

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037091.D
 Acq On : 2 Jun 2021 4:52
 Operator : SY/AP
 Sample : M2548-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

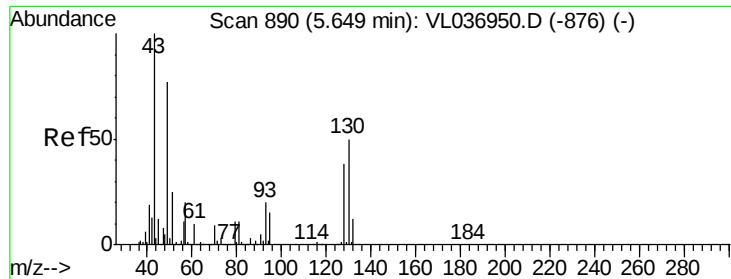
Quant Time: Jun 02 06:50:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1417225	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4205795	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3752065	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2770244	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	16986	0.071	ppbv	95
3) Chlorodifluoromethane	2.98	51	9749	0.038	ppbv	99
4) Chloromethane	3.13	50	2843	0.032	ppbv #	88
9) Propene	3.01	41	9786	0.105	ppbv	86
13) Ethanol	3.61	45	148877	12.002	ppbv	100
15) Acetone	3.85	43	37780	0.260	ppbv #	45
19) Isopropyl Alcohol	3.98	45	45203	0.579	ppbv #	55
20) Methylene Chloride	4.33	84	23009	0.296	ppbv	90
26) Hexane	5.67	57	7391	0.041	ppbv #	1
34) 2-Butanone	5.24	43	5785	0.038	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	1012735	7.257	ppbv #	25

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037091.D

Acq: 2 Jun 2021 4:52

Instrument :

MSVOA_L

ClientSampleId :

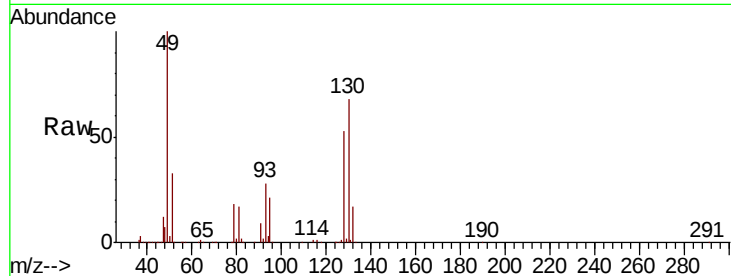
Tot Ion: 49 Resp: 1417225

Ion Ratio Lower Upper

49 100

128 58.5 26.9 80.7

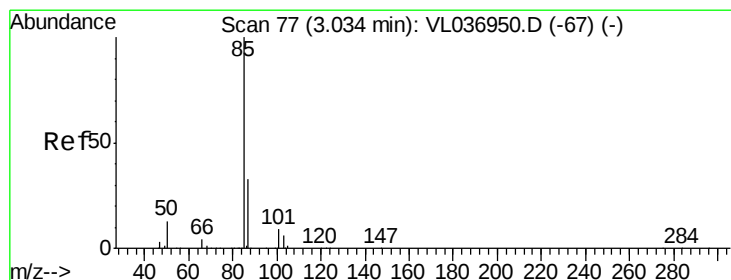
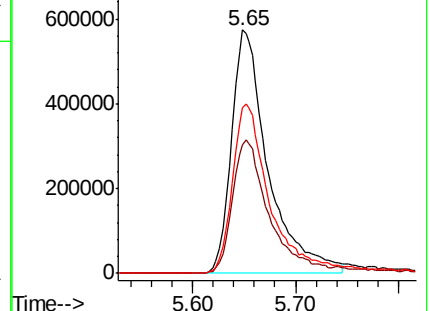
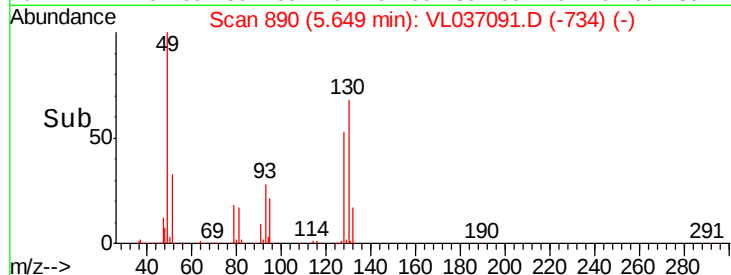
130 75.5 33.8 101.4



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



#2

Dichlorodifluoromethane

Concen: 0.071 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL037091.D

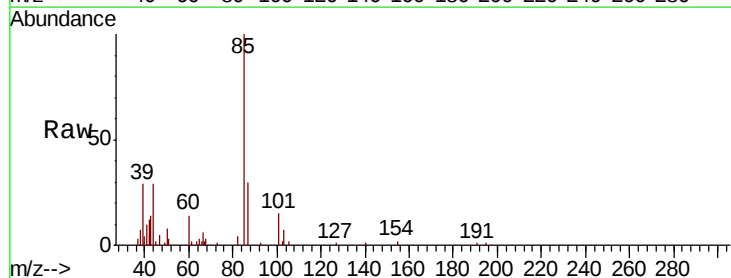
Acq: 2 Jun 2021 4:52

Tgt Ion: 85 Resp: 16986

Ion Ratio Lower Upper

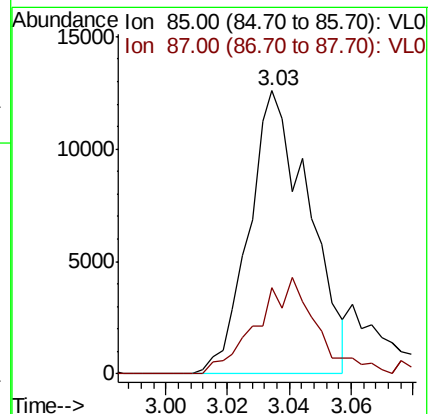
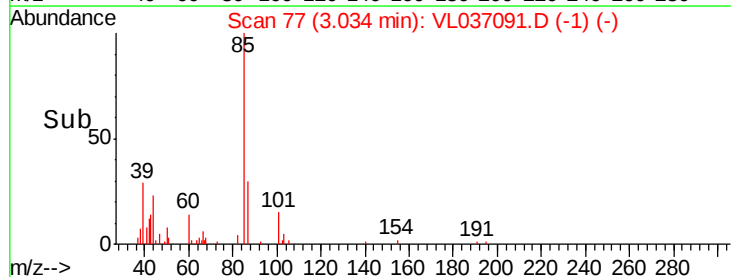
85 100

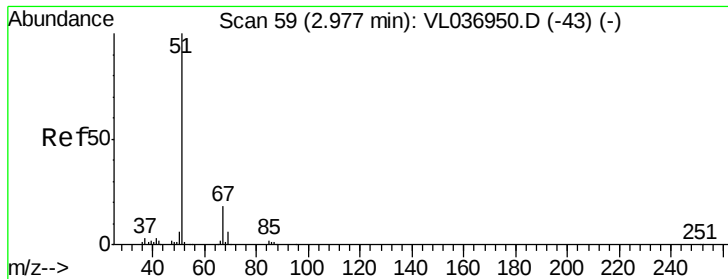
87 30.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.038 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037091.D

Acq: 2 Jun 2021 4:52

Instrument :

MSVOA_L

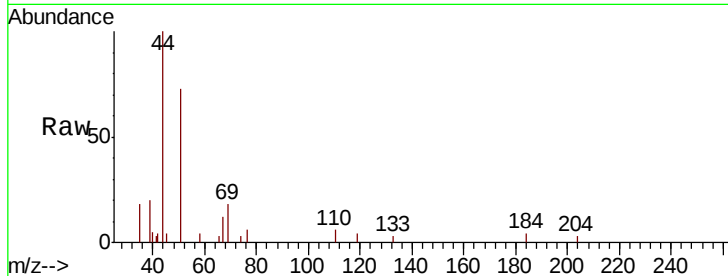
ClientSampleId :

Tot Ion: 51 Resp: 9749

Ion Ratio Lower Upper

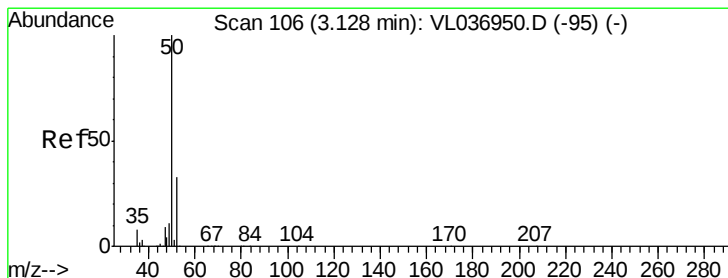
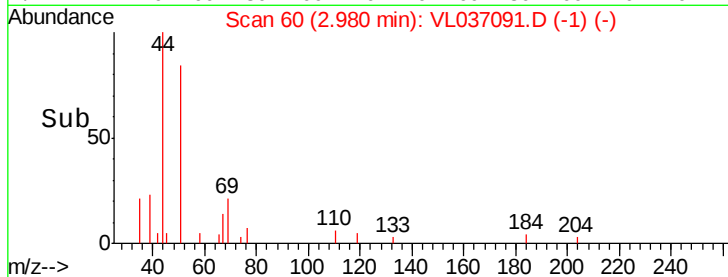
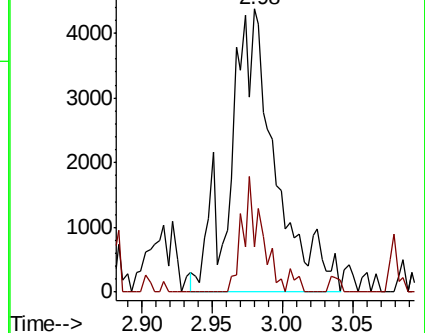
51 100

67 18.5 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.032 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037091.D

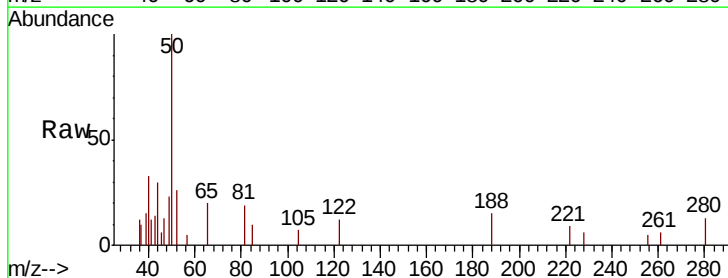
Acq: 2 Jun 2021 4:52

Tgt Ion: 50 Resp: 2843

Ion Ratio Lower Upper

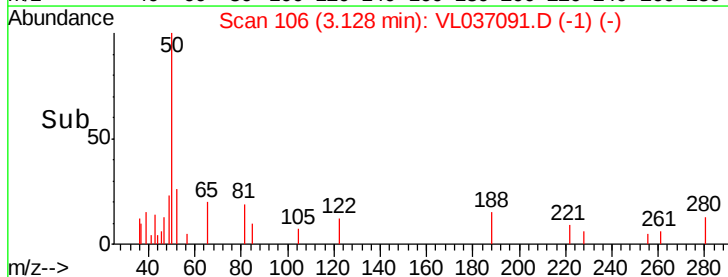
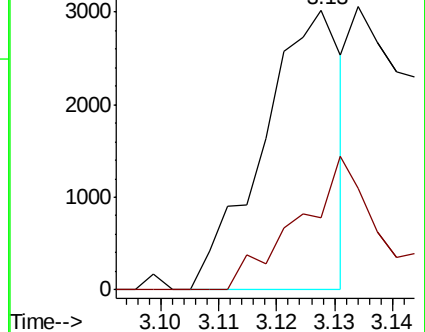
50 100

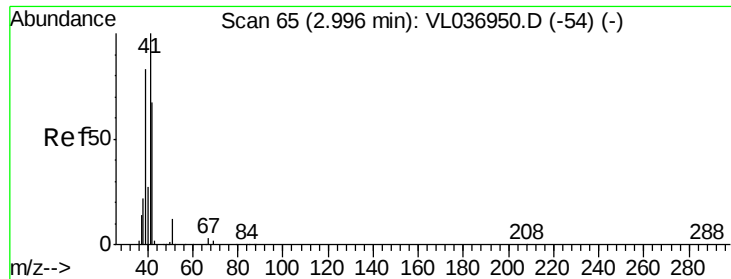
52 25.7 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

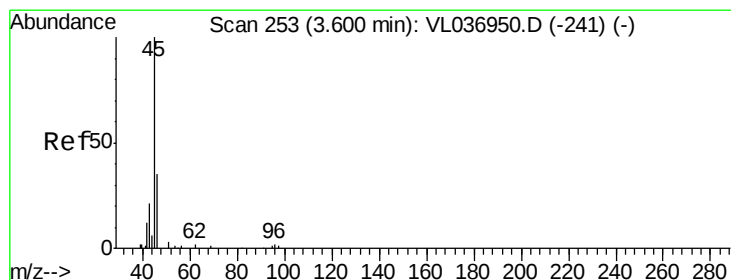
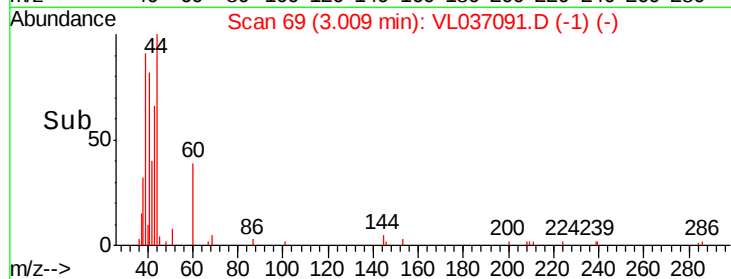
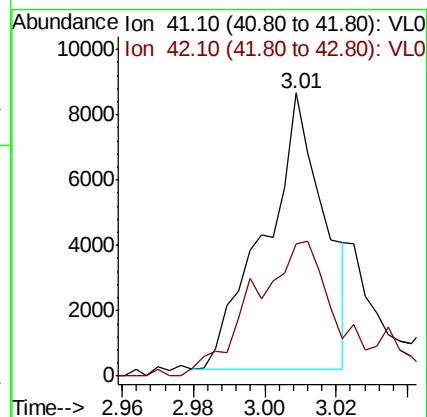
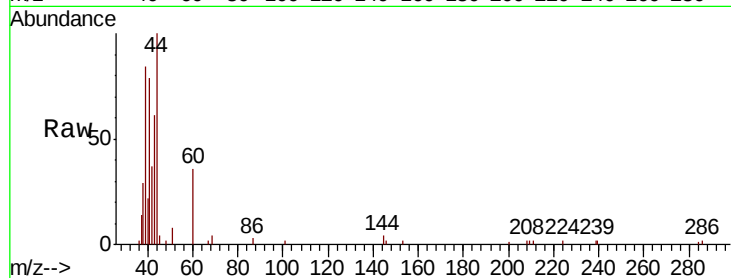




#9
 Propene
 Concen: 0.105 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: VL037091.D
 Acq: 2 Jun 2021 4:52

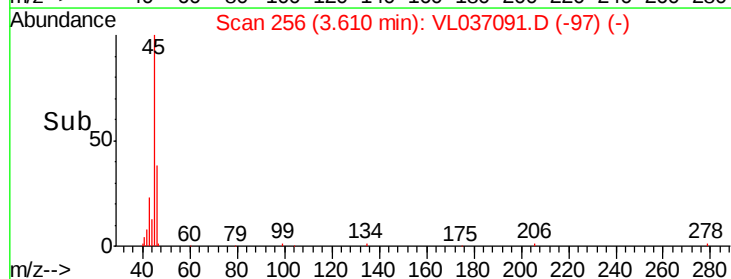
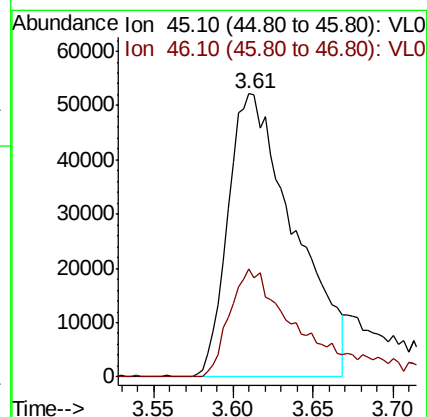
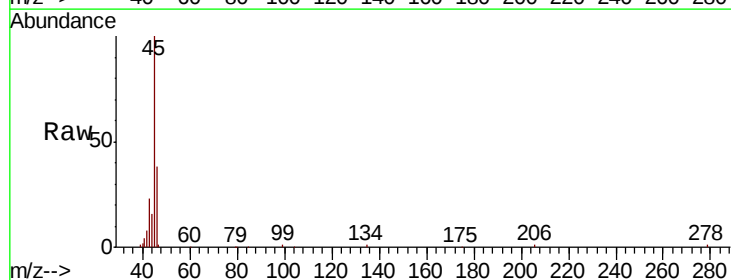
Instrument :
 MSVOA_L
 ClientSampled :

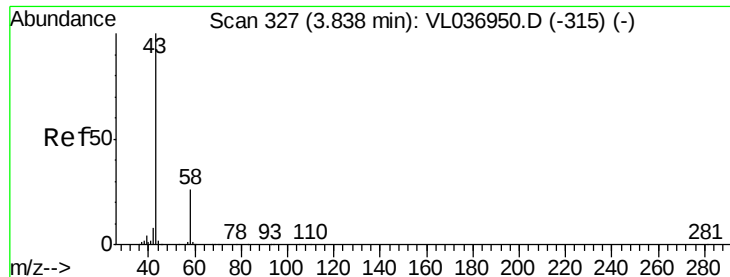
Tot Ion: 41 Resp: 9786
 Ion Ratio Lower Upper
 41 100
 42 78.7 53.9 80.9



#13
 Ethanol
 Concen: 12.002 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.01 min
 Lab File: VL037091.D
 Acq: 2 Jun 2021 4:52

Tgt Ion: 45 Resp: 148877
 Ion Ratio Lower Upper
 45 100
 46 40.7 16.3 65.3





#15

Acetone

Concen: 0.260 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL037091.D

Acq: 2 Jun 2021 4:52

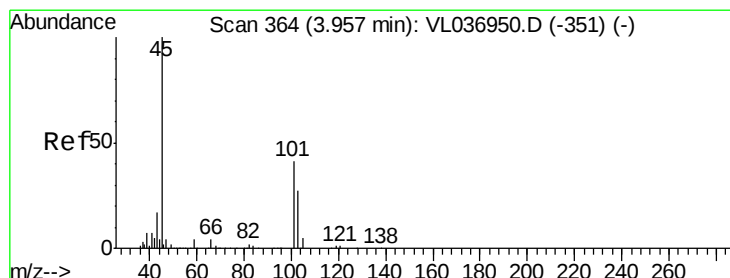
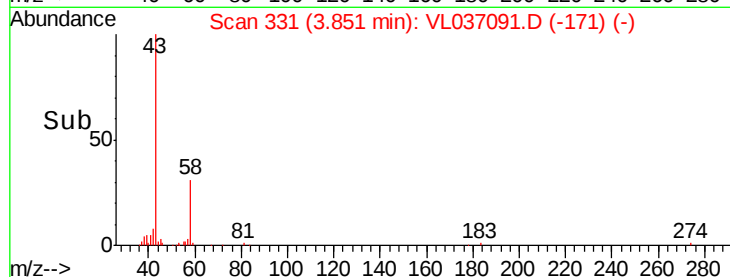
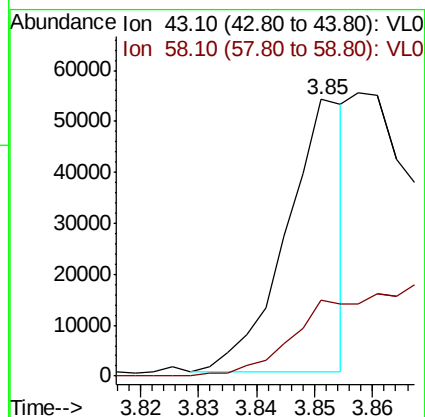
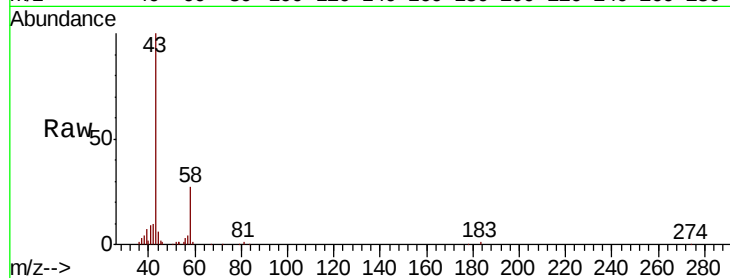
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 37780

Ion Ratio Lower Upper

43 100

58 0.0 24.0 36.0#



#19

Isopropyl Alcohol

Concen: 0.579 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL037091.D

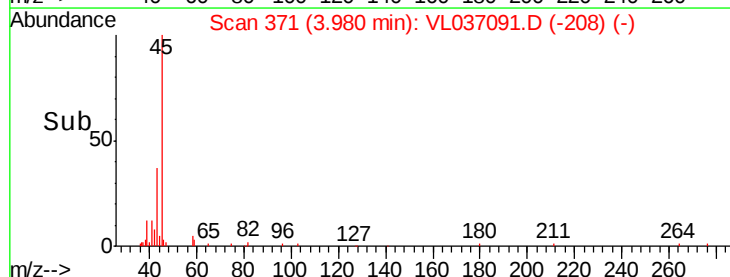
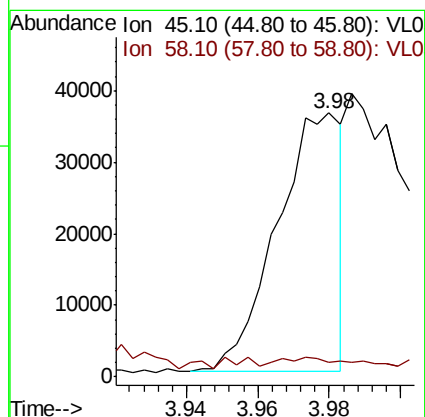
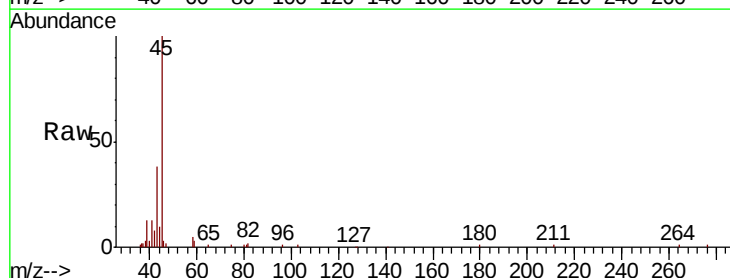
Acq: 2 Jun 2021 4:52

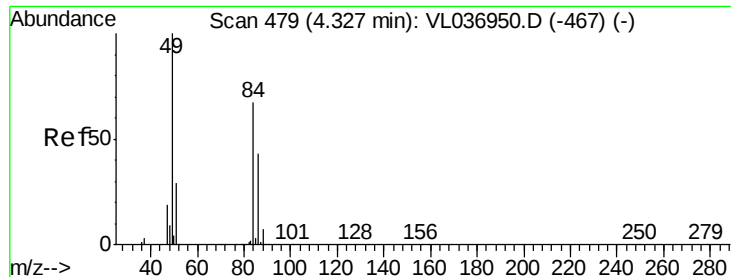
Tgt Ion: 45 Resp: 45203

Ion Ratio Lower Upper

45 100

58 16.3 37.2 55.8#

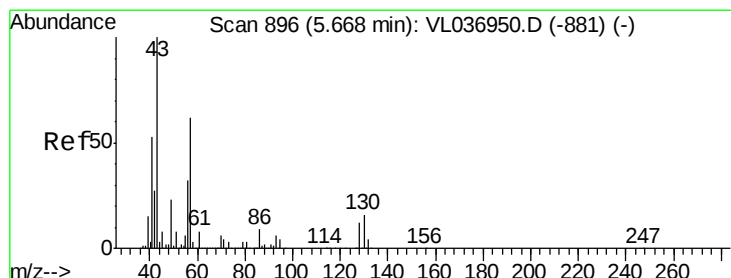
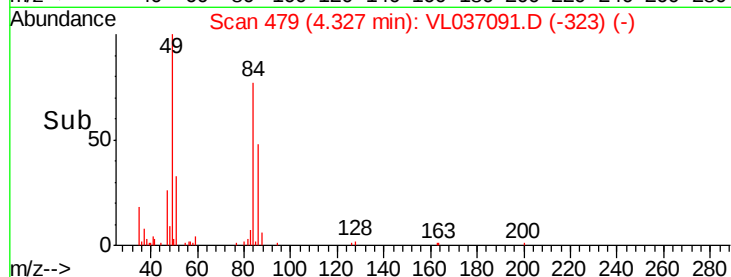
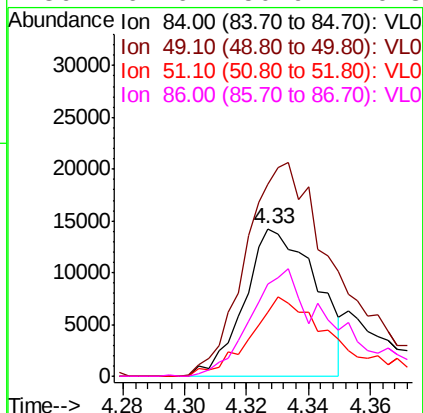
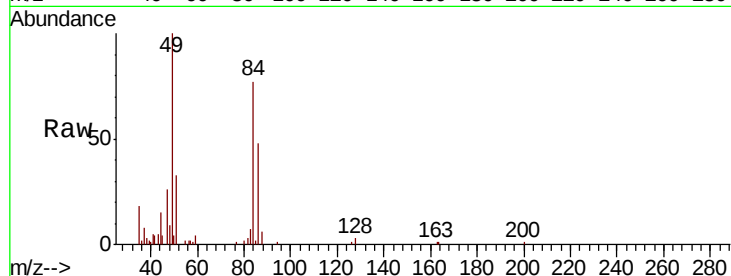




#20
Methvlene Chloride
Concen: 0.296 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL037091.D
Acq: 2 Jun 2021 4:52

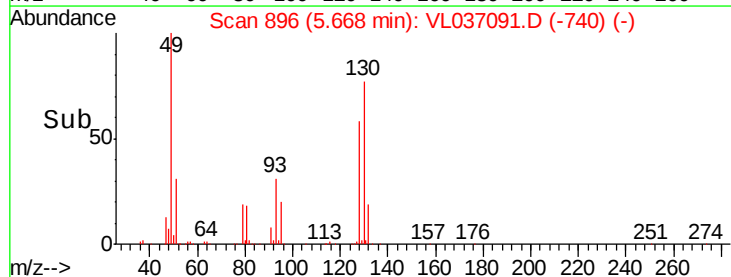
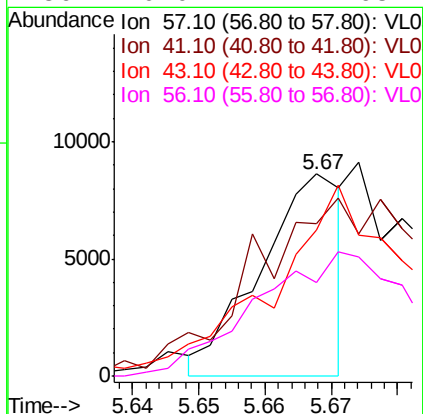
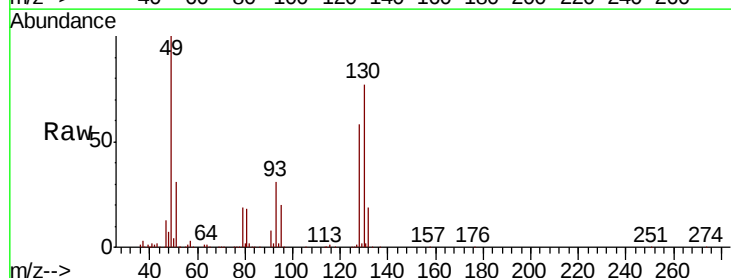
Instrument :
MSVOA_L
ClientSampleId :

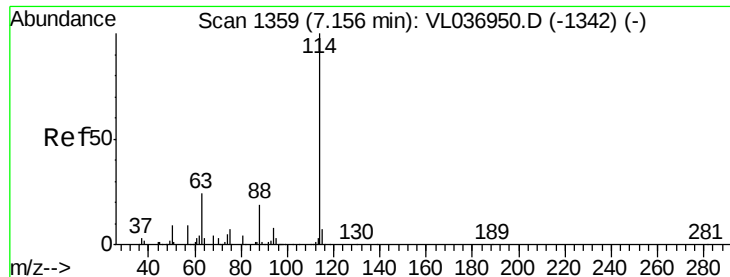
Tot Ion:	84	Resp:	23009
Ion	Ratio	Lower	Upper
84	100		
49	129.1	119.8	179.6
51	43.1	35.1	52.7
86	62.6	50.9	76.3



#26
Hexane
Concen: 0.041 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL037091.D
Acq: 2 Jun 2021 4:52

Tgt Ion:	57	Resp:	7391
Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.5	105.7#
43	0.0	165.8	248.8#
56	0.0	42.2	63.4#

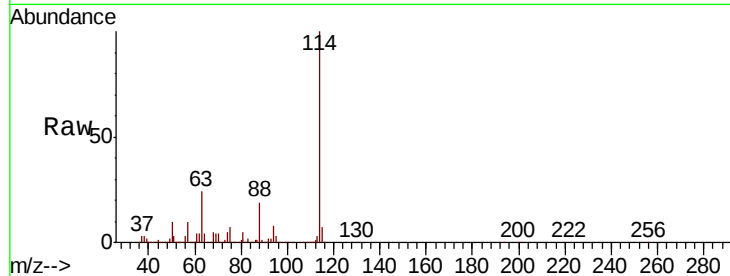




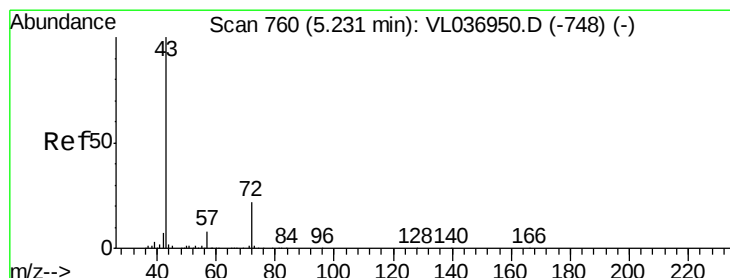
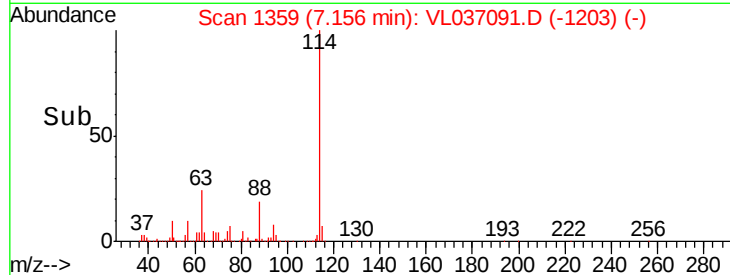
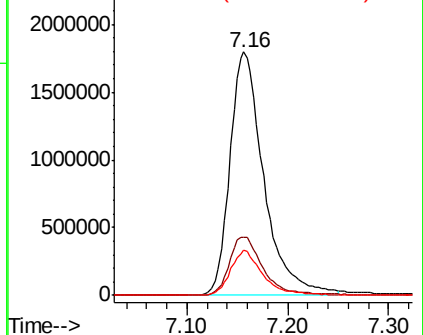
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL037091.D
 Acq: 2 Jun 2021 4:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4205795
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 18.0 14.6 21.8

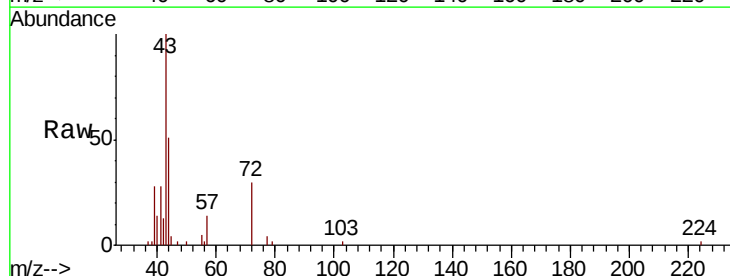


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

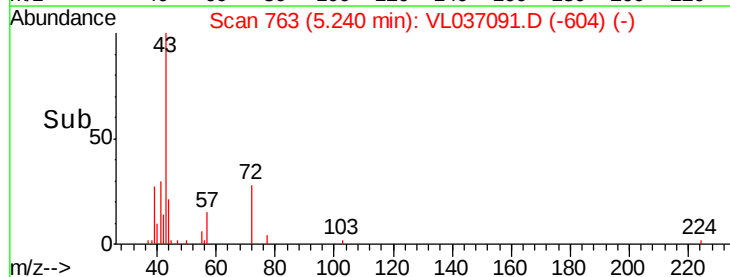
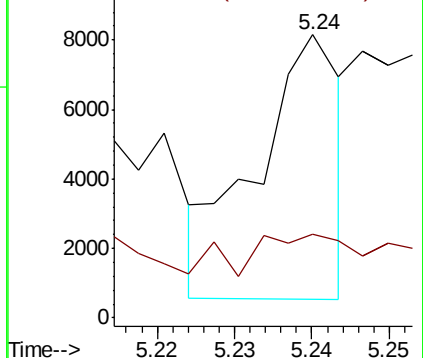


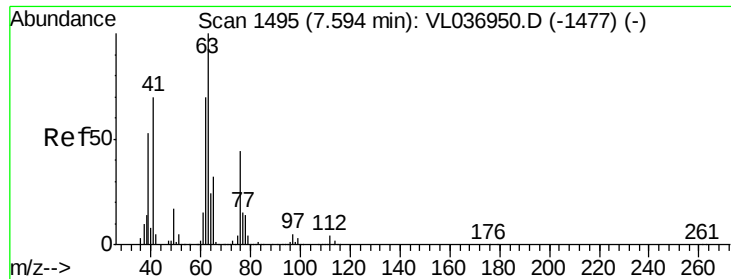
#34
 2-Butanone
 Concen: 0.038 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL037091.D
 Acq: 2 Jun 2021 4:52

Tgt Ion: 43 Resp: 5785
 Ion Ratio Lower Upper
 43 100
 72 107.4 19.0 28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

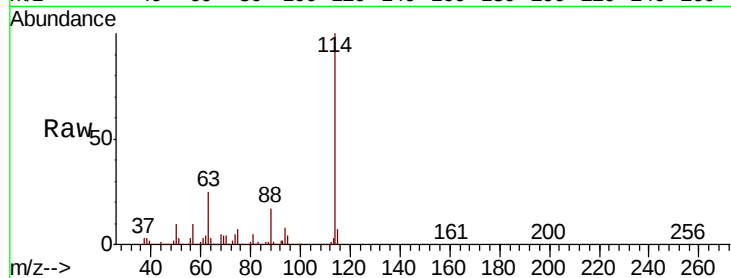




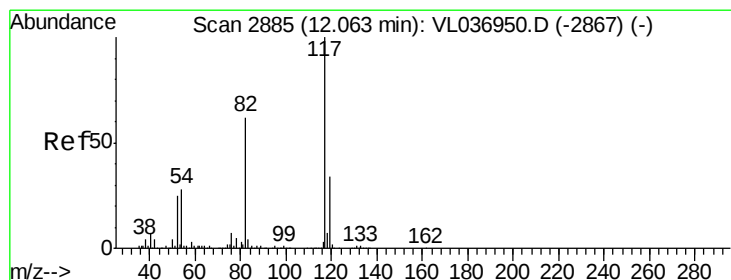
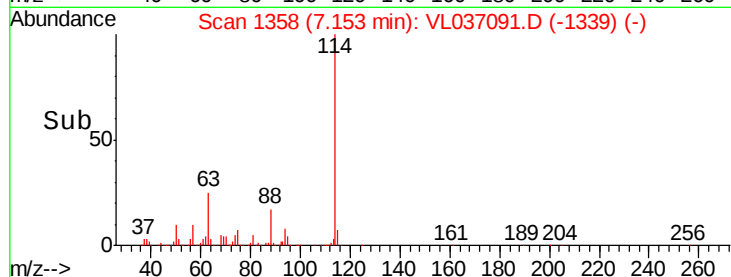
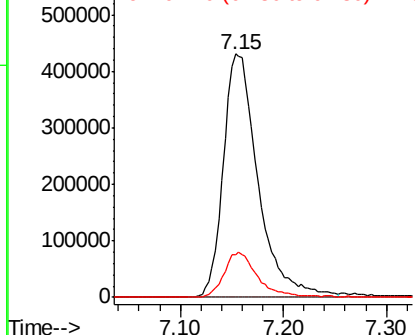
#39
 1,2-Dichloropropane
 Concen: 7.257 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.44 min
 Lab File: VL037091.D
 Acq: 2 Jun 2021 4:52

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 63 Resp: 1012735
 Ion Ratio Lower Upper
 63 100
 41 0.0 55.7 83.5#
 62 17.3 56.2 84.4#

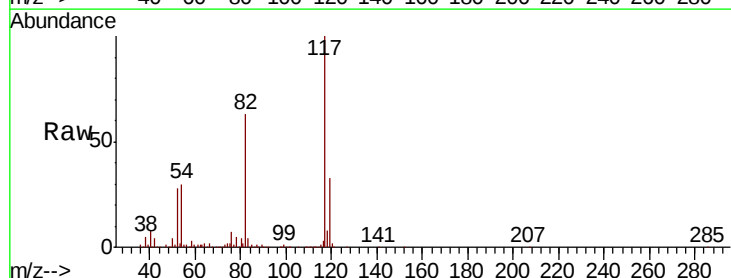


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

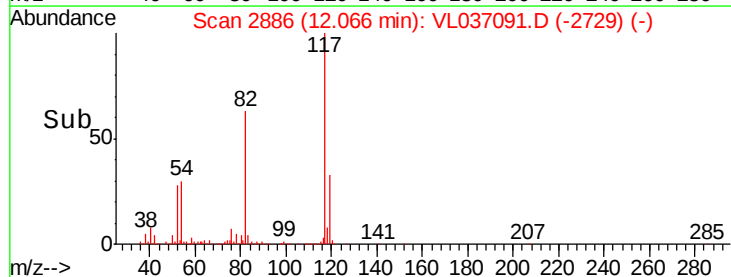
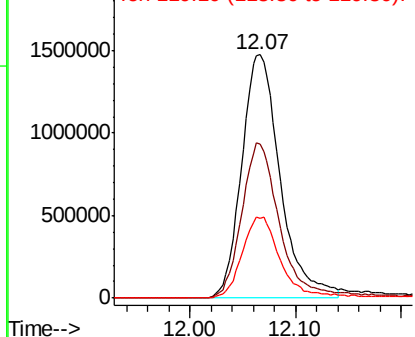


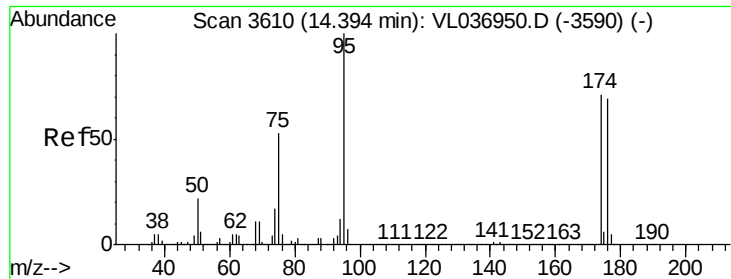
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VL037091.D
 Acq: 2 Jun 2021 4:52

Tgt Ion: 117 Resp: 3752065
 Ion Ratio Lower Upper
 117 100
 82 65.3 52.6 79.0
 119 34.2 46.6 70.0#



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





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.828 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. 0.00 min
 Lab File: VL037091.D
 Acq: 2 Jun 2021 4:52

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2770244
 Ion Ratio Lower Upper
 95 100
 174 76.5 58.4 87.6
 175 5.3 4.4 6.6

