

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070221\
 Data File : VL037271.D
 Acq On : 2 Jul 2021 12:32
 Operator : SY/AP
 Sample : M2911-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1

Quant Time: Jul 03 07:16:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1259517	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3646752	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3230146	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2449084	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

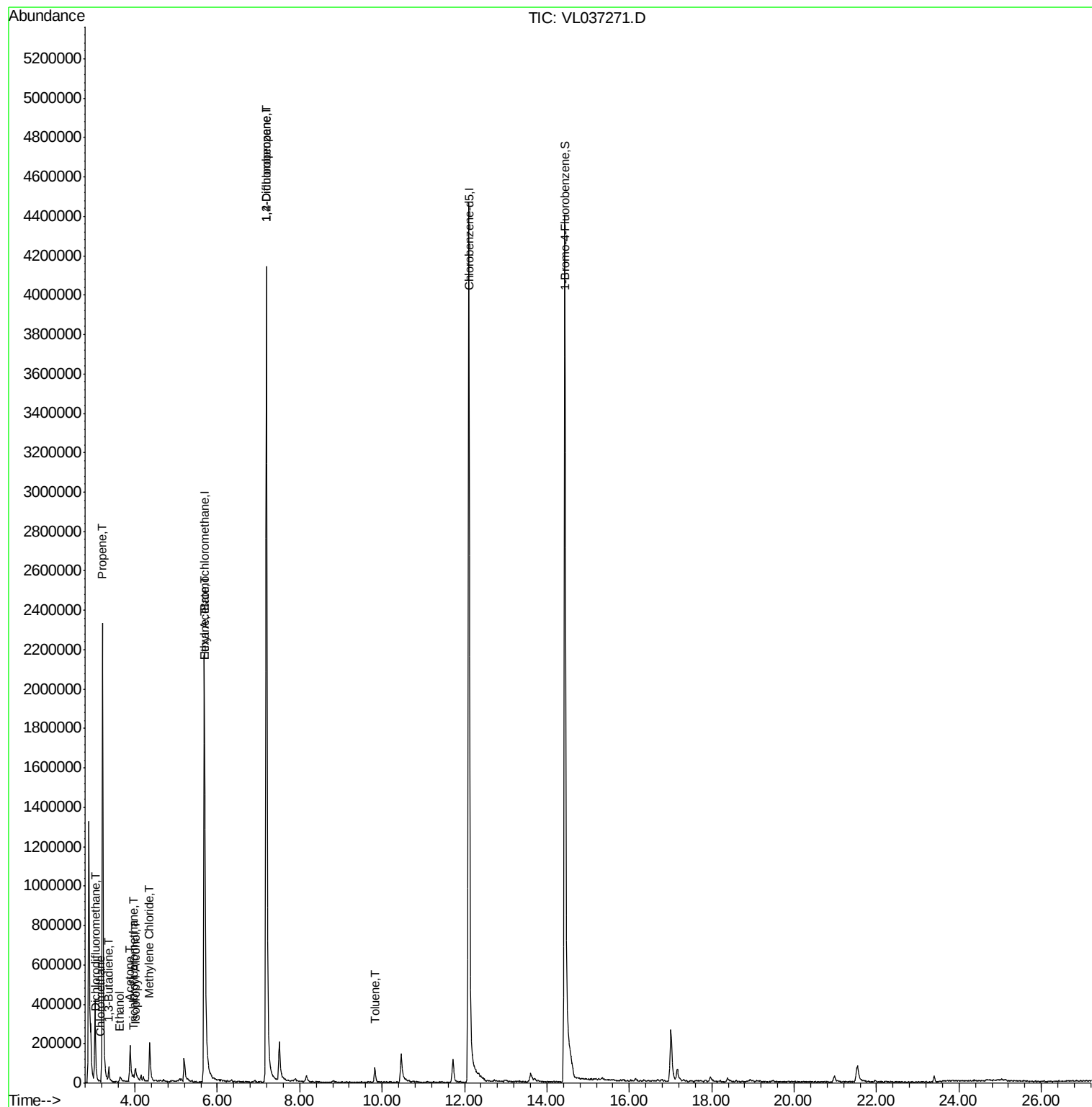
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	13695	0.063	ppbv	91
4) Chloromethane	3.15	50	3283	0.040	ppbv	91
9) Propene	3.21	41	927806	11.848	ppbv	91
11) Trichlorofluoromethane	3.96	101	7652	0.033	ppbv	91
13) Ethanol	3.64	45	17812	1.470	ppbv	81
15) Acetone	3.88	43	184760	1.301	ppbv #	74
16) 1,3-Butadiene	3.36	39	6822	0.081	ppbv #	32
19) Isopropyl Alcohol	4.01	45	45999	0.535	ppbv #	91
20) Methylene Chloride	4.36	84	77583	0.912	ppbv	93
25) Ethyl Acetate	5.70	43	24450	0.080	ppbv #	84
26) Hexane	5.70	57	47941	0.308	ppbv #	55
39) 1,2-Dichloropropane	7.19	63	885911	8.085	ppbv #	23
53) Toluene	9.83	91	59386	0.169	ppbv	98

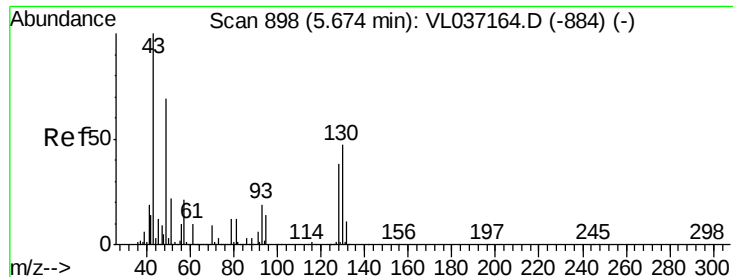
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070221\
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Instrument :
MSVOA_L
ClientSampled :
1

Quant Time: Jul 03 07:16:50 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :
MSVOA_L
ClientSampled :
1

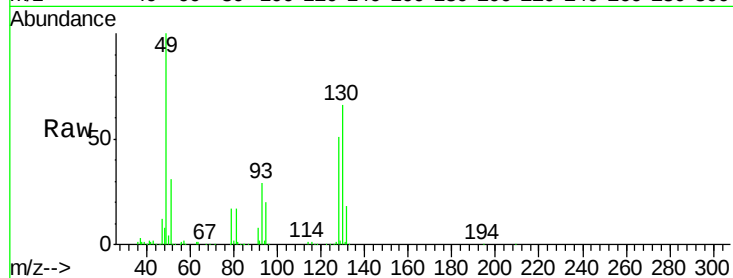
Tgt Ion: 49 Resp: 1259517

Ion Ratio Lower Upper

49 100

128 55.5 29.3 88.0

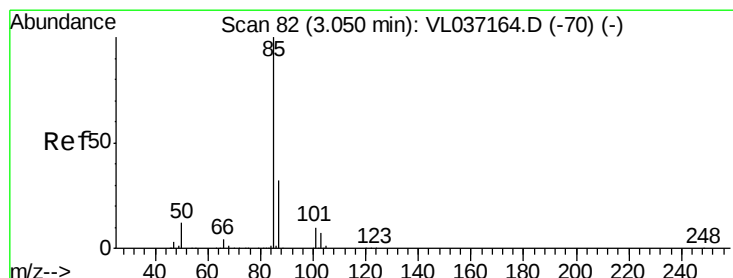
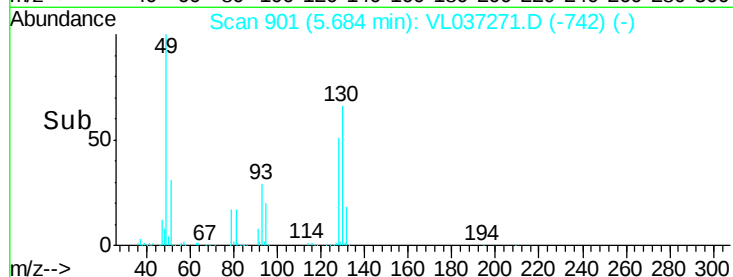
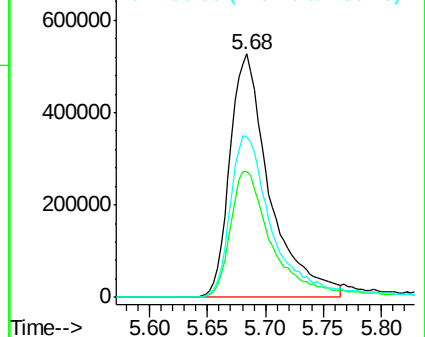
130 73.0 35.9 107.8



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: 0.063 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL037271.D

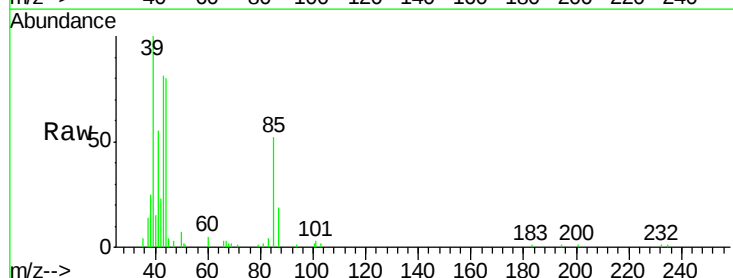
Acq: 2 Jul 2021 12:32

Tgt Ion: 85 Resp: 13695

Ion Ratio Lower Upper

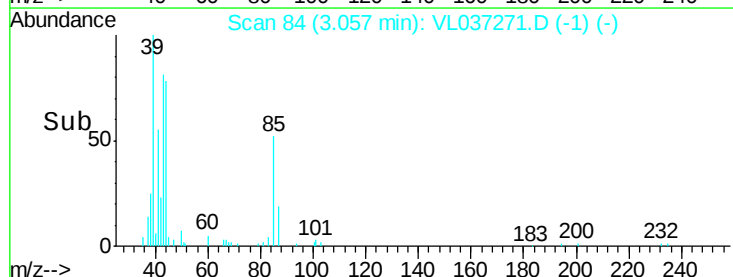
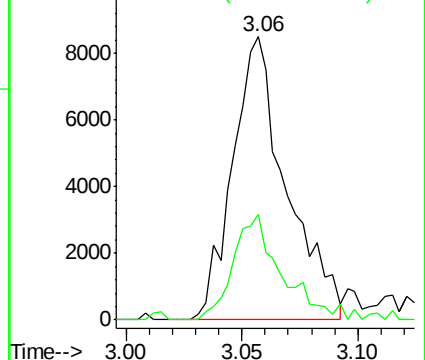
85 100

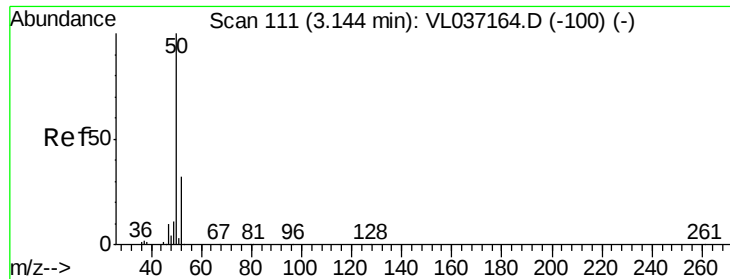
87 37.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.040 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

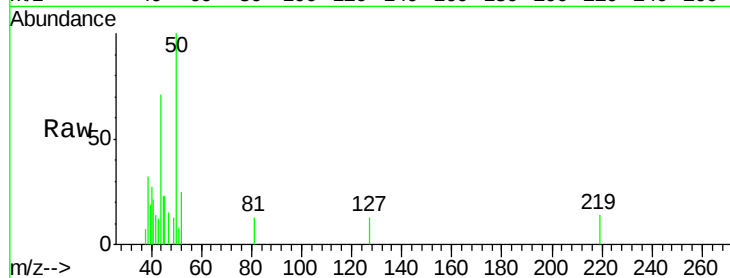
1

Tgt Ion: 50 Resp: 3283

Ion Ratio Lower Upper

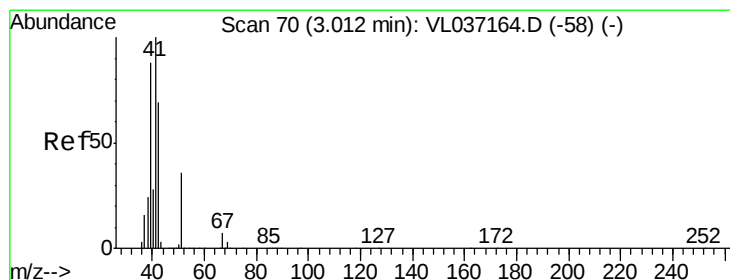
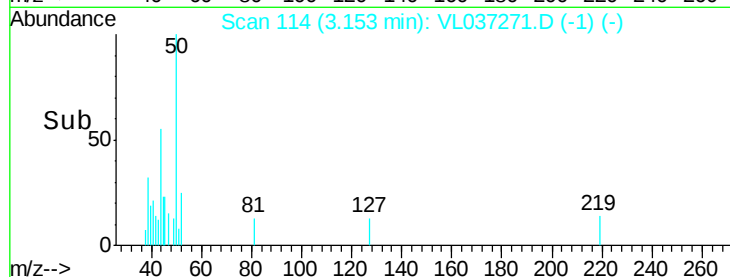
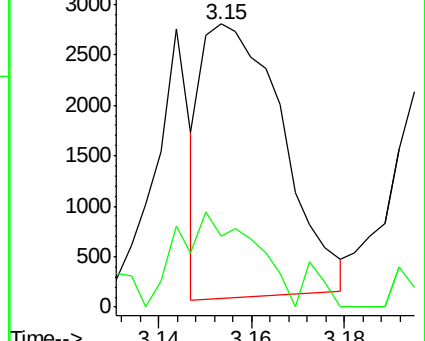
50 100

52 27.5 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 11.848 ppbv

RT: 3.21 min Scan# 133

Delta R.T. 0.20 min

Lab File: VL037271.D

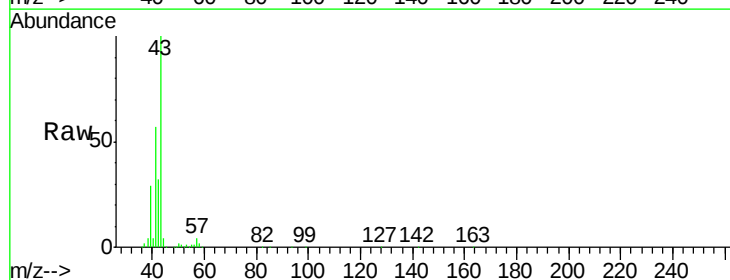
Acq: 2 Jul 2021 12:32

Tgt Ion: 41 Resp: 927806

Ion Ratio Lower Upper

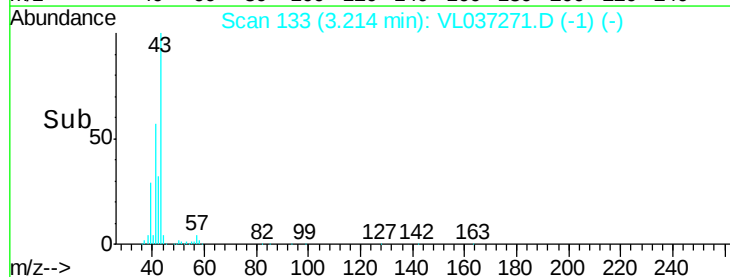
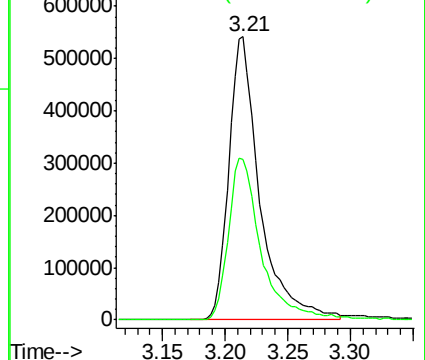
41 100

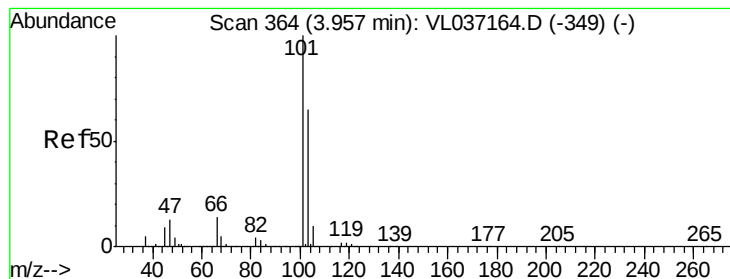
42 60.8 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.033 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :

MSVOA_L

ClientSampled :

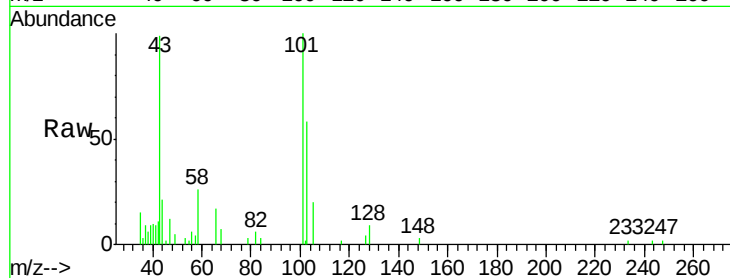
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Tgt Ion:101 Resp: 7652

Ion Ratio Lower Upper

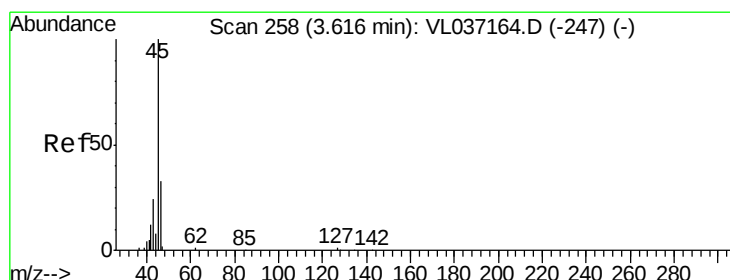
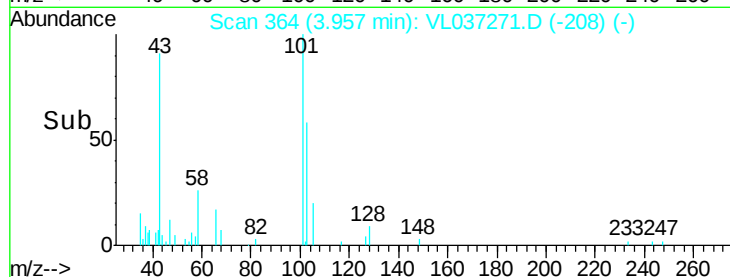
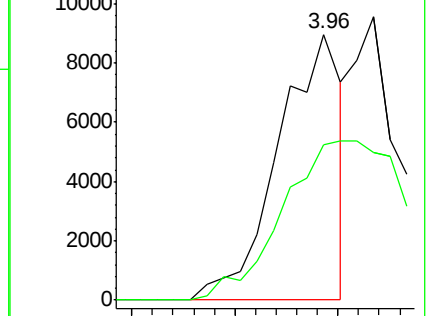
101 100

103 58.3 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 1.470 ppbv

RT: 3.64 min Scan# 264

Delta R.T. 0.02 min

Lab File: VL037271.D

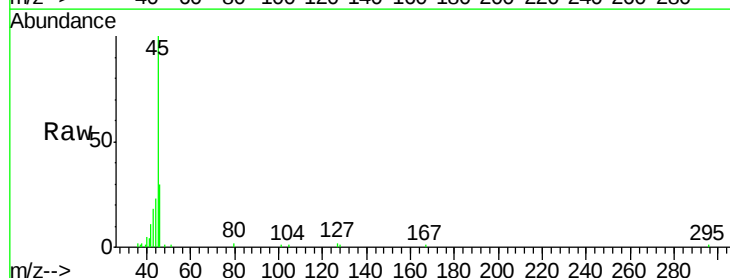
Acq: 2 Jul 2021 12:32

Tgt Ion: 45 Resp: 17812

Ion Ratio Lower Upper

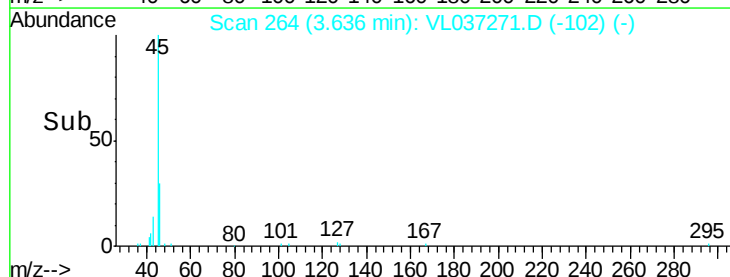
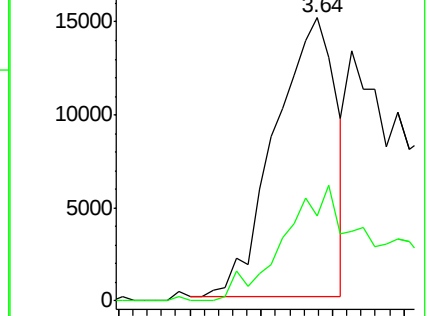
45 100

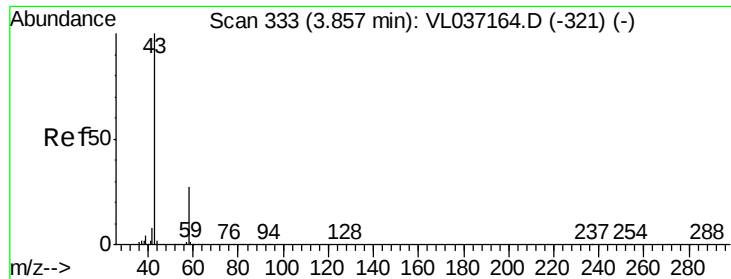
46 102.7 34.2 137.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

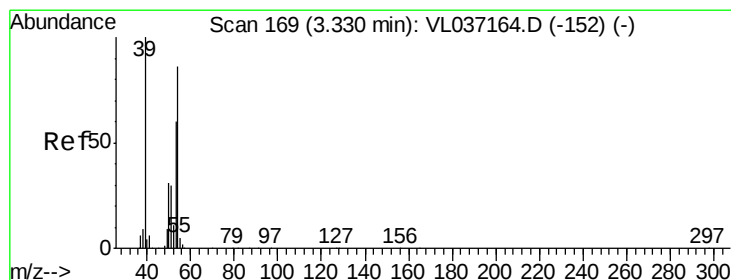
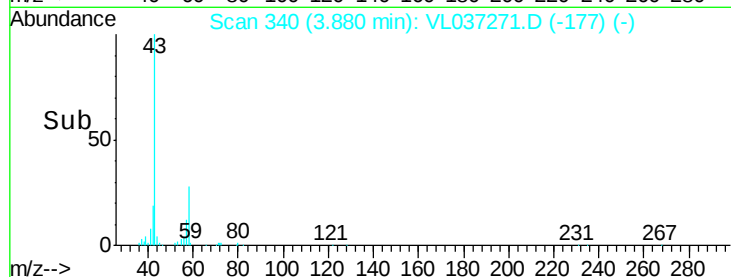
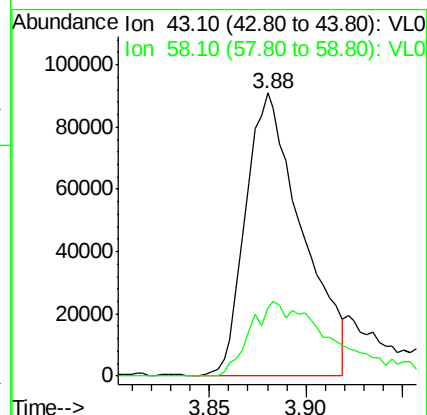
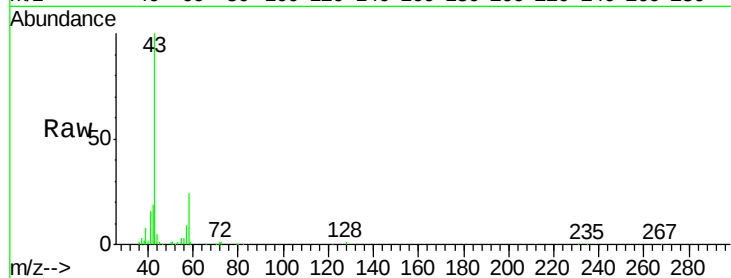




#15
Acetone
Concen: 1.301 ppbv
RT: 3.88 min Scan# 340
Delta R.T. 0.02 min
Lab File: VL037271.D
Acq: 2 Jul 2021 12:32

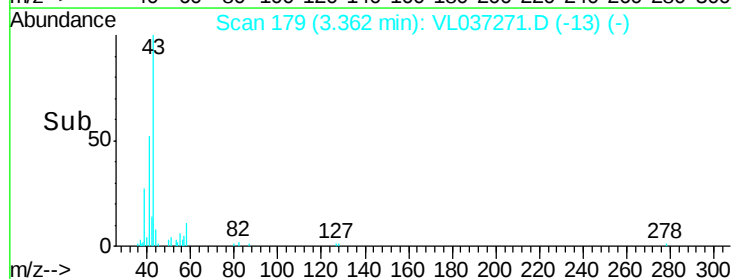
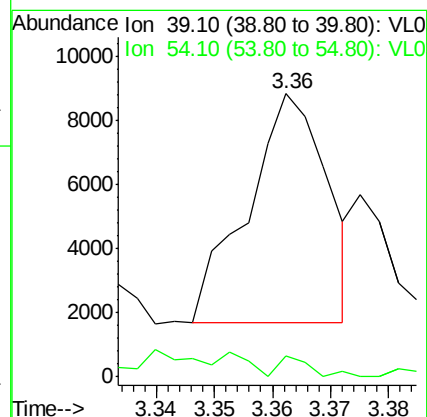
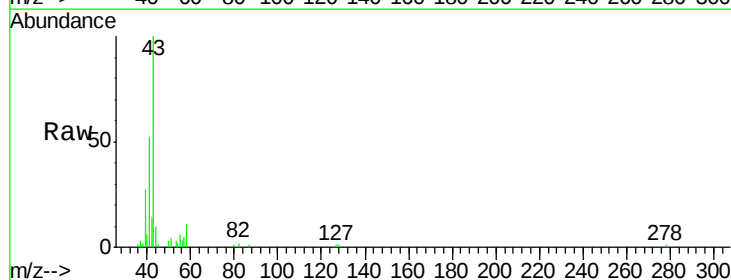
Instrument :
MSVOA_L
ClientSampleId :
1

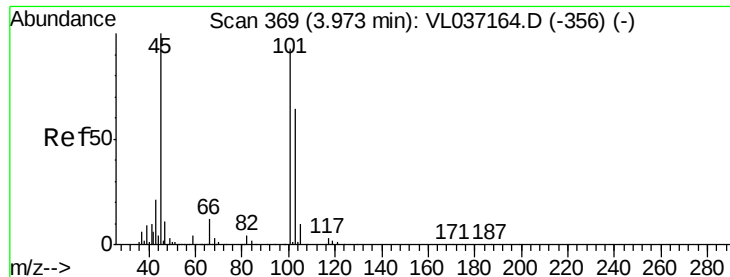
Tgt Ion: 43 Resp: 184760
Ion Ratio Lower Upper
43 100
58 43.5 23.7 35.5#



#16
1,3-Butadiene
Concen: 0.081 ppbv
RT: 3.36 min Scan# 179
Delta R.T. 0.03 min
Lab File: VL037271.D
Acq: 2 Jul 2021 12:32

Tgt Ion: 39 Resp: 6822
Ion Ratio Lower Upper
39 100
54 18.3 61.2 91.8#





#19

Isopropyl Alcohol

Concen: 0.535 ppbv

RT: 4.01 min Scan# 380

Delta R.T. 0.04 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

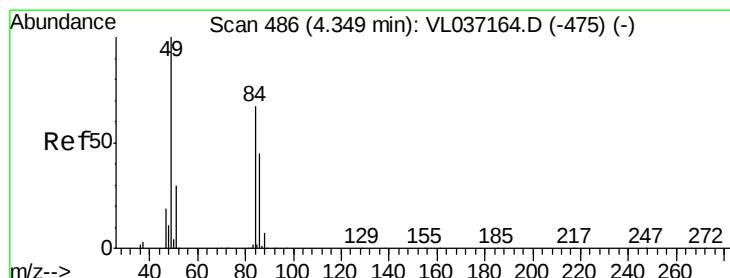
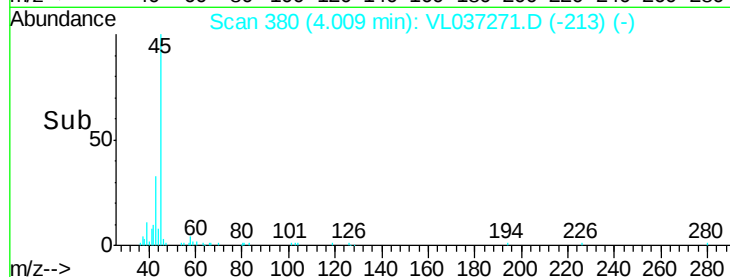
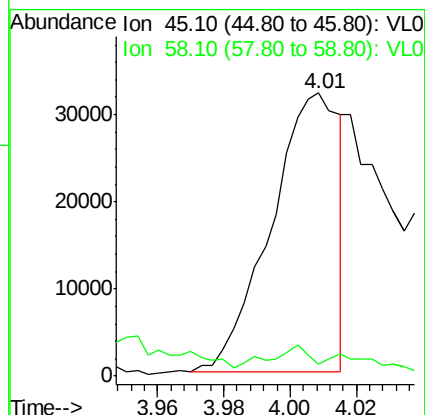
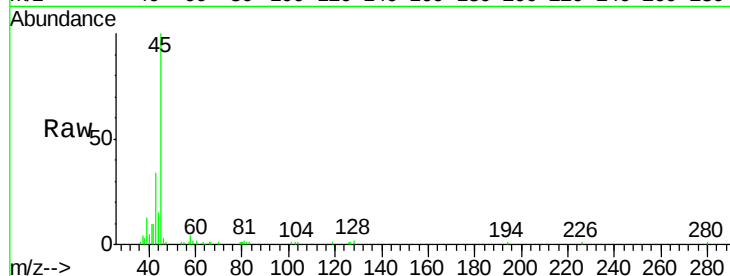
1

Tgt Ion: 45 Resp: 45999

Ion Ratio Lower Upper

45 100

58 0.0 2.4 3.6#



#20

Methylene Chloride

Concen: 0.912 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Tgt Ion: 84 Resp: 77583

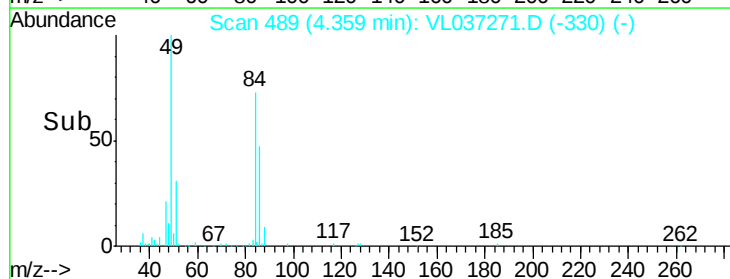
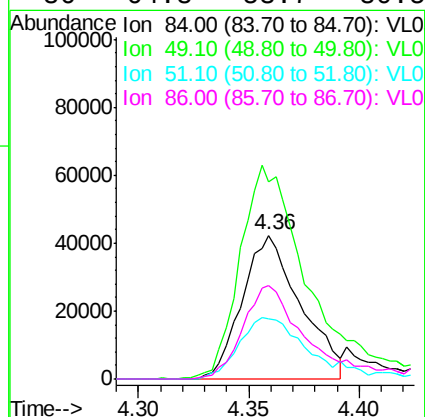
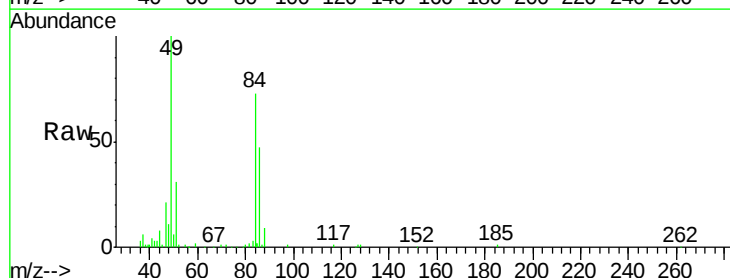
Ion Ratio Lower Upper

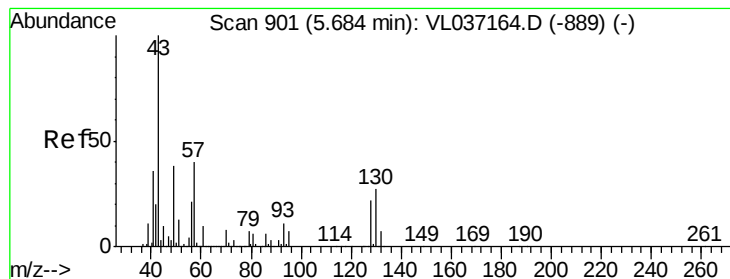
84 100

49 136.7 119.7 179.5

51 42.3 36.1 54.1

86 64.8 53.7 80.5





#25

Ethyl Acetate

Concen: 0.080 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.02 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :
MSVOA_L
ClientSampleId :
1

Tgt Ion: 43 Resp: 24450

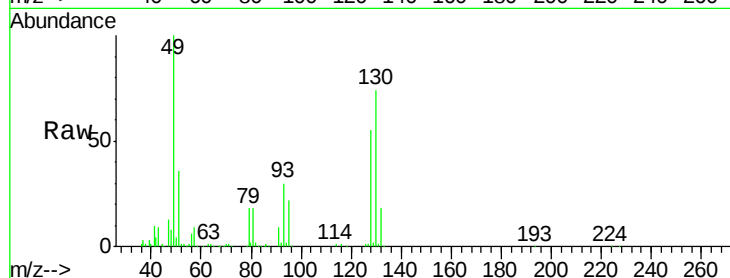
Ion Ratio Lower Upper

43 100

45 0.0 8.0 12.0#

61 8.0 8.1 12.1#

70 11.7 5.5 8.3#

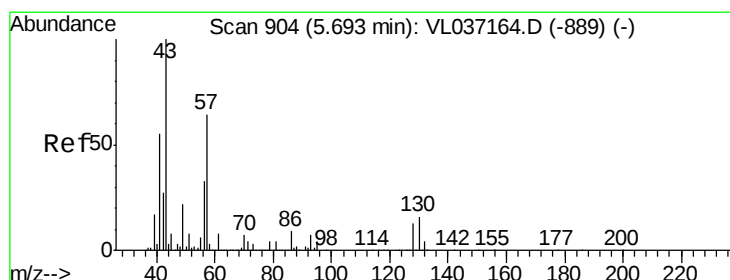
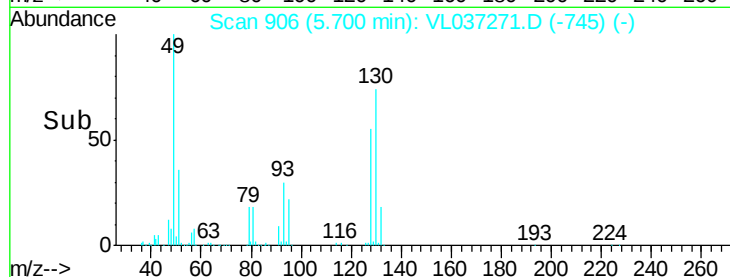
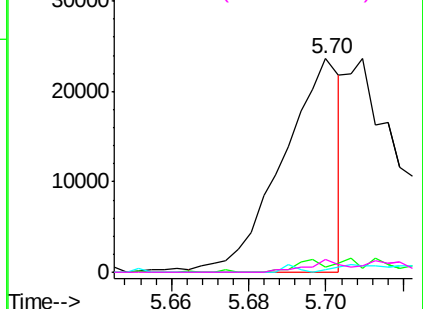


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.308 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Tgt Ion: 57 Resp: 47941

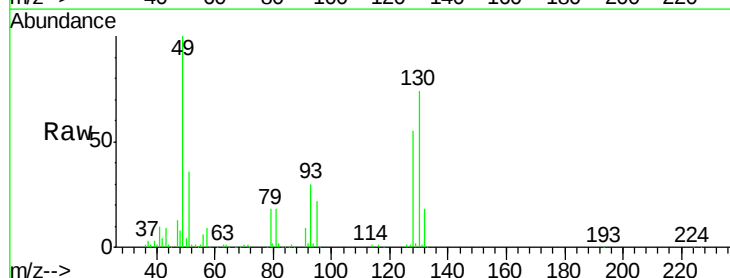
Ion Ratio Lower Upper

57 100

41 114.5 73.5 110.3#

43 114.0 170.7 256.1#

56 60.4 42.4 63.6

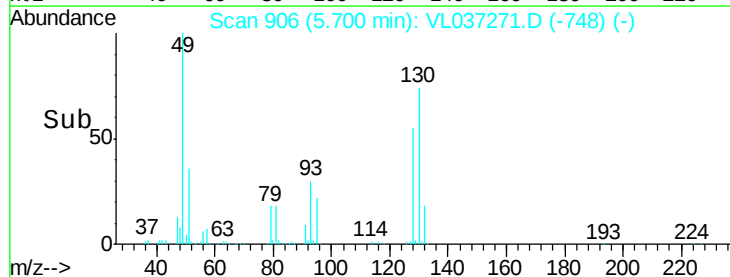
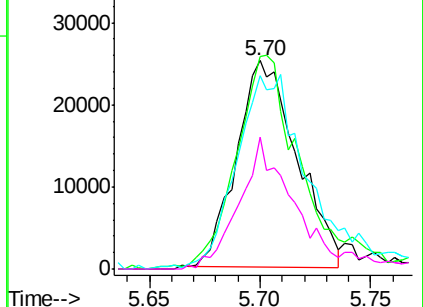


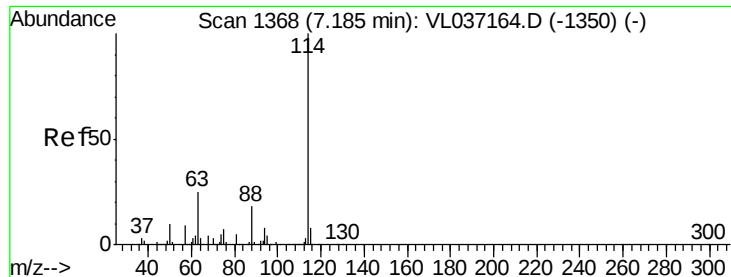
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

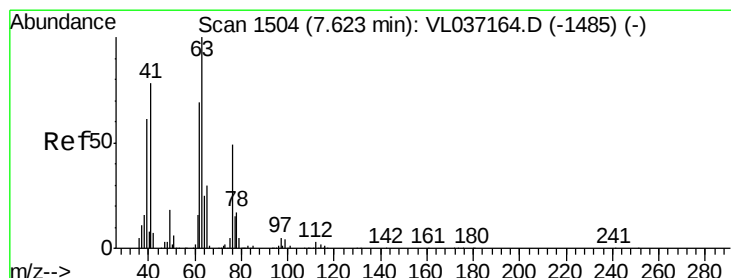
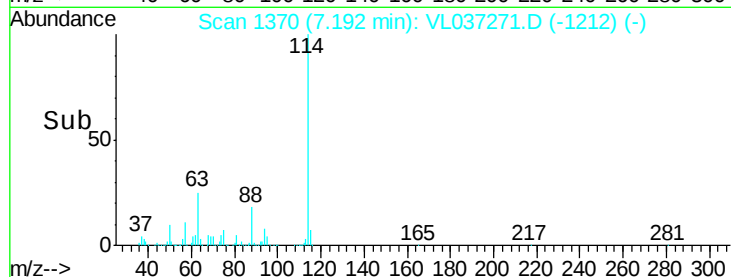
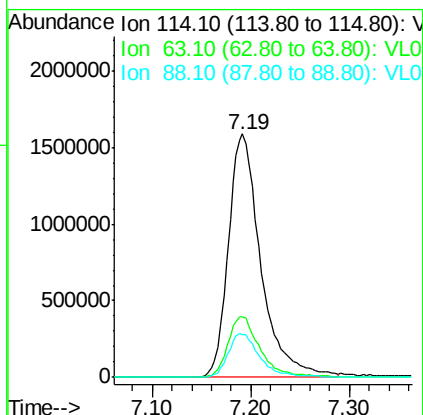
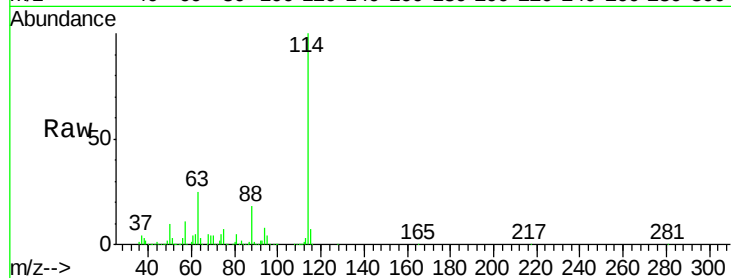




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL037271.D
 Acq: 2 Jul 2021 12:32

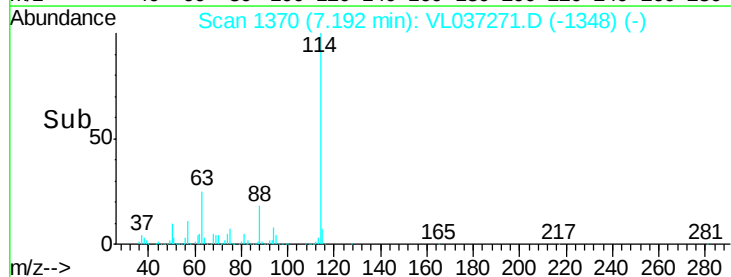
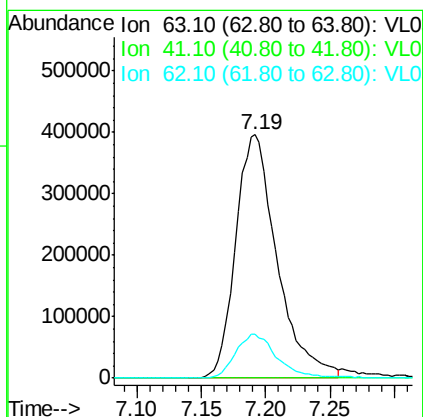
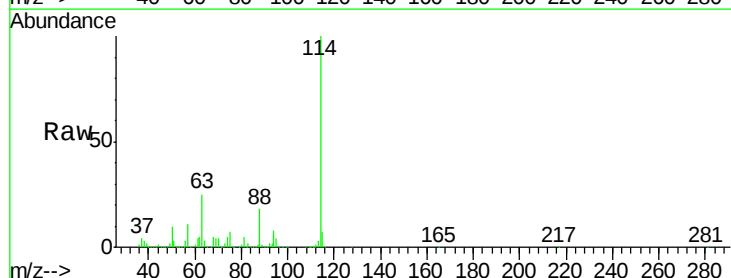
Instrument :
 MSVOA_L
 ClientSampleId :
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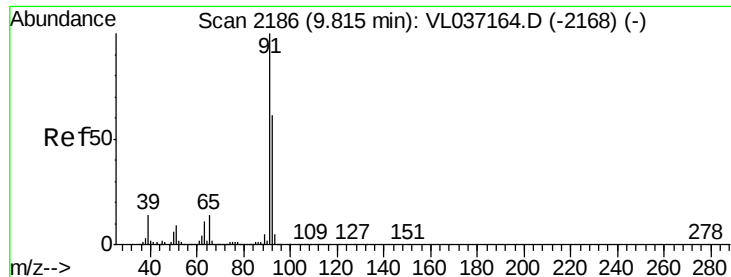
Tgt Ion: 114 Resp: 3646752
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.6 29.4
 88 18.2 14.2 21.2



#39
 1,2-Dichloropropane
 Concen: 8.085 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.43 min
 Lab File: VL037271.D
 Acq: 2 Jul 2021 12:32

Tgt Ion: 63 Resp: 885911
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 18.1 54.9 82.3#





#53

Toluene

Concen: 0.169 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

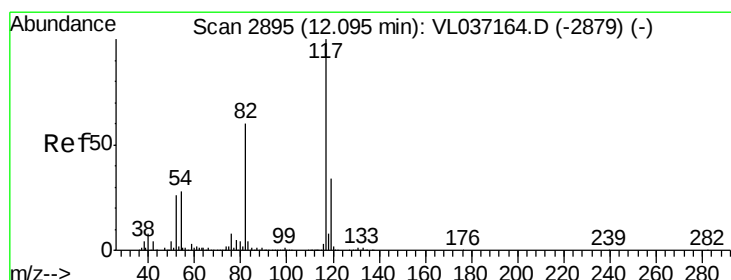
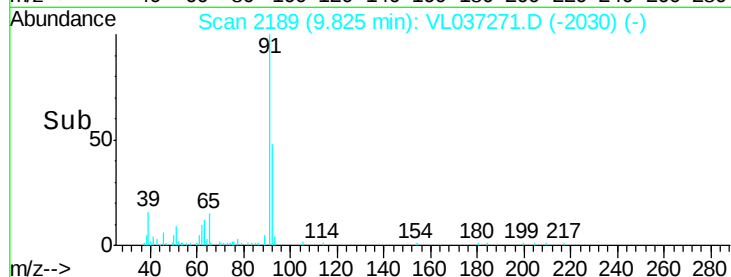
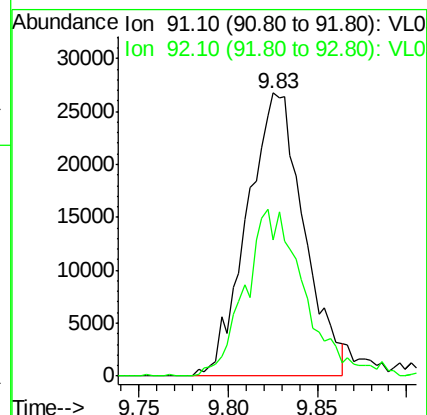
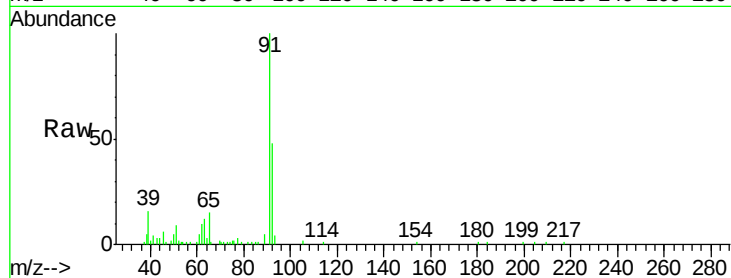
1

Tgt Ion: 91 Resp: 59386

Ion Ratio Lower Upper

91 100

92 61.8 48.3 72.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

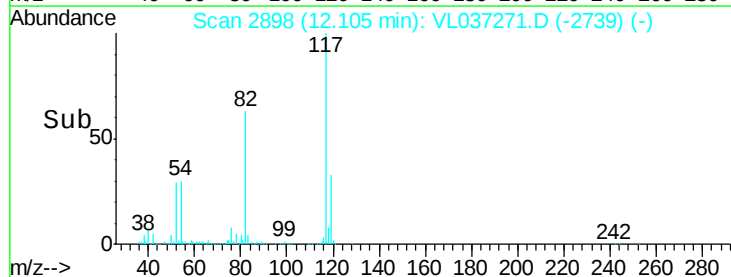
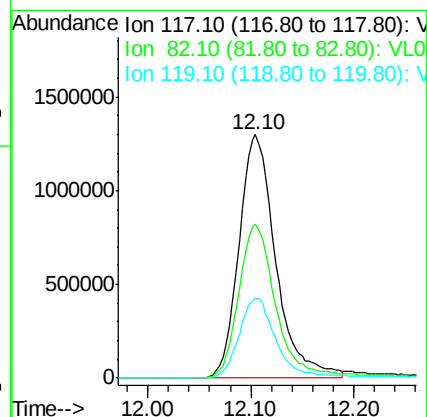
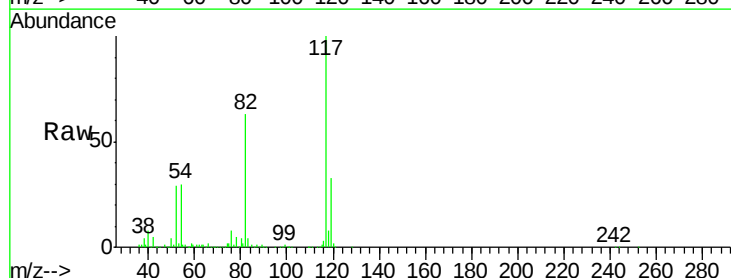
Tgt Ion: 117 Resp: 3230146

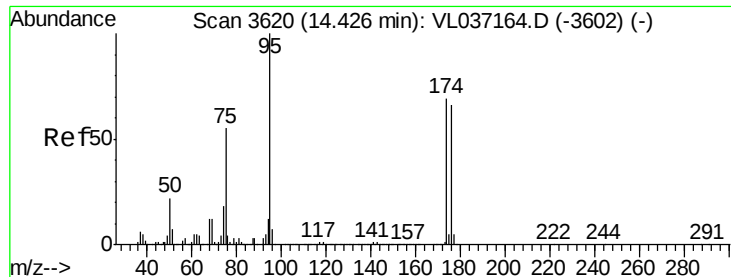
Ion Ratio Lower Upper

117 100

82 64.9 51.7 77.5

119 34.3 47.6 71.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.006 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.01 min

Lab File: VL037271.D

Acq: 2 Jul 2021 12:32

Instrument :

MSVOA_L

ClientSampleId :

1

Tgt Ion: 95 Resp: 2449084

Ion Ratio Lower Upper

95 100

174 73.0 57.0 85.4

175 5.3 4.4 6.6

