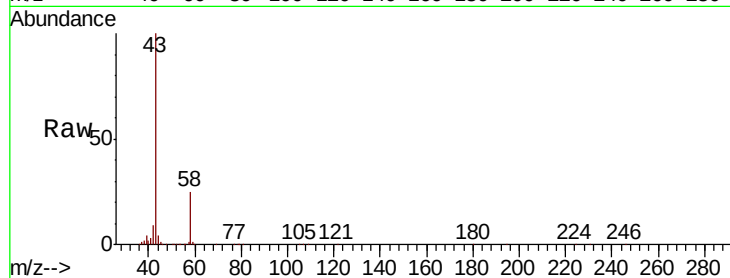
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 381210

Ion Ratio Lower Upper

43 100

58 35.4 24.0 36.0



#19

Isopropyl Alcohol

Concen: 0.134 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL037115.D

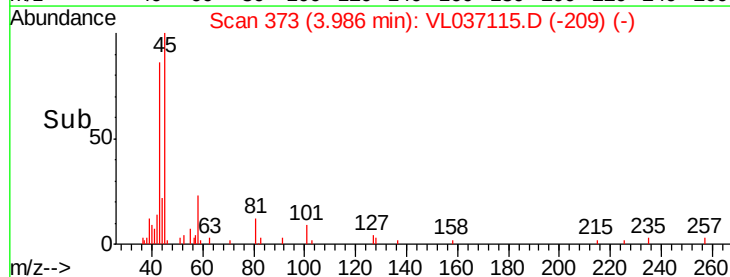
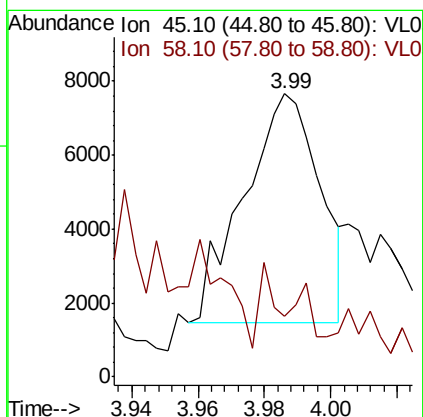
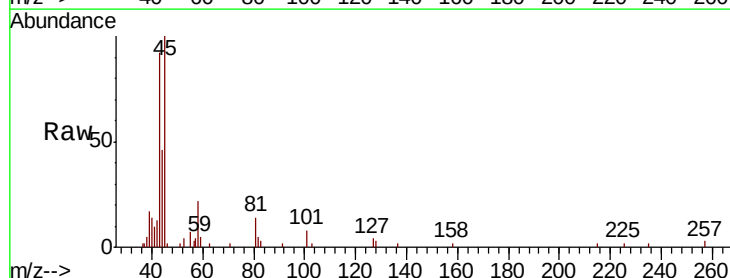
Acq: 3 Jun 2021 00:12

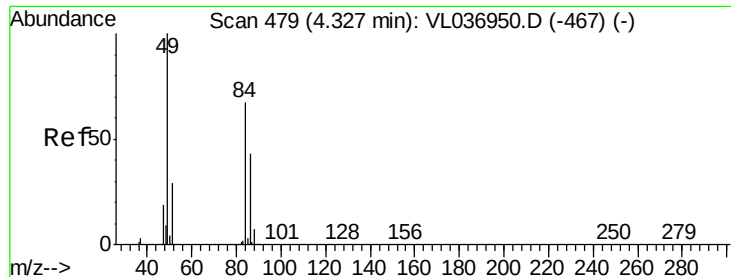
Tgt Ion: 45 Resp: 9910

Ion Ratio Lower Upper

45 100

58 0.0 37.2 55.8#

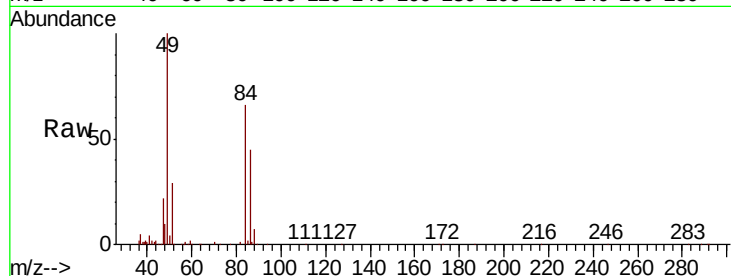




#20
Methvlene Chloride
Concen: 2.363 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL037115.D
Acq: 3 Jun 2021 00:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	173707
Ion	Ratio	Lower	Upper
84	100		
49	150.3	119.8	179.6
51	42.9	35.1	52.7
86	67.2	50.9	76.3



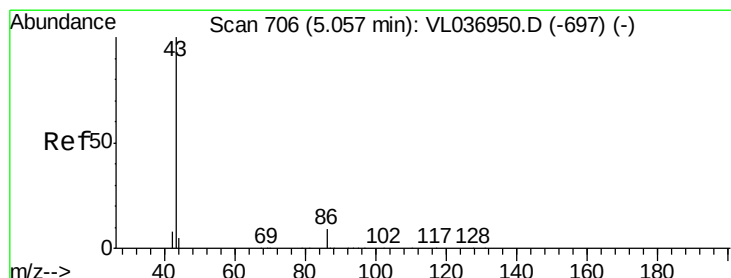
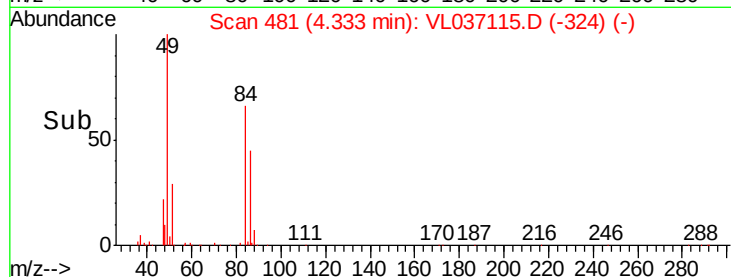
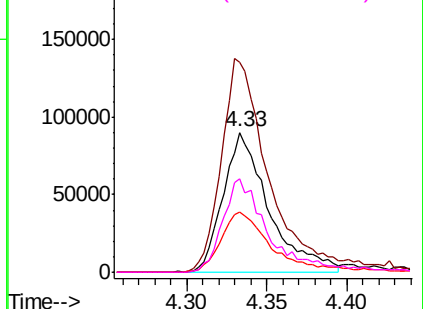
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

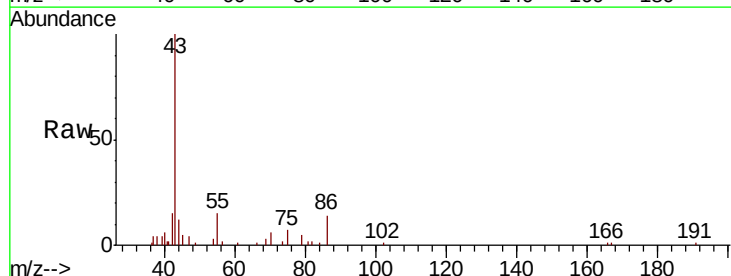
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.105 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.00 min
Lab File: VL037115.D
Acq: 3 Jun 2021 00:12

Tgt Ion:	43	Resp:	22852
Ion	Ratio	Lower	Upper
43	100		
86	14.3	5.8	8.8#
42	2.4	7.4	11.2#
44	0.0	3.3	4.9#



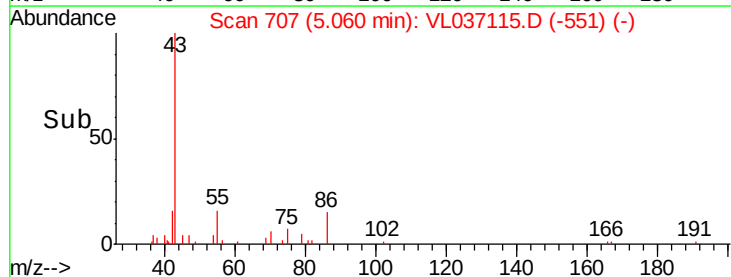
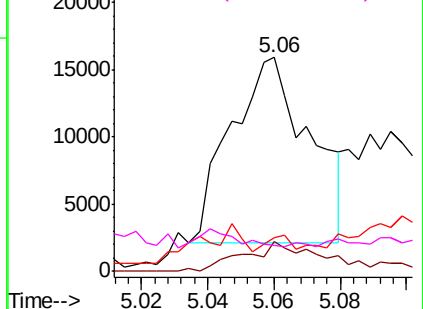
Abundance

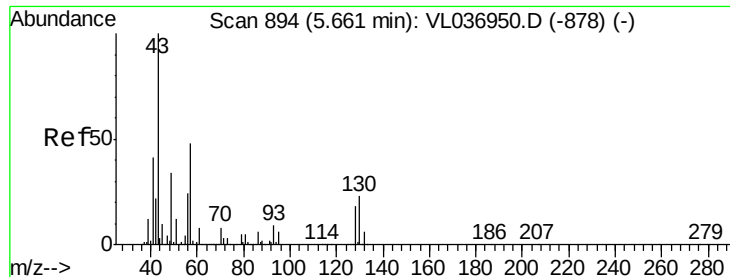
Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 0.259 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL037115.D

Acq: 3 Jun 2021 00:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 85450

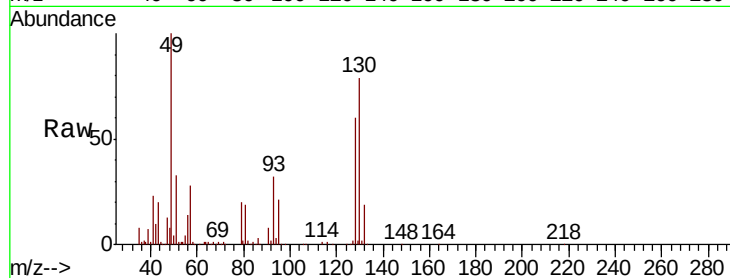
Ion Ratio Lower Upper

43 100

45 2.1 7.8 11.8#

61 0.5 7.8 11.8#

70 2.5 5.6 8.4#

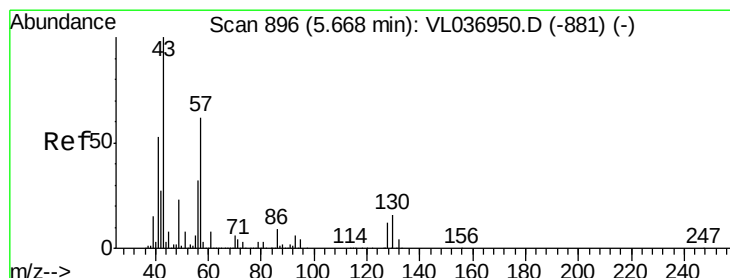
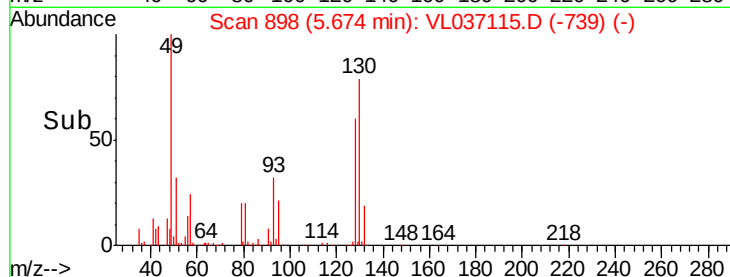
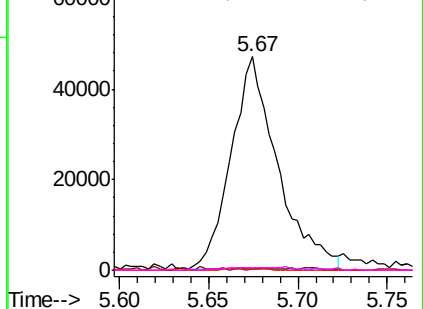


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.691 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL037115.D

Acq: 3 Jun 2021 00:12

Tgt Ion: 57 Resp: 116251

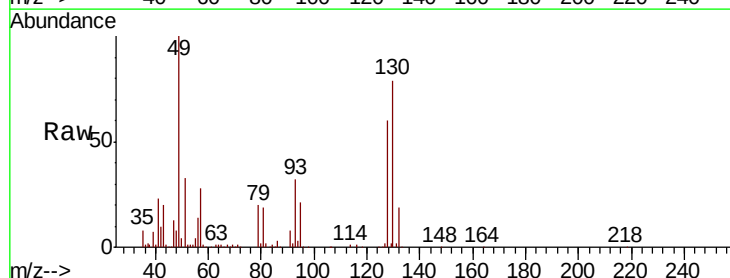
Ion Ratio Lower Upper

57 100

41 100.5 70.5 105.7

43 77.8 165.8 248.8#

56 57.5 42.2 63.4

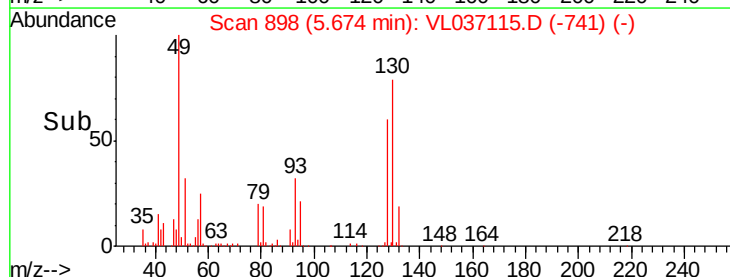
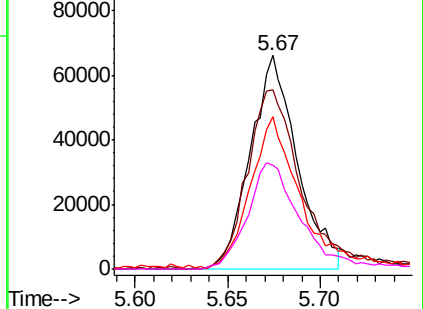


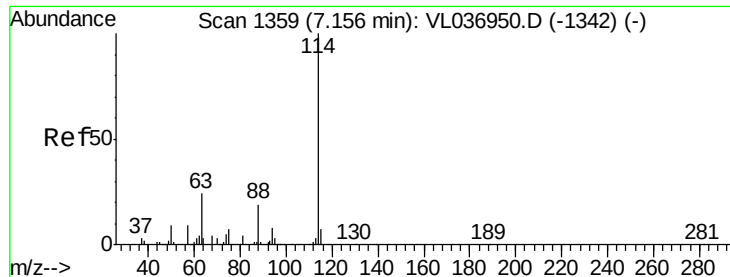
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

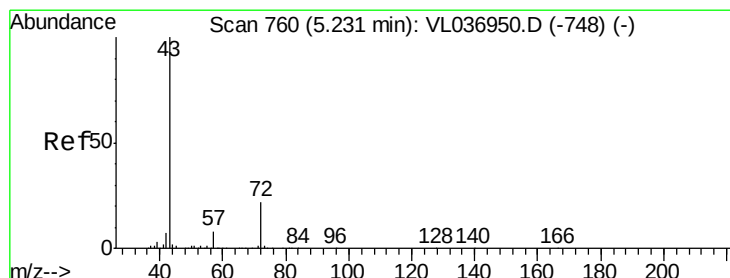
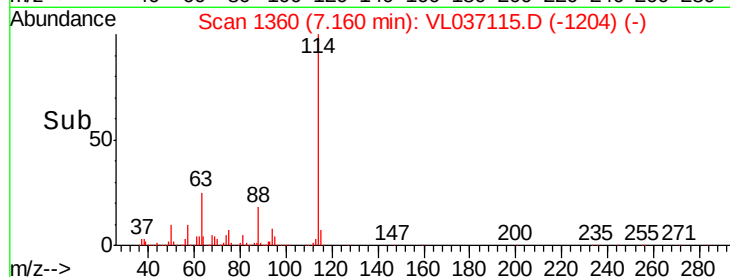
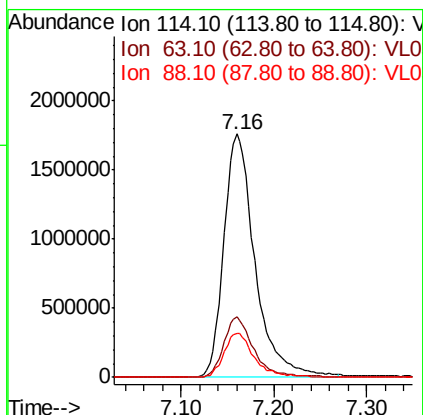
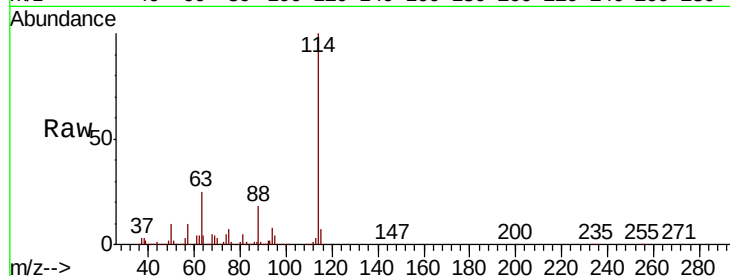




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037115.D
 Acq: 3 Jun 2021 00:12

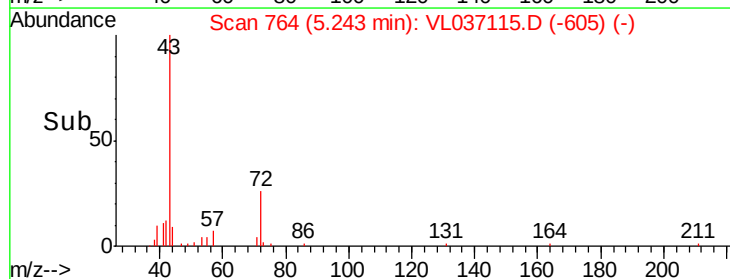
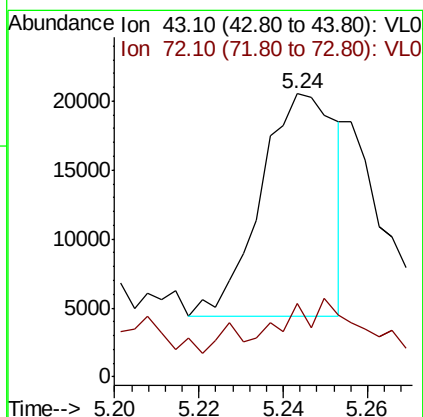
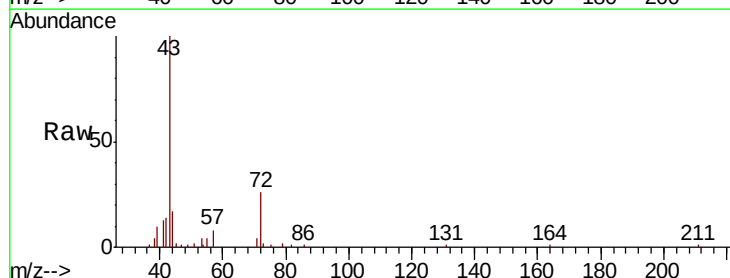
Instrument :
 MSVOA_L
 ClientSampleId :

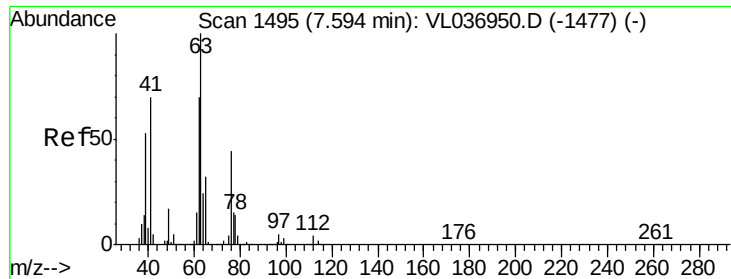
Tot Ion:114 Resp: 4104557
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.9 14.6 21.8



#34
 2-Butanone
 Concen: 0.134 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL037115.D
 Acq: 3 Jun 2021 00:12

Tgt Ion: 43 Resp: 19972
 Ion Ratio Lower Upper
 43 100
 72 79.6 19.0 28.4#

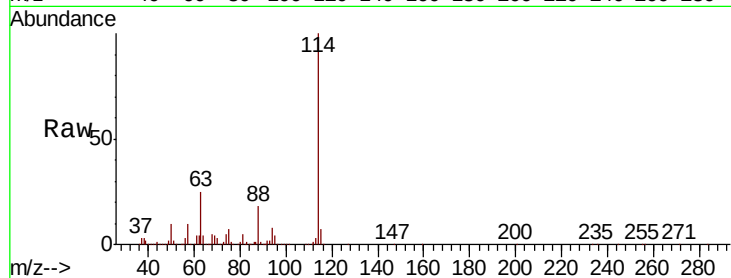




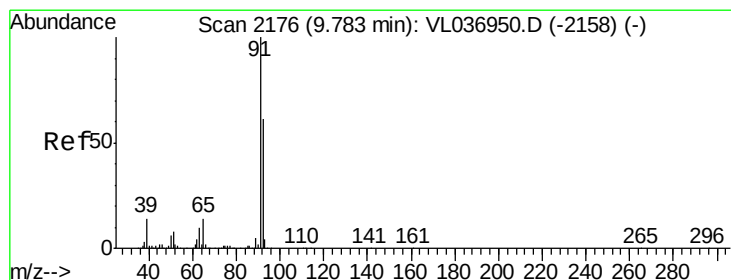
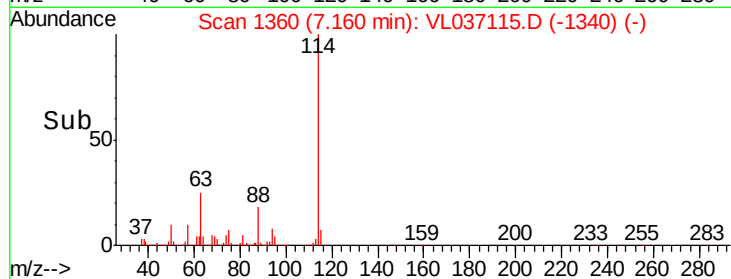
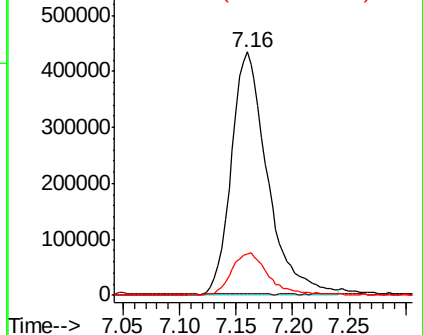
#39
 1,2-Dichloropropane
 Concen: 7.144 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.43 min
 Lab File: VL037115.D
 Acq: 3 Jun 2021 00:12

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.7	83.5#
62	16.9	56.2	84.4#

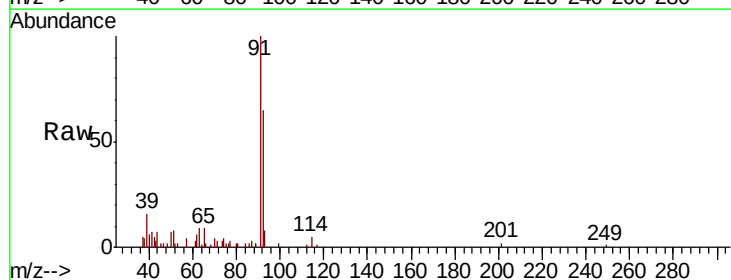


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

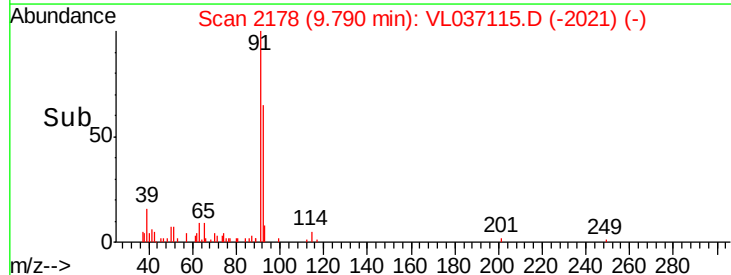
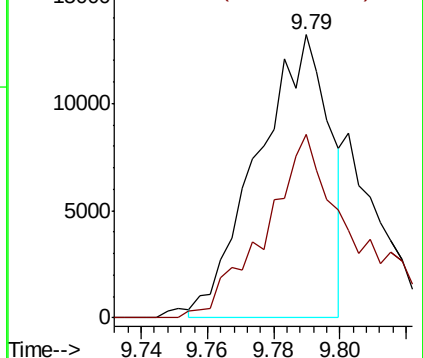


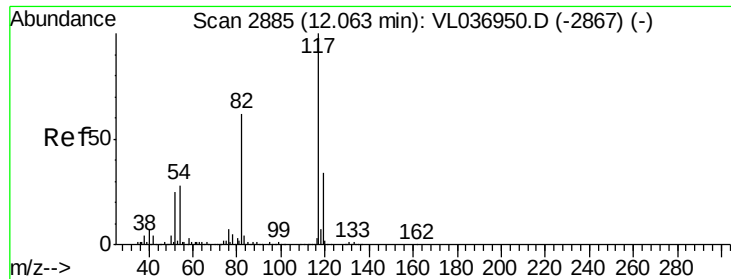
#53
 Toluene
 Concen: 0.047 ppbv
 RT: 9.79 min Scan# 2178
 Delta R.T. 0.01 min
 Lab File: VL037115.D
 Acq: 3 Jun 2021 00:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	82.2	49.5	74.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0

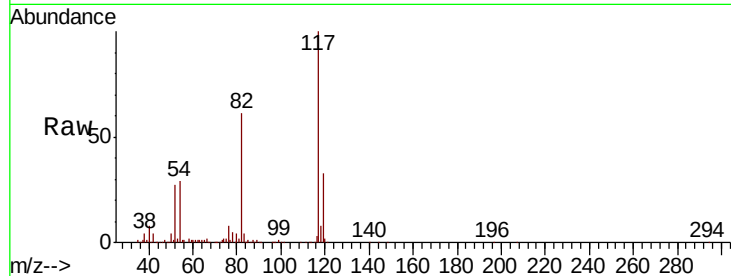




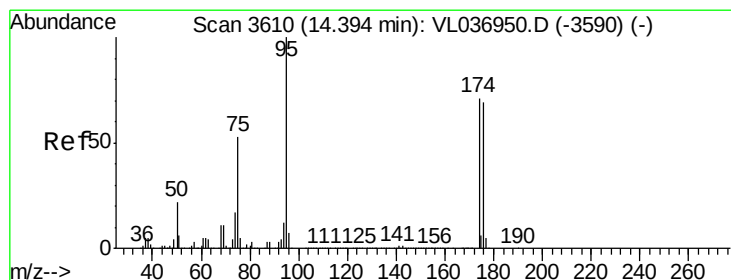
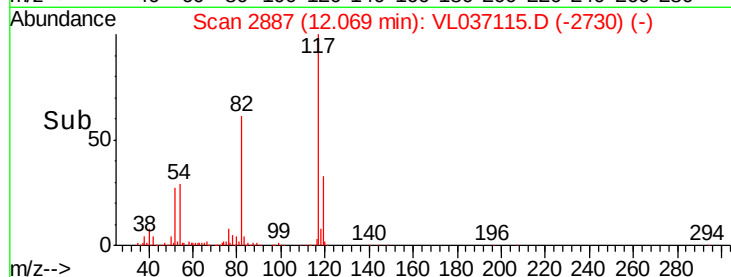
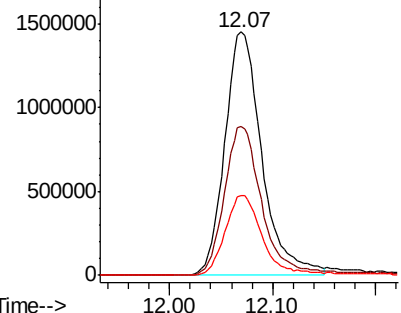
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037115.D
Acq: 3 Jun 2021 00:12

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3632885
Ion Ratio Lower Upper
117 100
82 64.7 52.6 79.0
119 34.3 46.6 70.0#

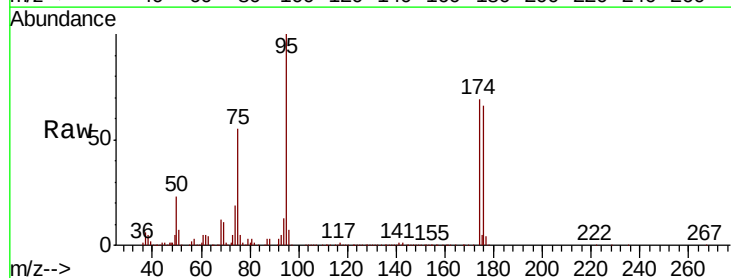


Abundance Ion 117.10 (116.80 to 117.80): V
2000000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.797 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. 0.01 min
Lab File: VL037115.D
Acq: 3 Jun 2021 00:12

Tgt Ion: 95 Resp: 2673718
Ion Ratio Lower Upper
95 100
174 75.2 58.4 87.6
175 5.7 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

