

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037642.D
 Acq On : 17 Sep 2021 15:23
 Operator : SY/AP
 Sample : M3801-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 18 06:18:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1414520	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4142567	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3637482	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2653085	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	12747	0.050	ppbv 92
3) Chlorodifluoromethane	3.29	51	19427	0.073	ppbv 97
4) Chloromethane	3.13	50	4262	0.043	ppbv # 62
7) Chloroethane	3.54	64	1225	0.035	ppbv # 73
8) Dichlorotetrafluoroethane	3.11	85	114076	0.517	ppbv # 13
9) Propene	3.20	41	559051	5.940	ppbv 95
10) Heptane	8.10	43	261072	1.189	ppbv 100
11) Trichlorofluoromethane	3.94	101	82876	0.403	ppbv 93
13) Ethanol	3.60	45	55219	5.998	ppbv # 17
15) Acetone	3.83	43	3625028	24.666	ppbv 92
16) 1,3-Butadiene	3.29	39	148212	1.614	ppbv # 22
17) tert-Butyl alcohol	4.28	59	15720	0.126	ppbv # 72
19) Isopropyl Alcohol	4.00	45	30073	0.376	ppbv # 89
20) Methylene Chloride	4.33	84	193036	2.751	ppbv 94
21) Allyl Chloride	4.35	41	38163	0.348	ppbv # 26
23) Vinyl Acetate	5.05	43	11828	0.058	ppbv # 41
25) Ethyl Acetate	5.67	43	807712	2.269	ppbv # 78
26) Hexane	5.67	57	1105584	6.539	ppbv # 44
27) Carbon Disulfide	4.54	76	39234	0.254	ppbv # 34
29) Chloroform	5.74	83	69687	0.282	ppbv 89
30) Cyclohexane	7.11	84	5532	0.038	ppbv # 1
32) 1,1,1-Trichloroethane	6.49	97	12345	0.054	ppbv # 80
34) 2-Butanone	5.24	43	302572	1.797	ppbv # 89
36) Benzene	6.87	78	80489	0.233	ppbv # 88
39) 1,2-Dichloropropane	7.15	63	975542	7.373	ppbv # 27
41) Tetrahydrofuran	5.97	42	7874	0.099	ppbv # 72
44) 2,2,4-Trimethylpentane	7.85	57	20919	0.036	ppbv # 1
51) 2-Hexanone	10.12	43	111048	1.178	ppbv # 96
52) Tetrachloroethene	11.20	164	252072	1.901	ppbv 97
53) Toluene	9.79	91	275933	0.719	ppbv 96
58) Ethyl Benzene	12.69	91	127581	0.264	ppbv 99
59) m/p-Xylene	12.95	91	360755	0.857	ppbv # 80
60) o-Xylene	13.67	91	137212	0.343	ppbv # 43
64) n-propylbenzene	15.54	120	12217	0.085	ppbv # 1
65) tert-Butylbenzene	16.74	119	47944	0.095	ppbv # 18
70) n-Butylbenzene	18.52	91	18314	0.035	ppbv # 32
72) 4-Ethyltoluene	15.82	105	97908	0.213	ppbv # 73
73) 1,3,5-Trimethylbenzene	15.98	105	160814	0.375	ppbv 97
74) 1,2,4-Trimethylbenzene	16.74	105	658259	1.458	ppbv # 74
80) Naphthalene,2-methyl-	24.96	142	5753	0.091	ppbv 94

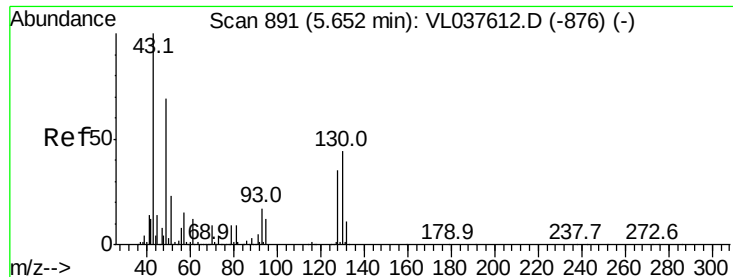
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
Data File : VL037642.D
Acq On : 17 Sep 2021 15:23
Operator : SY/AP
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Instrument :
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Quant Time: Sep 18 06:18:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

ClientSampleId :

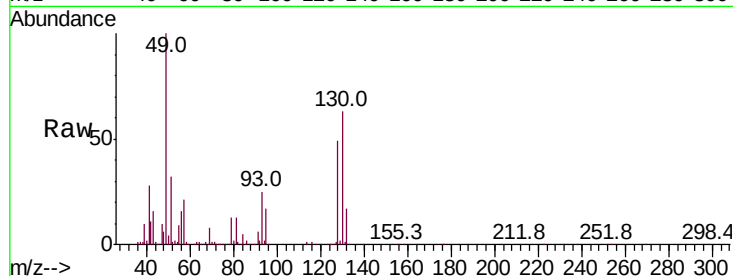
Tot Ion: 49 Resp: 1414520

Ion Ratio Lower Upper

49 100

128 54.5 27.9 83.6

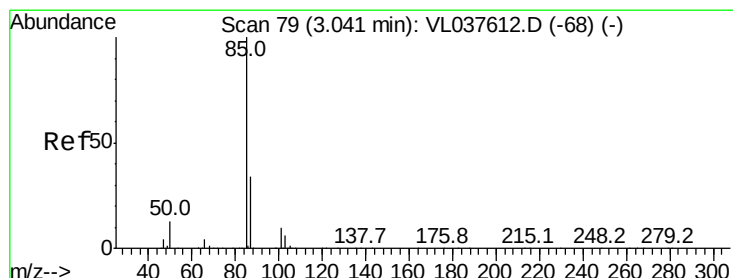
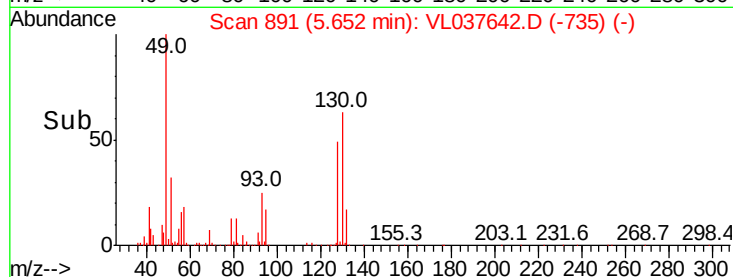
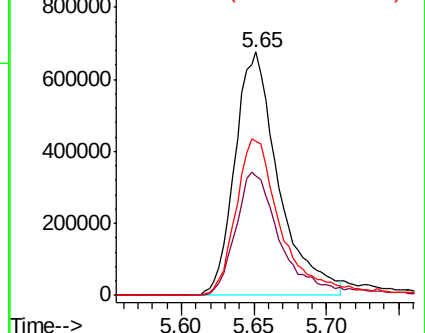
130 70.0 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.050 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL037642.D

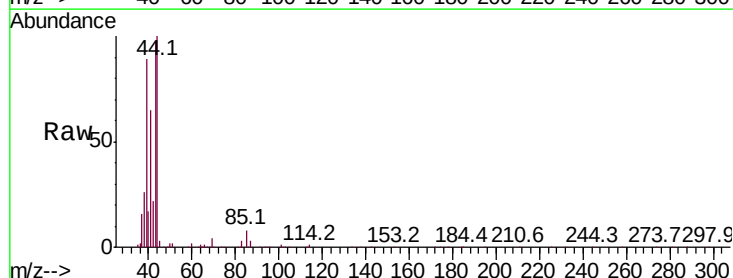
Acq: 17 Sep 2021 15:23

Tgt Ion: 85 Resp: 12747

Ion Ratio Lower Upper

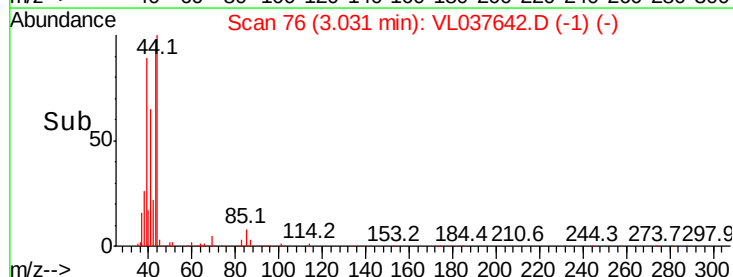
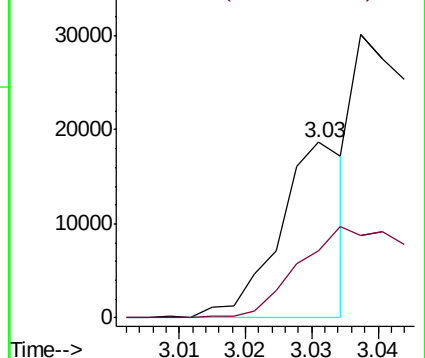
85 100

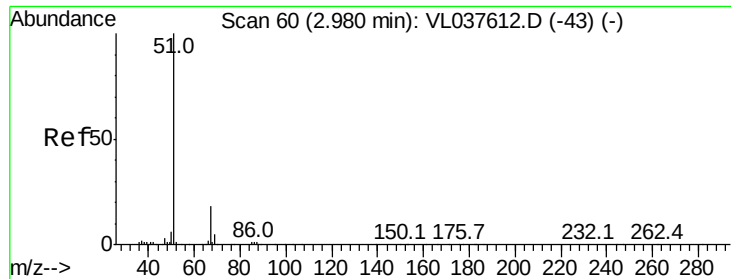
87 38.3 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.073 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.32 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

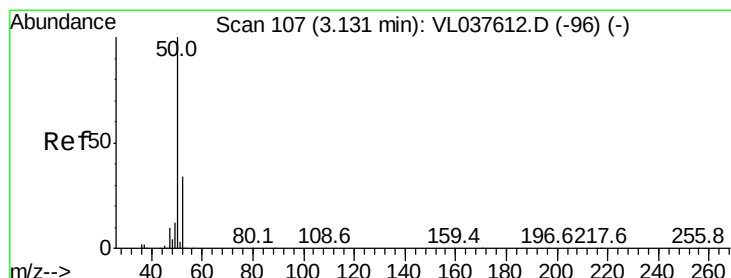
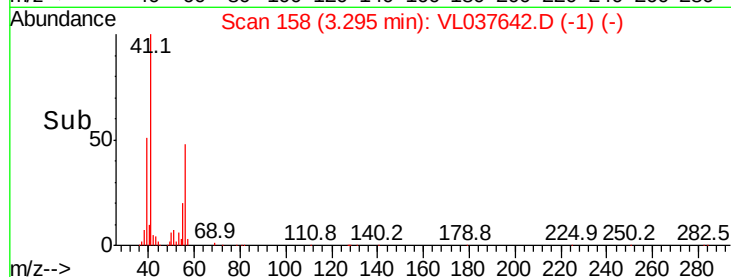
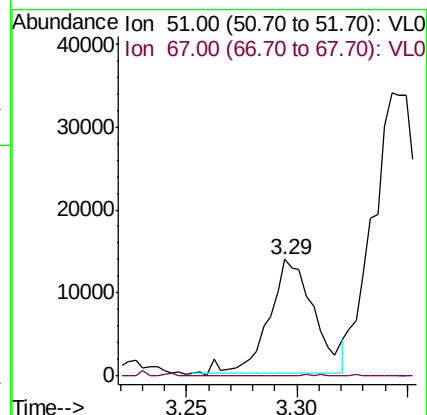
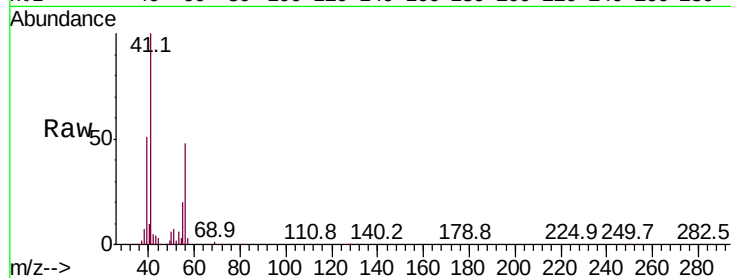
ClientSampled :

Tot Ion: 51 Resp: 19427

Ion Ratio Lower Upper

51 100

67 16.4 14.0 21.0



#4

Chloromethane

Concen: 0.043 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037642.D

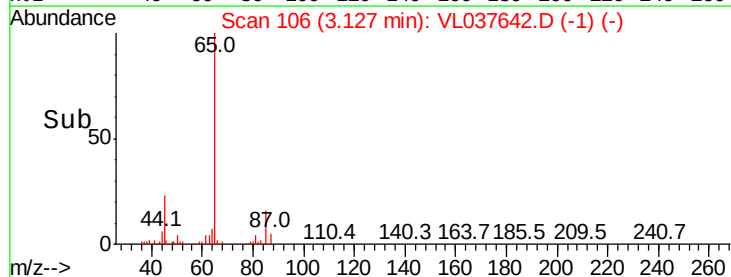
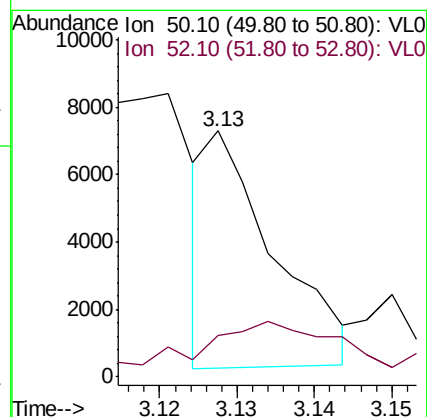
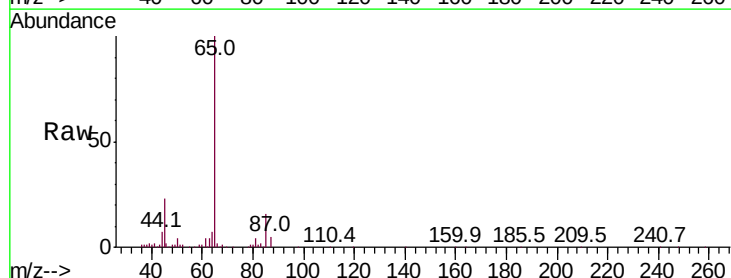
Acq: 17 Sep 2021 15:23

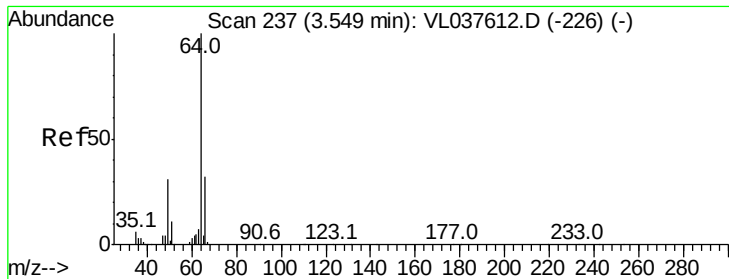
Tgt Ion: 50 Resp: 4262

Ion Ratio Lower Upper

50 100

52 12.2 27.1 40.7#





#7

Chloroethane

Concen: 0.035 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.01 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

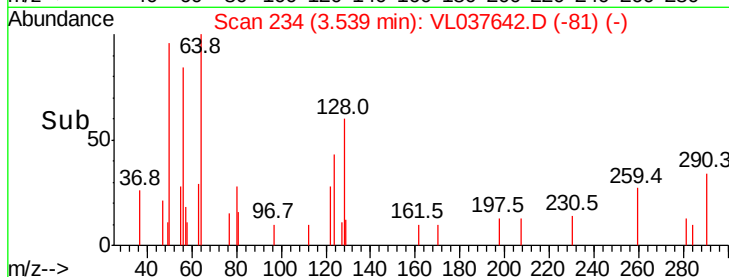
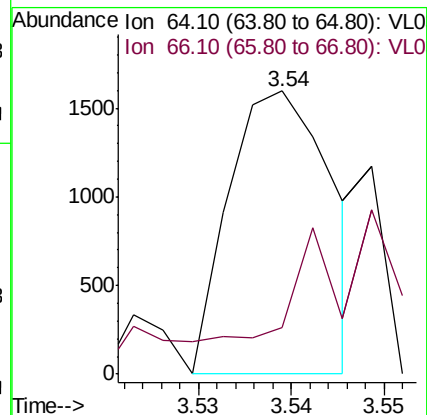
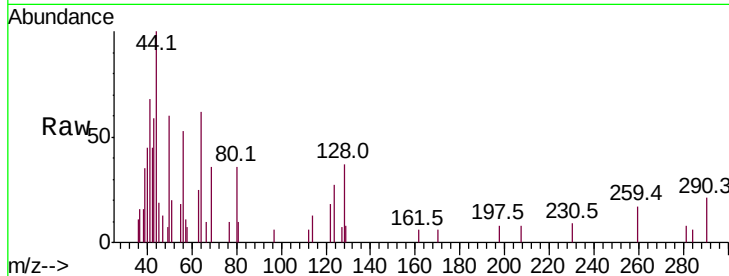
ClientSampleId :

Tot Ion: 64 Resp: 1225

Ion Ratio Lower Upper

64 100

66 16.6 25.3 37.9#



#8

Dichlorotetrafluoroethane

Concen: 0.517 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.07 min

Lab File: VL037642.D

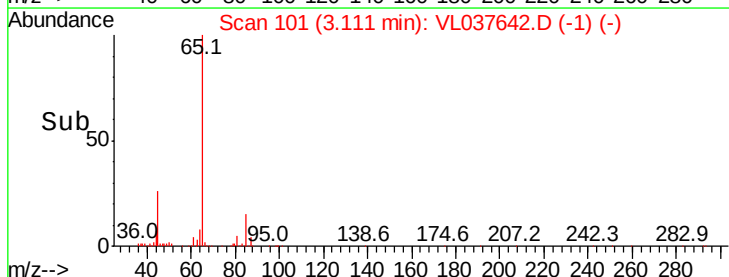
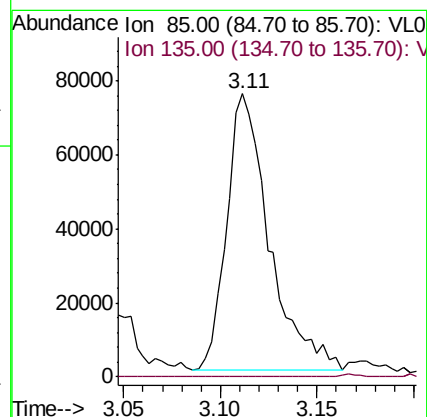
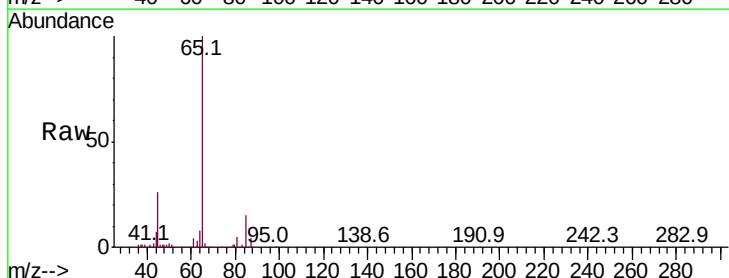
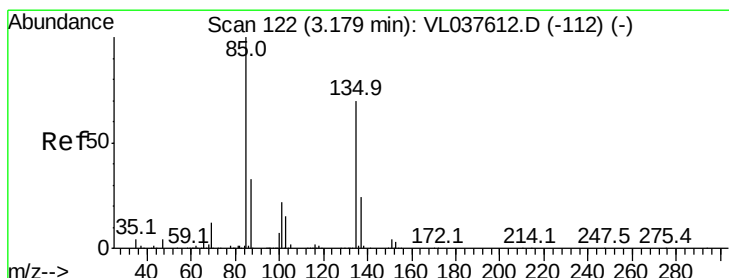
Acq: 17 Sep 2021 15:23

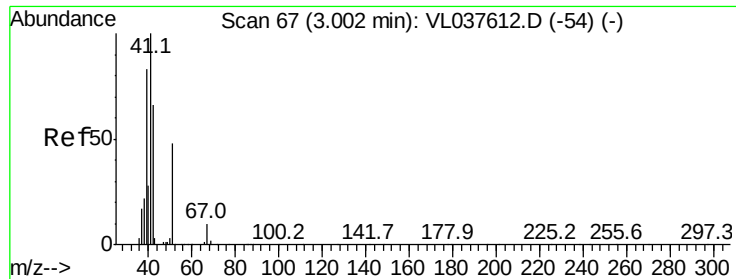
Tgt Ion: 85 Resp: 114076

Ion Ratio Lower Upper

85 100

135 0.4 59.3 88.9#





#9

Propene

Concen: 5.940 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.19 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

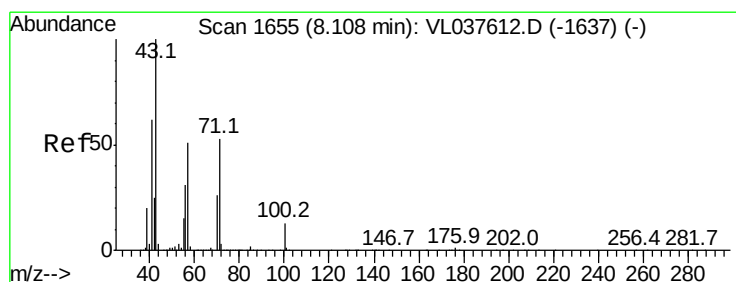
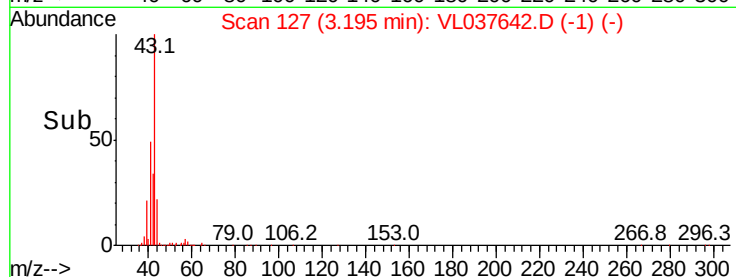
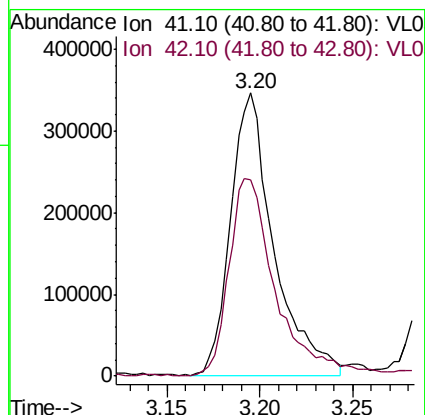
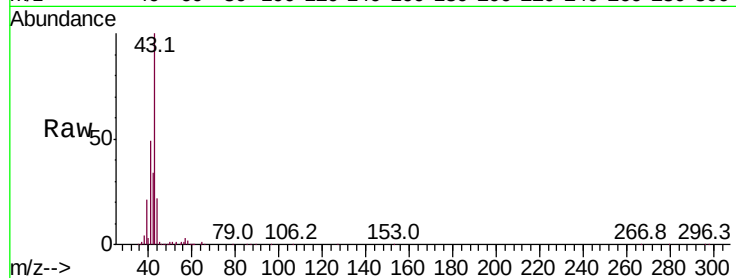
ClientSampleId :

Tot Ion: 41 Resp: 559051

Ion Ratio Lower Upper

41 100

42 75.7 57.2 85.8



#10

Heptane

Concen: 1.189 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037642.D

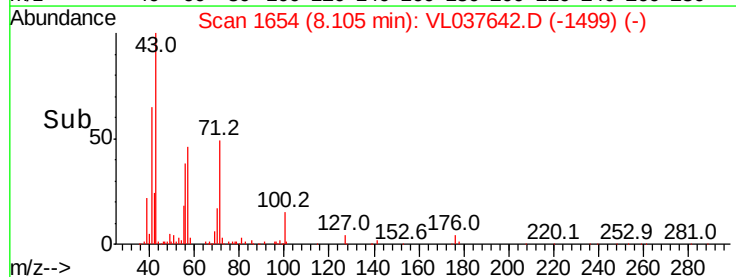
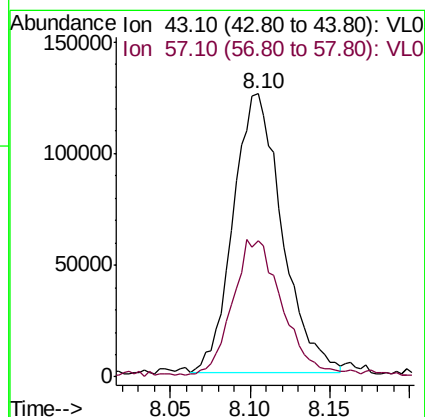
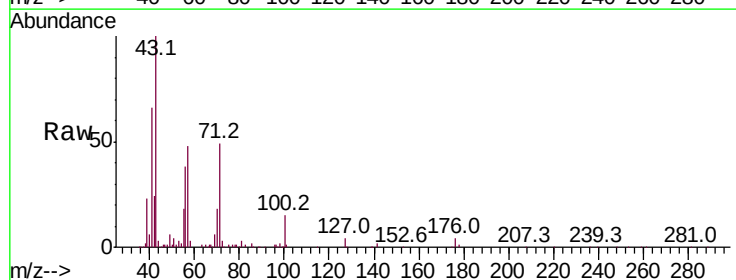
Acq: 17 Sep 2021 15:23

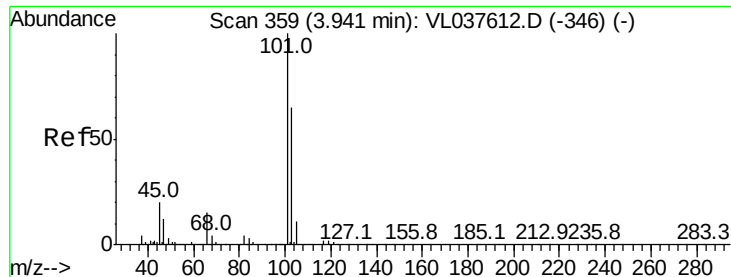
Tgt Ion: 43 Resp: 261072

Ion Ratio Lower Upper

43 100

57 50.3 40.1 60.1





#11

Trichlorofluoromethane

Concen: 0.403 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

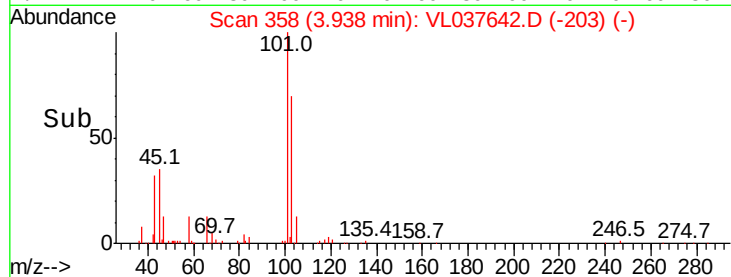
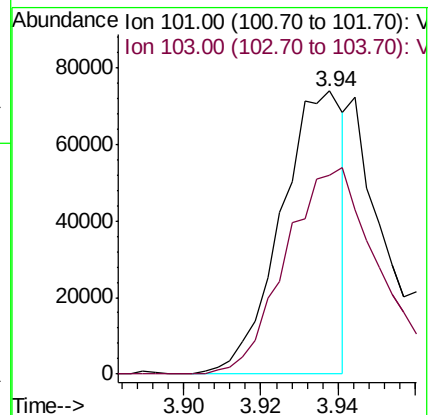
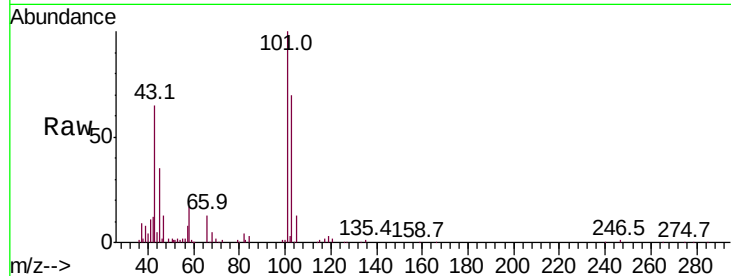
ClientSampleId :

Tot Ion:101 Resp: 82876

Ion Ratio Lower Upper

101 100

103 70.4 51.9 77.9



#13

Ethanol

Concen: 5.998 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL037642.D

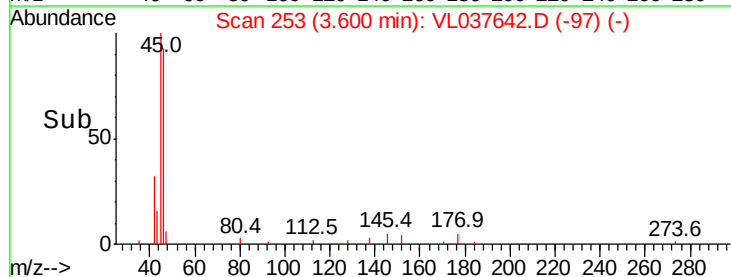
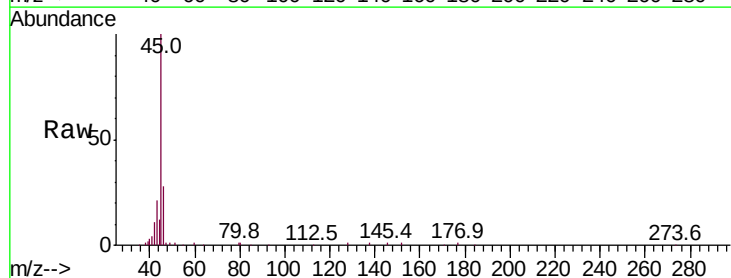
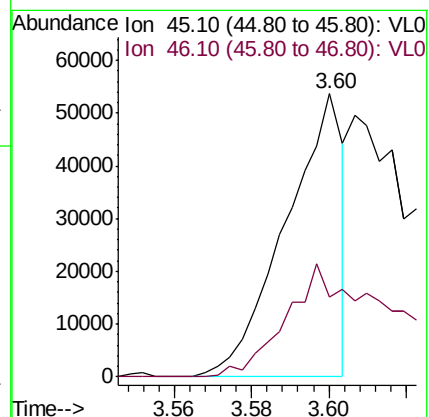
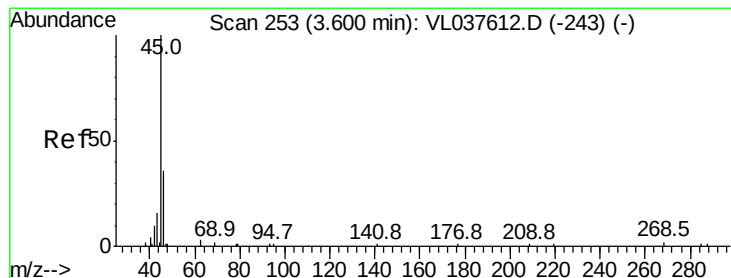
Acq: 17 Sep 2021 15:23

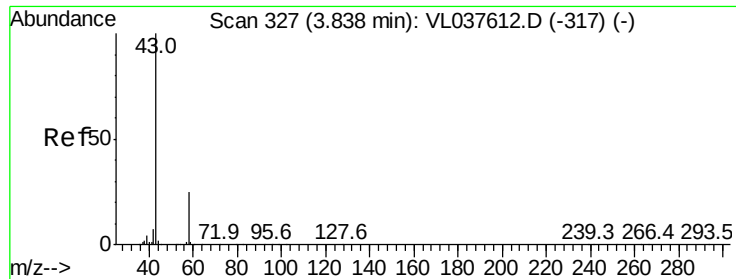
Tgt Ion: 45 Resp: 55219

Ion Ratio Lower Upper

45 100

46 96.1 17.2 68.8#





#15

Acetone

Concen: 24.666 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

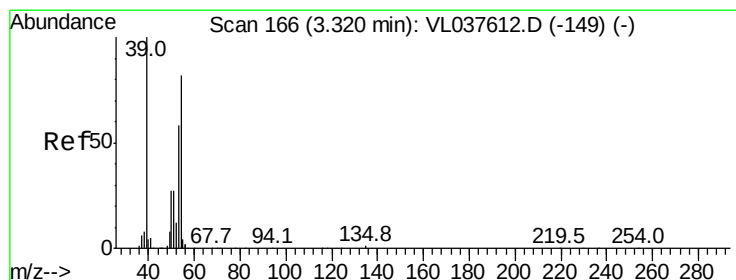
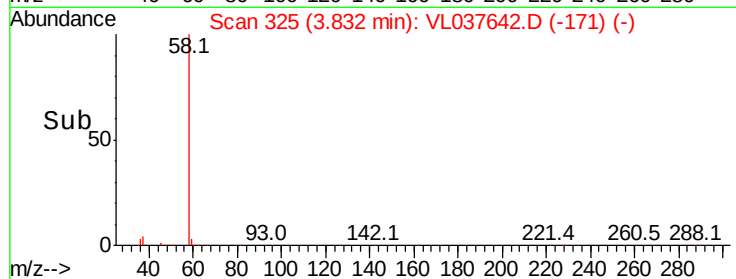
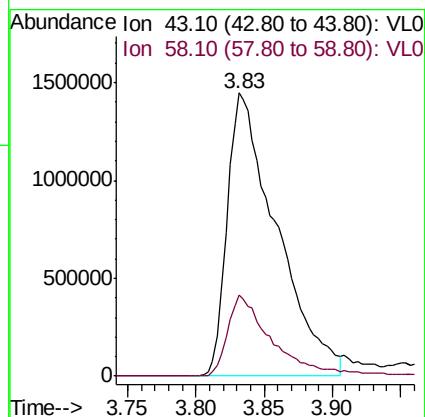
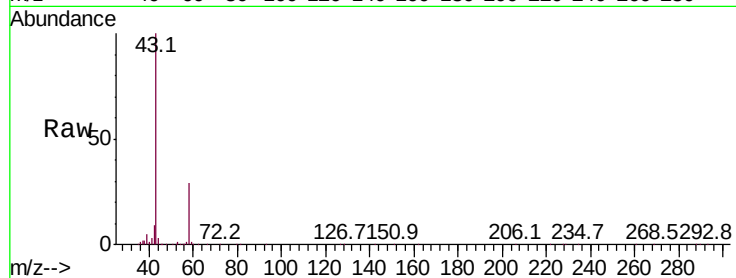
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3625028

Ion Ratio Lower Upper

43 100

58 26.9 24.9 37.3



#16

1,3-Butadiene

Concen: 1.614 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.03 min

Lab File: VL037642.D

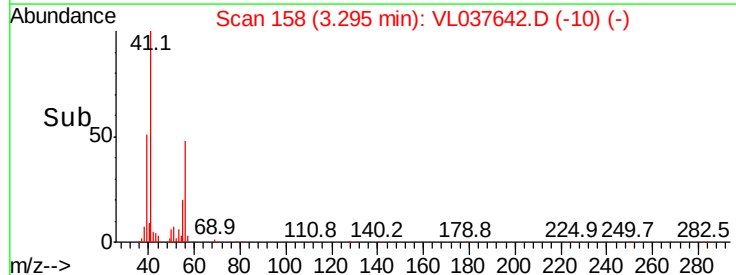
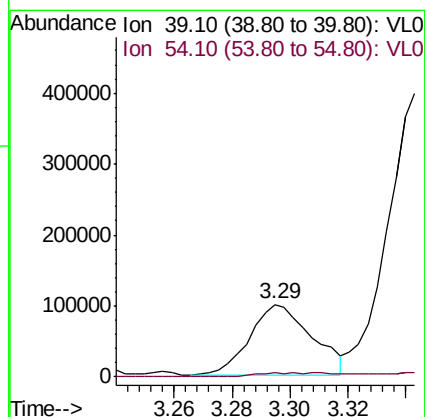
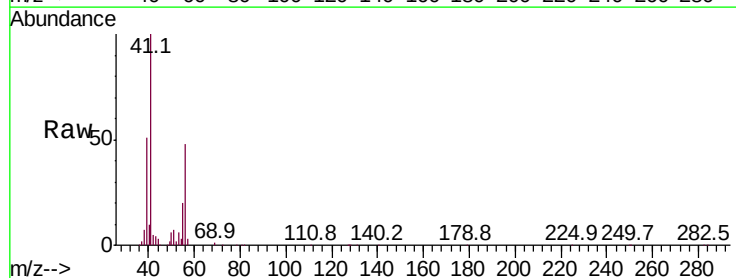
Acq: 17 Sep 2021 15:23

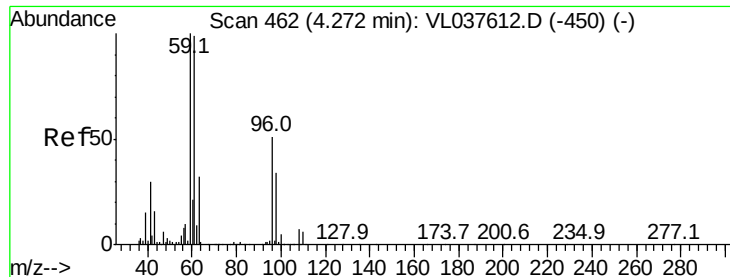
Tgt Ion: 39 Resp: 148212

Ion Ratio Lower Upper

39 100

54 9.9 62.6 93.8#

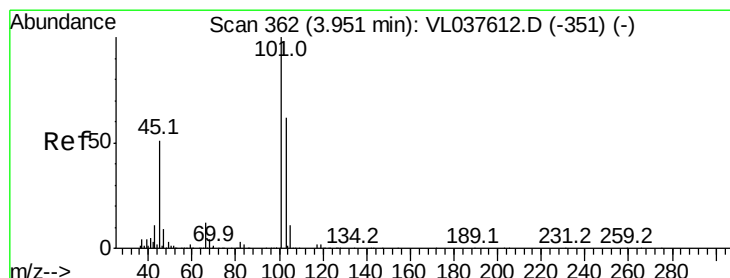
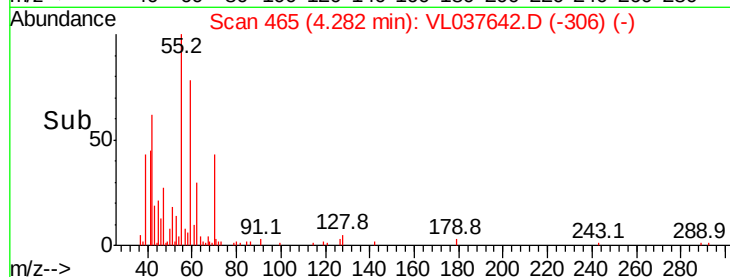
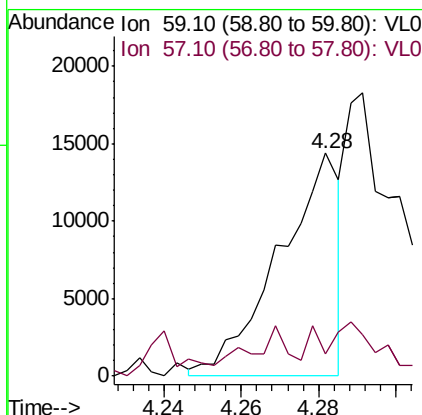
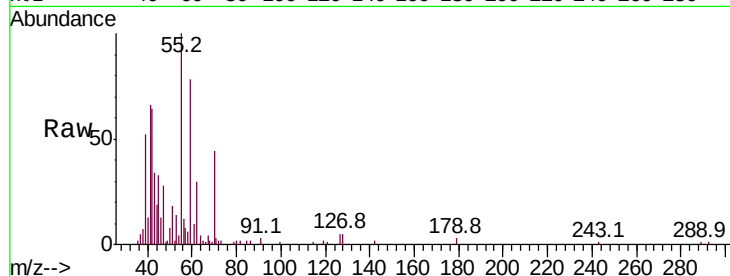




#17
 tert-Butyl alcohol
 Concen: 0.126 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. 0.01 min
 Lab File: VL037642.D
 Acq: 17 Sep 2021 15:23

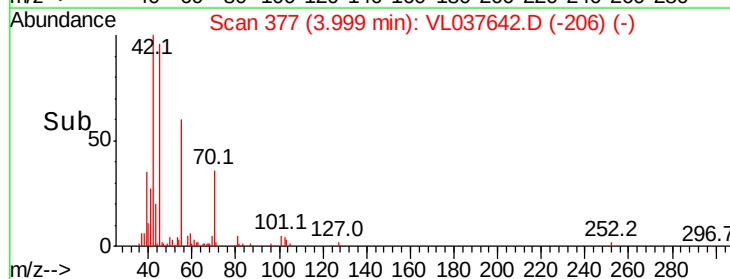
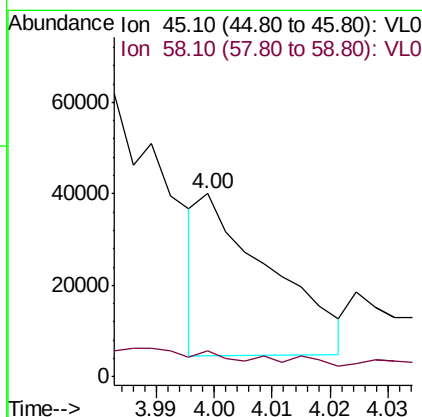
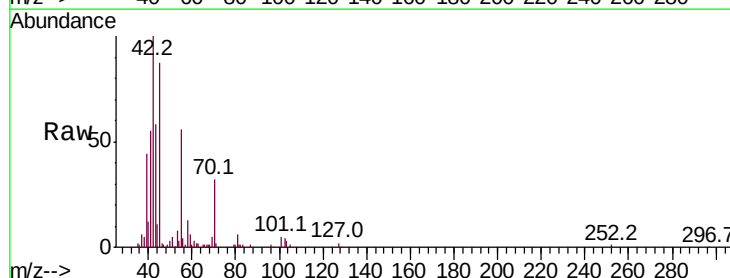
Instrument :
 MSVOA_L
 ClientSampleId :

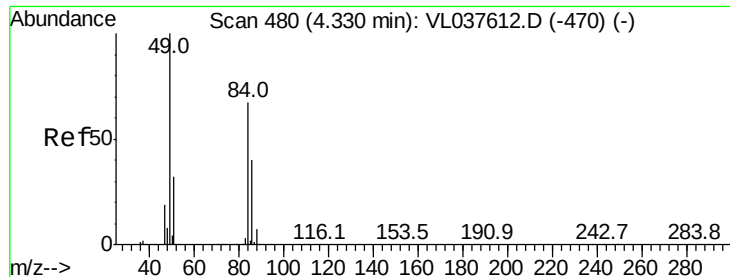
Tot Ion: 59 Resp: 15720
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#



#19
 Isopropyl Alcohol
 Concen: 0.376 ppbv
 RT: 4.00 min Scan# 377
 Delta R.T. 0.05 min
 Lab File: VL037642.D
 Acq: 17 Sep 2021 15:23

Tgt Ion: 45 Resp: 30073
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.9 4.3#





#20

Methylene Chloride

Concen: 2.751 ppbv

RT: 4.33 min Scan# 479

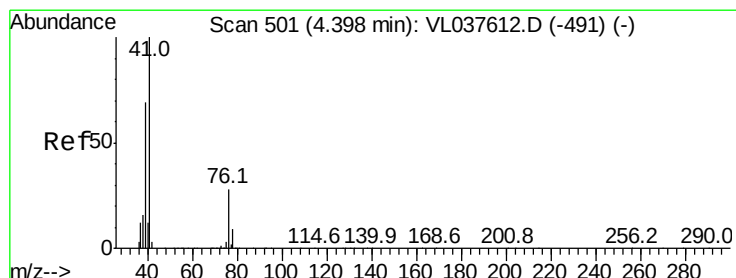
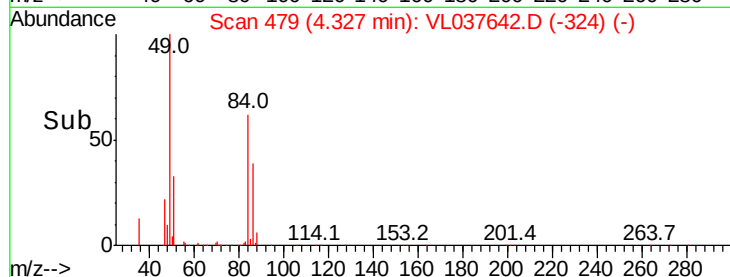
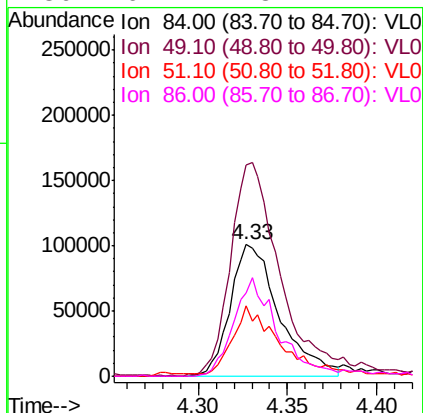
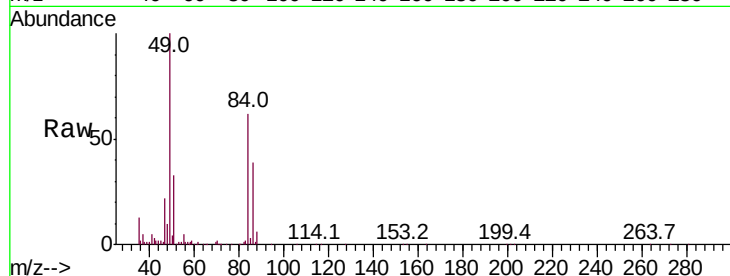
Delta R.T. -0.00 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :
MSVOA_L
ClientSampleID :

Tot Ion:	84	Resp:	193036
Ion	Ratio	Lower	Upper
84	100		
49	159.3	120.0	180.0
51	51.3	38.0	57.0
86	62.7	48.2	72.2



#21

Allyl Chloride

Concen: 0.348 ppbv

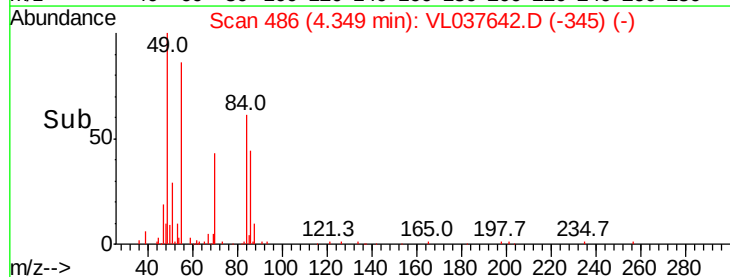
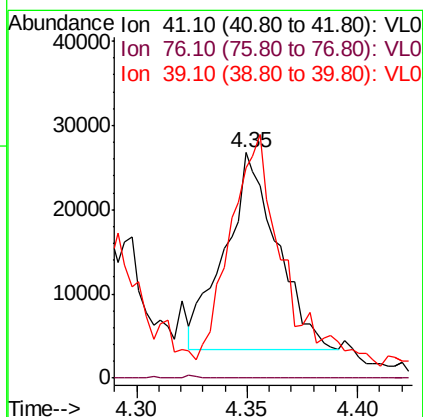
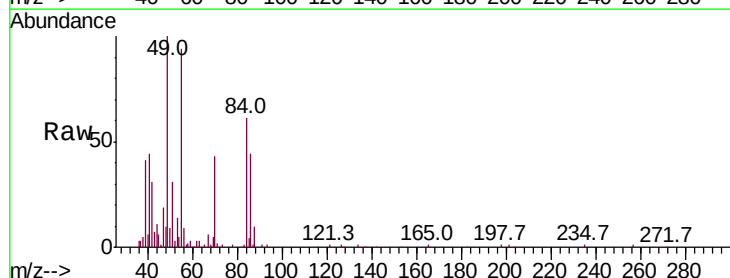
RT: 4.35 min Scan# 486

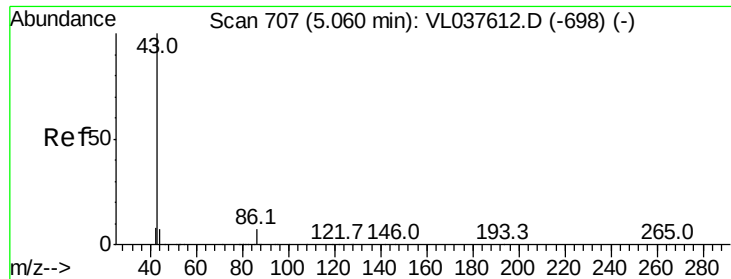
Delta R.T. -0.05 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Tgt Ion:	41	Resp:	38163
Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.1	34.7#
39	146.1	61.0	91.6#

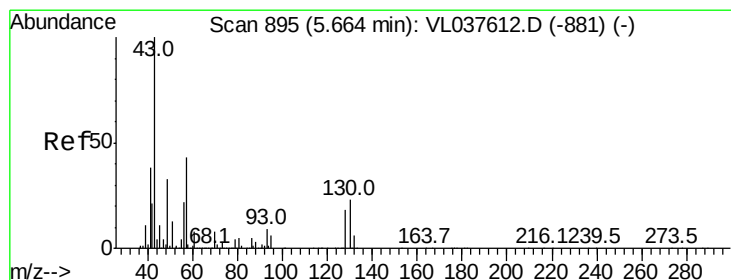
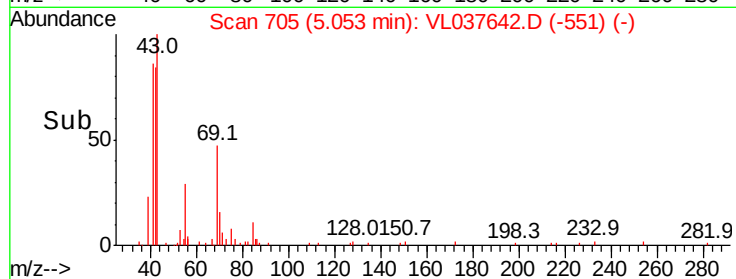
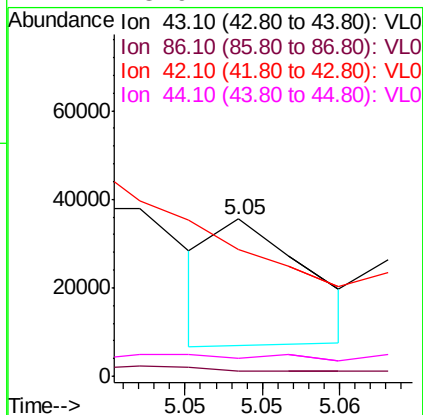
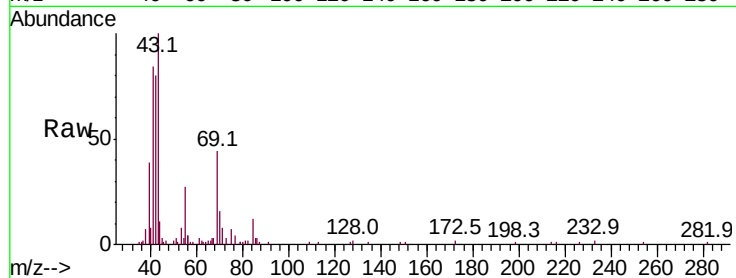




#23
 Vinyl Acetate
 Concen: 0.058 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.01 min
 Lab File: VL037642.D
 Acq: 17 Sep 2021 15:23

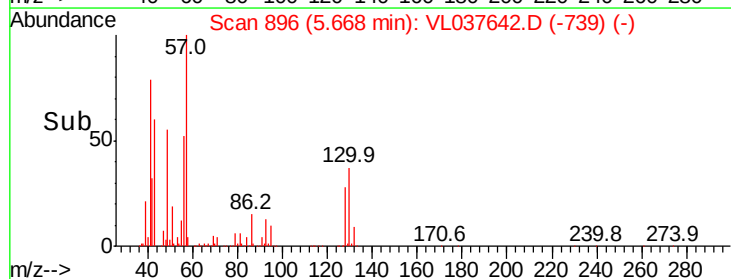
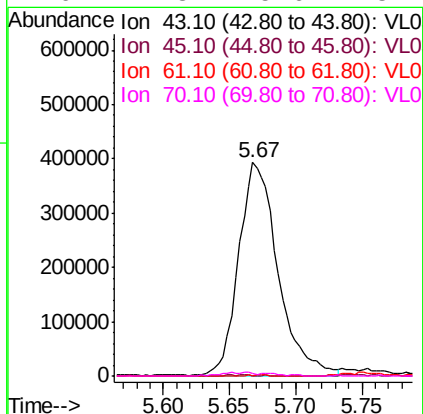
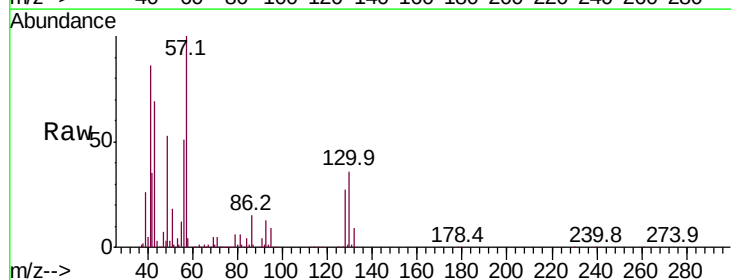
Instrument :
 MSVOA_L
 ClientSampleId :

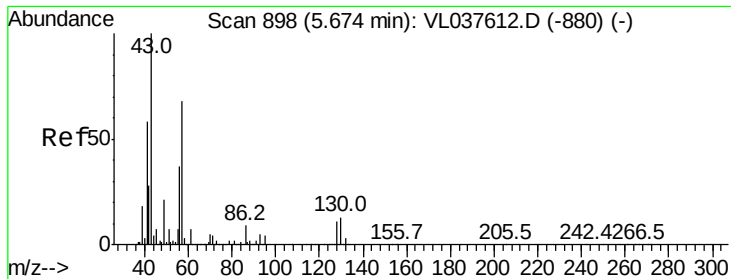
Tot Ion:	43	Resp:	11828
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	53.3	7.5	11.3#
44	3.9	4.7	7.1#



#25
 Ethyl Acetate
 Concen: 2.269 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL037642.D
 Acq: 17 Sep 2021 15:23

Tgt Ion:	43	Resp:	807712
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.0	12.0#
61	0.4	7.5	11.3#
70	2.3	5.6	8.4#

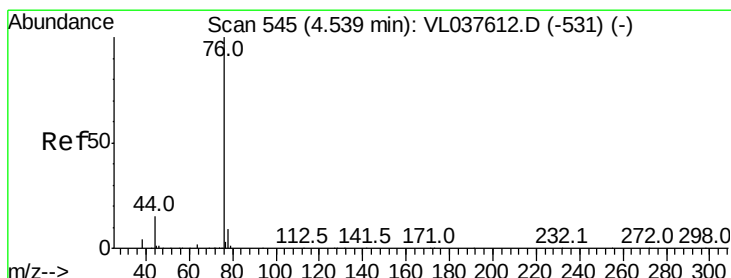
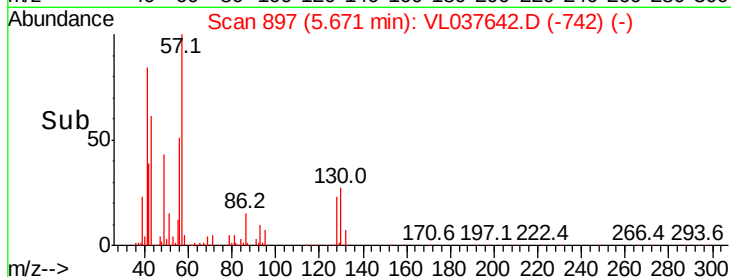
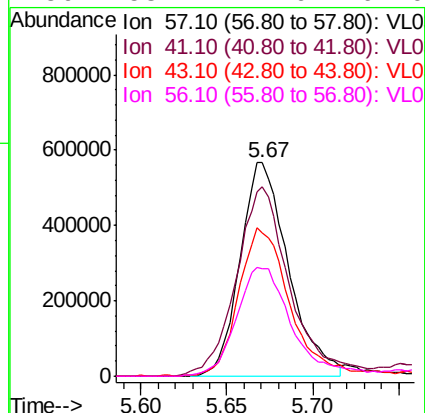
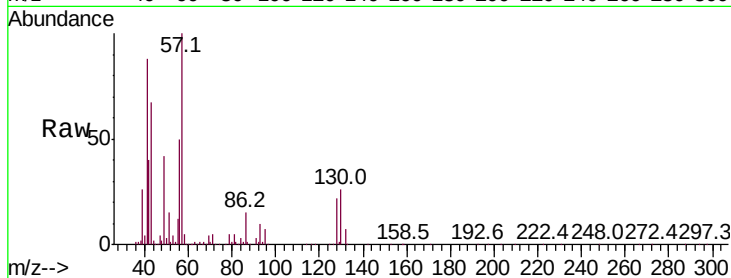




#26
Hexane
Concen: 6.539 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

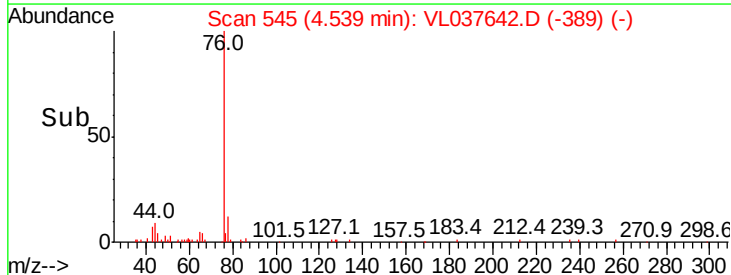
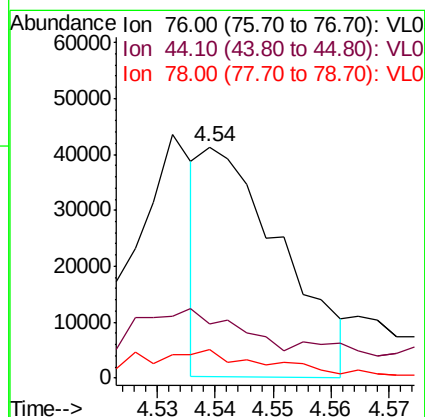
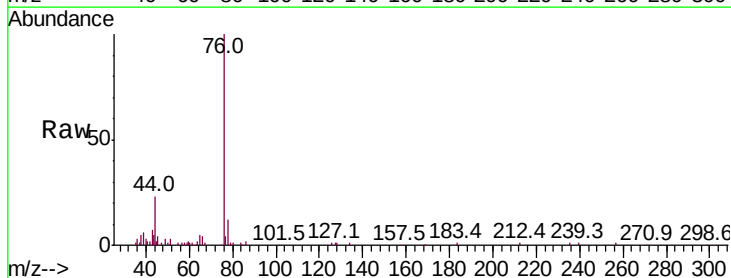
Instrument :
MSVOA_L
ClientSampleId :

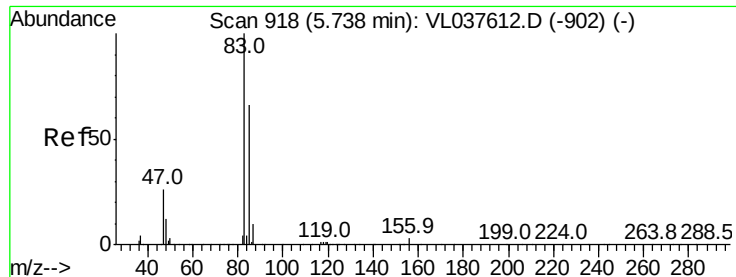
Tot Ion: 57 Resp: 1105584
Ion Ratio Lower Upper
57 100
41 98.1 70.9 106.3
43 76.1 170.4 255.6#
56 58.1 42.6 64.0



#27
Carbon Disulfide
Concen: 0.254 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.00 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

Tgt Ion: 76 Resp: 39234
Ion Ratio Lower Upper
76 100
44 51.7 14.2 21.2#
78 25.6 7.4 11.0#

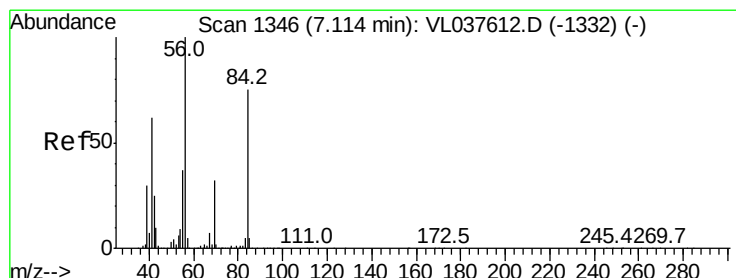
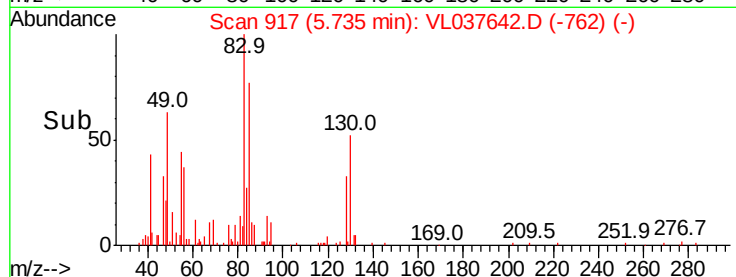
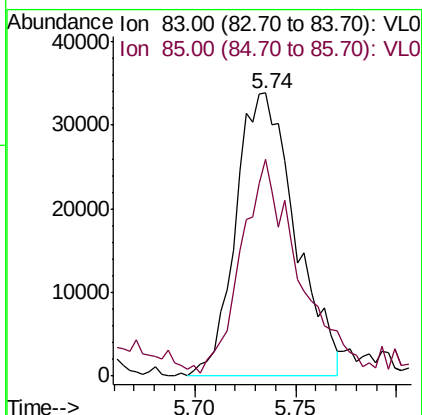
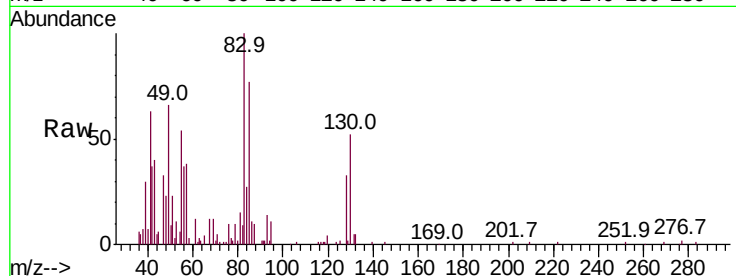




#29
Chloroform
Concen: 0.282 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

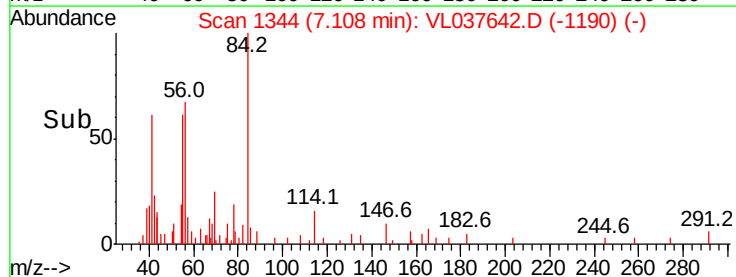
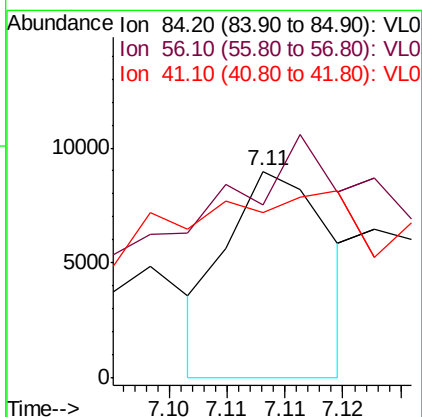
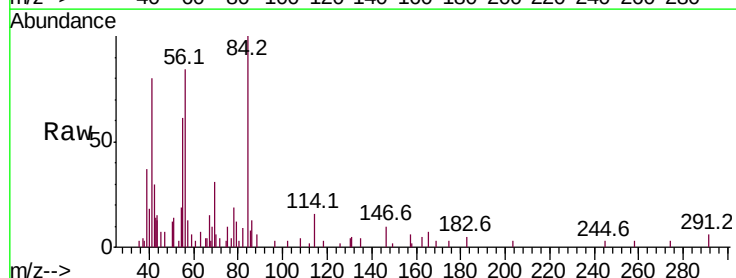
Instrument :
MSVOA_L
ClientSampleId :

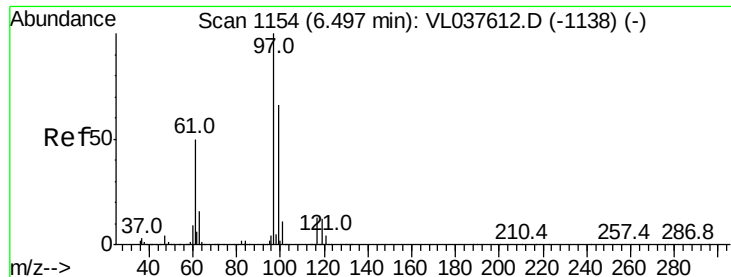
Tot Ion: 83 Resp: 69687
Ion Ratio Lower Upper
83 100
85 74.2 52.6 79.0



#30
Cyclohexane
Concen: 0.038 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

Tgt Ion: 84 Resp: 5532
Ion Ratio Lower Upper
84 100
56 0.0 113.6 170.4#
41 288.0 67.9 101.9#





#32

1,1,1-Trichloroethane

Concen: 0.054 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

ClientSampleId :

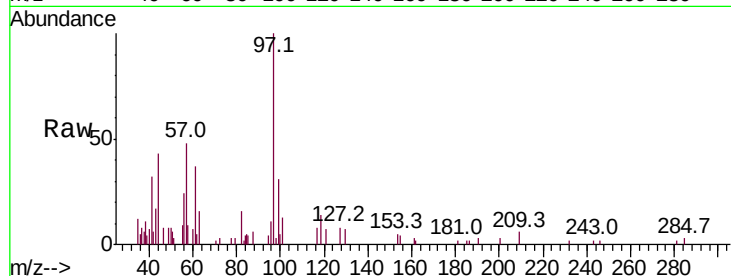
Tot Ion: 97 Resp: 12345

Ion Ratio Lower Upper

97 100

99 81.2 52.3 78.5#

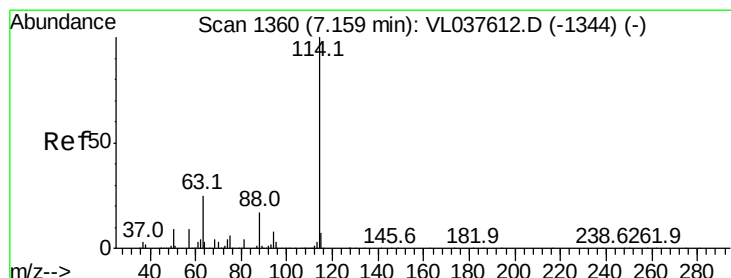
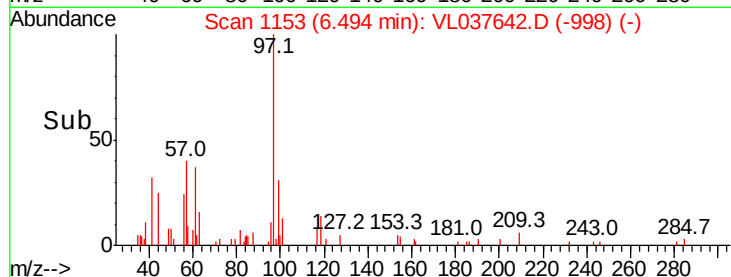
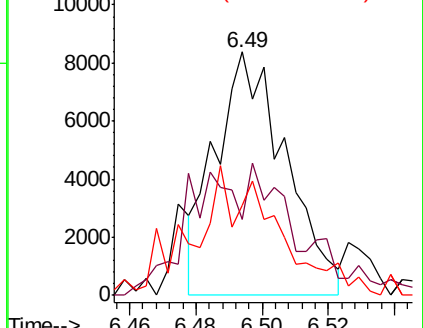
61 63.8 39.5 59.3#



Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

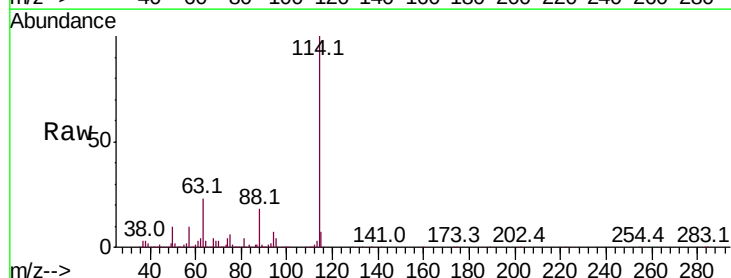
Tgt Ion: 114 Resp: 4142567

Ion Ratio Lower Upper

114 100

63 24.5 19.6 29.4

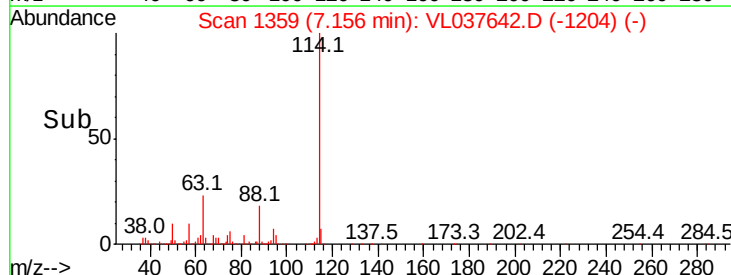
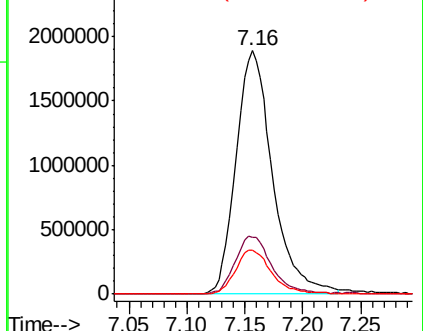
88 18.1 14.2 21.4

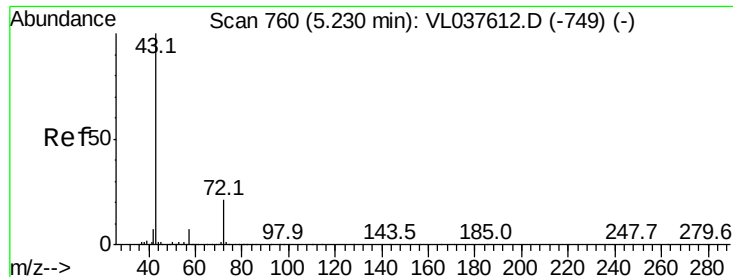


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

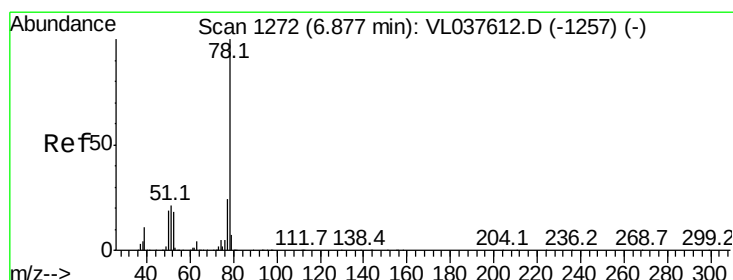
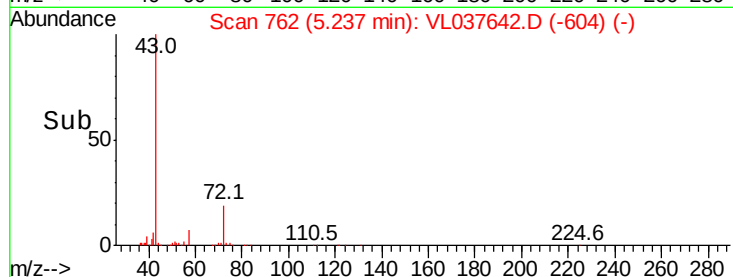
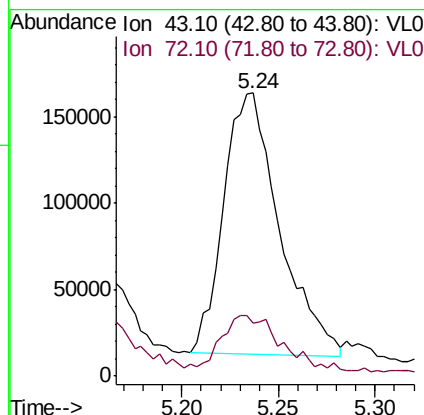
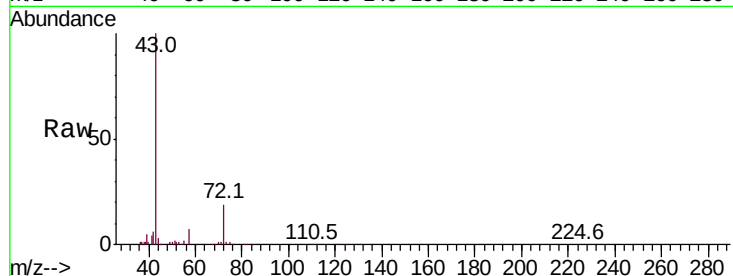




#34
 2-Butanone
 Concen: 1.797 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL037642.D
 Acq: 17 Sep 2021 15:23

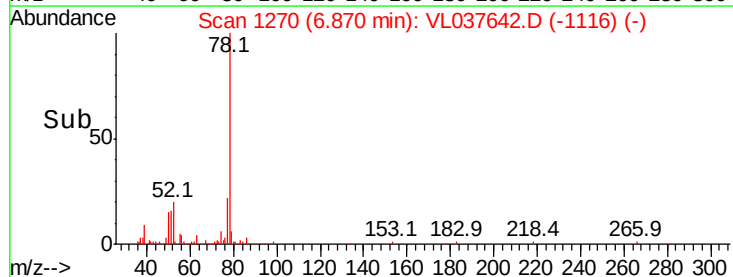
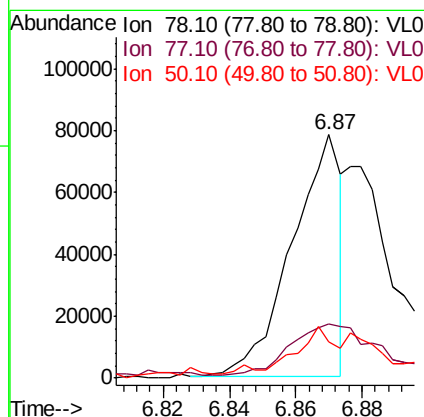
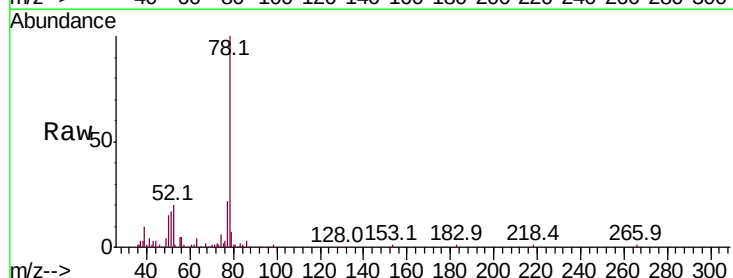
Instrument :
 MSVOA_L
 ClientSampleId :

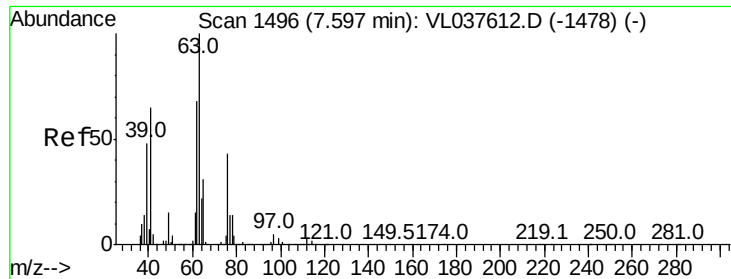
Tot Ion: 43 Resp: 302572
 Ion Ratio Lower Upper
 43 100
 72 28.3 18.4 27.6#



#36
 Benzene
 Concen: 0.233 ppbv
 RT: 6.87 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VL037642.D
 Acq: 17 Sep 2021 15:23

Tgt Ion: 78 Resp: 80489
 Ion Ratio Lower Upper
 78 100
 77 20.2 19.0 28.4
 50 10.6 14.8 22.2#





#39

1,2-Dichloropropane

Concen: 7.373 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.44 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

ClientSampleId :

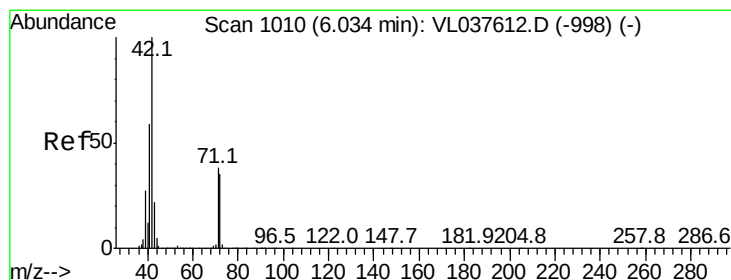
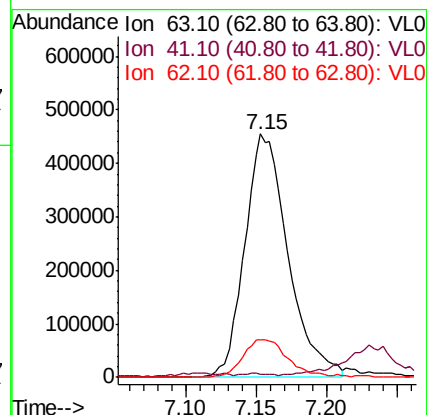
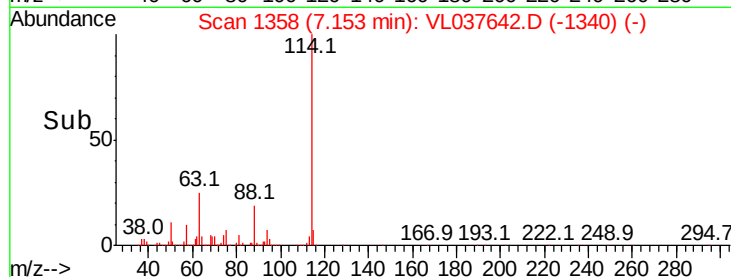
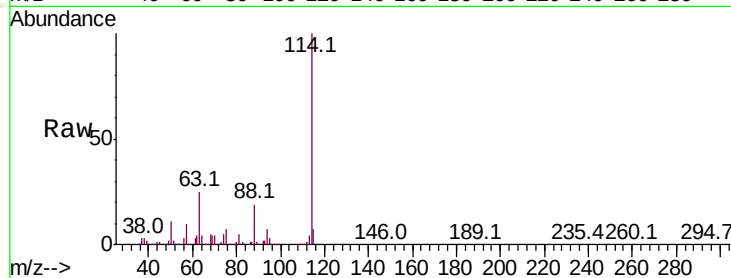
Tot Ion: 63 Resp: 975542

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 15.6 54.6 81.8#



#41

Tetrahydrofuran

Concen: 0.099 ppbv

RT: 5.97 min Scan# 990

Delta R.T. -0.06 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

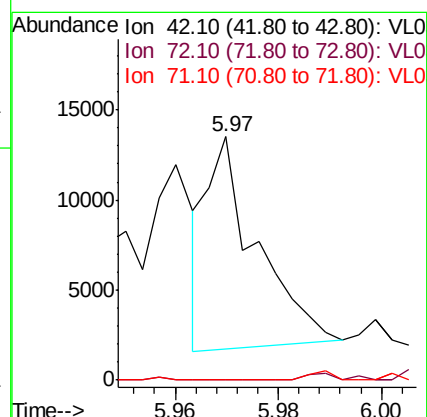
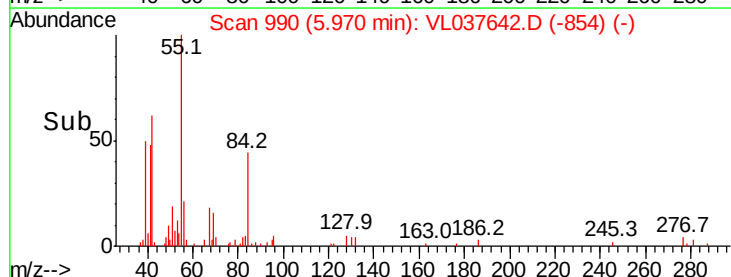
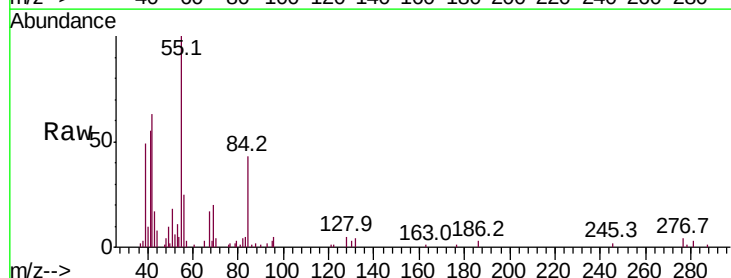
Tgt Ion: 42 Resp: 7874

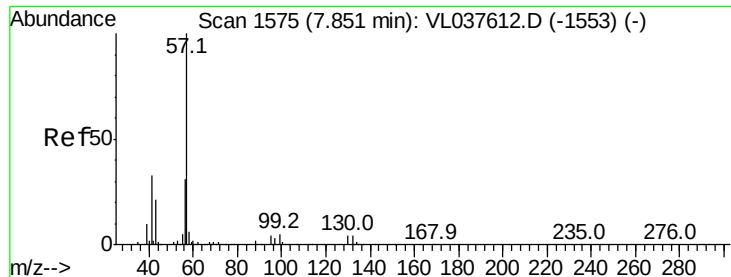
Ion Ratio Lower Upper

42 100

72 61.0 31.4 47.2#

71 26.3 30.6 46.0#





#44

2,2,4-Trimethylpentane

Concen: 0.036 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :
MSVOA_L
ClientSampled :

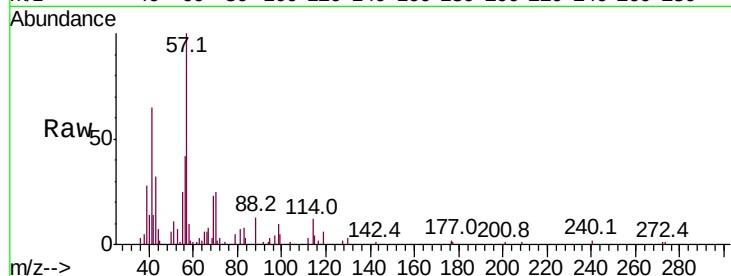
Tot Ion: 57 Resp: 20919

Ion Ratio Lower Upper

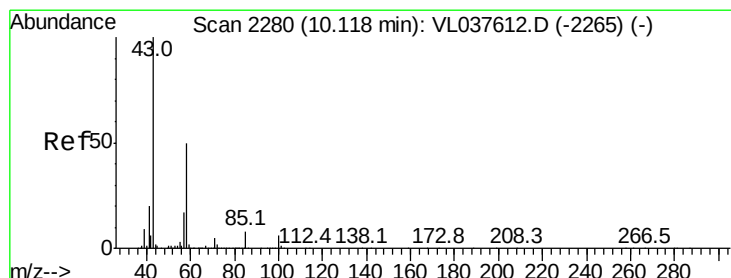
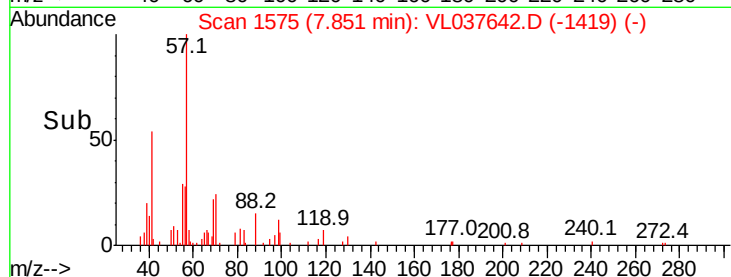
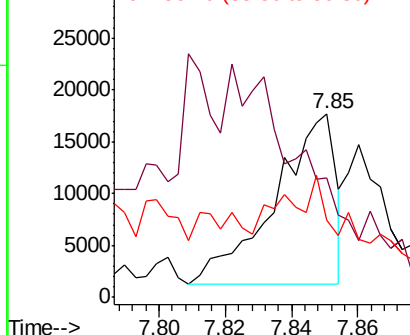
57 100

41 0.0 26.1 39.1#

56 137.7 25.7 38.5#



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



#51

2-Hexanone

Concen: 1.178 ppbv

RT: 10.12 min Scan# 2282

Delta R.T. 0.01 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

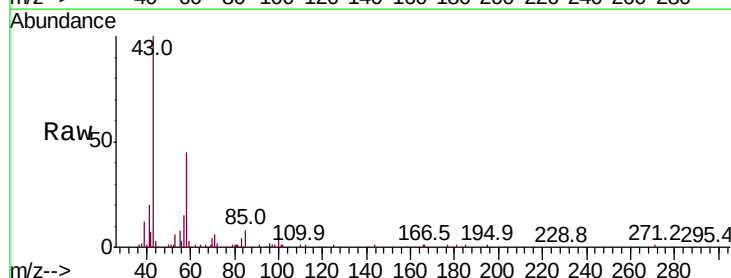
Tgt Ion: 43 Resp: 111048

Ion Ratio Lower Upper

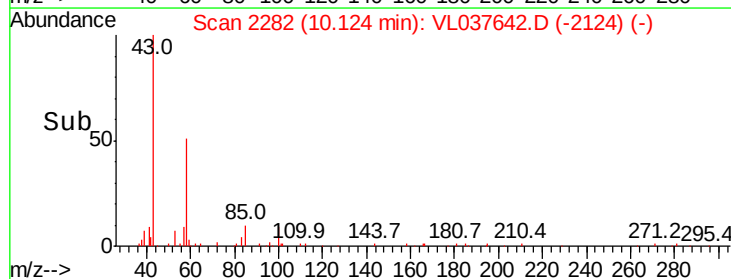
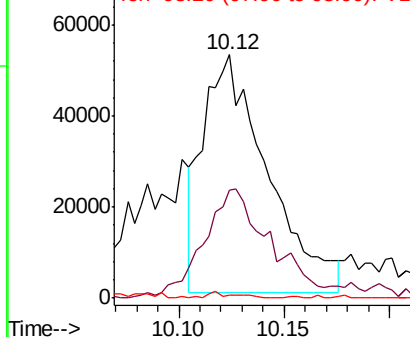
43 100

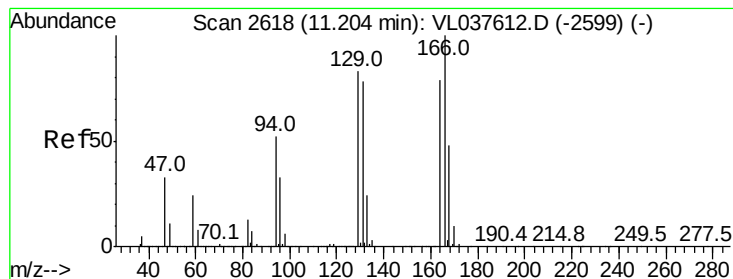
58 51.5 39.3 58.9

98 1.0 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0





#52

Tetrachloroethene

Concen: 1.901 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 252072

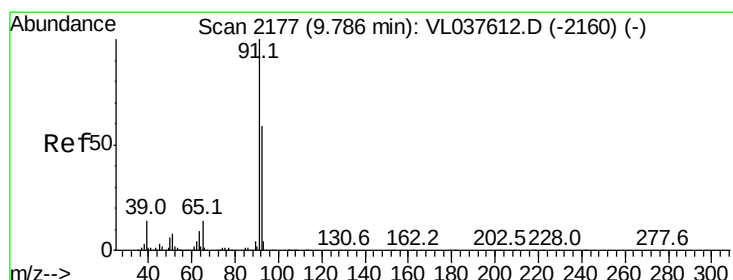
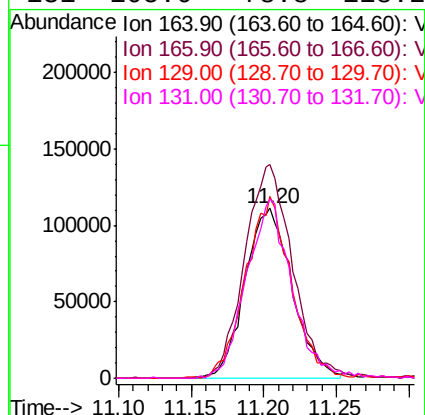
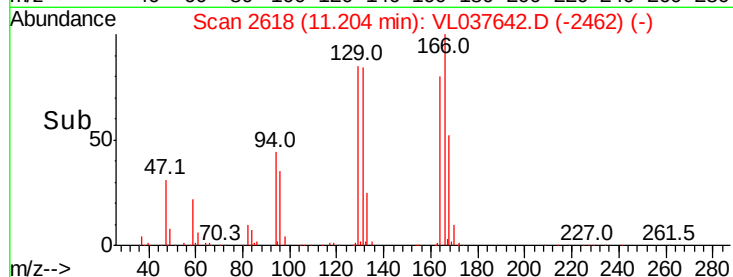
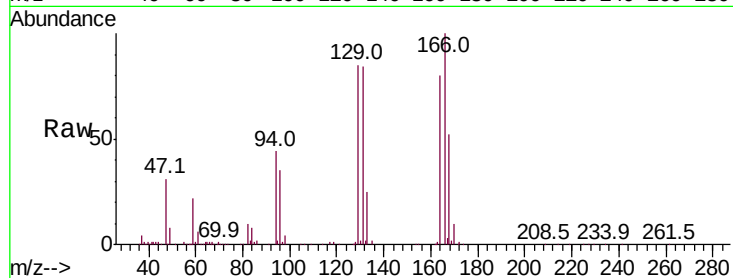
Ion Ratio Lower Upper

164 100

166 125.4 101.2 151.8

129 106.7 84.0 126.0

131 105.0 78.8 118.2



#53

Toluene

Concen: 0.719 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037642.D

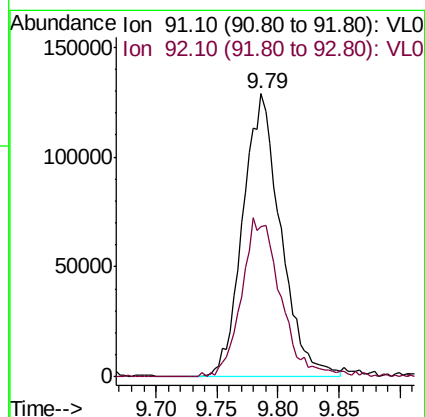
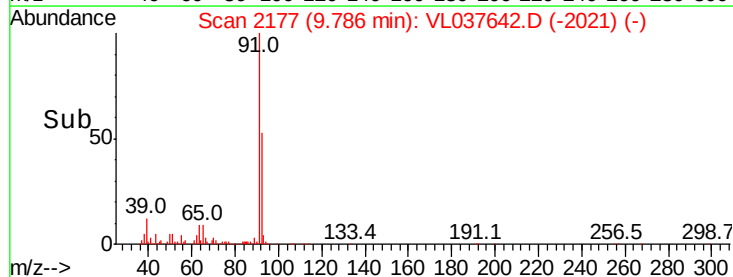
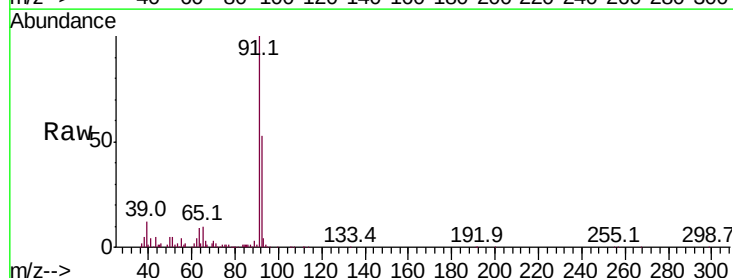
Acq: 17 Sep 2021 15:23

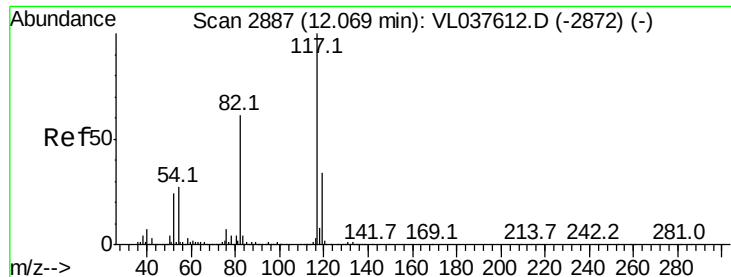
Tgt Ion: 91 Resp: 275933

Ion Ratio Lower Upper

91 100

92 58.4 48.9 73.3

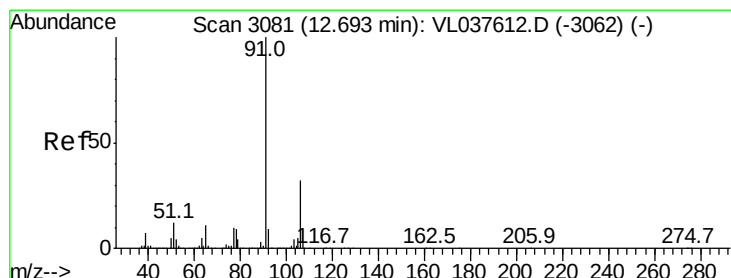
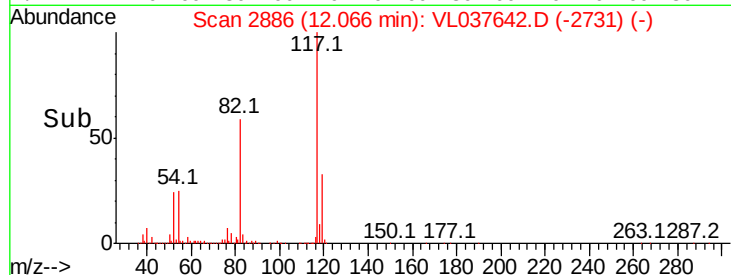
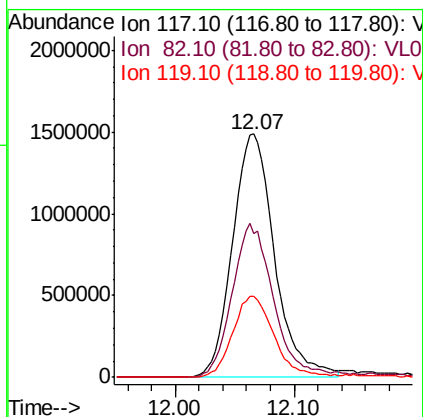
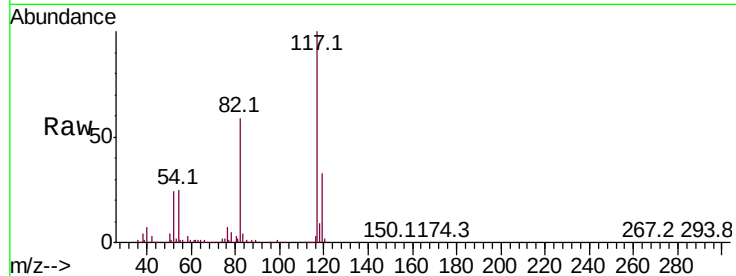




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

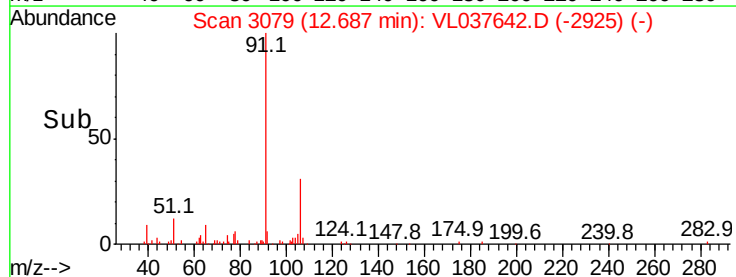
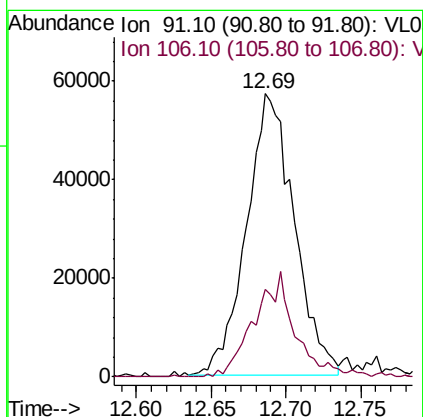
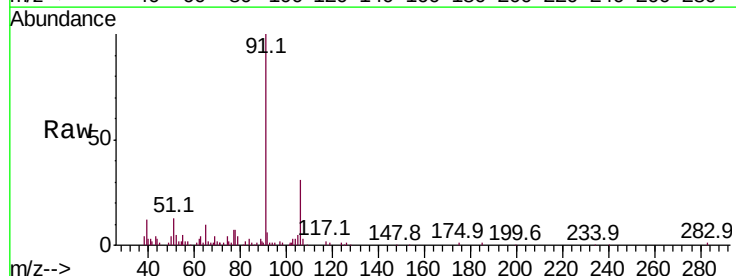
Instrument :
MSVOA_L
ClientSampleId :

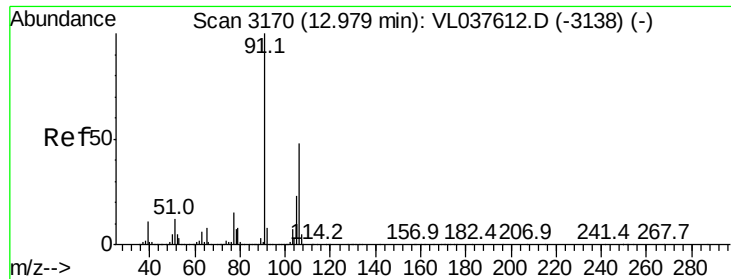
Tot Ion:117 Resp: 3637482
Ion Ratio Lower Upper
117 100
82 64.8 50.6 75.8
119 34.3 26.2 39.2



#58
Ethyl Benzene
Concen: 0.264 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

Tgt Ion: 91 Resp: 127581
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9

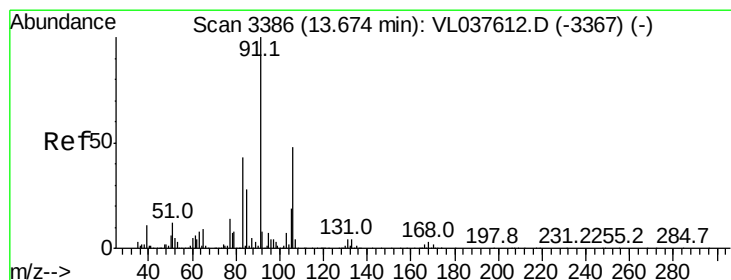
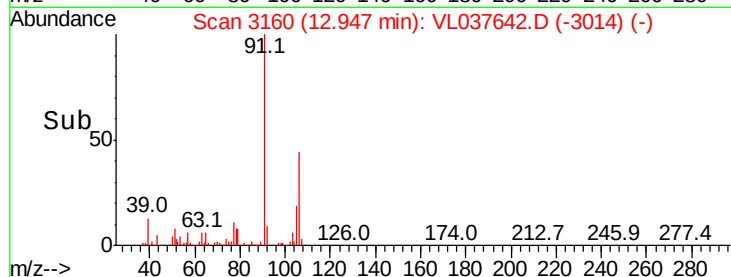
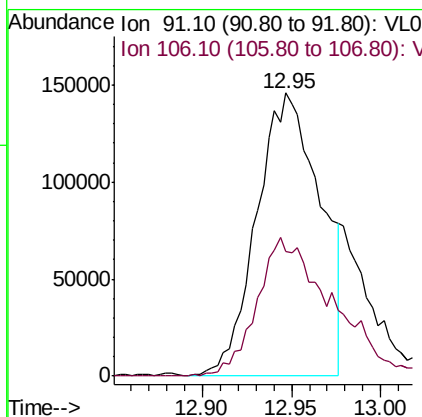
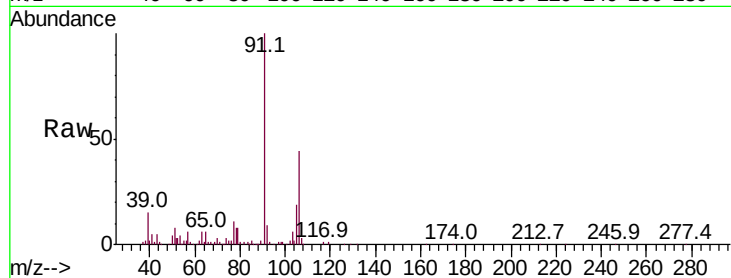




#59
m/p-Xylene
Concen: 0.857 ppbv
RT: 12.95 min Scan# 3160
Delta R.T. -0.03 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

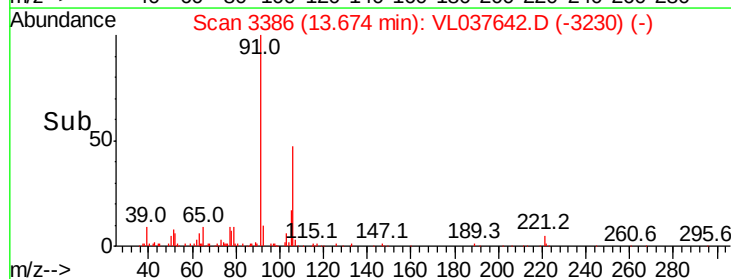
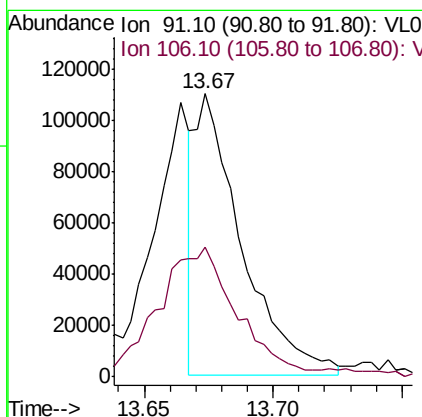
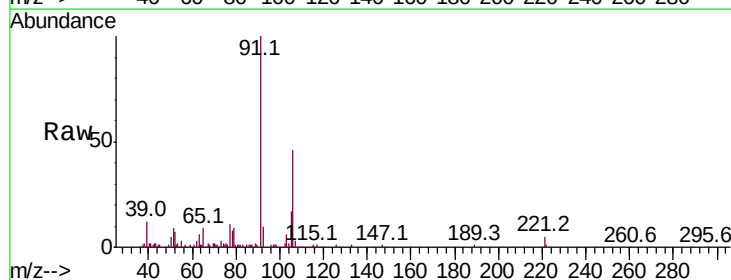
Instrument :
MSVOA_L
ClientSampleId :

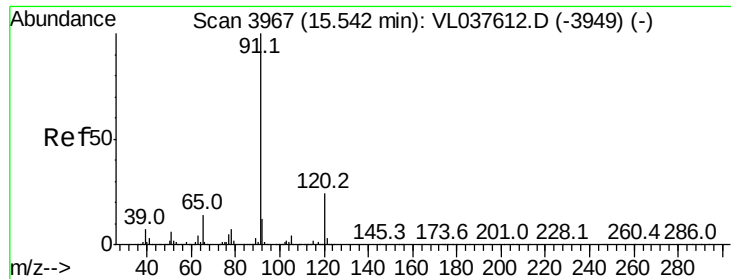
Tot Ion: 91 Resp: 360755
Ion Ratio Lower Upper
91 100
106 59.1 36.6 55.0#



#60
o-Xylene
Concen: 0.343 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

Tgt Ion: 91 Resp: 137212
Ion Ratio Lower Upper
91 100
106 83.9 23.0 69.0#

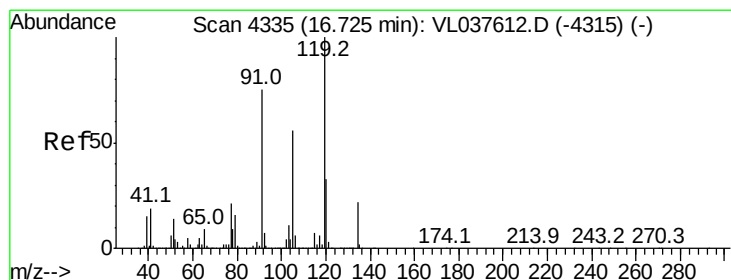
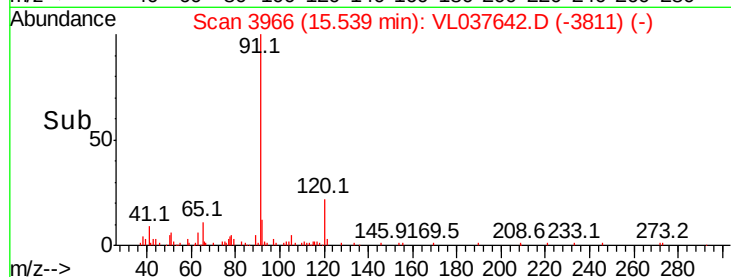
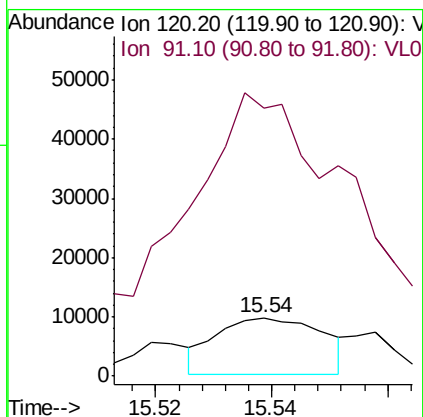
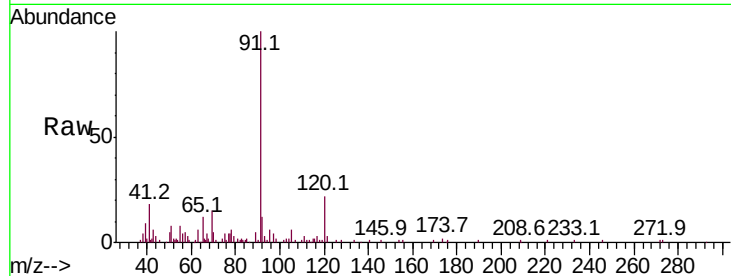




#64
n-propylbenzene
Concen: 0.085 ppbv
RT: 15.54 min Scan# 3966
Delta R.T. -0.00 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

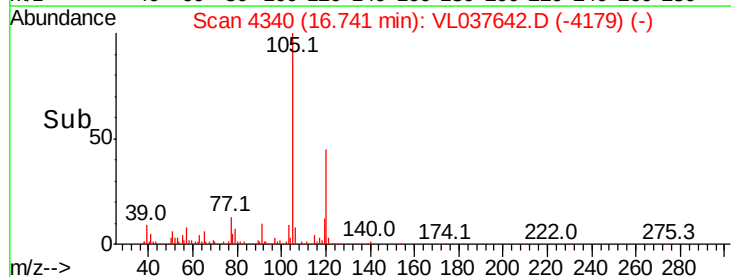
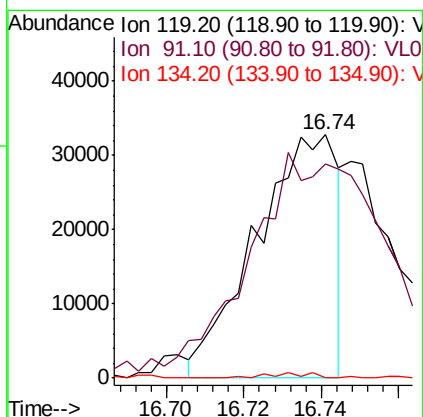
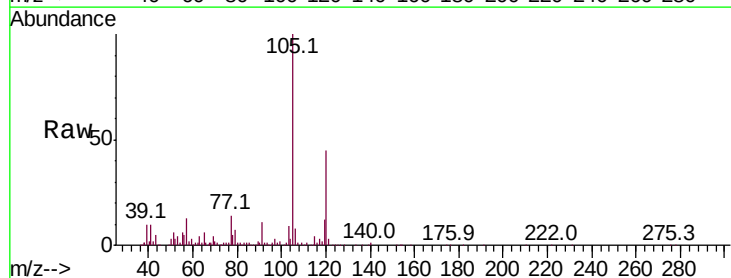
Instrument :
MSVOA_L
ClientSampleId :

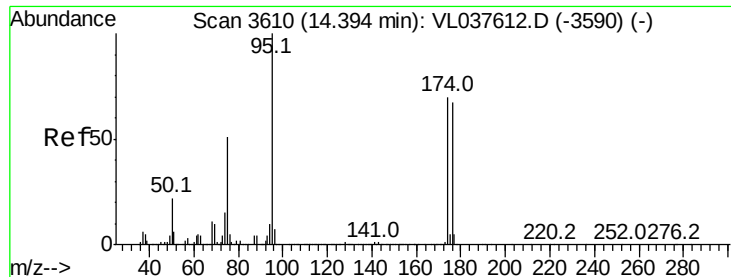
Tot Ion:120 Resp: 12217
Ion Ratio Lower Upper
120 100
91 946.1 345.0 517.4#



#65
tert-Butylbenzene
Concen: 0.095 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.02 min
Lab File: VL037642.D
Acq: 17 Sep 2021 15:23

Tgt Ion:119 Resp: 47944
Ion Ratio Lower Upper
119 100
91 158.2 61.9 92.9#
134 1.3 16.5 24.7#



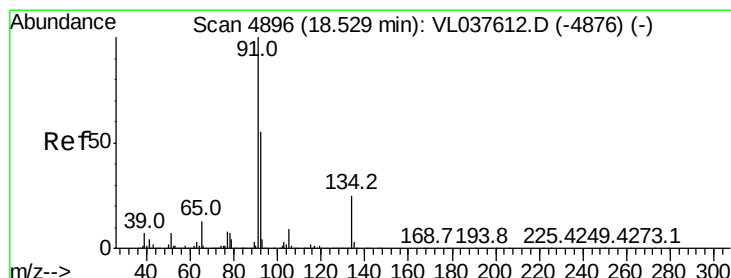
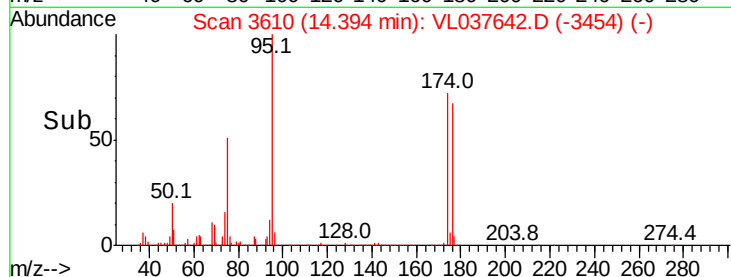
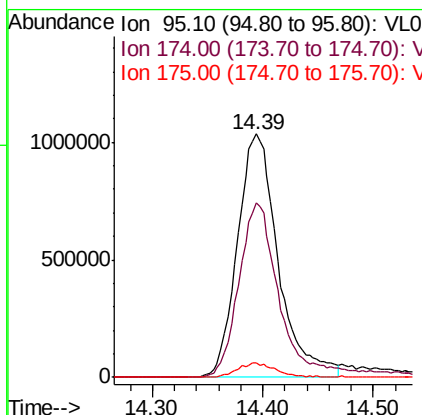
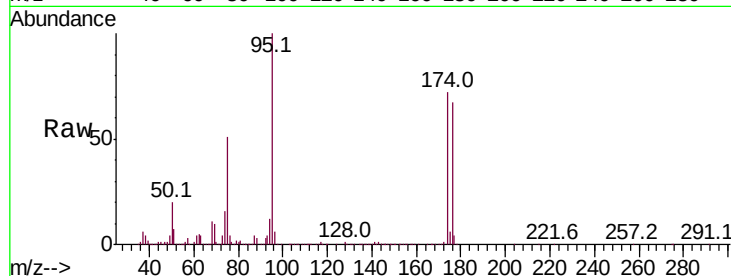


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.092 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VL037642.D
 Acq: 17 Sep 2021 15:23

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 2653085

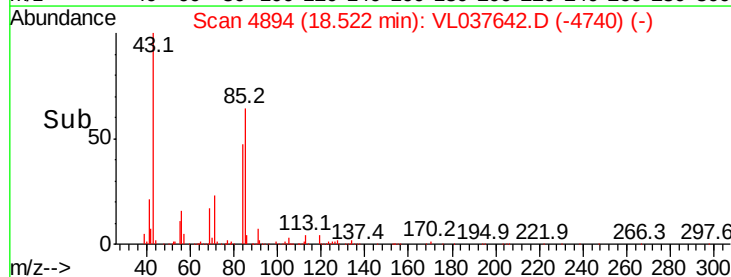
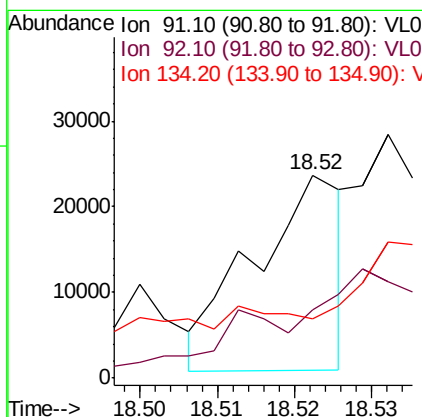
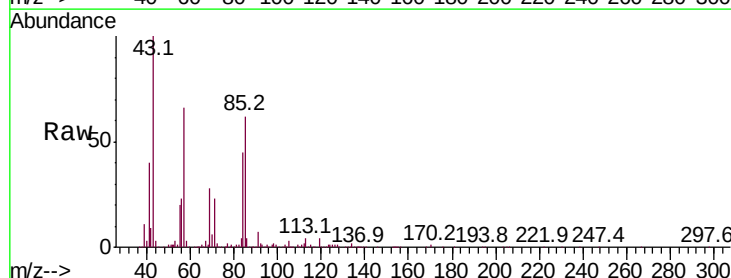
Ion	Ratio	Lower	Upper
95	100		
174	74.9	56.3	84.5
175	5.8	4.4	6.6

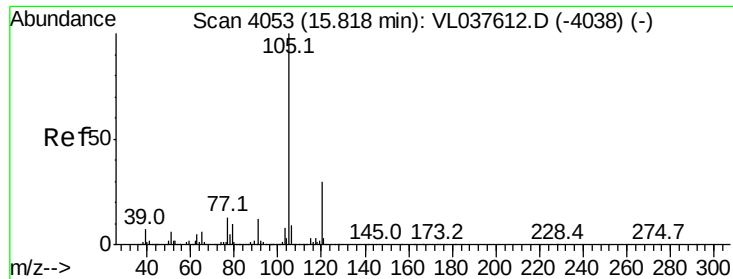


#70
 n-Butylbenzene
 Concen: 0.035 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.01 min
 Lab File: VL037642.D
 Acq: 17 Sep 2021 15:23

Tgt Ion: 91 Resp: 18314

Ion	Ratio	Lower	Upper
91	100		
92	0.0	44.0	66.0#
134	0.0	19.5	29.3#





#72

4-Ethyltoluene

Concen: 0.213 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 97908

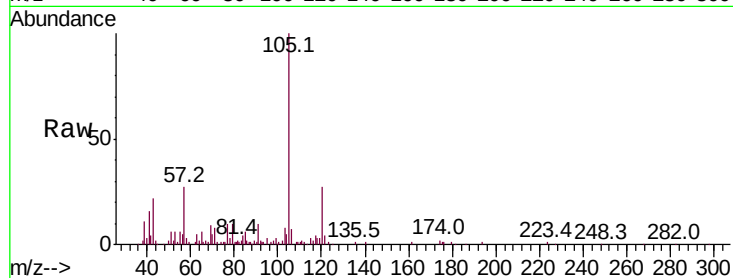
Ion Ratio Lower Upper

105 100

120 43.7 24.7 37.1#

91 0.0 9.9 14.9#

77 25.6 10.5 15.7#

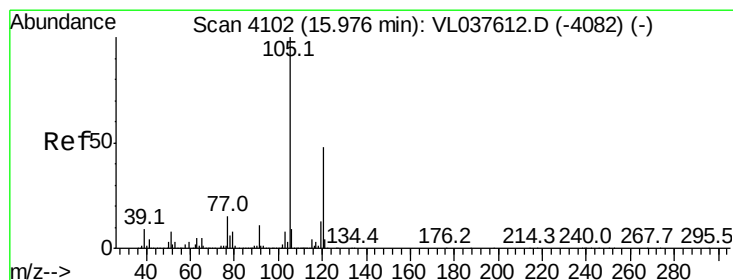
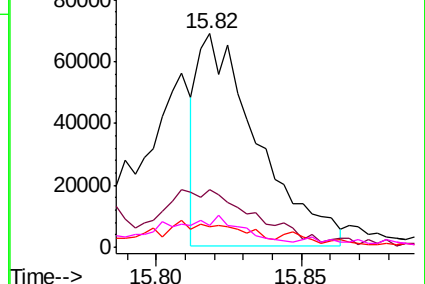
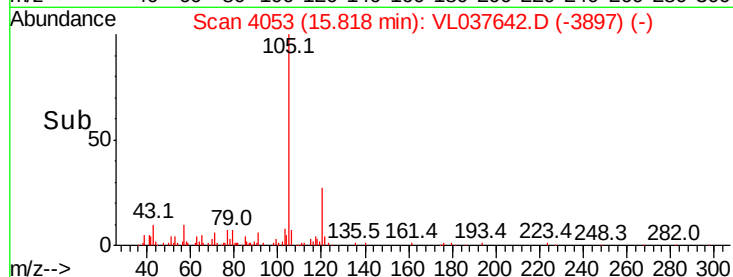


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.375 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037642.D

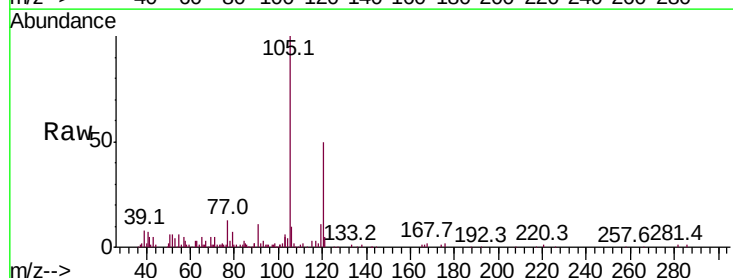
Acq: 17 Sep 2021 15:23

Tgt Ion:105 Resp: 160814

Ion Ratio Lower Upper

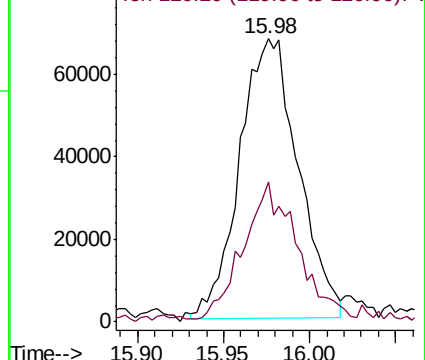
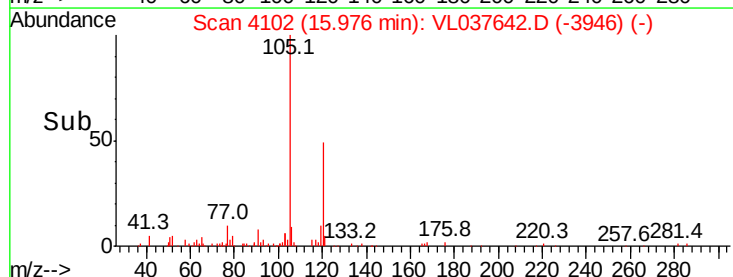
105 100

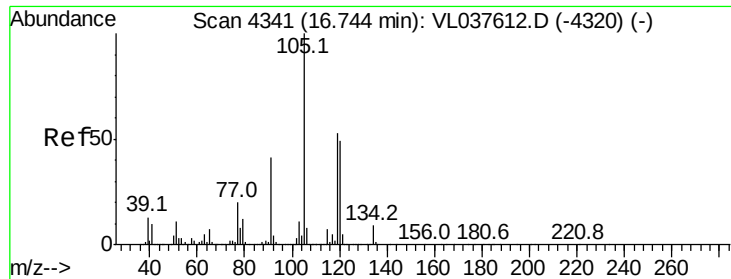
120 50.2 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 1.458 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL037642.D

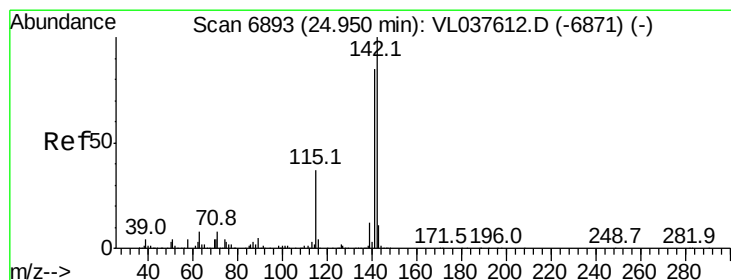
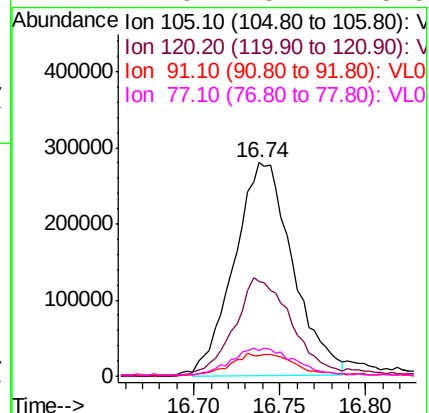
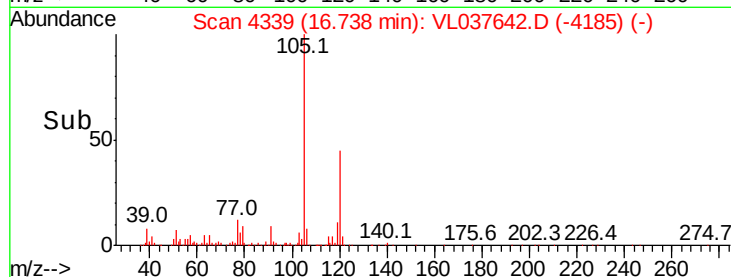
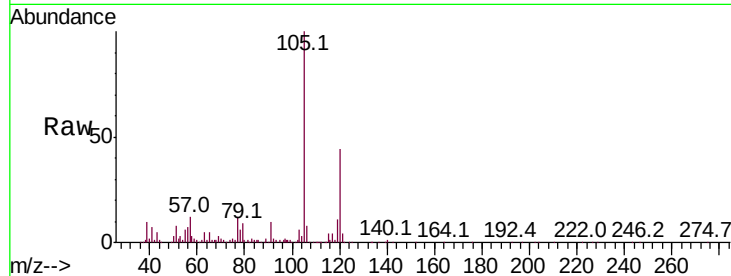
Acq: 17 Sep 2021 15:23

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	658259
Ion	Ratio	Lower	Upper
105	100		
120	43.6	39.4	59.0
91	9.3	33.3	49.9#
77	11.6	15.7	23.5#



#80

Naphthalene, 2-methyl-

Concen: 0.091 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. 0.01 min

Lab File: VL037642.D

Acq: 17 Sep 2021 15:23

Tgt Ion:	142	Resp:	5753
Ion	Ratio	Lower	Upper
142	100		
141	81.2	70.9	106.3
115	38.1	29.6	44.4

