

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL07304.D
 Acq On : 31 Jul 2021 5:18
 Operator : SY/AP
 Sample : M3121-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 31 06:57:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 23:19:30 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1100886	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3342380	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	3011782	10.00	ppbv	-0.01

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	2044757	9.33	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.30%	

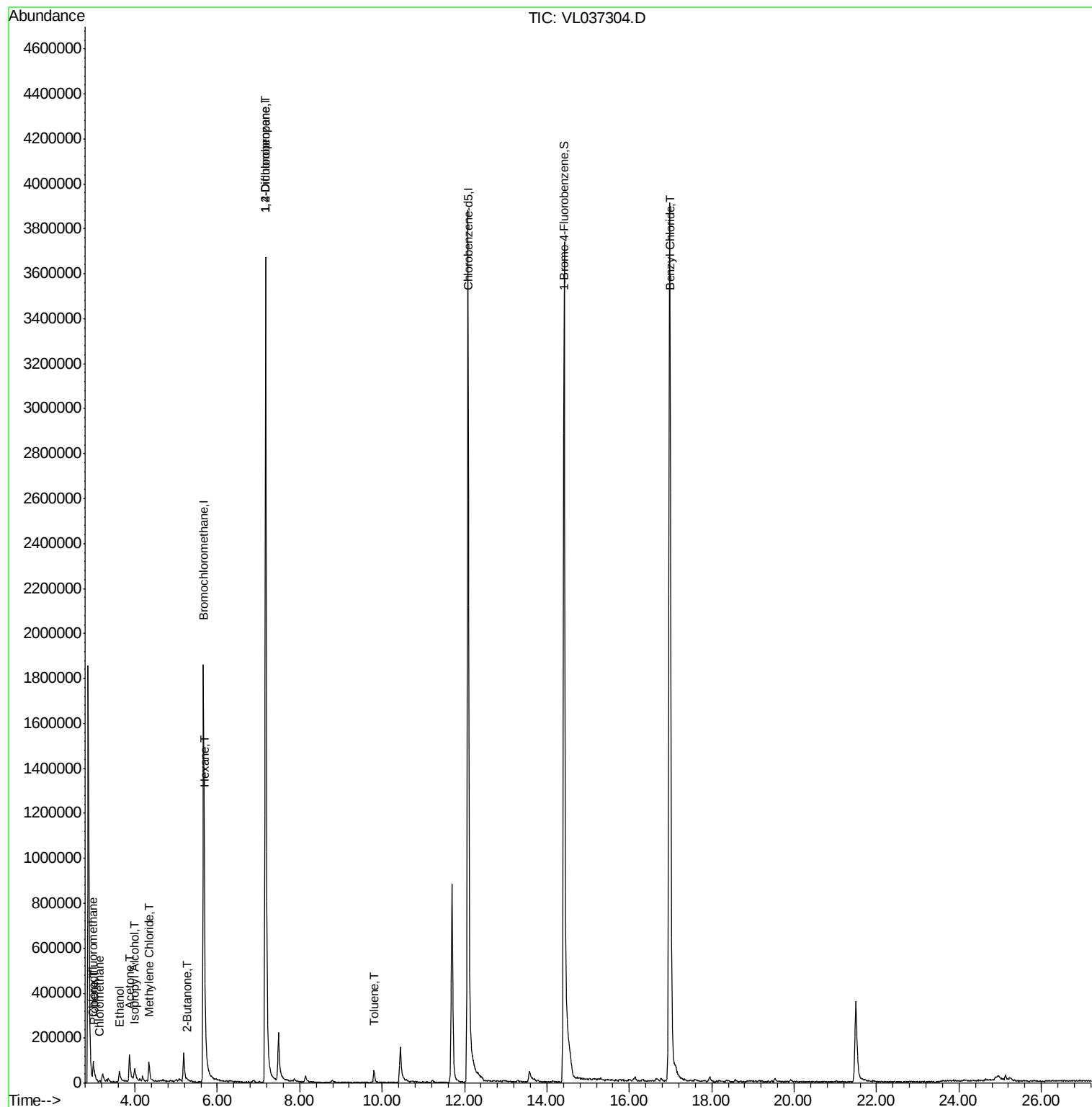
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	111206	0.504	ppbv	100
4) Chloromethane	3.13	50	2331	0.030	ppbv	99
9) Propene	3.01	41	4693	0.063	ppbv #	16
13) Ethanol	3.62	45	46256	2.836	ppbv	63
15) Acetone	3.87	43	154018	0.777	ppbv #	69
19) Isopropyl Alcohol	3.99	45	27510	0.359	ppbv #	92
20) Methylene Chloride	4.34	84	35222	0.459	ppbv	89
26) Hexane	5.69	57	9394	0.061	ppbv #	59
34) 2-Butanone	5.26	43	10044	0.070	ppbv #	18
39) 1,2-Dichloropropane	7.17	63	742720	6.979	ppbv #	26
53) Toluene	9.79	91	12653	0.038	ppbv #	21
66) Benzyl Chloride	16.98	91	895	0.041	ppbv #	63

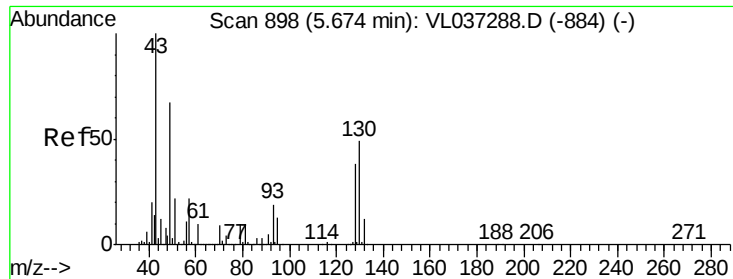
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL073021\
Data File : VL037304.D
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Misc : 400mL/MSVOA L
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Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 31 06:57:29 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 23:19:30 2021
QLast Update : Fri Jul 30 23:19:30 2021
Response via : Initial Calibration

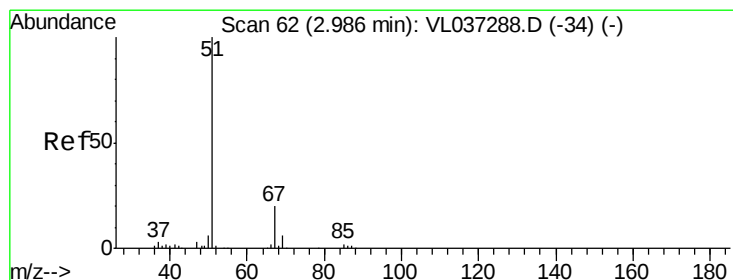
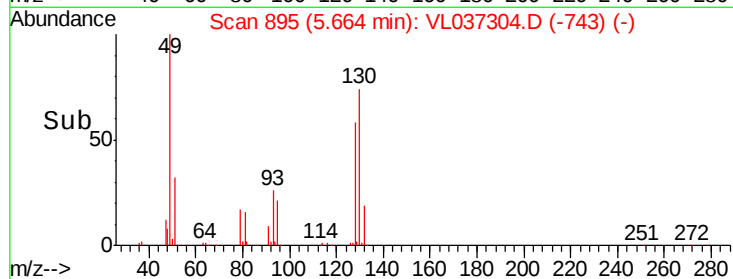
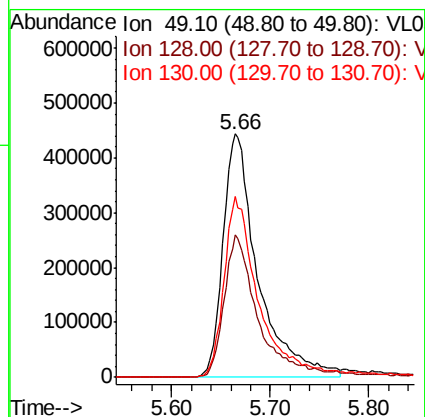
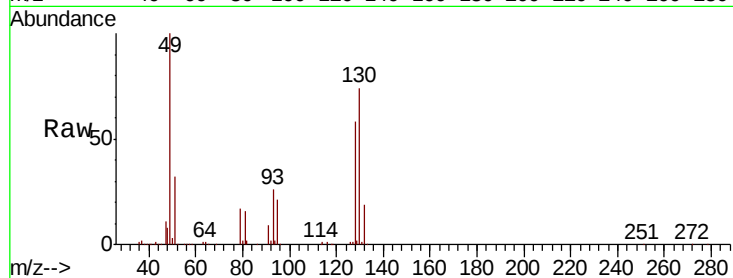




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: VL037304.D
 Acq: 31 Jul 2021 5:18

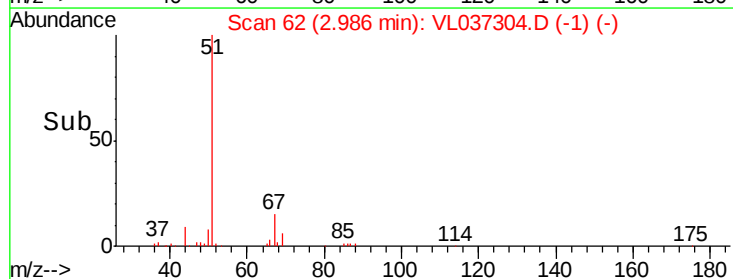
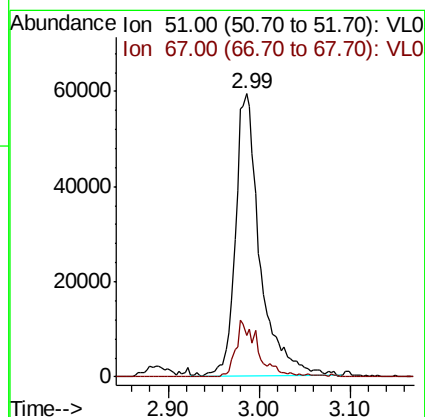
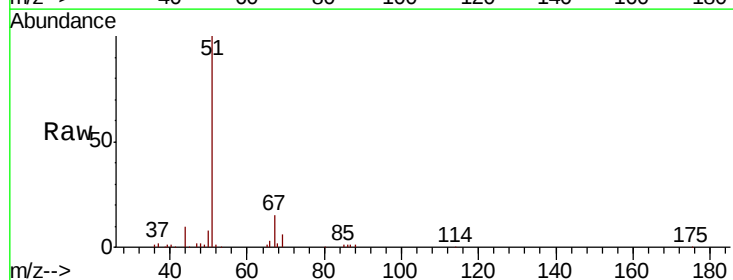
Instrument :
 MSVOA_L
 ClientSampled :

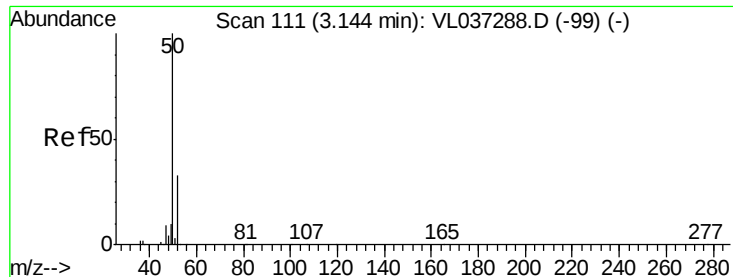
Tot Ion: 49 Resp: 1100886
 Ion Ratio Lower Upper
 49 100
 128 60.0 30.6 92.0
 130 77.1 37.8 113.4



#3
 Chlorodifluoromethane
 Concen: 0.504 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. -0.00 min
 Lab File: VL037304.D
 Acq: 31 Jul 2021 5:18

Tgt Ion: 51 Resp: 111206
 Ion Ratio Lower Upper
 51 100
 67 19.0 15.2 22.8





#4

Chloromethane

Concen: 0.030 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037304.D

Acq: 31 Jul 2021 5:18

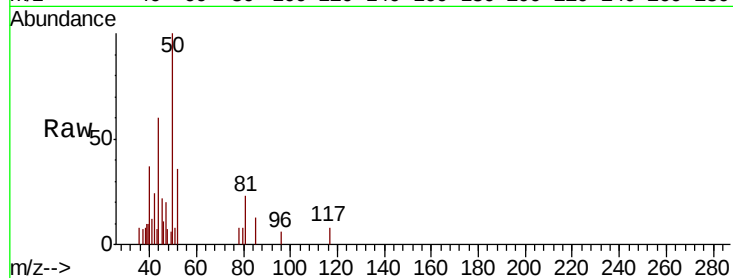
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 50 Resp: 2331

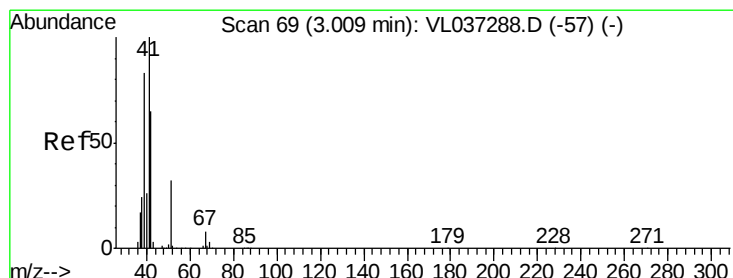
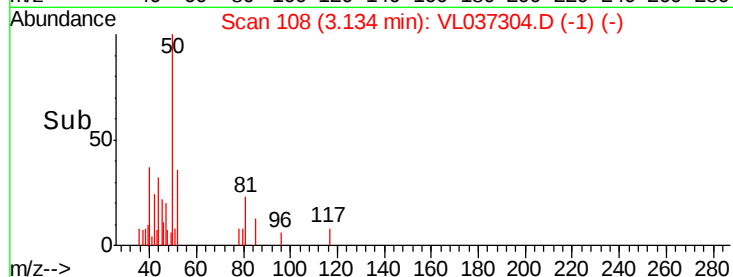
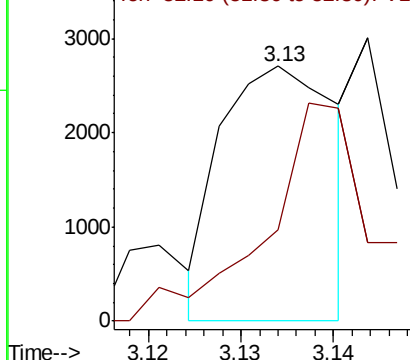
Ion Ratio Lower Upper

50 100

52 33.2 26.2 39.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.063 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037304.D

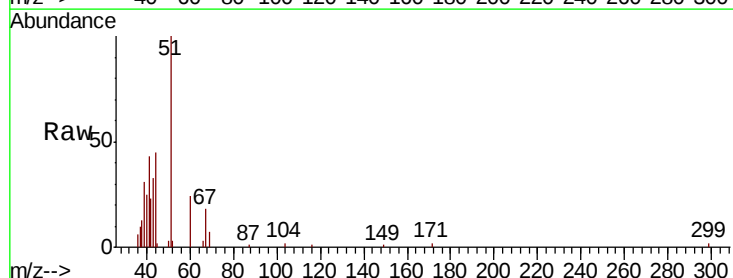
Acq: 31 Jul 2021 5:18

Tgt Ion: 41 Resp: 4693

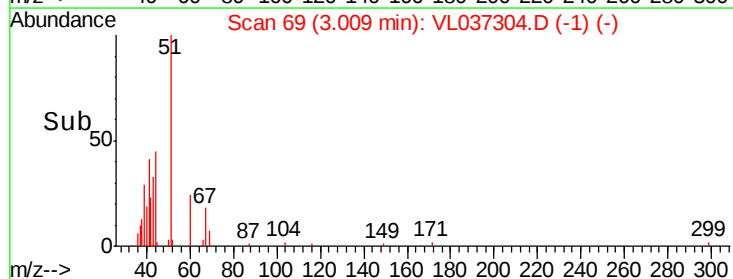
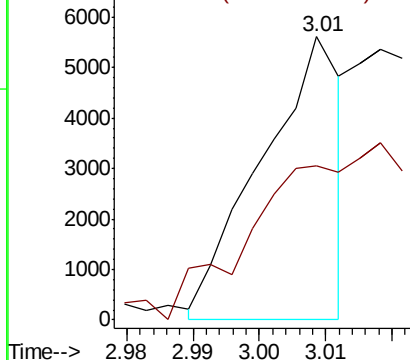
Ion Ratio Lower Upper

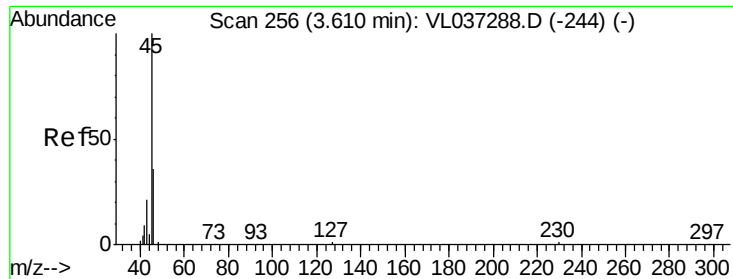
41 100

42 0.0 54.0 81.0#



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





#13

Ethanol

Concen: 2.836 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL037304.D

Acq: 31 Jul 2021 5:18

Instrument :

MSVOA_L

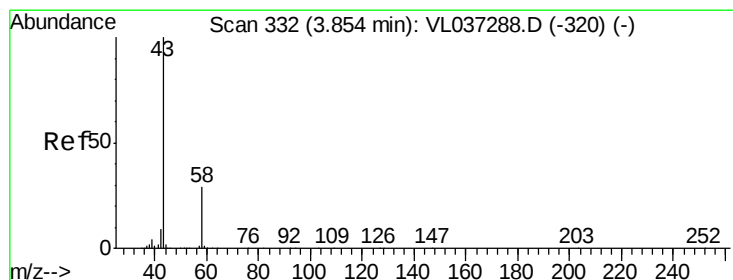
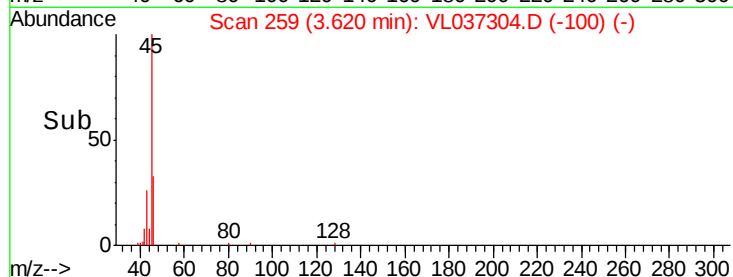
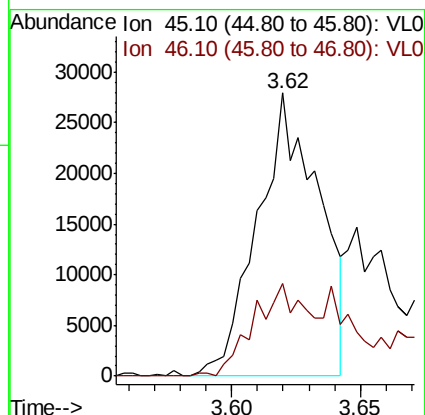
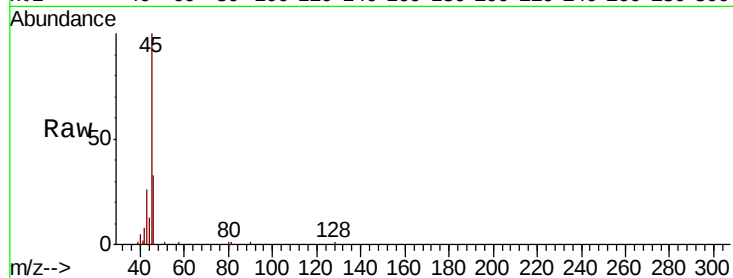
ClientSampled :

Tot Ion: 45 Resp: 46256

Ion Ratio Lower Upper

45 100

46 63.7 16.2 64.8



#15

Acetone

Concen: 0.777 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL037304.D

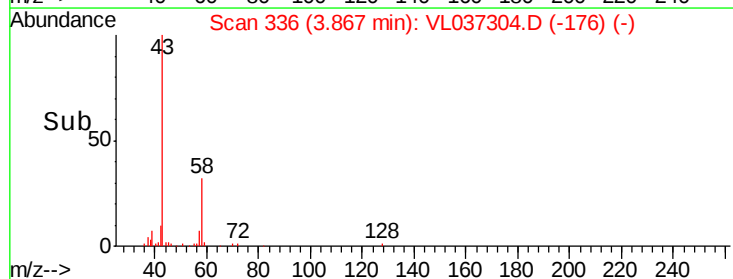
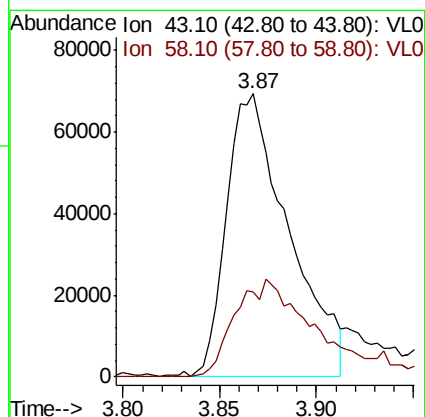
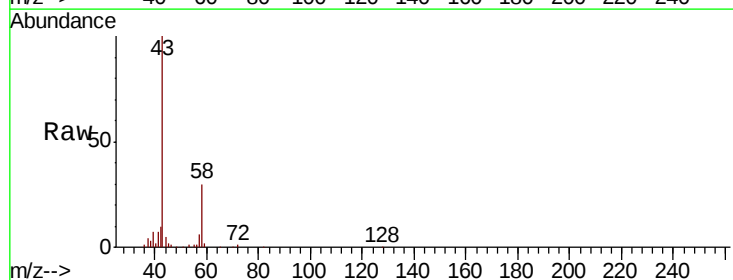
Acq: 31 Jul 2021 5:18

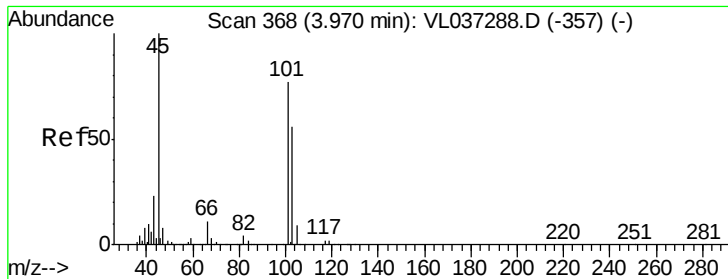
Tgt Ion: 43 Resp: 154018

Ion Ratio Lower Upper

43 100

58 47.3 24.2 36.4#





#19

Isopropyl Alcohol

Concen: 0.359 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.02 min

Lab File: VL037304.D

Acq: 31 Jul 2021 5:18

Instrument :

MSVOA_L

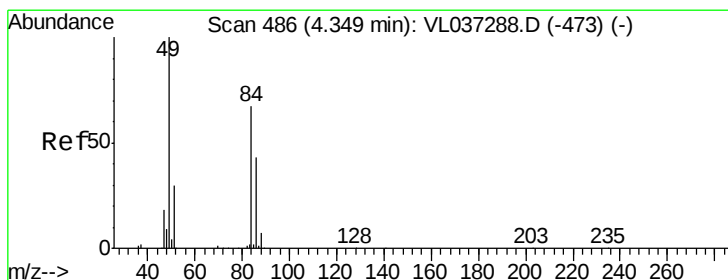
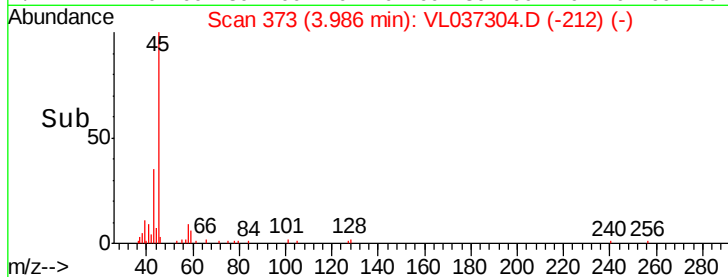
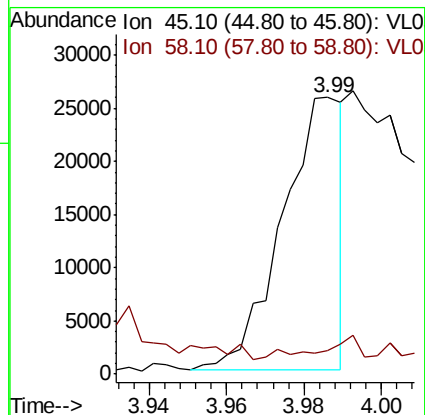
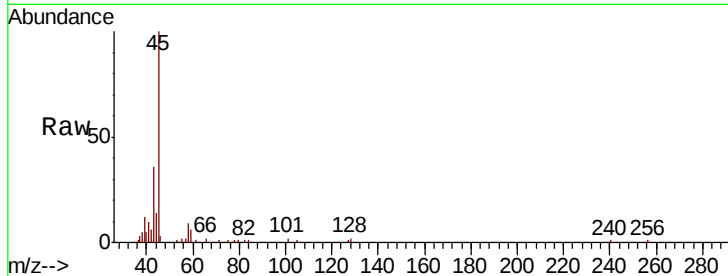
ClientSampleId :

Tot Ion: 45 Resp: 27510

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.2#



#20

Methylene Chloride

Concen: 0.459 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037304.D

Acq: 31 Jul 2021 5:18

Tgt Ion: 84 Resp: 35222

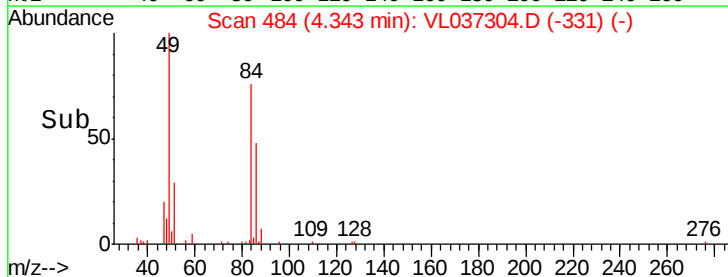
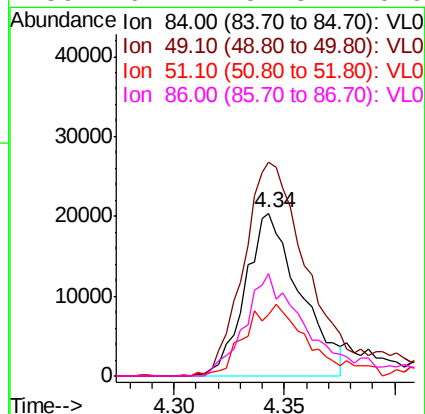
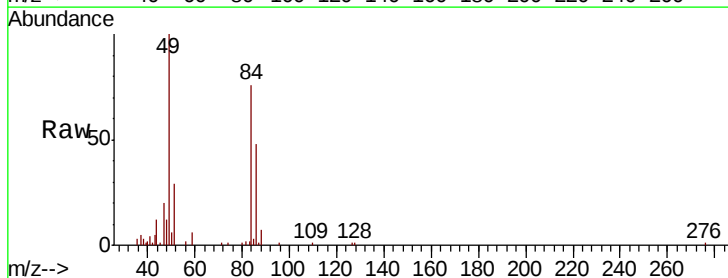
Ion Ratio Lower Upper

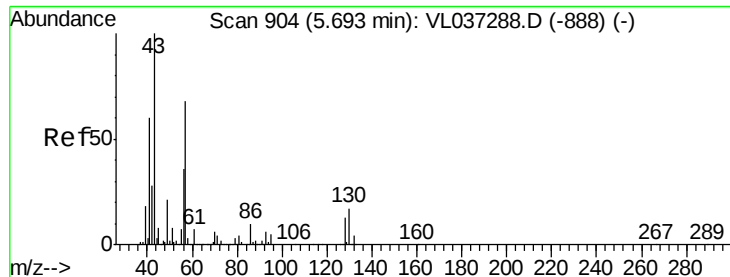
84 100

49 131.2 120.2 180.4

51 37.7 36.5 54.7

86 62.7 51.3 76.9





#26

Hexane

Concen: 0.061 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL037304.D

Acq: 31 Jul 2021 5:18

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 9394

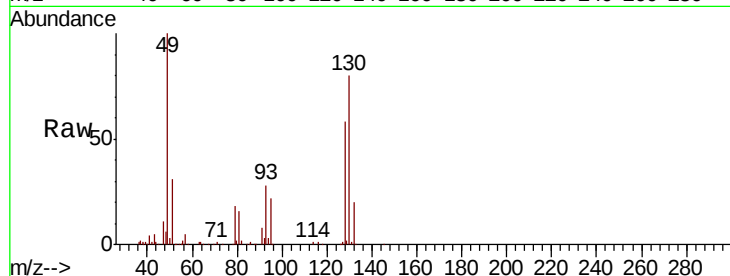
Ion Ratio Lower Upper

57 100

41 157.0 71.0 106.6#

43 157.3 155.0 232.4

56 86.7 42.0 63.0#

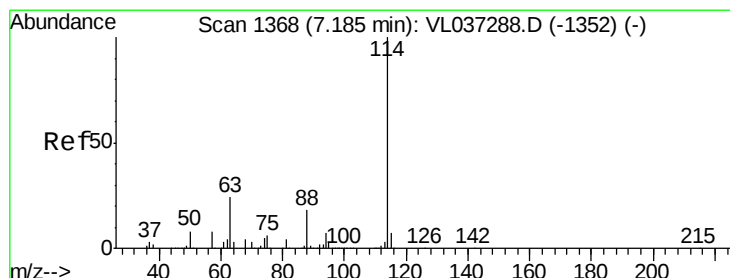
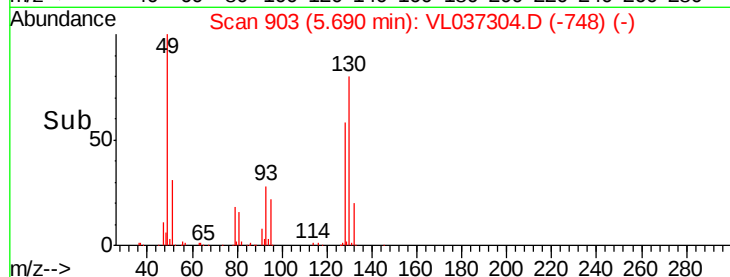
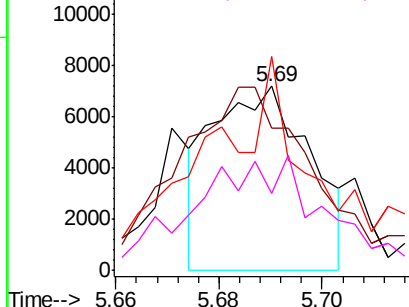


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 7.17 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VL037304.D

Acq: 31 Jul 2021 5:18

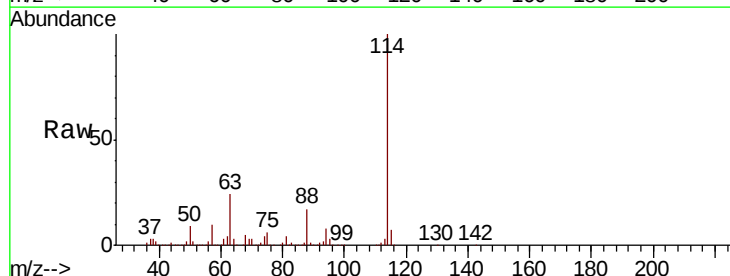
Tgt Ion:114 Resp: 3342380

Ion Ratio Lower Upper

114 100

63 23.7 19.0 28.4

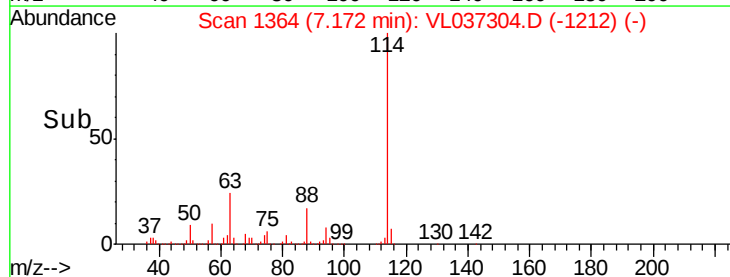
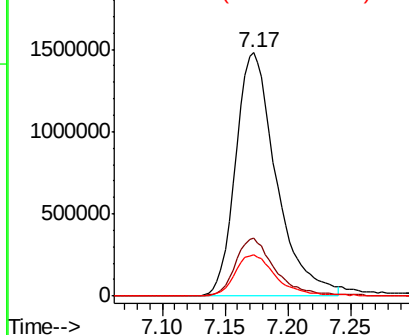
88 17.8 14.0 21.0

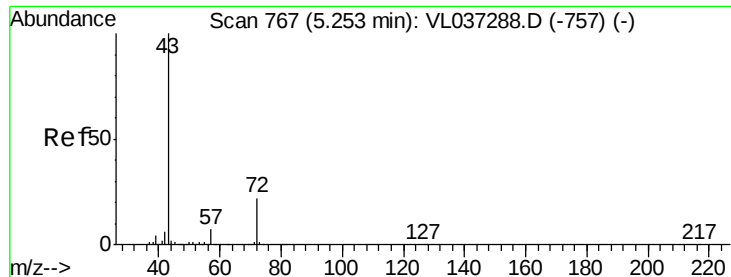


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

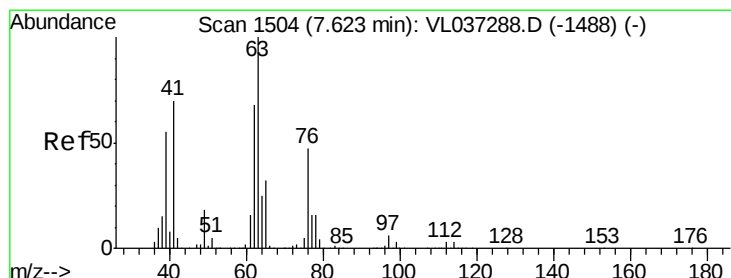
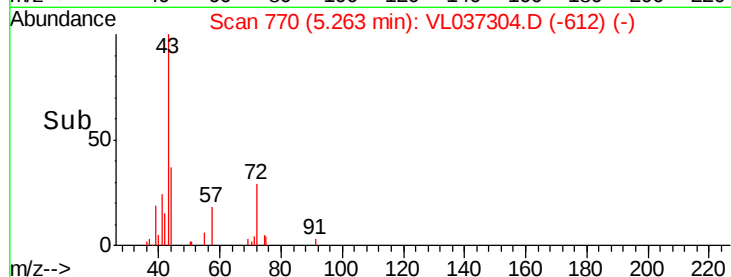
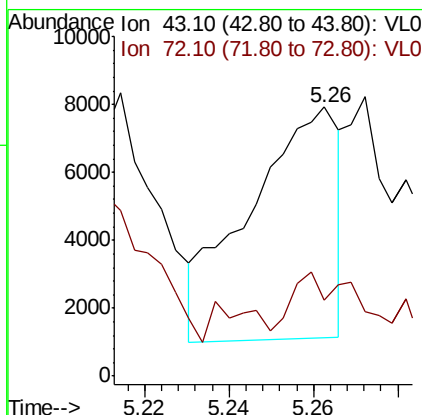
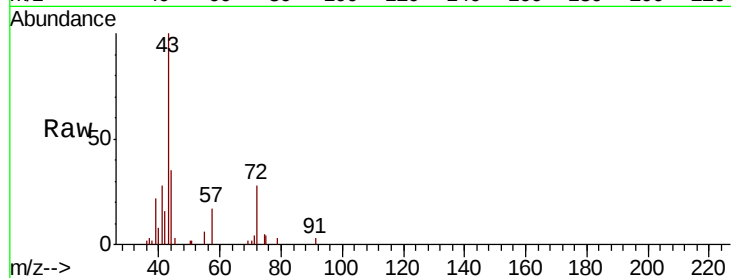




#34
2-Butanone
Concen: 0.070 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.01 min
Lab File: VL037304.D
Acq: 31 Jul 2021 5:18

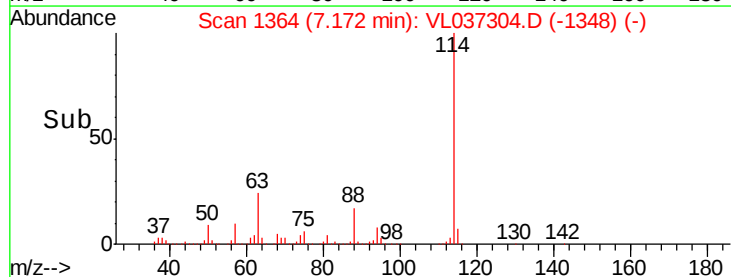
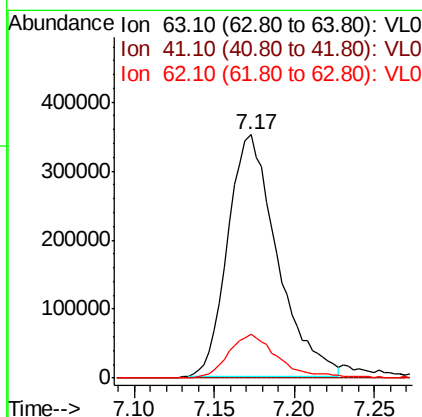
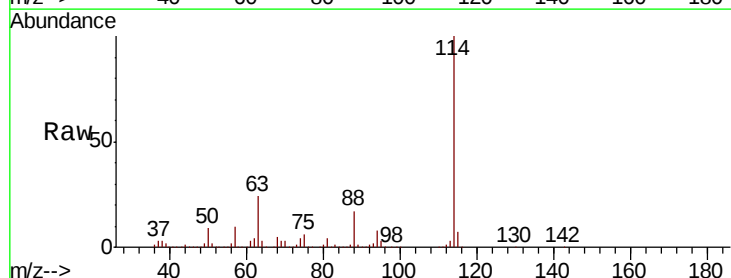
Instrument :
MSVOA_L
ClientSampleId :

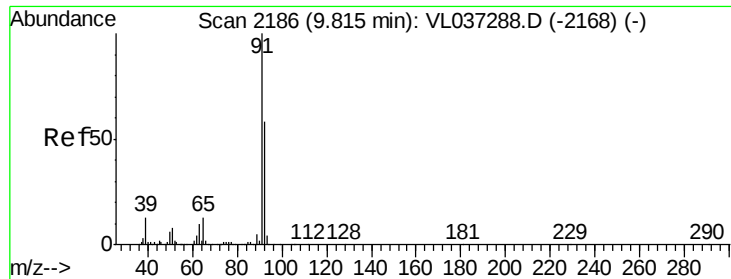
Tot Ion: 43 Resp: 10044
Ion Ratio Lower Upper
43 100
72 63.1 18.5 27.7#



#39
1,2-Dichloropropane
Concen: 6.979 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.45 min
Lab File: VL037304.D
Acq: 31 Jul 2021 5:18

Tgt Ion: 63 Resp: 742720
Ion Ratio Lower Upper
63 100
41 0.2 56.4 84.6#
62 17.8 54.6 82.0#





#53

Toluene

Concen: 0.038 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.02 min

Lab File: VL037304.D

Acq: 31 Jul 2021 5:18

Instrument :

MSVOA_L

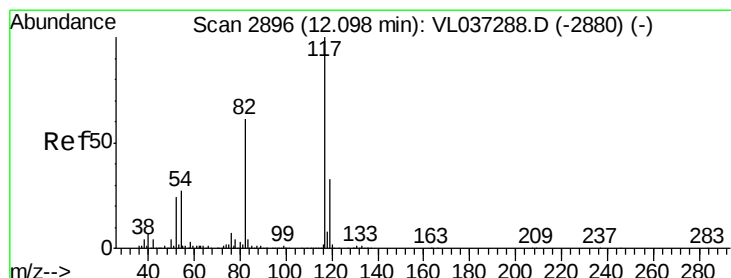
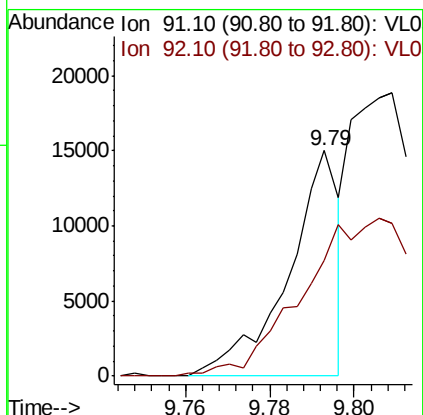
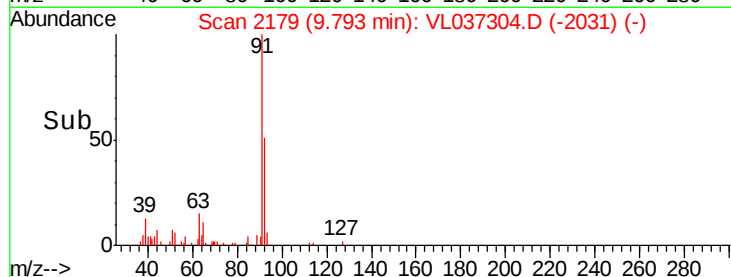
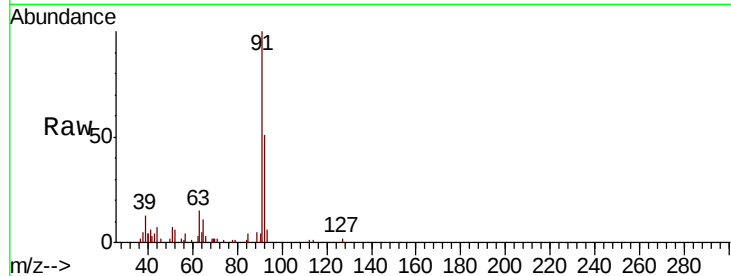
ClientSampleId :

Tot Ion: 91 Resp: 12653

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL037304.D

Acq: 31 Jul 2021 5:18

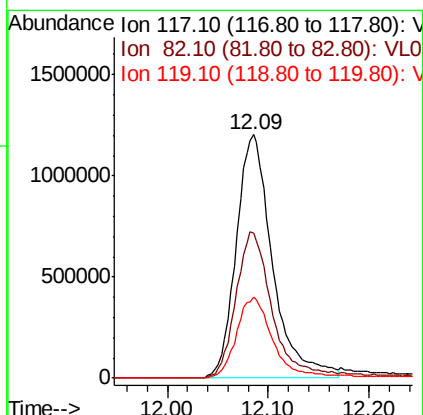
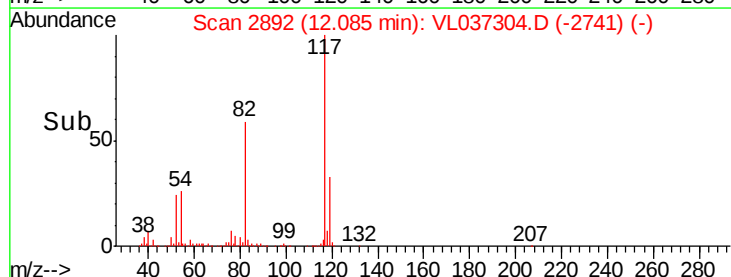
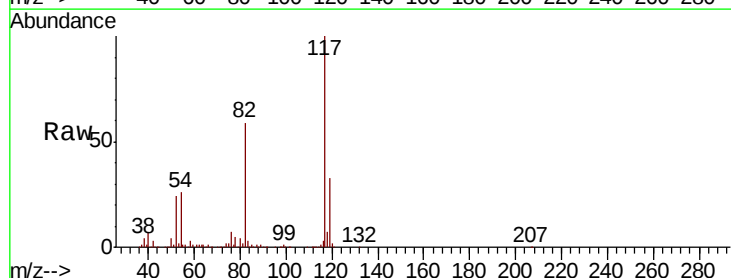
Tgt Ion: 117 Resp: 3011782

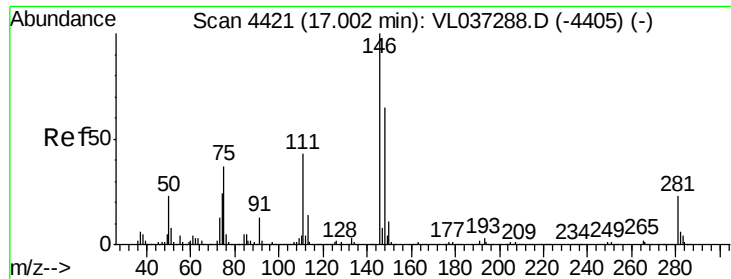
Ion Ratio Lower Upper

117 100

82 62.9 47.2 70.8

119 34.8 45.8 68.8#

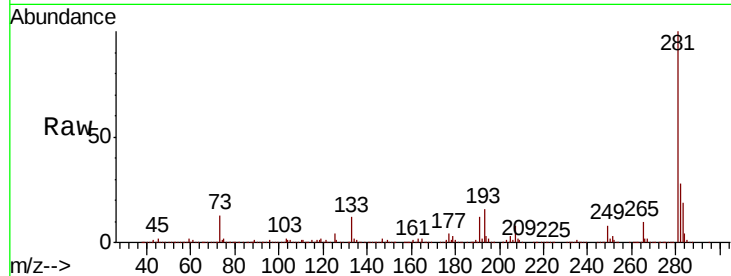




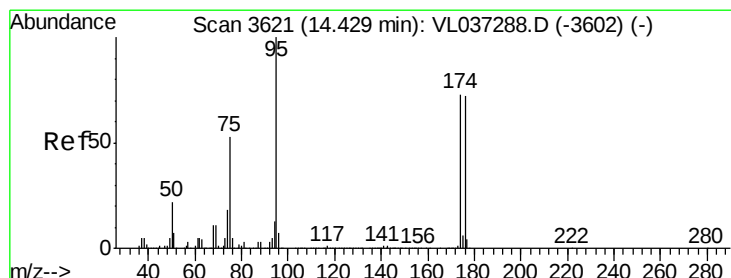
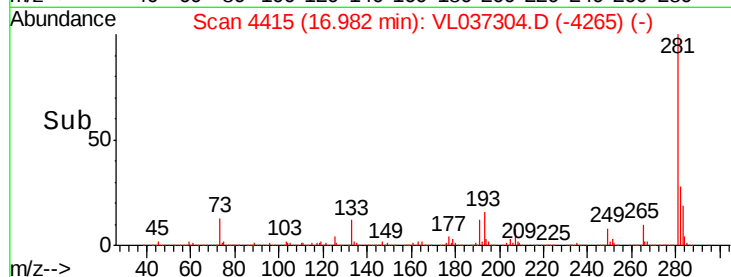
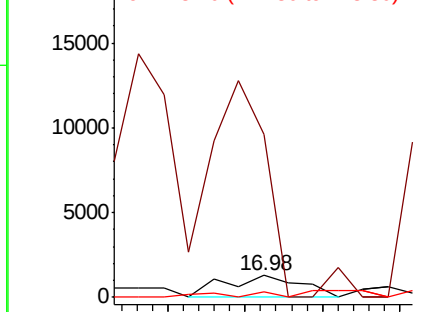
#66
Benzyl Chloride
Concen: 0.041 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.02 min
Lab File: VL037304.D
Acq: 31 Jul 2021 5:18

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 91 Resp: 895
Ion Ratio Lower Upper
91 100
126 0.0 15.4 23.0#
128 0.0 5.0 7.4#

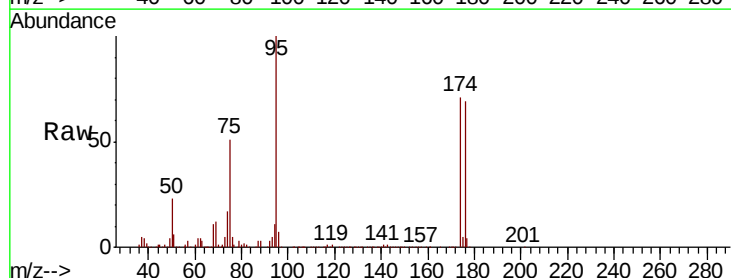


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.332 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. -0.02 min
Lab File: VL037304.D
Acq: 31 Jul 2021 5:18

Tgt Ion: 95 Resp: 2044757
Ion Ratio Lower Upper
95 100
174 82.4 59.8 89.6
175 6.0 4.5 6.7



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

