

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037255.D
 Acq On : 29 Jun 2021 18:54
 Operator : SY/AP
 Sample : M2887-04DL 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 30 05:22:16 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	5.66	49	1694606	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	4842362	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	4321121	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.41	95	3265641	9.97	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%	

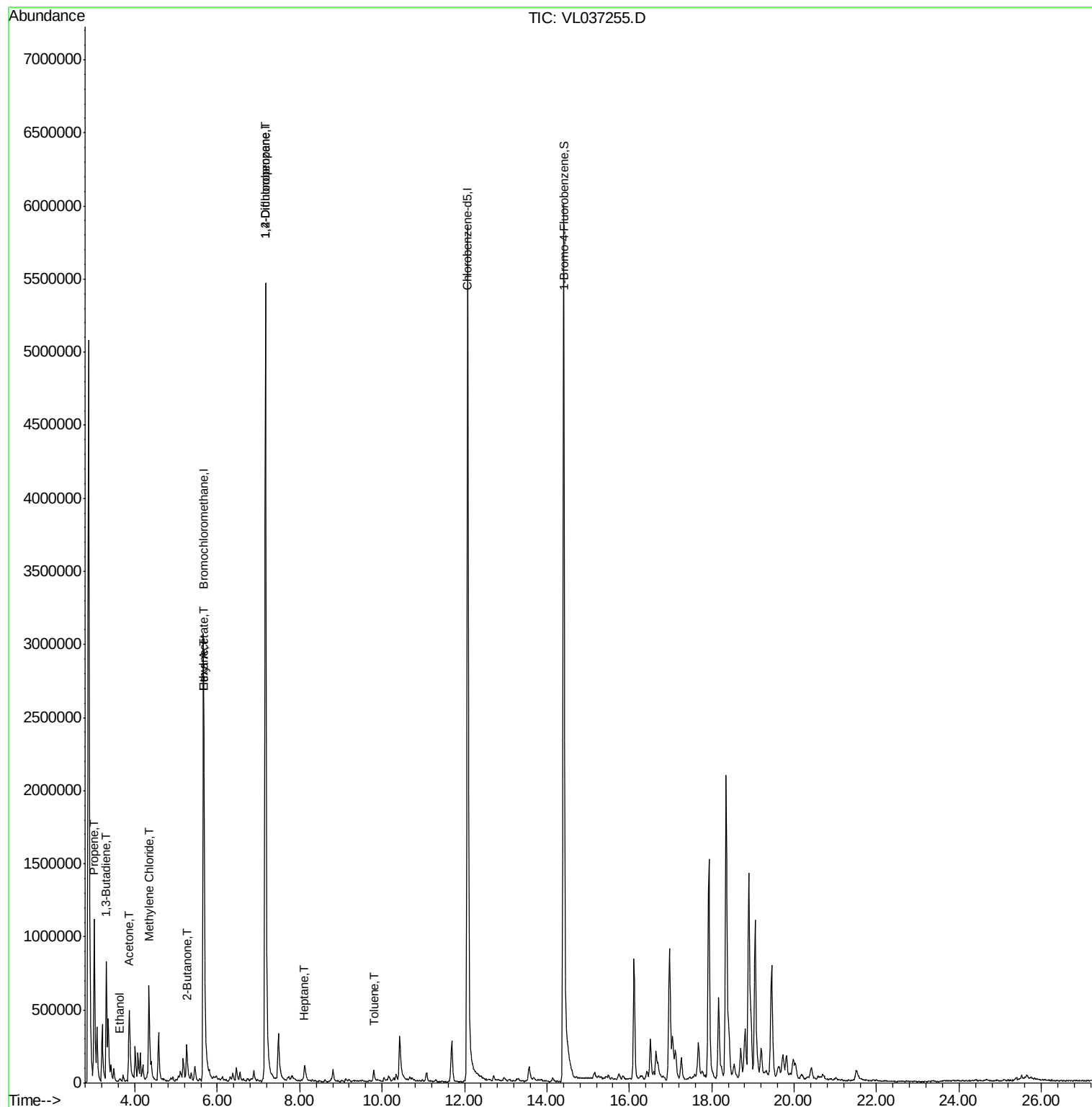
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	611947	5.808	ppbv	94
10) Heptane	8.12	43	27157	0.106	ppbv #	38
13) Ethanol	3.63	45	16065	0.986	ppbv	77
15) Acetone	3.85	43	647413	3.388	ppbv #	89
16) 1,3-Butadiene	3.30	39	289236	2.560	ppbv #	34
20) Methylene Chloride	4.34	84	275499	2.408	ppbv	97
25) Ethyl Acetate	5.68	43	140583	0.340	ppbv #	79
26) Hexane	5.68	57	207128	0.991	ppbv #	46
34) 2-Butanone	5.26	43	368127	1.955	ppbv	96
39) 1,2-Dichloropropane	7.17	63	1185464	8.147	ppbv #	24
53) Toluene	9.80	91	35216	0.075	ppbv #	28

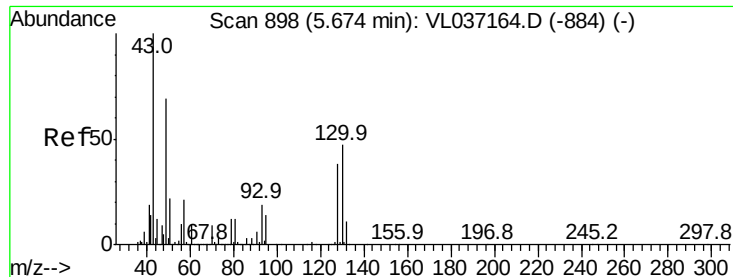
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062921\
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Quant Time: Jun 30 05:22:16 2021
Quant Method : Z:\V0ASRV\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

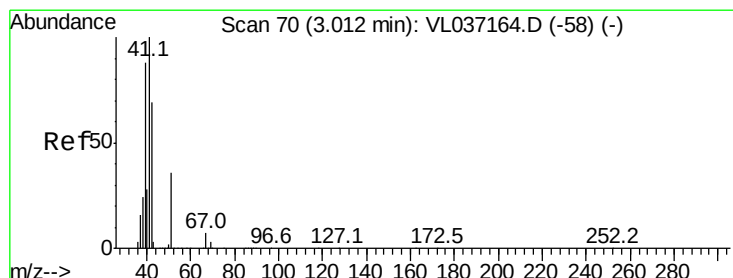
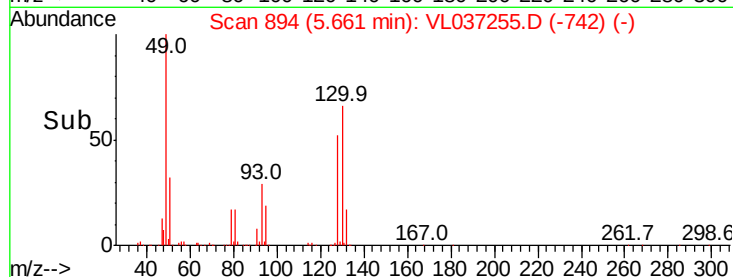
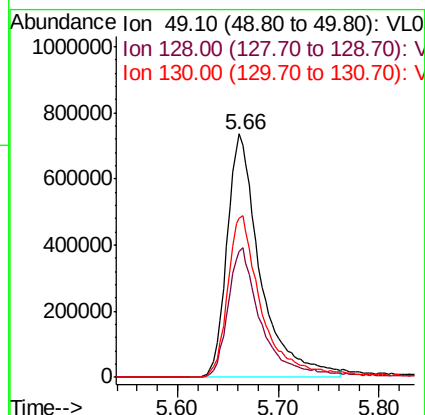
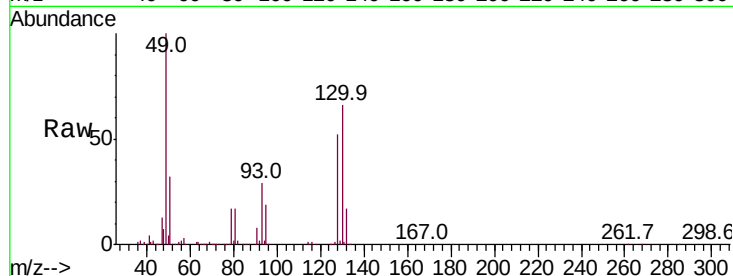




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: VL037255.D
 Acq: 29 Jun 2021 18:54

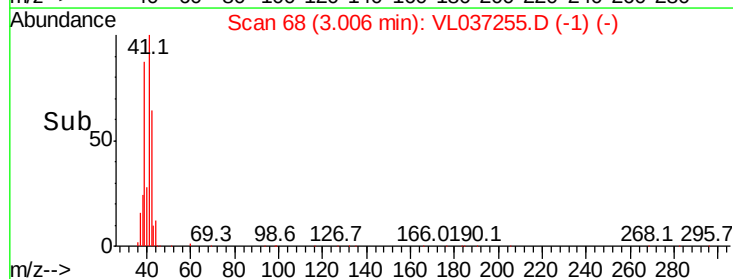
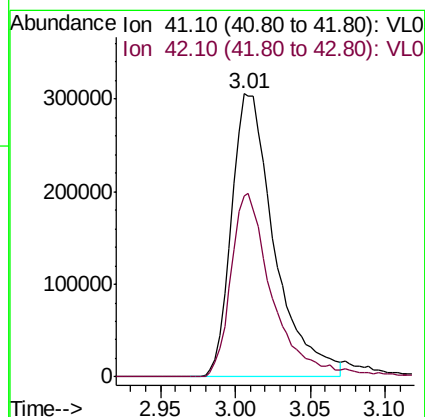
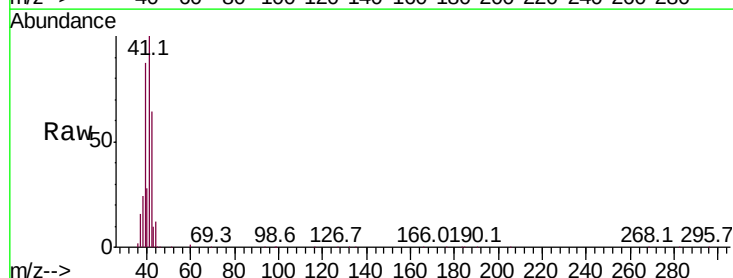
Instrument :
 MSVOA_L
 ClientSampleId :

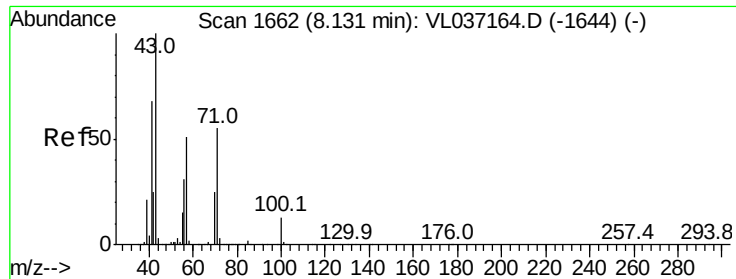
Tot Ion: 49 Resp: 1694606
 Ion Ratio Lower Upper
 49 100
 128 55.2 29.3 88.0
 130 69.3 35.9 107.8



#9
 Propene
 Concen: 5.808 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. -0.01 min
 Lab File: VL037255.D
 Acq: 29 Jun 2021 18:54

Tgt Ion: 41 Resp: 611947
 Ion Ratio Lower Upper
 41 100
 42 63.4 54.5 81.7

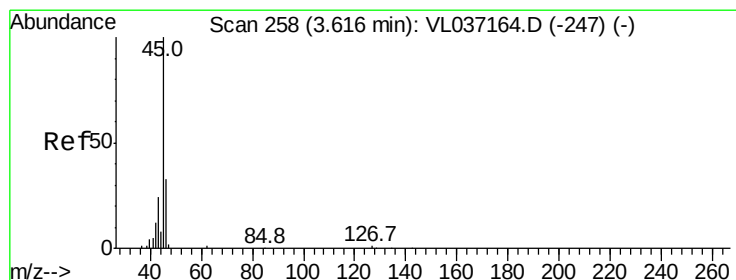
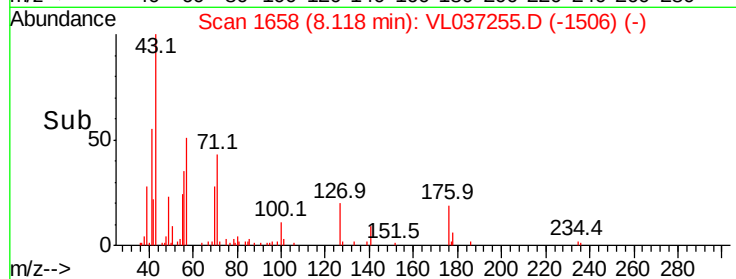
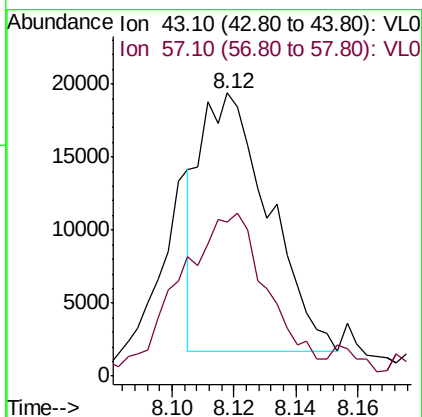
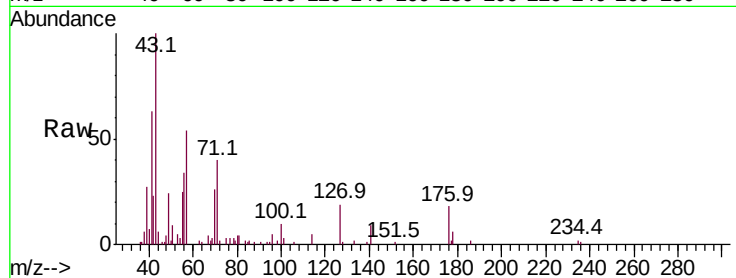




#10
Heptane
Concen: 0.106 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

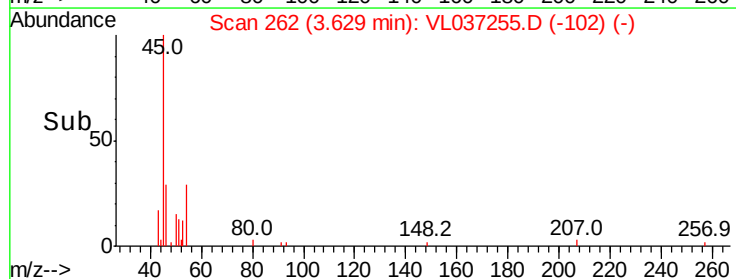
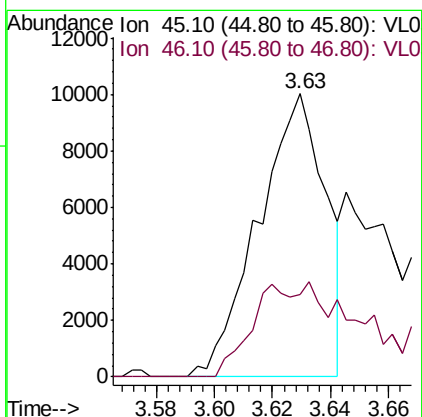
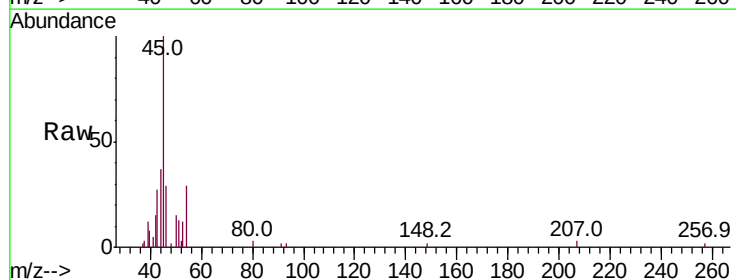
Instrument :
MSVOA_L
ClientSampled :

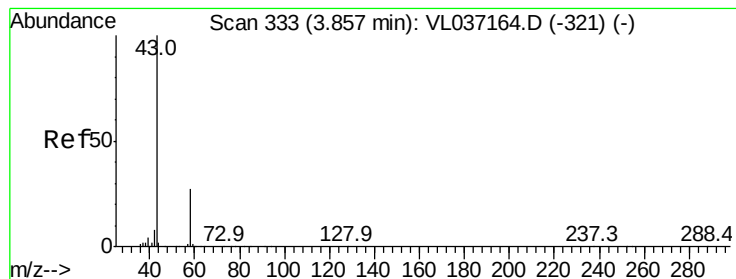
Tot Ion: 43 Resp: 27157
Ion Ratio Lower Upper
43 100
57 93.6 40.6 61.0#



#13
Ethanol
Concen: 0.986 ppbv
RT: 3.63 min Scan# 262
Delta R.T. 0.01 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 45 Resp: 16065
Ion Ratio Lower Upper
45 100
46 64.1 34.2 137.0





#15

Acetone

Concen: 3.388 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL037255.D

Acq: 29 Jun 2021 18:54

Instrument :

MSVOA_L

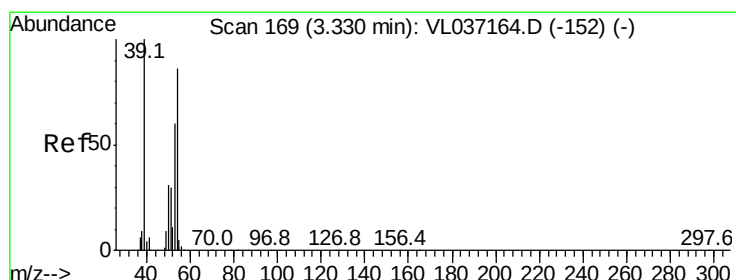
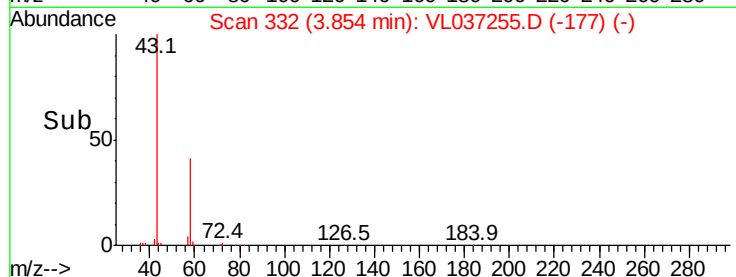
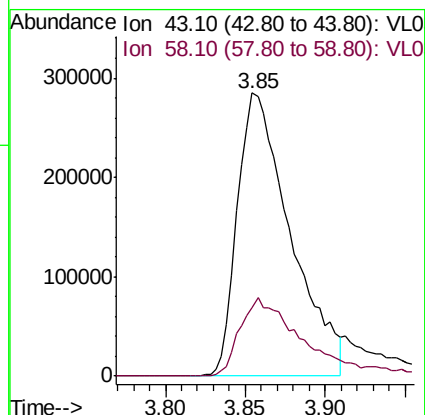
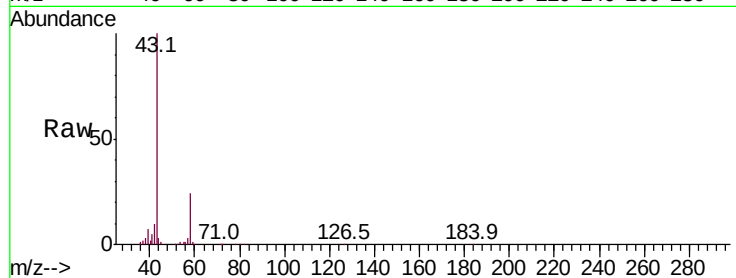
ClientSampleId :

Tot Ion: 43 Resp: 647413

Ion Ratio Lower Upper

43 100

58 35.6 23.7 35.5#



#16

1,3-Butadiene

Concen: 2.560 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.03 min

Lab File: VL037255.D

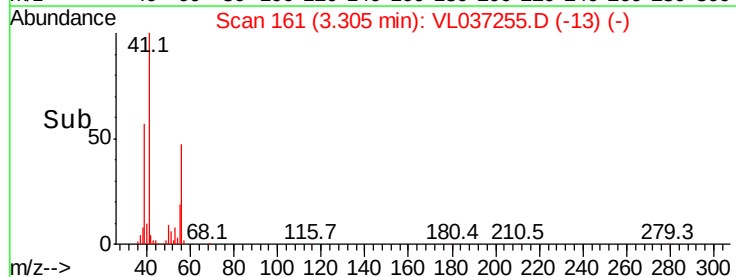
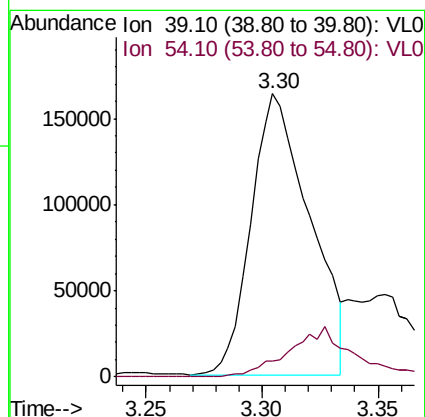
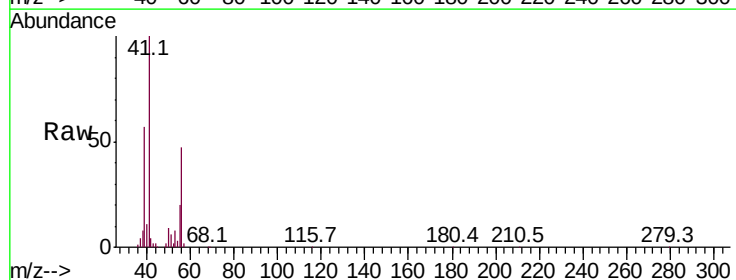
Acq: 29 Jun 2021 18:54

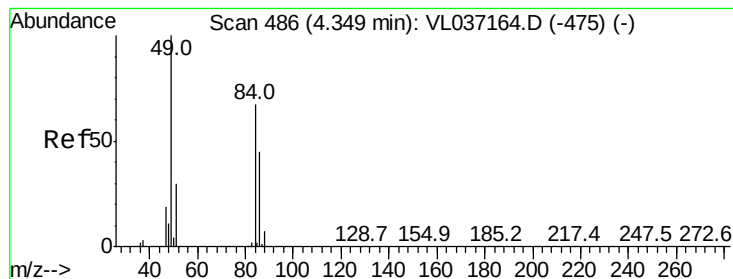
Tgt Ion: 39 Resp: 289236

Ion Ratio Lower Upper

39 100

54 19.9 61.2 91.8#





#20

Methvlene Chloride

Concen: 2.408 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037255.D

Acq: 29 Jun 2021 18:54

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 84 Resp: 275499

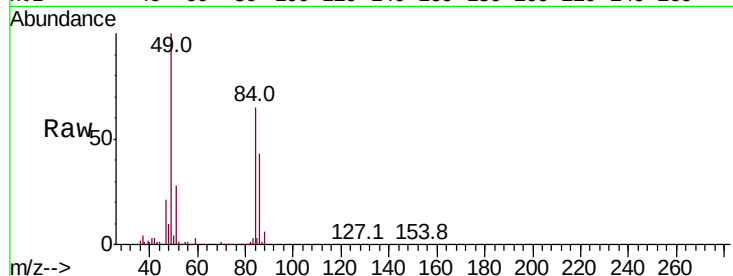
Ion Ratio Lower Upper

84 100

49 152.8 119.7 179.5

51 42.2 36.1 54.1

86 65.5 53.7 80.5

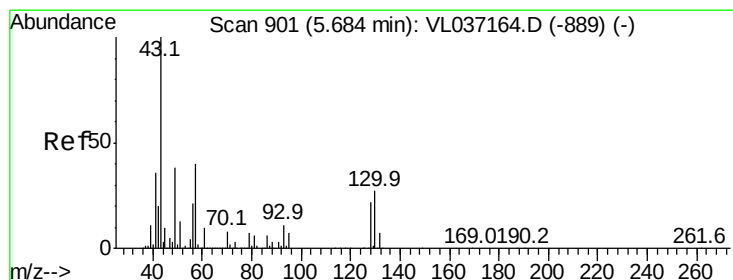
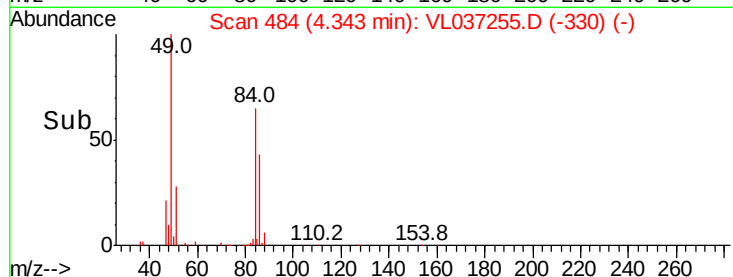
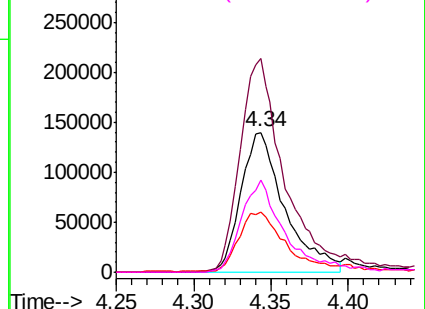


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#25

Ethyl Acetate

Concen: 0.340 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

Lab File: VL037255.D

Acq: 29 Jun 2021 18:54

Tgt Ion: 43 Resp: 140583

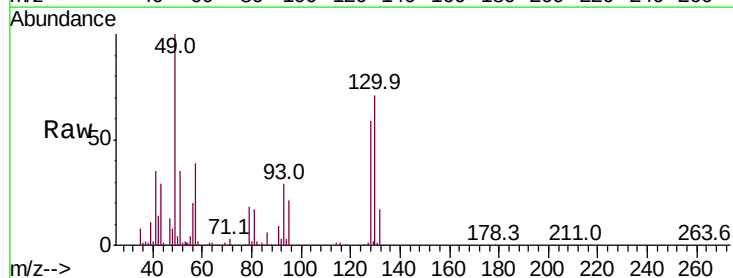
Ion Ratio Lower Upper

43 100

45 1.2 8.0 12.0#

61 0.4 8.1 12.1#

70 3.2 5.5 8.3#

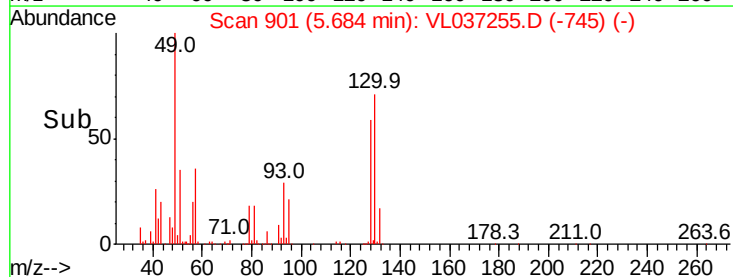
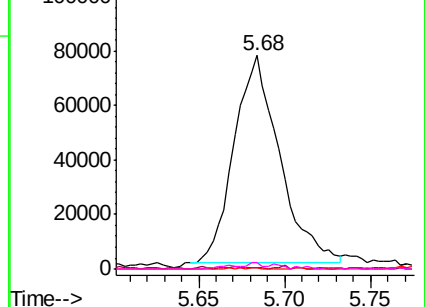


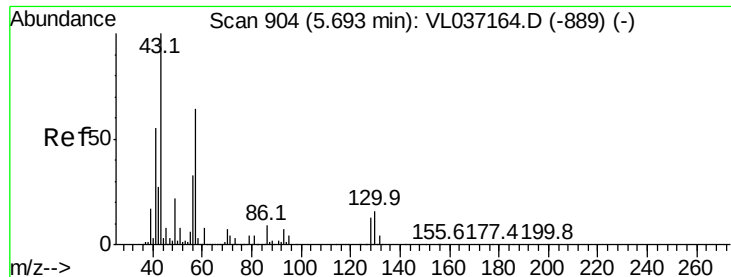
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

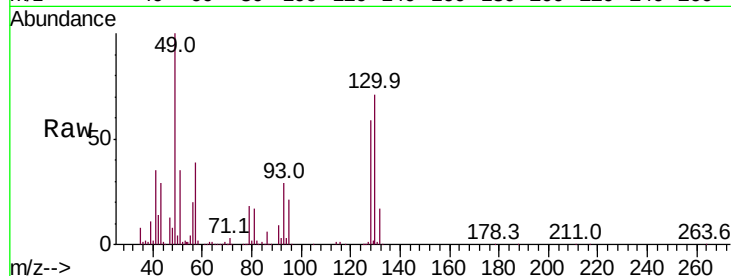




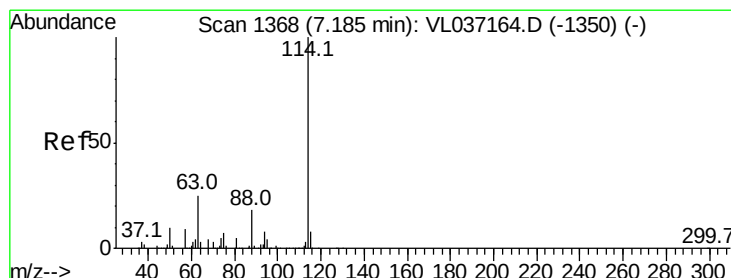
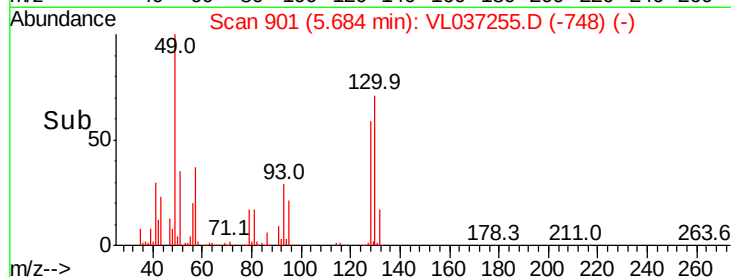
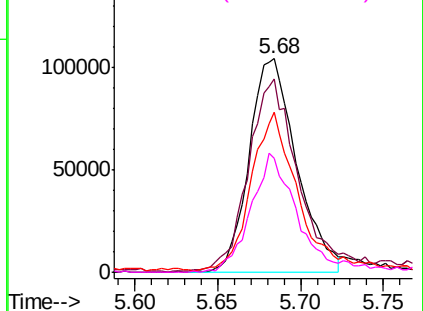
#26
Hexane
Concen: 0.991 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 207128
Ion Ratio Lower Upper
57 100
41 99.5 73.5 110.3
43 78.5 170.7 256.1#
56 57.7 42.4 63.6

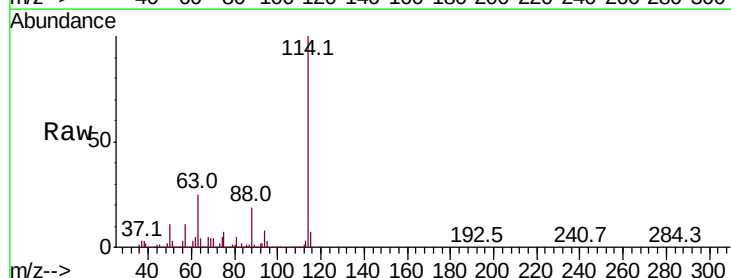


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

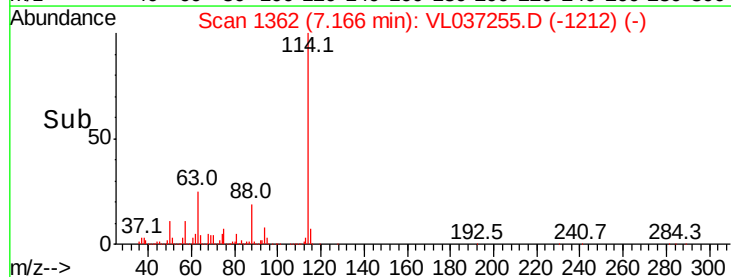
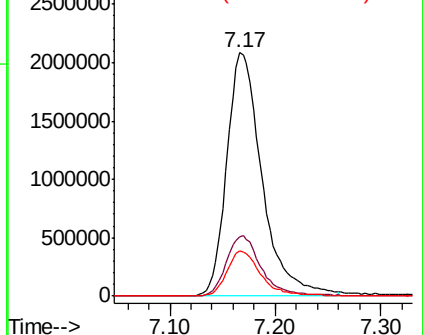


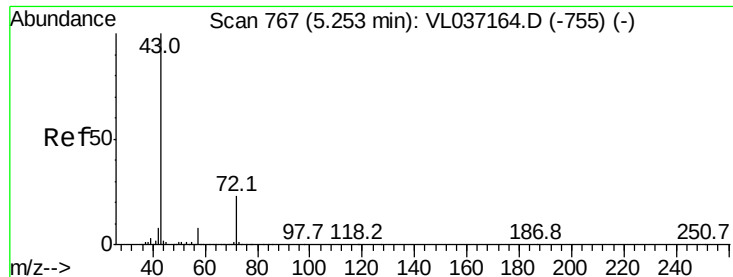
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 114 Resp: 4842362
Ion Ratio Lower Upper
114 100
63 25.0 19.6 29.4
88 18.2 14.2 21.2



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

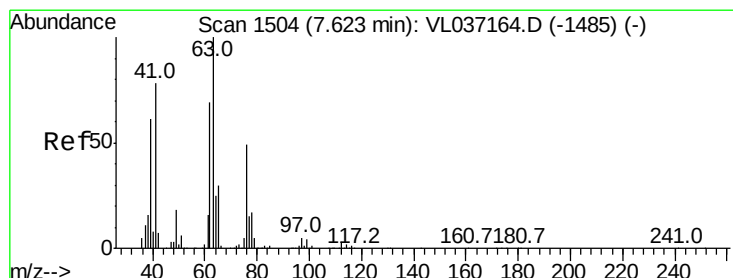
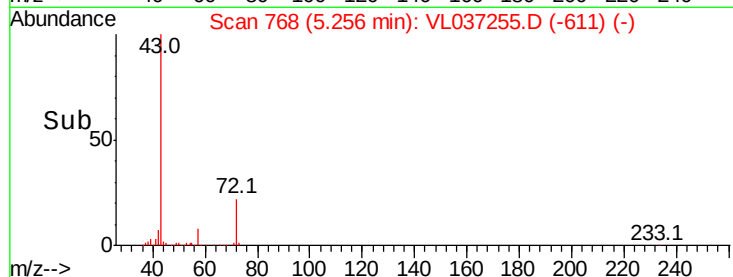
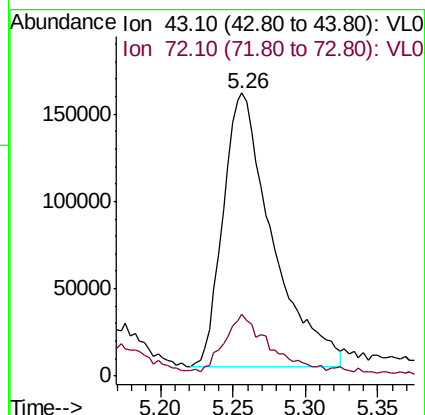
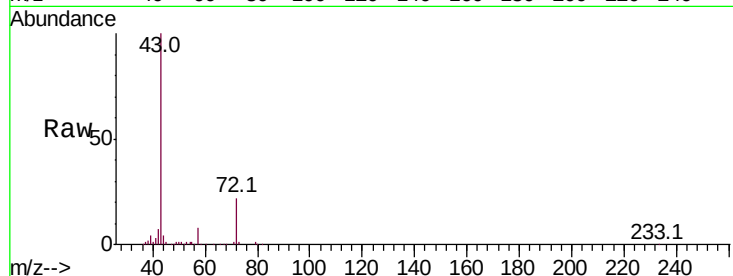




#34
2-Butanone
Concen: 1.955 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.00 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

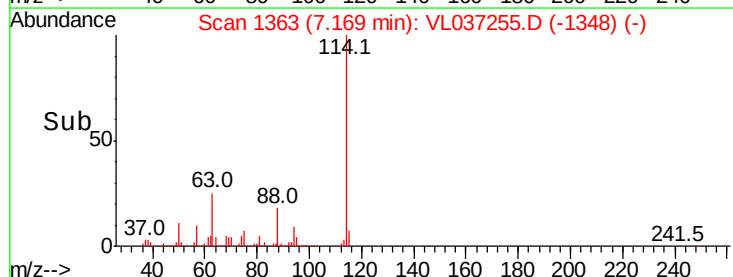
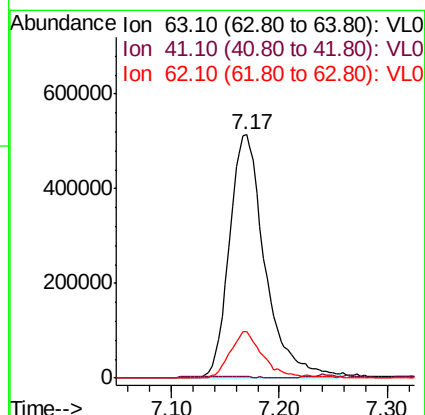
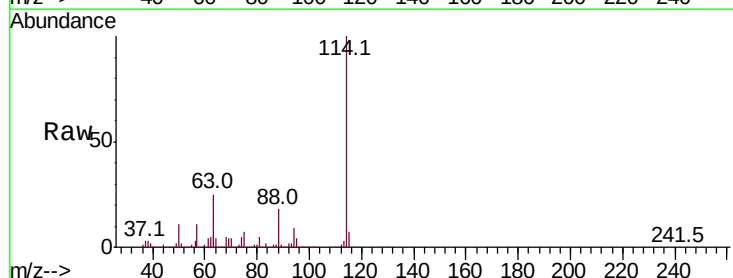
Instrument :
MSVOA_L
ClientSampleId :

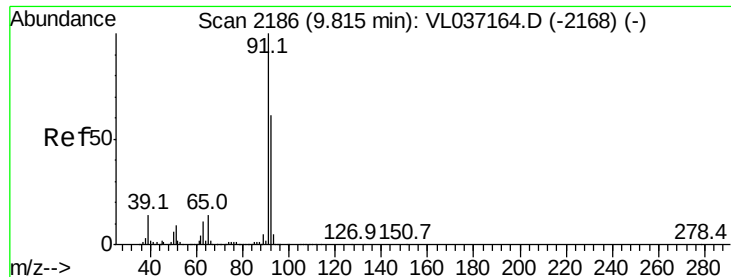
Tot Ion: 43 Resp: 368127
Ion Ratio Lower Upper
43 100
72 25.3 18.9 28.3



#39
1,2-Dichloropropane
Concen: 8.147 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.45 min
Lab File: VL037255.D
Acq: 29 Jun 2021 18:54

Tgt Ion: 63 Resp: 1185464
Ion Ratio Lower Upper
63 100
41 0.0 62.0 93.0#
62 19.2 54.9 82.3#





#53

Toluene

Concen: 0.075 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.02 min

Lab File: VL037255.D

Acq: 29 Jun 2021 18:54

Instrument :

MSVOA_L

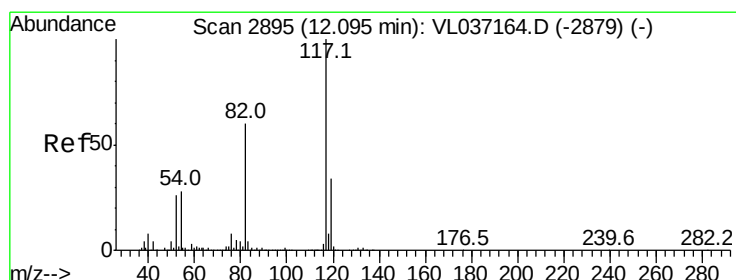
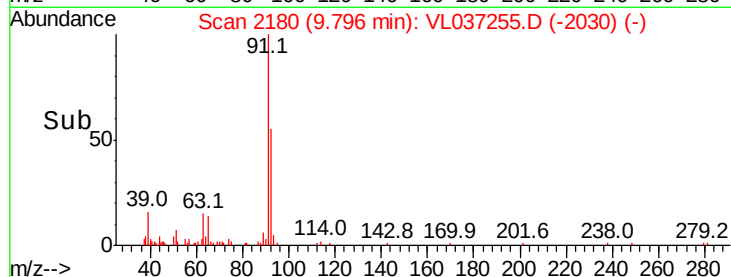
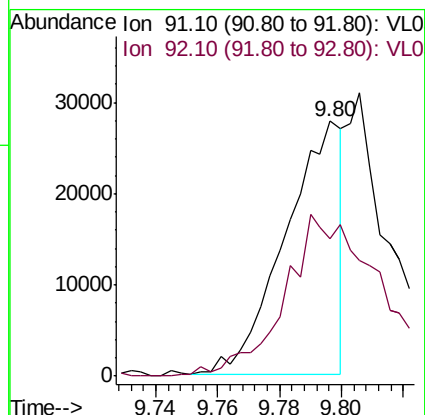
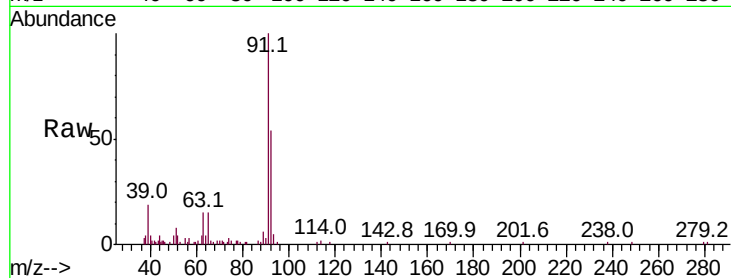
ClientSampleId :

Tot Ion: 91 Resp: 35216

Ion Ratio Lower Upper

91 100

92 115.0 48.3 72.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL037255.D

Acq: 29 Jun 2021 18:54

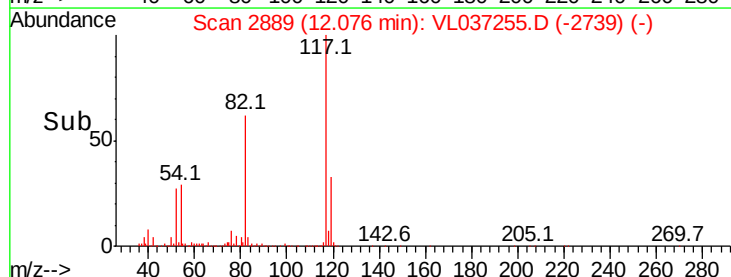
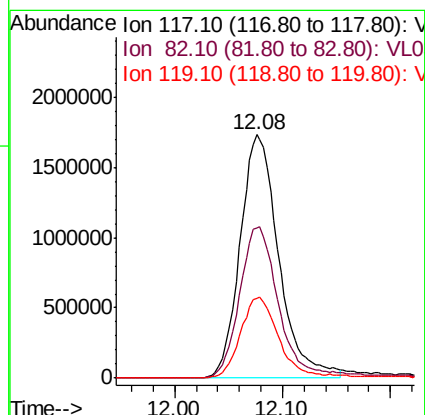
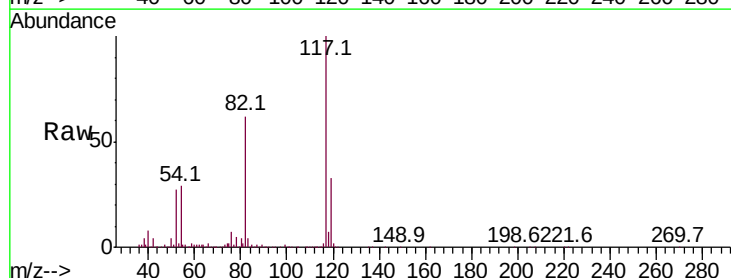
Tgt Ion: 117 Resp: 4321121

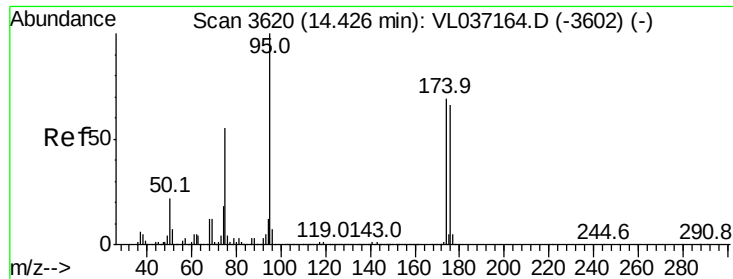
Ion Ratio Lower Upper

117 100

82 66.1 51.7 77.5

119 35.3 47.6 71.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.973 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.02 min

Lab File: VL037255.D

Acq: 29 Jun 2021 18:54

Instrument :

MSVOA_L

ClientSampleId :

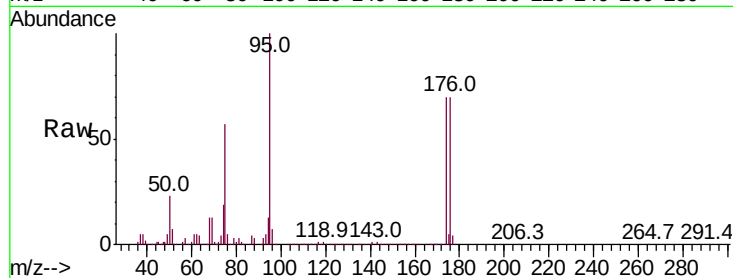
Tot Ion: 95 Resp: 3265641

Ion Ratio Lower Upper

95 100

174 74.8 57.0 85.4

175 5.4 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

