

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037632.D
 Acq On : 17 Sep 2021 1:58
 Operator : SY/AP
 Sample : M3780-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:30:08 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	1531626	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4439965	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3852776	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2902938	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	18658	0.067	ppbv 88
3) Chlorodifluoromethane	2.98	51	249322	0.863	ppbv # 80
4) Chloromethane	3.13	50	6869	0.064	ppbv # 82
7) Chloroethane	3.54	64	2613	0.070	ppbv # 86
9) Propene	3.20	41	1212037	11.894	ppbv 99
10) Heptane	8.11	43	111028	0.467	ppbv 97
13) Ethanol	3.59	45	1316098	132.033	ppbv 94
15) Acetone	3.83	43	4989226	31.352	ppbv 99
16) 1,3-Butadiene	3.30	39	169136	1.701	ppbv # 22
17) tert-Butyl alcohol	4.28	59	63565	0.471	ppbv # 83
19) Isopropyl Alcohol	3.99	45	27592	0.319	ppbv # 89
20) Methylene Chloride	4.33	84	98341	1.294	ppbv 96
23) Vinyl Acetate	5.05	43	341724	1.552	ppbv # 92
25) Ethyl Acetate	5.67	43	658210	1.708	ppbv # 80
26) Hexane	5.67	57	859074	4.692	ppbv # 38
27) Carbon Disulfide	4.53	76	13727	0.082	ppbv # 50
28) Methyl tert-Butyl Ether	5.03	73	12536	0.078	ppbv # 50
29) Chloroform	5.73	83	1077621	4.031	ppbv 93
34) 2-Butanone	5.23	43	564891	3.131	ppbv 93
36) Benzene	6.88	78	15075	0.041	ppbv # 87
39) 1,2-Dichloropropane	7.15	63	1039587	7.331	ppbv # 27
41) Tetrahydrofuran	6.04	42	59037	0.696	ppbv # 82
44) 2,2,4-Trimethylpentane	7.84	57	93380	0.150	ppbv # 8
50) 4-Methyl-2-Pentanone	8.74	43	17432	0.076	ppbv # 82
51) 2-Hexanone	10.11	43	348786	3.452	ppbv # 95
52) Tetrachloroethene	11.20	164	82080	0.577	ppbv 90
53) Toluene	9.78	91	374897	0.911	ppbv 97
58) Ethyl Benzene	12.69	91	207004	0.405	ppbv 91
59) m/p-Xylene	12.95	91	709240	1.591	ppbv 95
60) o-Xylene	13.66	91	188062	0.443	ppbv # 30
64) n-propylbenzene	15.54	120	23129	0.151	ppbv # 1
65) tert-Butylbenzene	16.74	119	115685	0.217	ppbv # 73
66) Benzyl Chloride	16.95	91	1245	0.043	ppbv # 1
70) n-Butylbenzene	18.53	91	48820	0.087	ppbv # 52
72) 4-Ethyltoluene	15.81	105	106323	0.218	ppbv # 52
73) 1,3,5-Trimethylbenzene	15.97	105	96607	0.213	ppbv 90
74) 1,2,4-Trimethylbenzene	16.74	105	1061612	2.221	ppbv # 72
79) Naphthalene	22.16	128	22485	0.077	ppbv # 74
80) Naphthalene,2-methyl-	24.96	142	17376	0.259	ppbv # 89

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Quant Time: Sep 17 05:30:08 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

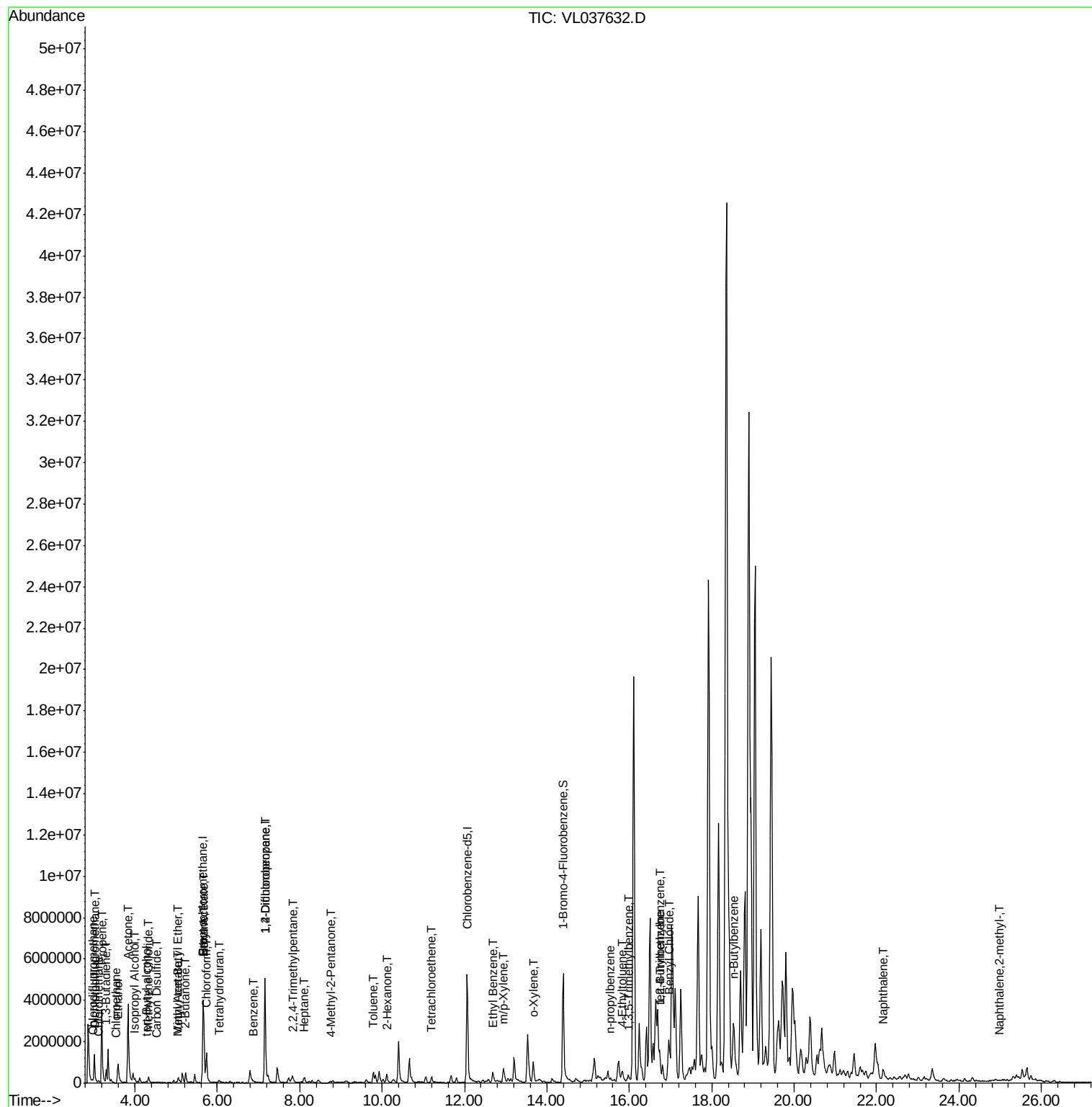
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

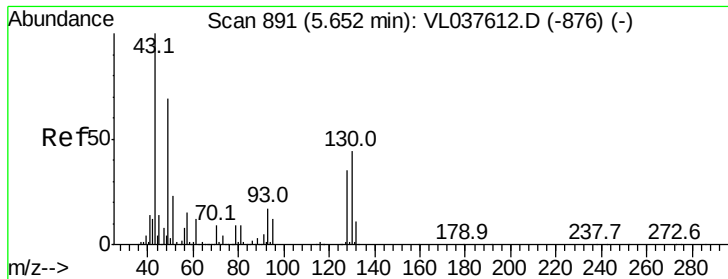
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Thu Sep 16 13:42:46 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :

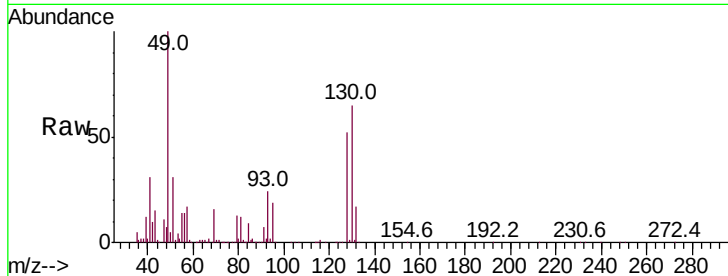
Tot Ion: 49 Resp: 1531626

Ion Ratio Lower Upper

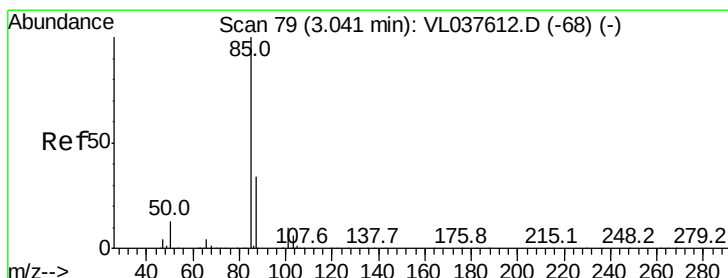
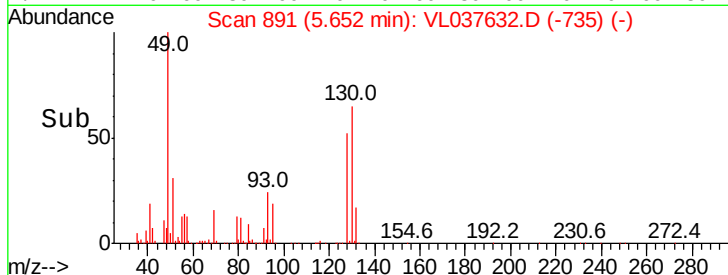
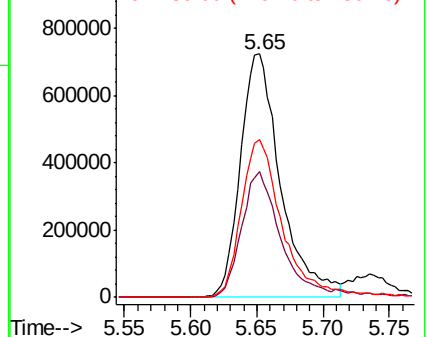
49 100

128 53.0 27.9 83.6

130 67.9 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: 0.067 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL037632.D

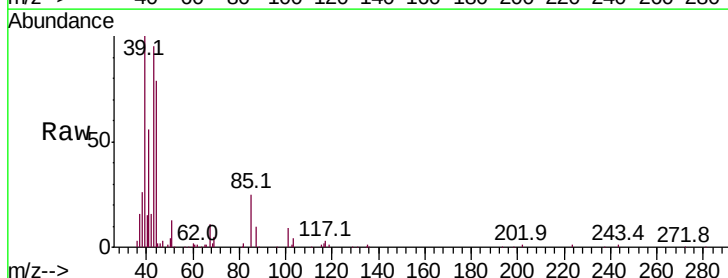
Acq: 17 Sep 2021 1:58

Tgt Ion: 85 Resp: 18658

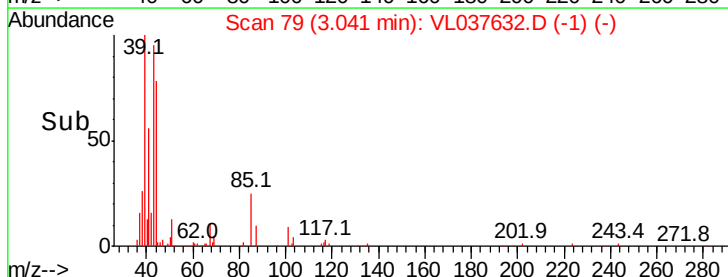
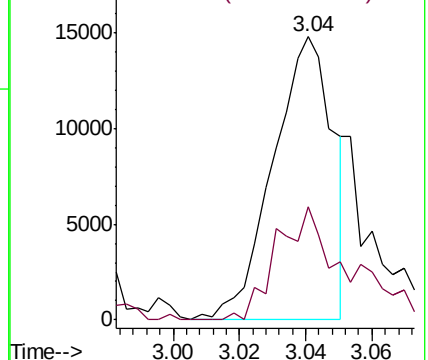
Ion Ratio Lower Upper

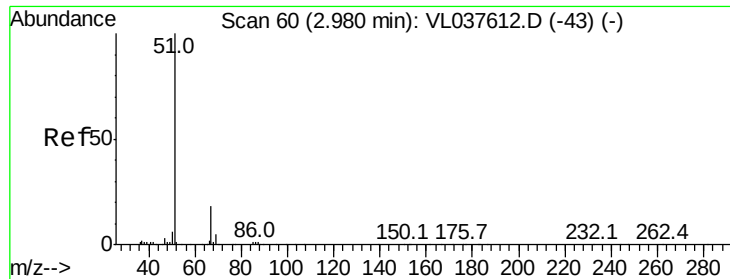
85 100

87 40.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

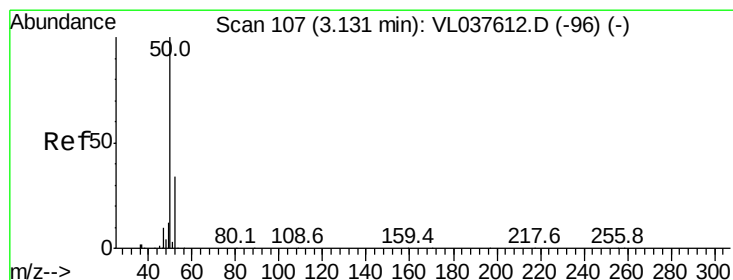
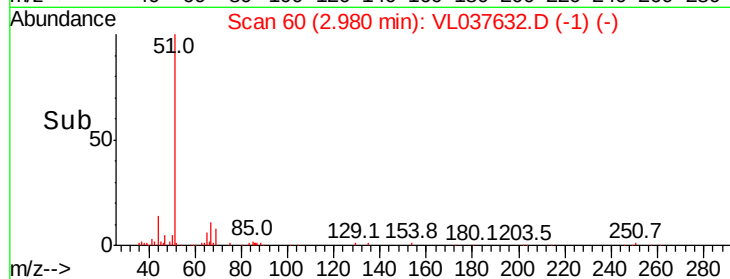
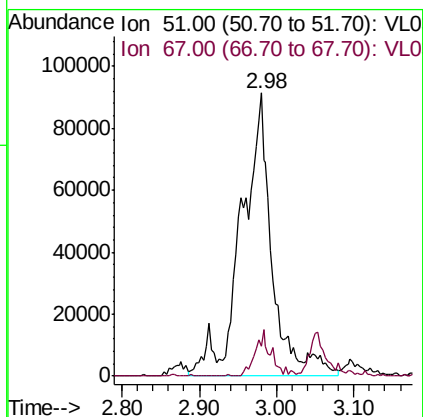
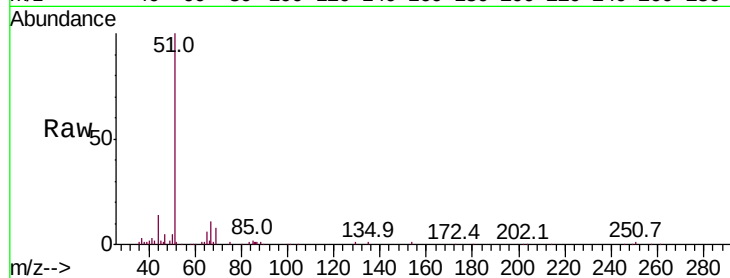




#3
Chlorodifluoromethane
Concen: 0.863 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

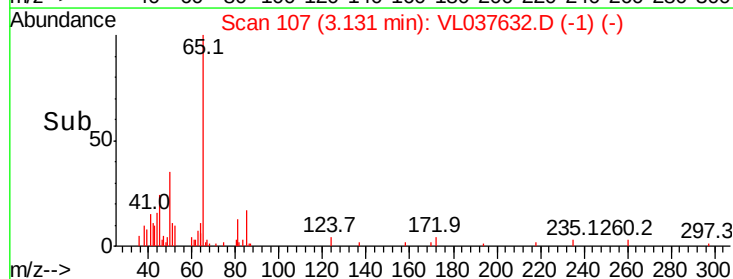
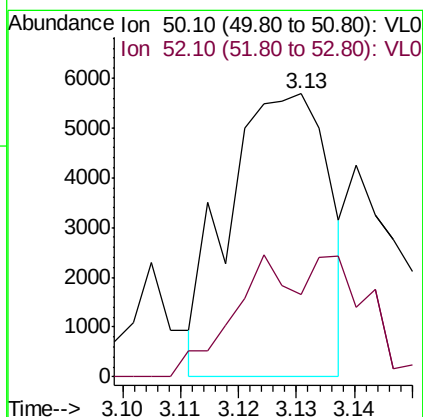
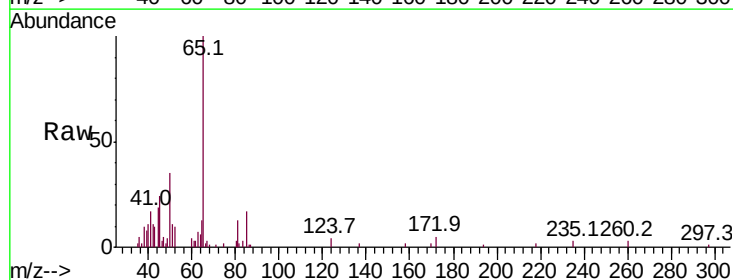
Instrument :
MSVOA_L
ClientSampleId :

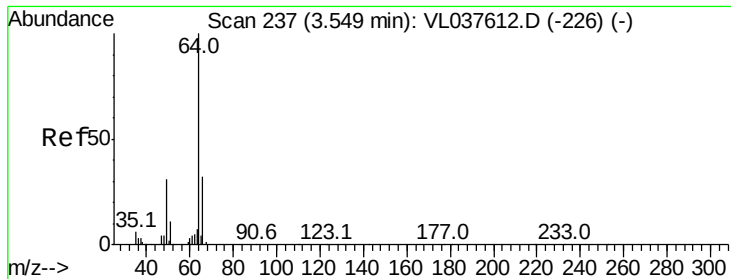
Tot Ion: 51 Resp: 249322
Ion Ratio Lower Upper
51 100
67 8.9 14.0 21.0#



#4
Chloromethane
Concen: 0.064 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

Tgt Ion: 50 Resp: 6869
Ion Ratio Lower Upper
50 100
52 23.7 27.1 40.7#





#7

Chloroethane

Concen: 0.070 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.01 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

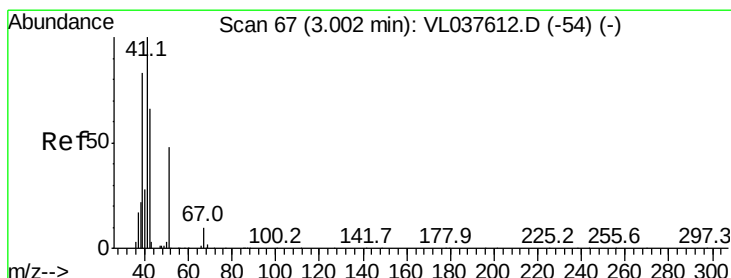
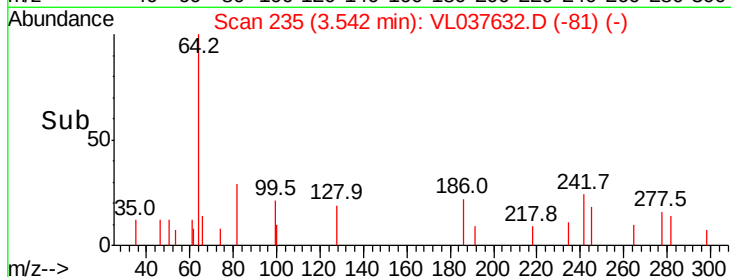
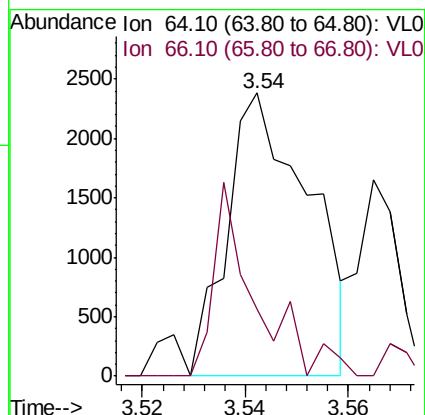
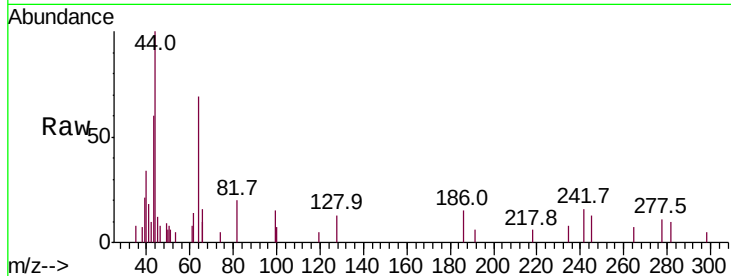
ClientSampleId :

Tot Ion: 64 Resp: 2613

Ion Ratio Lower Upper

64 100

66 23.6 25.3 37.9#



#9

Propene

Concen: 11.894 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.19 min

Lab File: VL037632.D

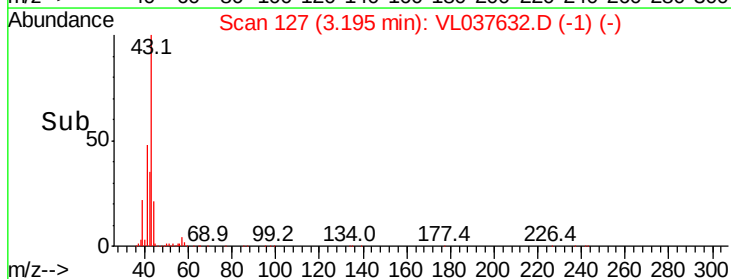
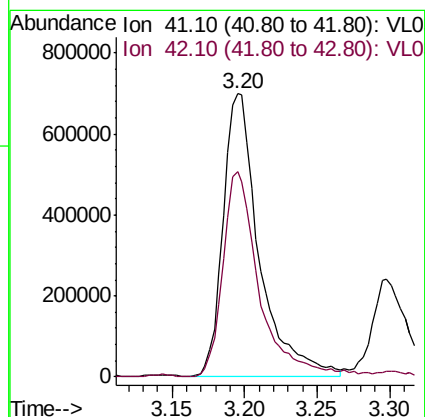
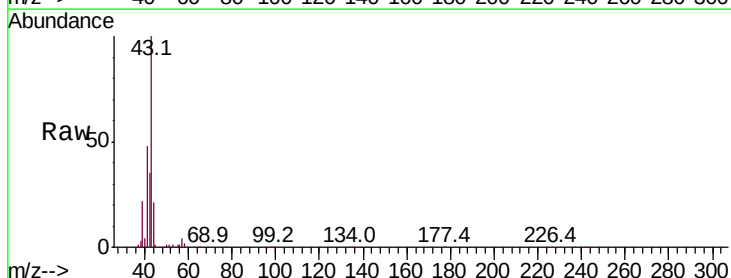
Acq: 17 Sep 2021 1:58

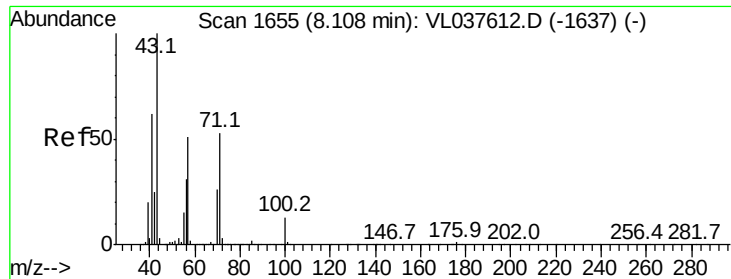
Tgt Ion: 41 Resp: 1212037

Ion Ratio Lower Upper

41 100

42 72.3 57.2 85.8

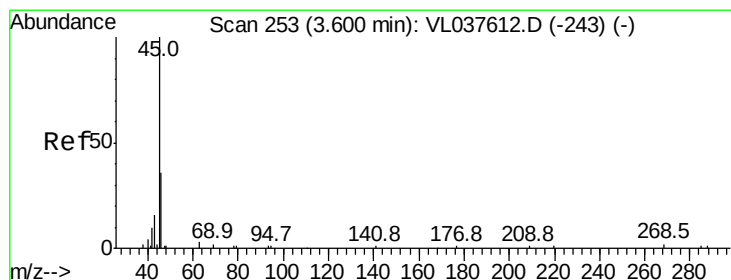
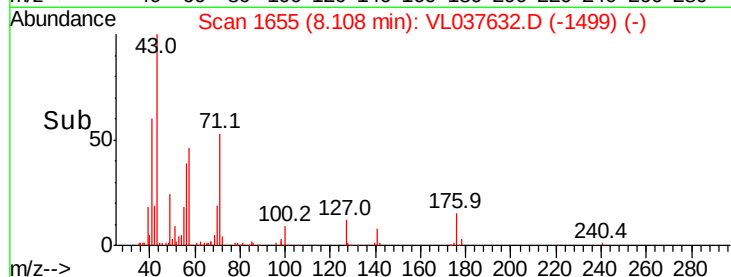
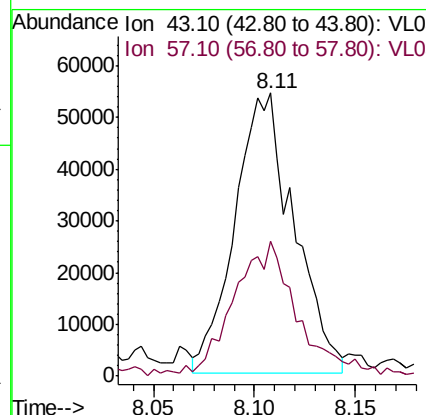
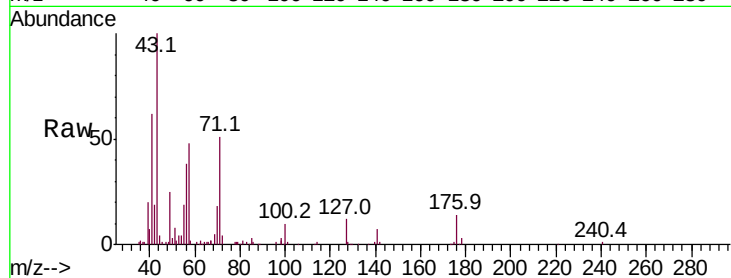




#10
 Heptane
 Concen: 0.467 ppbv
 RT: 8.11 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VL037632.D
 Acq: 17 Sep 2021 1:58

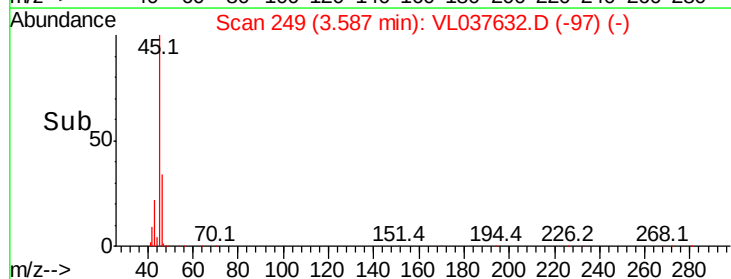
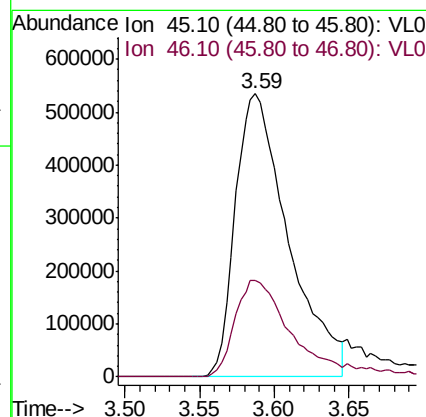
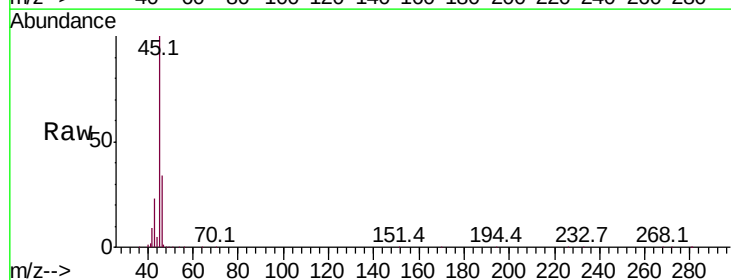
Instrument :
 MSVOA_L
 ClientSampleId :

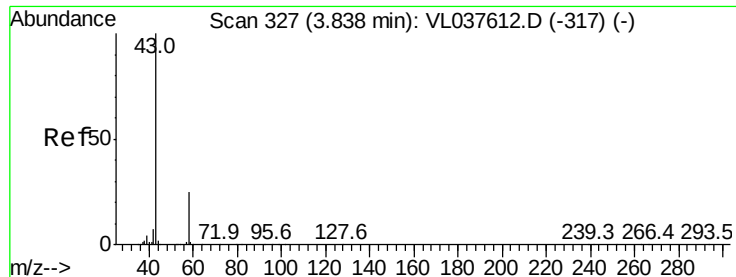
Tot Ion: 43 Resp: 111028
 Ion Ratio Lower Upper
 43 100
 57 48.4 40.1 60.1



#13
 Ethanol
 Concen: 132.033 ppbv
 RT: 3.59 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VL037632.D
 Acq: 17 Sep 2021 1:58

Tgt Ion: 45 Resp: 1316098
 Ion Ratio Lower Upper
 45 100
 46 39.4 17.2 68.8

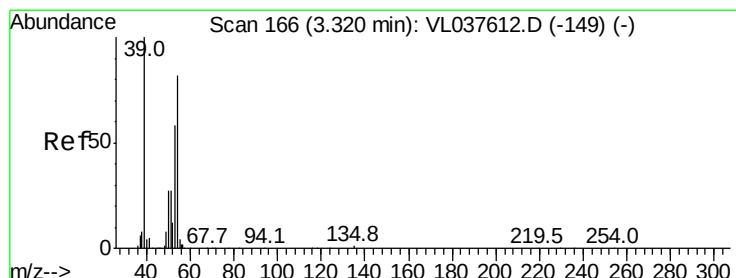
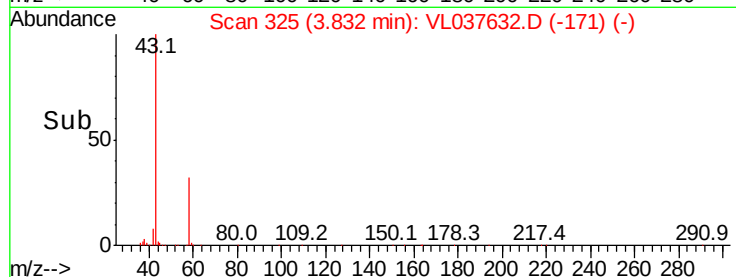
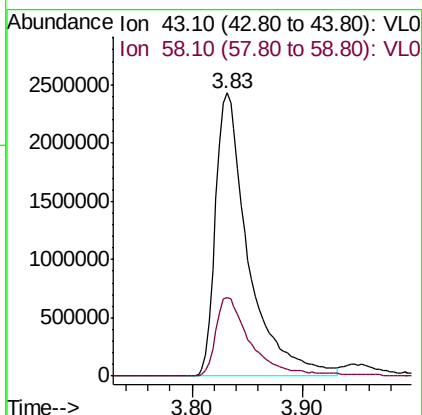
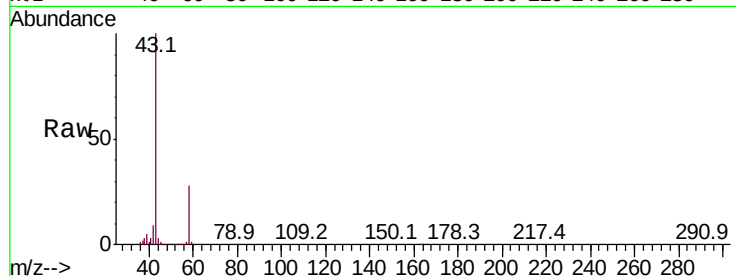




#15
Acetone
Concen: 31.352 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

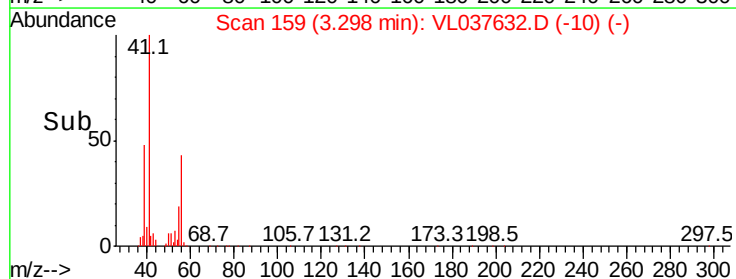
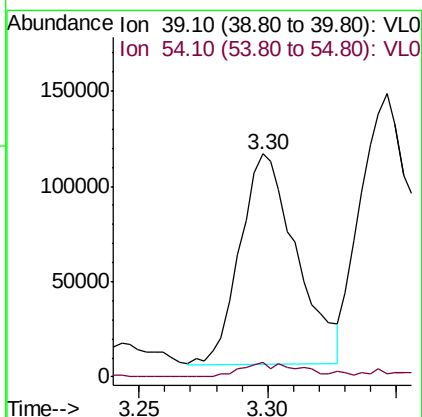
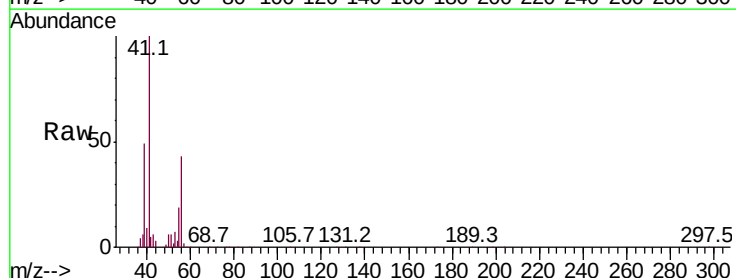
Instrument :
MSVOA_L
ClientSampleId :

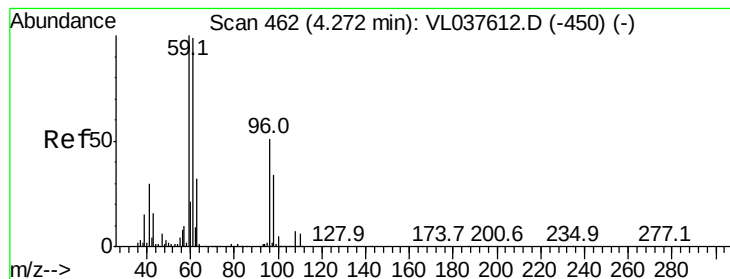
Tot Ion: 43 Resp: 4989226
Ion Ratio Lower Upper
43 100
58 30.7 24.9 37.3



#16
1,3-Butadiene
Concen: 1.701 ppbv
RT: 3.30 min Scan# 159
Delta R.T. -0.02 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

Tgt Ion: 39 Resp: 169136
Ion Ratio Lower Upper
39 100
54 10.3 62.6 93.8#





#17

tert-Butyl alcohol

Concen: 0.471 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.01 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

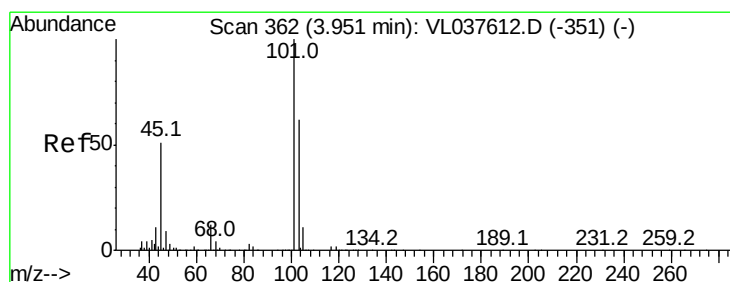
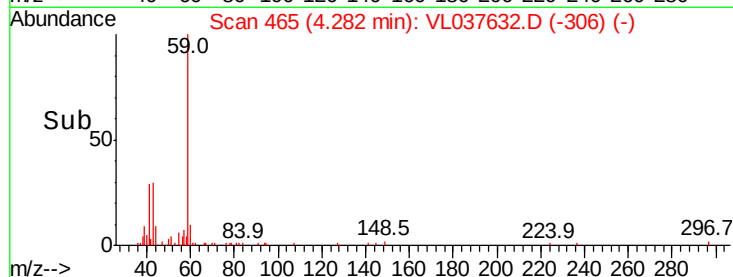
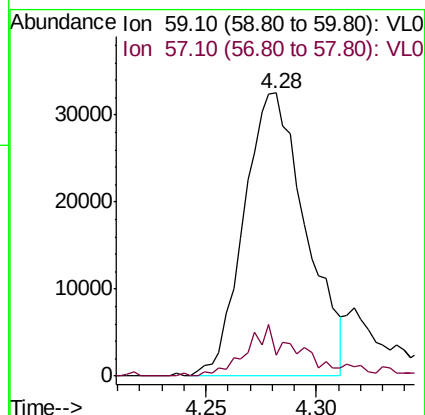
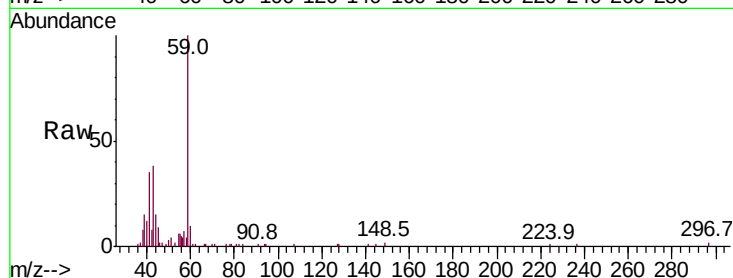
ClientSampleId :

Tot Ion: 59 Resp: 63565

Ion Ratio Lower Upper

59 100

57 16.8 8.4 12.6#



#19

Isopropyl Alcohol

Concen: 0.319 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.04 min

Lab File: VL037632.D

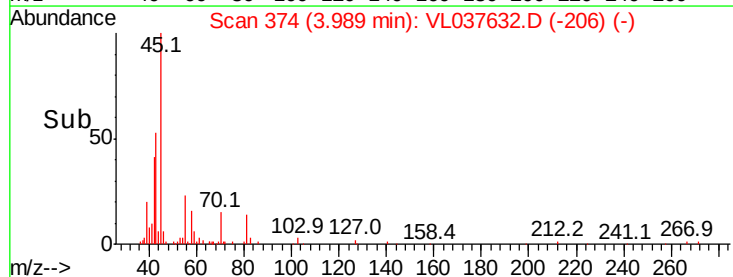
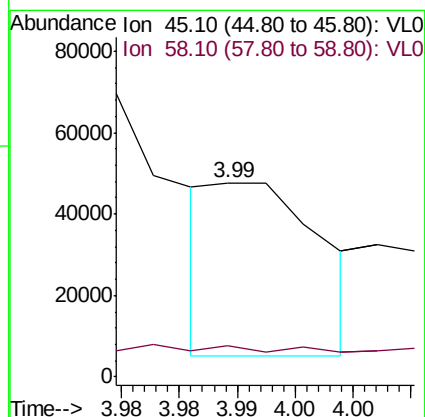
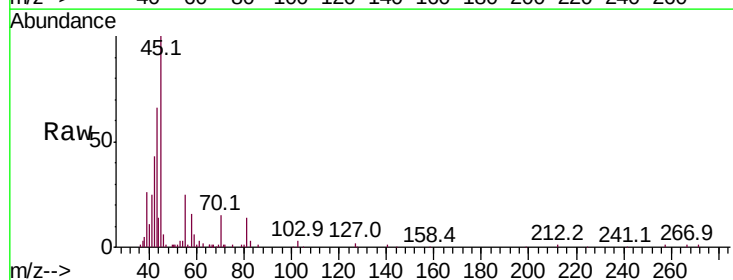
Acq: 17 Sep 2021 1:58

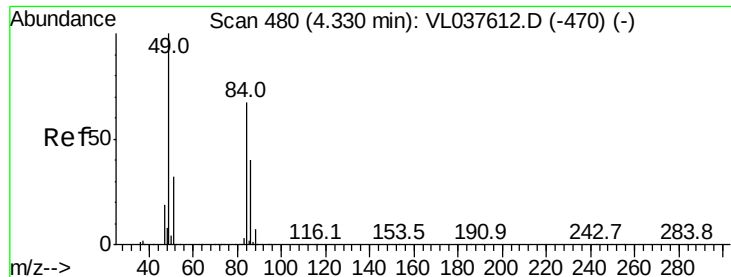
Tgt Ion: 45 Resp: 27592

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#

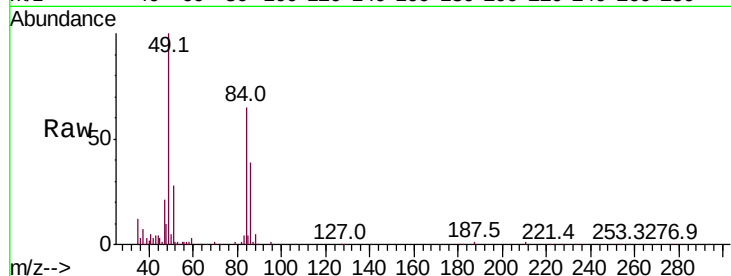




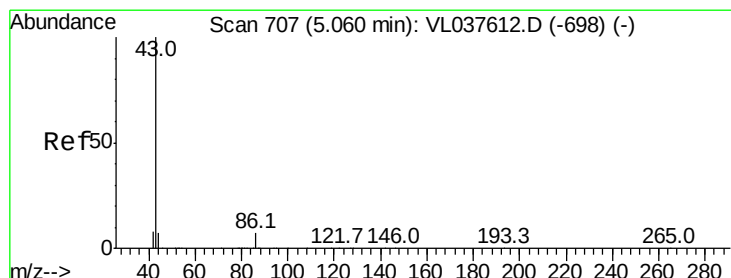
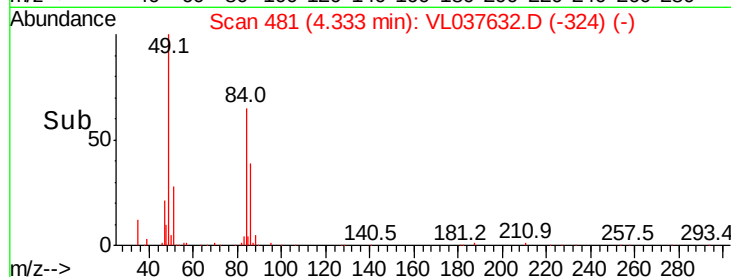
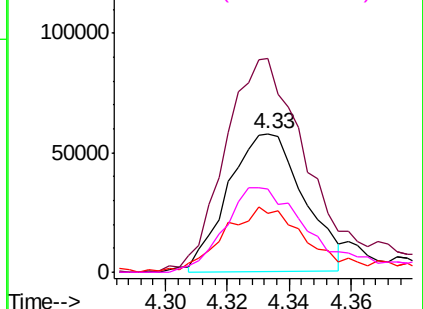
#20
Methylene Chloride
Concen: 1.294 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	98341
Ion	Ratio	Lower	Upper
84	100		
49	147.8	120.0	180.0
51	39.3	38.0	57.0
86	57.0	48.2	72.2

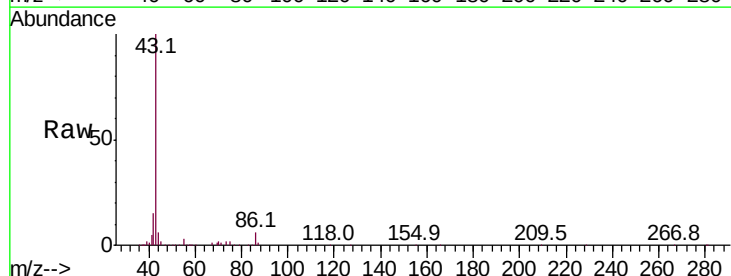


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

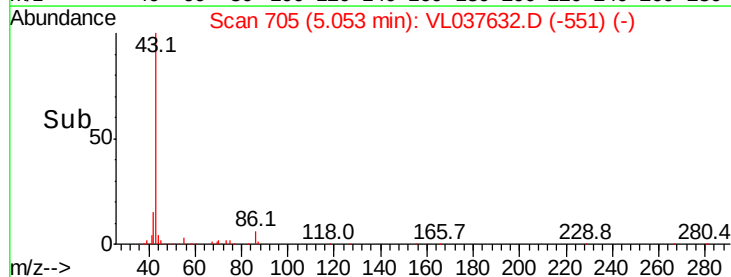
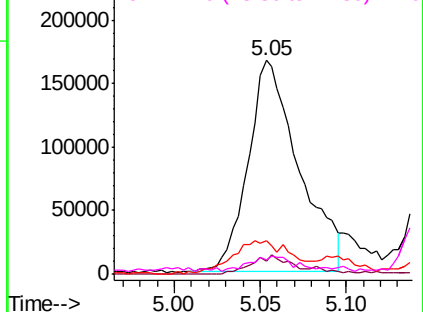


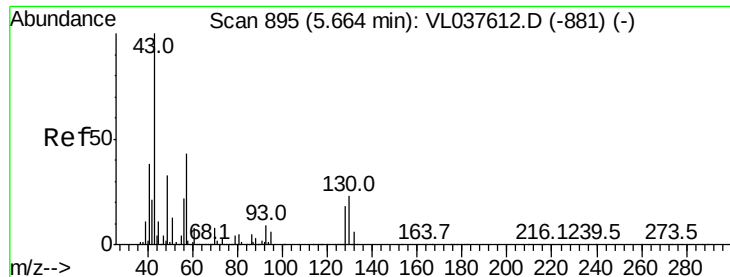
#23
Vinyl Acetate
Concen: 1.552 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.01 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

Tgt Ion:	43	Resp:	341724
Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.0	7.6
42	14.5	7.5	11.3#
44	3.8	4.7	7.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0

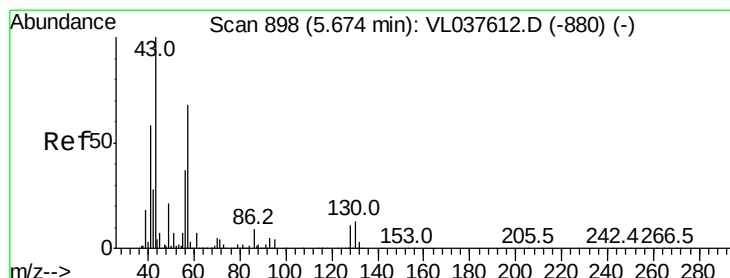
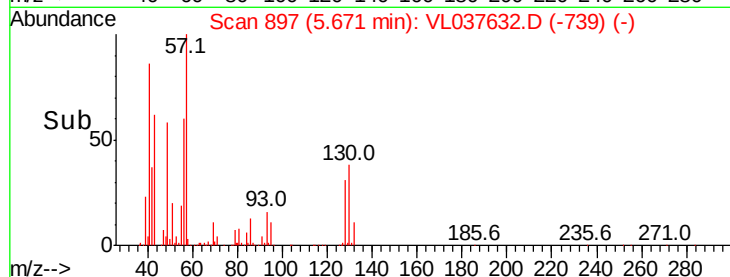
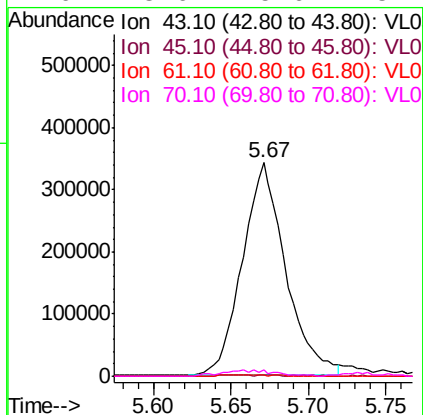
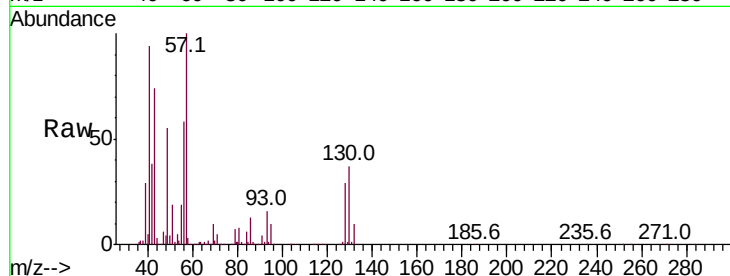




#25
Ethyl Acetate
Concen: 1.708 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

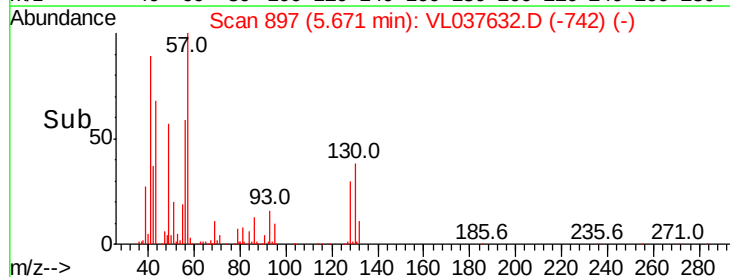
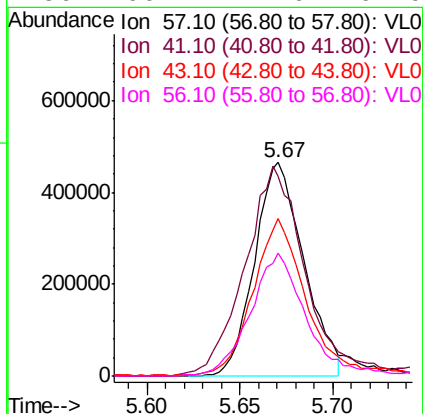
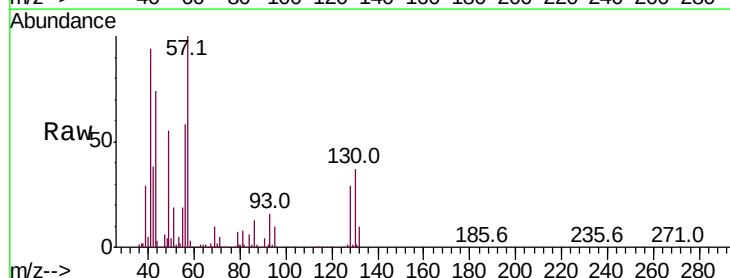
Instrument :
MSVOA_L
ClientSampled :

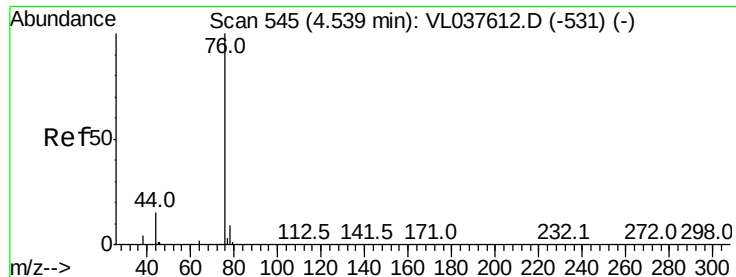
Tot Ion:	43	Resp:	658210
Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.0	12.0#
61	0.8	7.5	11.3#
70	3.6	5.6	8.4#



#26
Hexane
Concen: 4.692 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

Tgt Ion:	57	Resp:	859074
Ion	Ratio	Lower	Upper
57	100		
41	123.1	70.9	106.3#
43	80.6	170.4	255.6#
56	66.7	42.6	64.0#





#27

Carbon Disulfide

Concen: 0.082 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.01 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

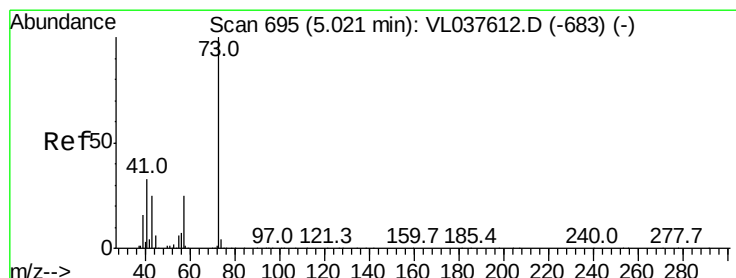
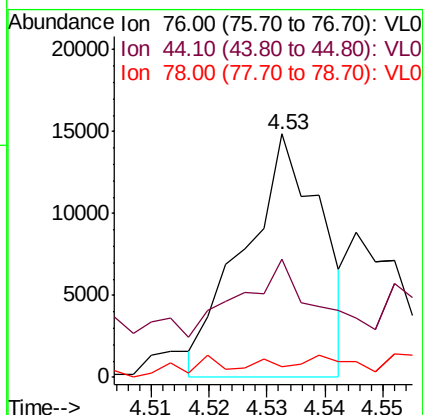
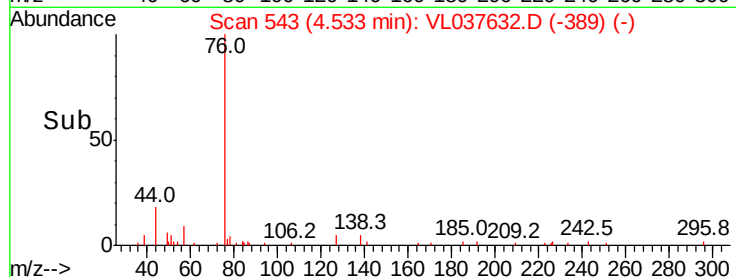
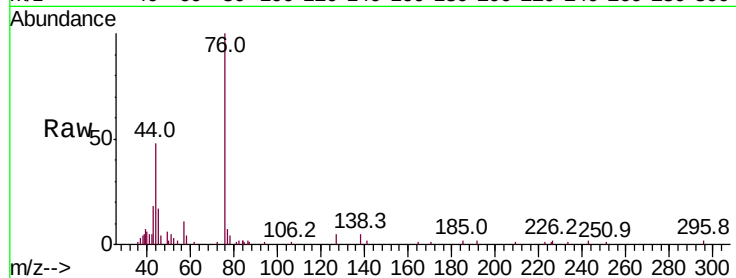
Tot Ion: 76 Resp: 13727

Ion Ratio Lower Upper

76 100

44 45.2 14.2 21.2#

78 0.0 7.4 11.0#



#28

Methyl tert-Butyl Ether

Concen: 0.078 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL037632.D

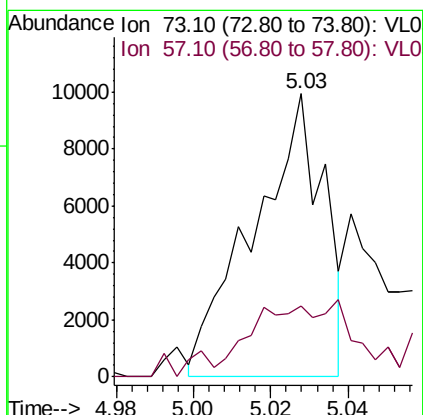
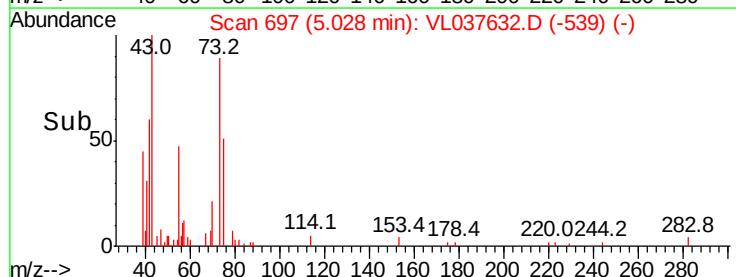
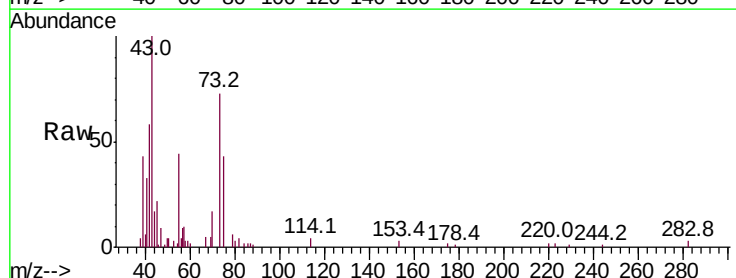
Acq: 17 Sep 2021 1:58

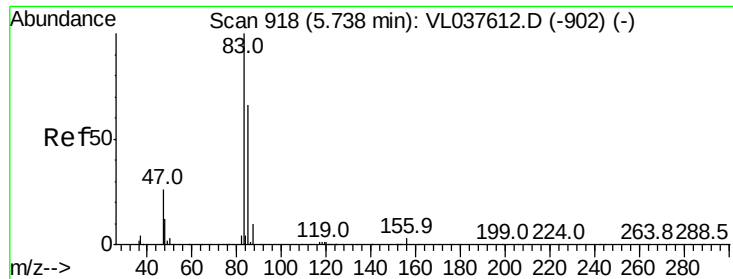
Tgt Ion: 73 Resp: 12536

Ion Ratio Lower Upper

73 100

57 0.0 20.1 30.1#

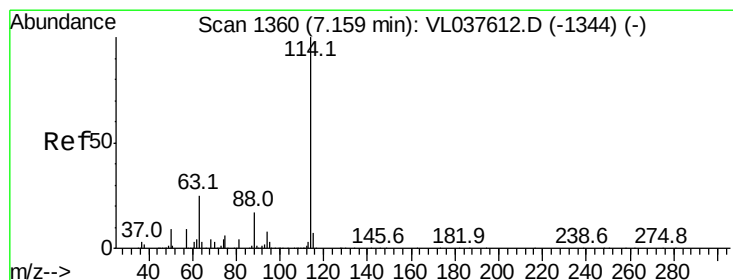
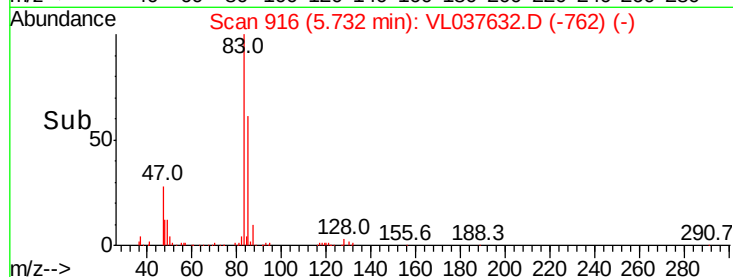
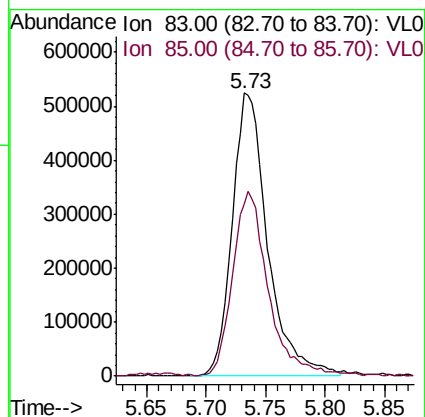
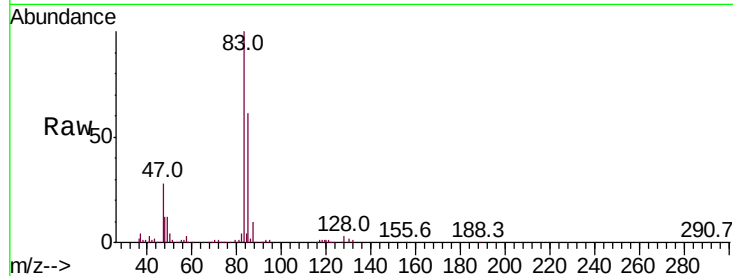




#29
Chloroform
Concen: 4.031 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.01 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

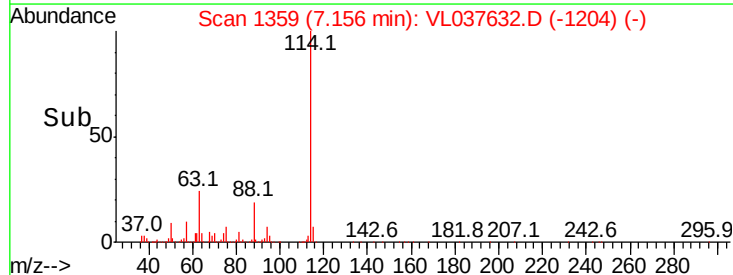
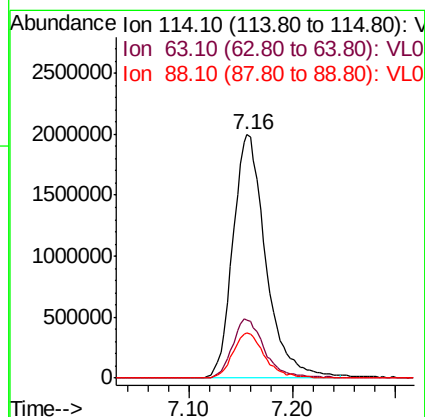
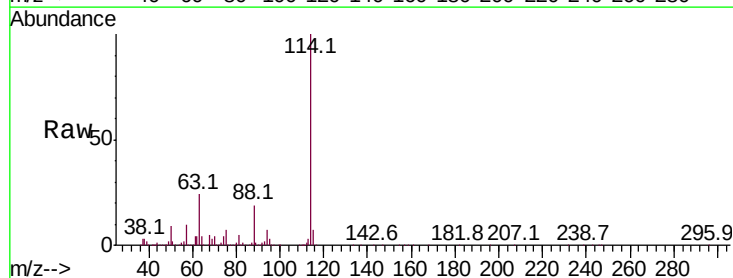
Instrument :
MSVOA_L
ClientSampled :

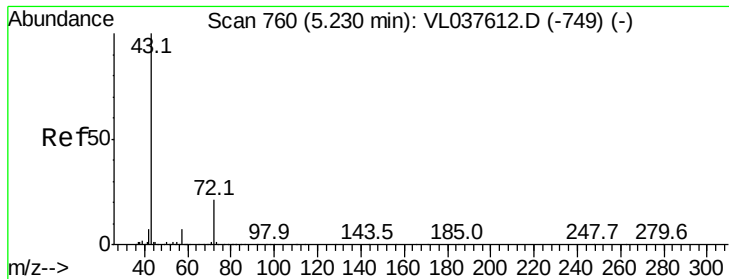
Tot Ion: 83 Resp: 1077621
Ion Ratio Lower Upper
83 100
85 60.4 52.6 79.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

Tgt Ion: 114 Resp: 4439965
Ion Ratio Lower Upper
114 100
63 24.0 19.6 29.4
88 18.2 14.2 21.4

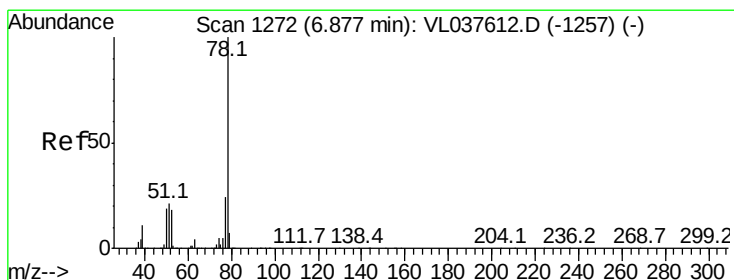
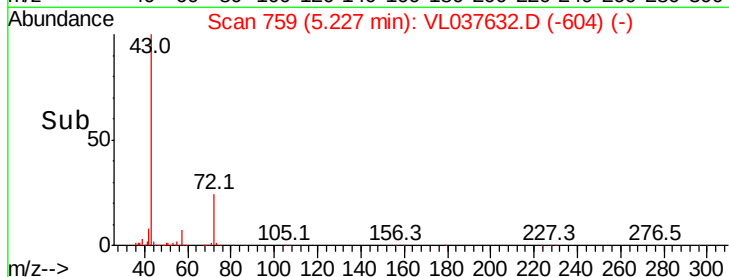
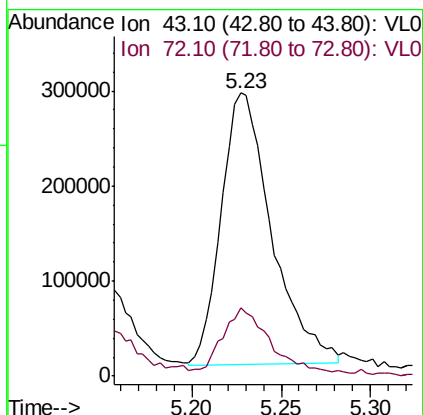
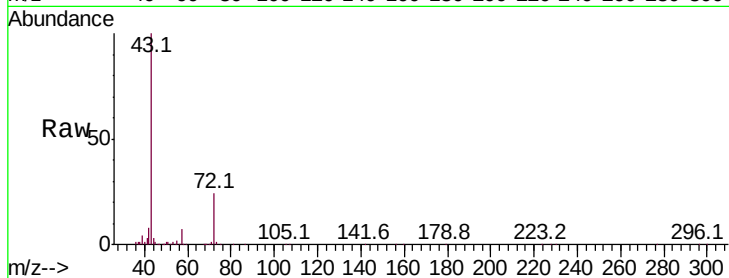




#34
2-Butanone
Concen: 3.131 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.00 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

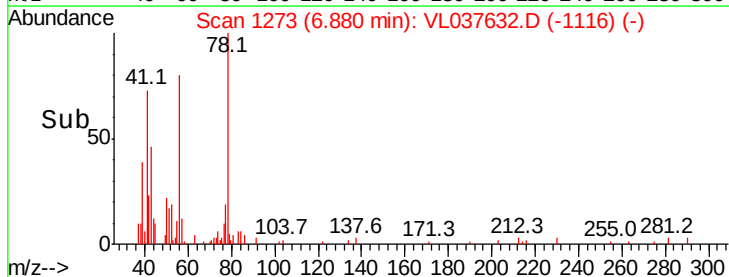
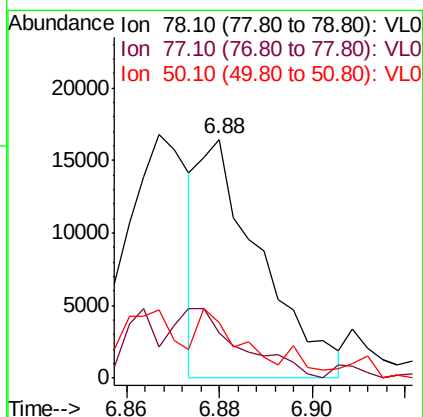
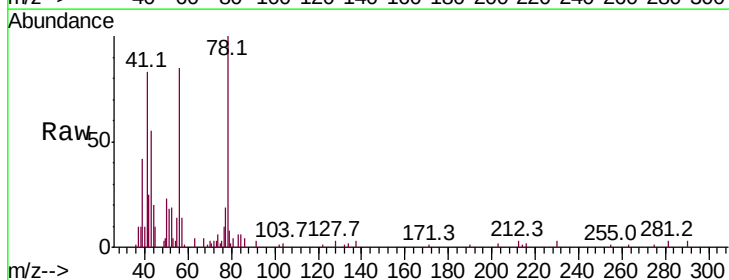
Instrument :
MSVOA_L
ClientSampleId :

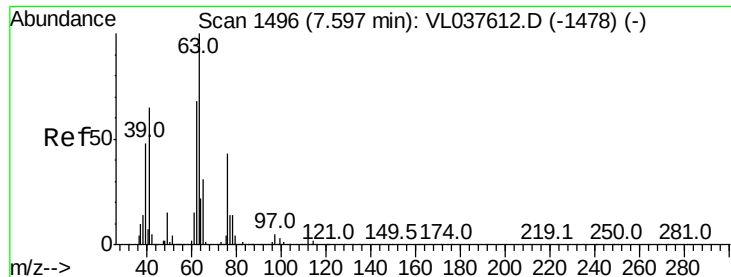
Tot Ion: 43 Resp: 564891
Ion Ratio Lower Upper
43 100
72 26.3 18.4 27.6



#36
Benzene
Concen: 0.041 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

Tgt Ion: 78 Resp: 15075
Ion Ratio Lower Upper
78 100
77 14.8 19.0 28.4#
50 21.8 14.8 22.2





#39

1,2-Dichloropropane

Concen: 7.331 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.44 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

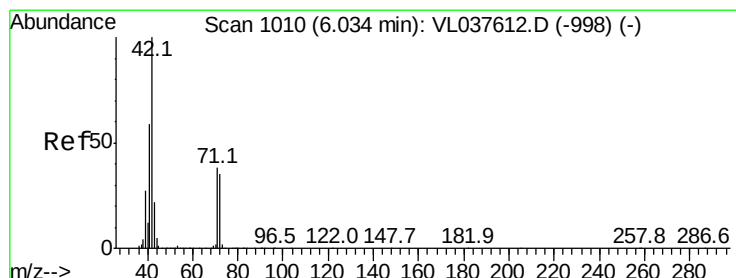
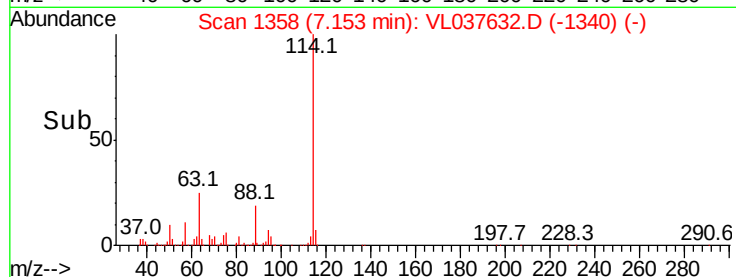
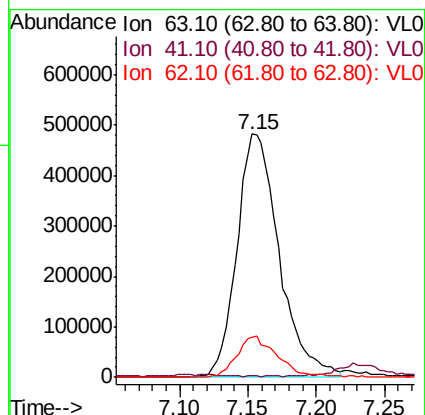
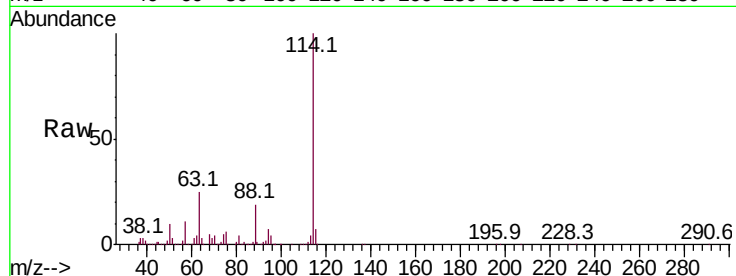
Tot Ion: 63 Resp: 1039587

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

62 16.6 54.6 81.8#



#41

Tetrahydrofuran

Concen: 0.696 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

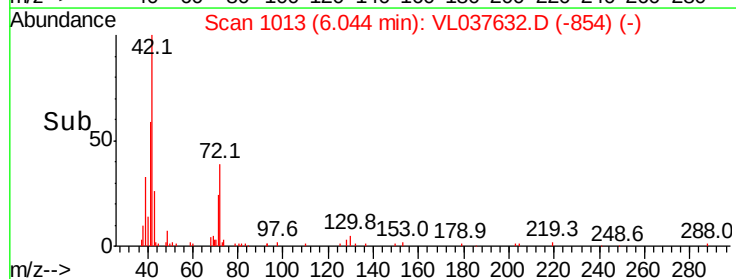
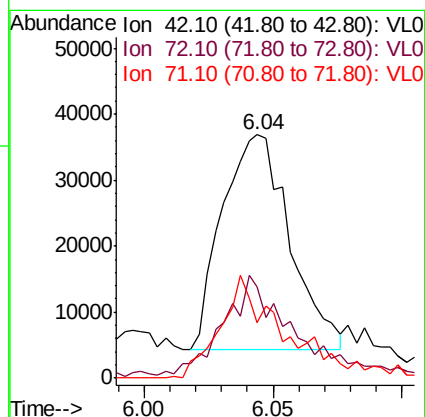
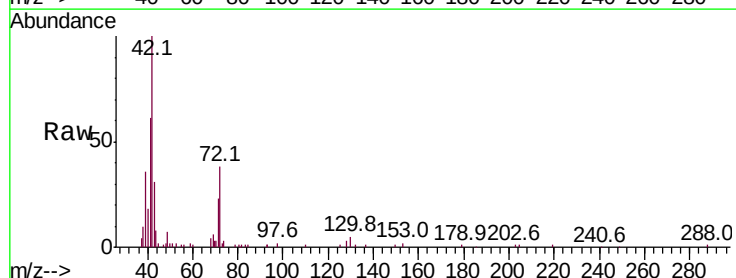
Tgt Ion: 42 Resp: 59037

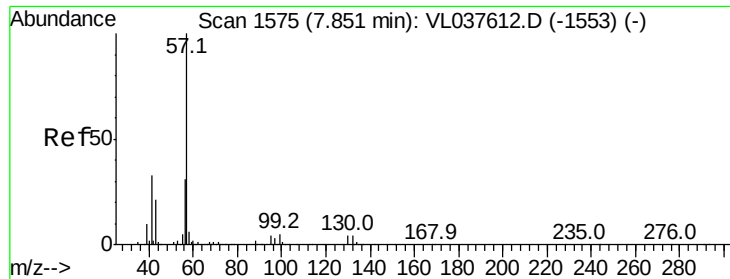
Ion Ratio Lower Upper

42 100

72 52.7 31.4 47.2#

71 46.6 30.6 46.0#





#44

2,2,4-Trimethylpentane

Concen: 0.150 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

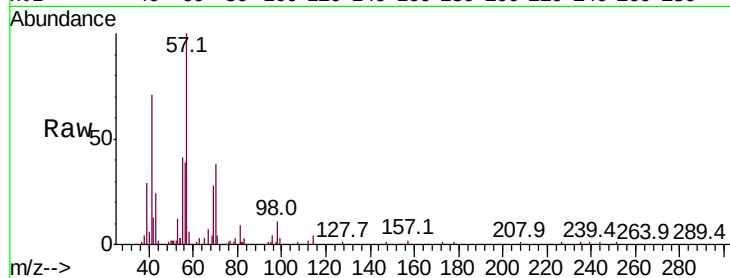
Tot Ion: 57 Resp: 93380

Ion Ratio Lower Upper

57 100

41 0.0 26.1 39.1#

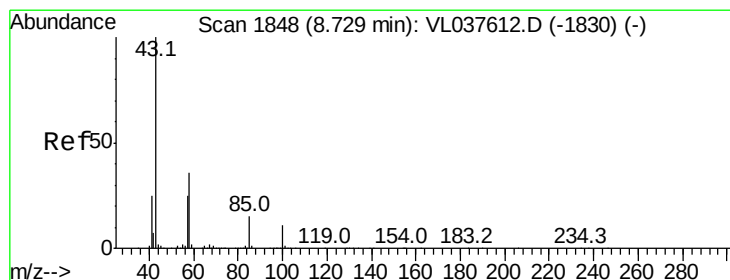
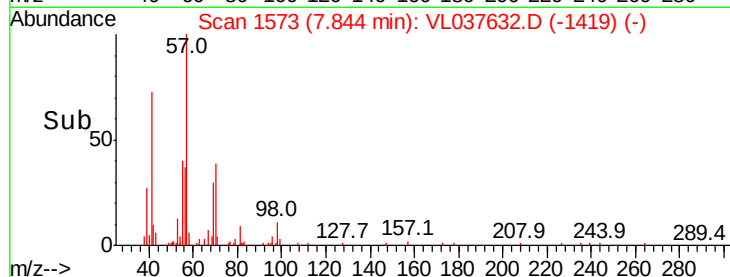
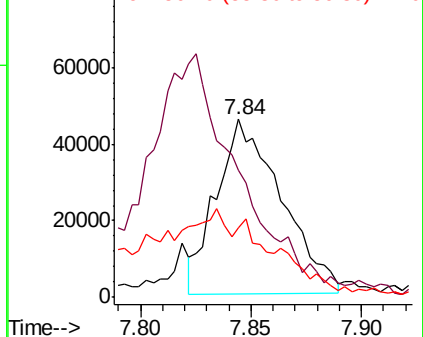
56 102.7 25.7 38.5#



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



#50

4-Methyl-2-Pentanone

Concen: 0.076 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.01 min

Lab File: VL037632.D

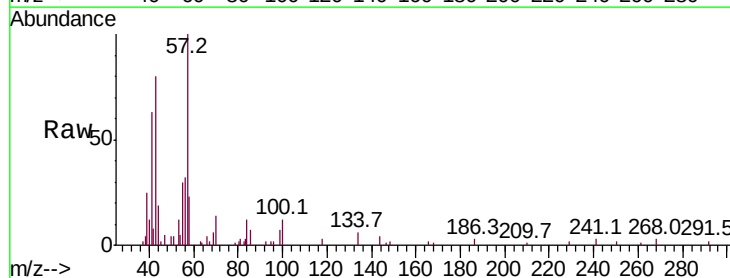
Acq: 17 Sep 2021 1:58

Tgt Ion: 43 Resp: 17432

Ion Ratio Lower Upper

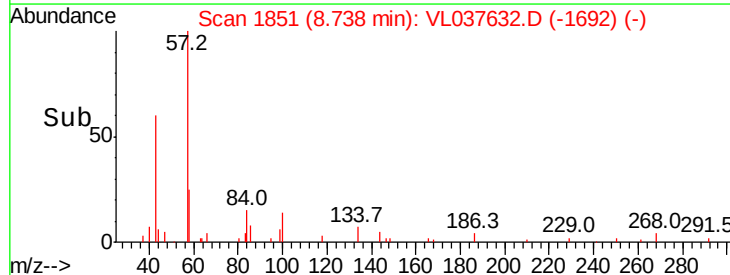
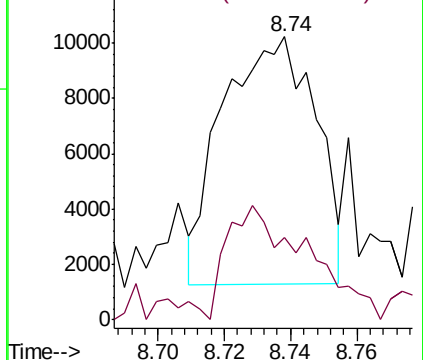
43 100

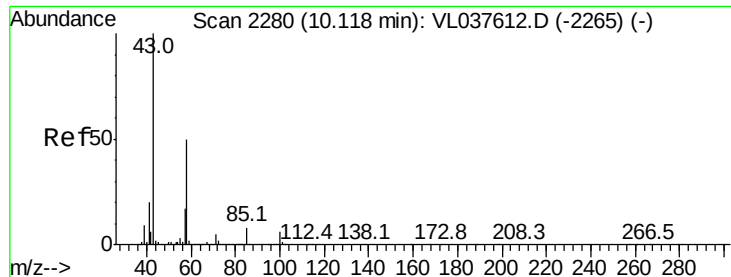
58 47.6 29.4 44.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

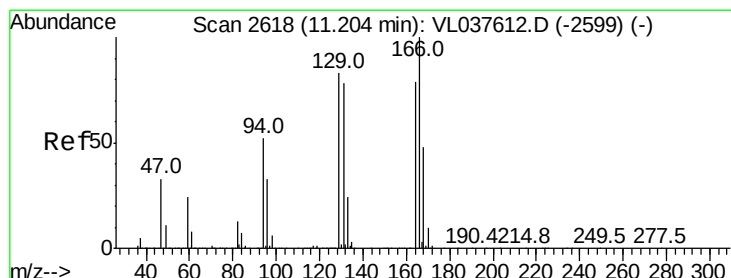
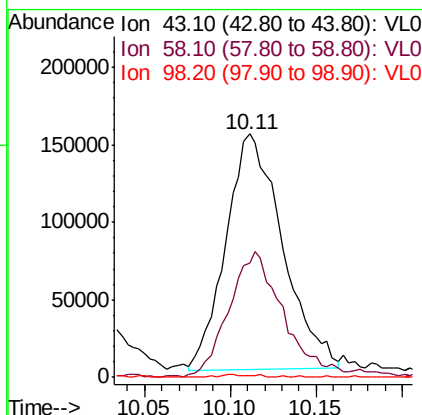
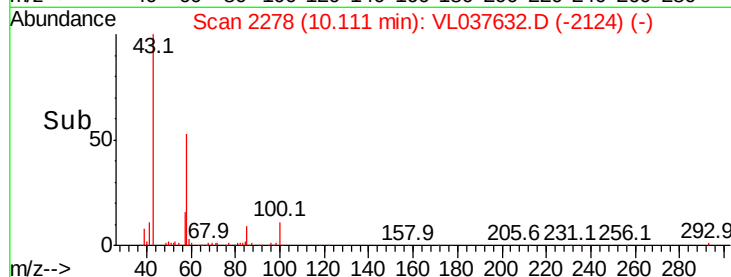
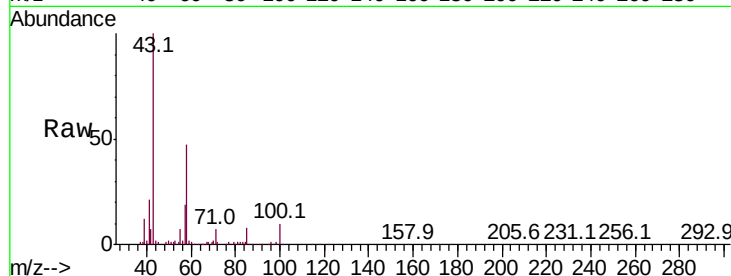




#51
2-Hexanone
Concen: 3.452 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.01 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

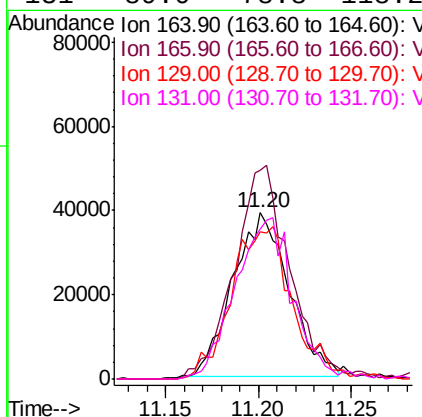
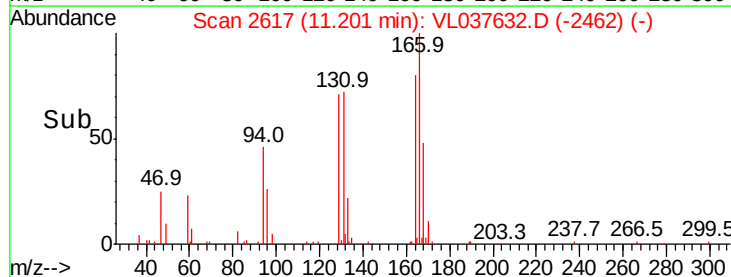
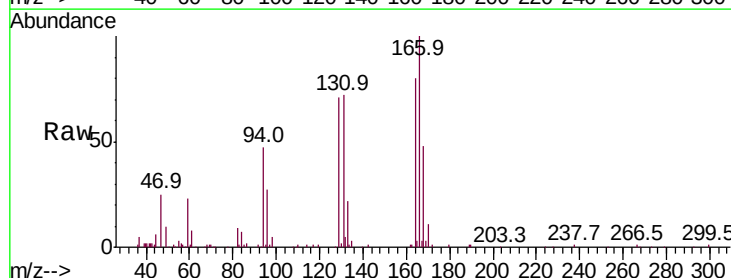
Instrument :
MSVOA_L
ClientSampleId :

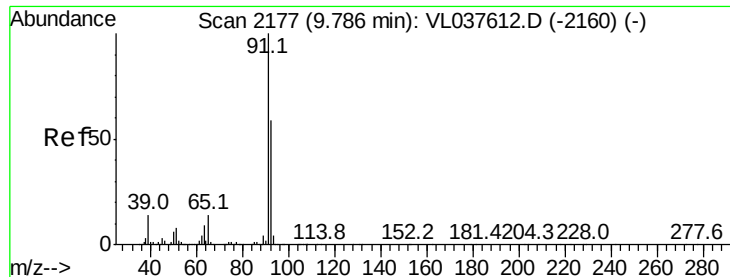
Tot Ion: 43 Resp: 348786
Ion Ratio Lower Upper
43 100
58 52.3 39.3 58.9
98 0.9 0.4 0.6#



#52
Tetrachloroethene
Concen: 0.577 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037632.D
Acq: 17 Sep 2021 1:58

Tgt Ion: 164 Resp: 82080
Ion Ratio Lower Upper
164 100
166 121.4 101.2 151.8
129 88.6 84.0 126.0
131 89.0 78.8 118.2





#53

Toluene

Concen: 0.911 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

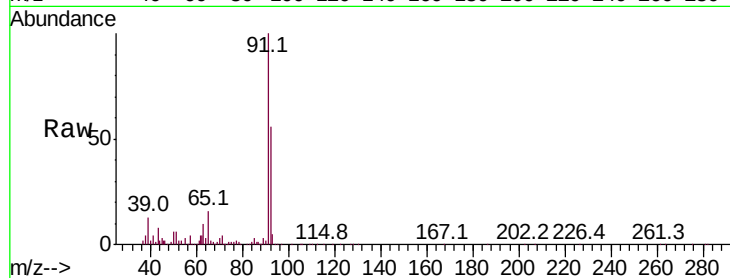
ClientSampleId :

Tot Ion: 91 Resp: 374897

Ion Ratio Lower Upper

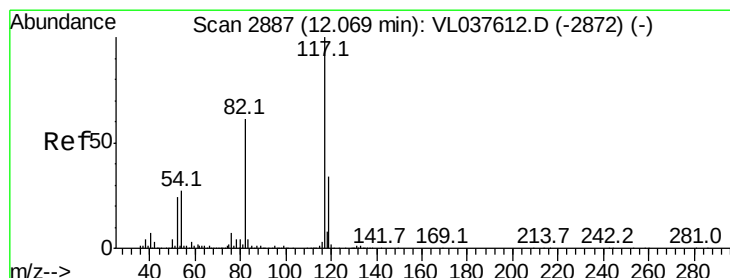
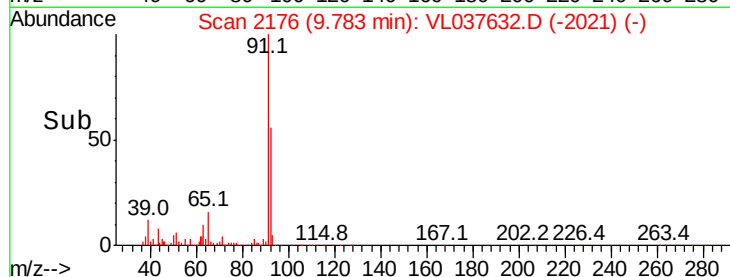
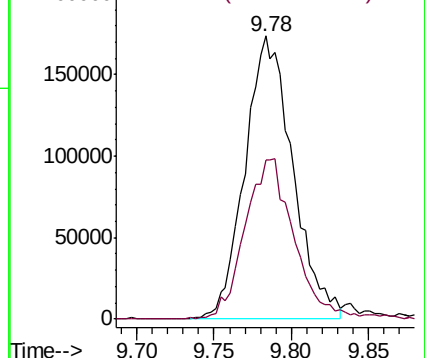
91 100

92 58.6 48.9 73.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

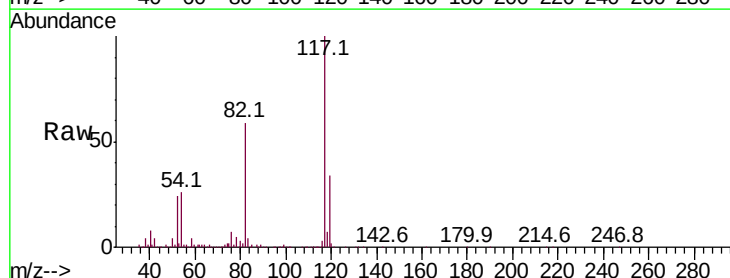
Tgt Ion: 117 Resp: 3852776

Ion Ratio Lower Upper

117 100

82 65.0 50.6 75.8

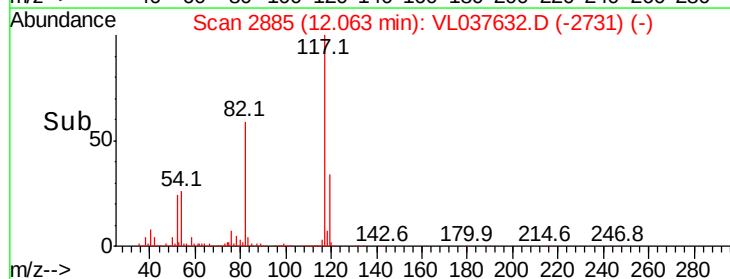
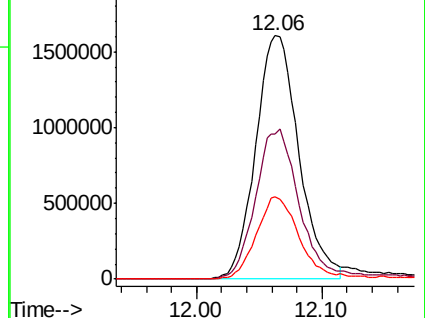
119 35.7 26.2 39.2

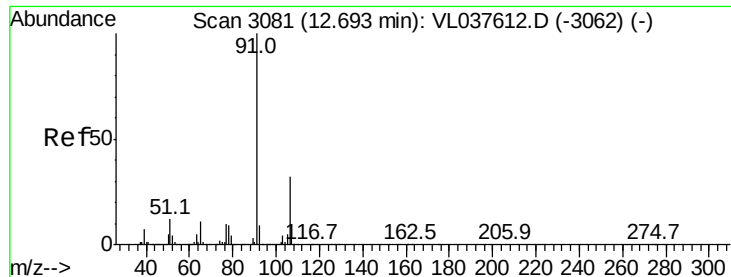


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.405 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.00 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

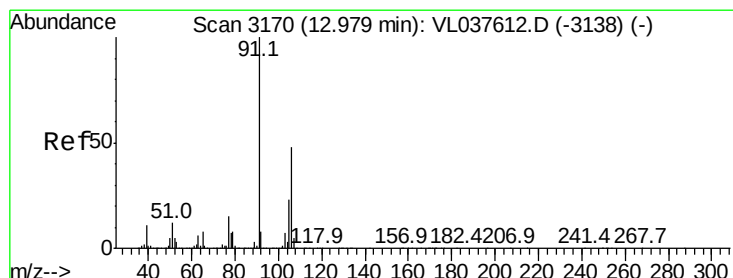
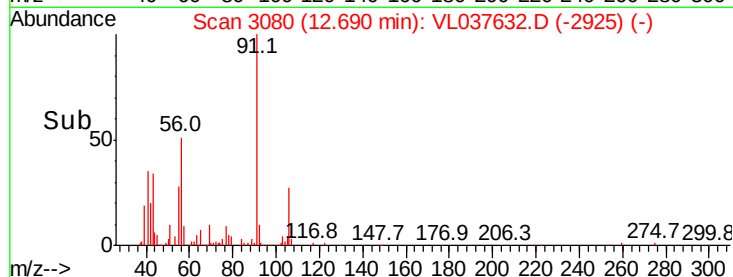
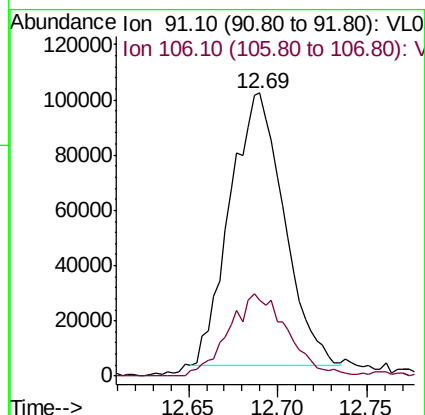
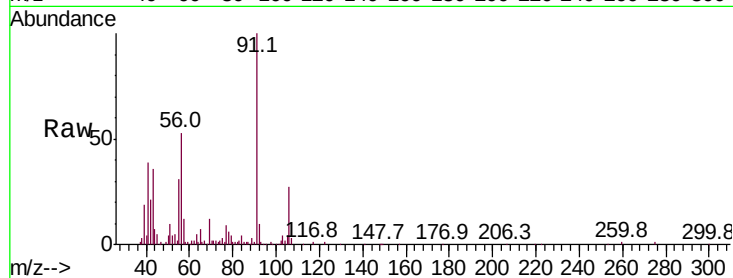
ClientSampled :

Tot Ion: 91 Resp: 207004

Ion Ratio Lower Upper

91 100

106 26.6 25.3 37.9



#59

m/p-Xylene

Concen: 1.591 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. -0.03 min

Lab File: VL037632.D

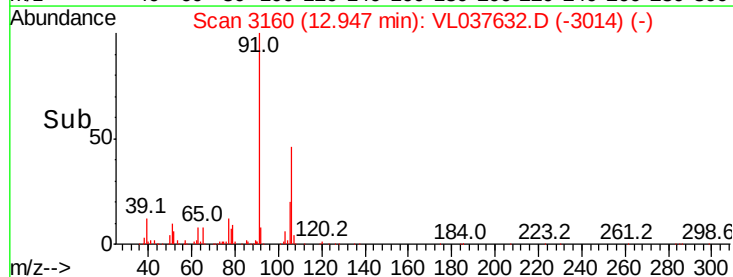
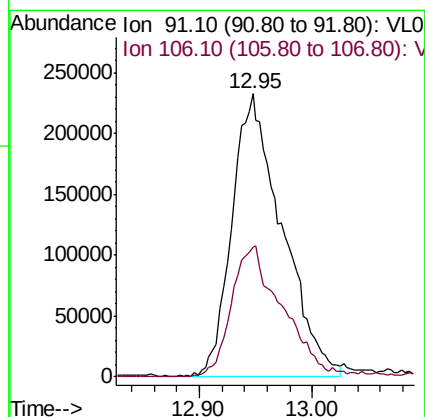
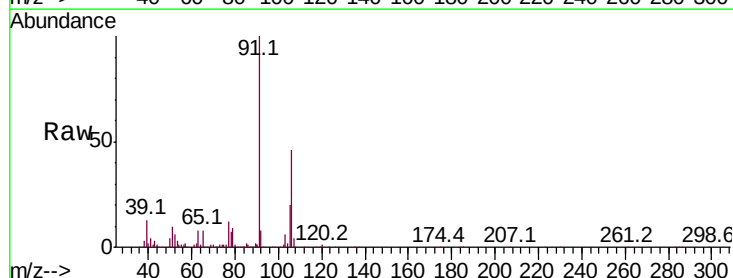
Acq: 17 Sep 2021 1:58

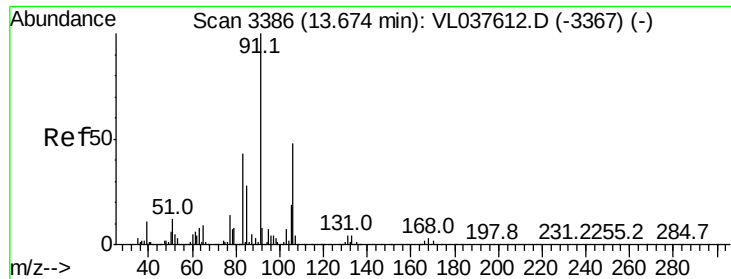
Tgt Ion: 91 Resp: 709240

Ion Ratio Lower Upper

91 100

106 48.9 36.6 55.0





#60

o-Xylene

Concen: 0.443 ppbv

RT: 13.66 min Scan# 3383

Delta R.T. -0.01 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

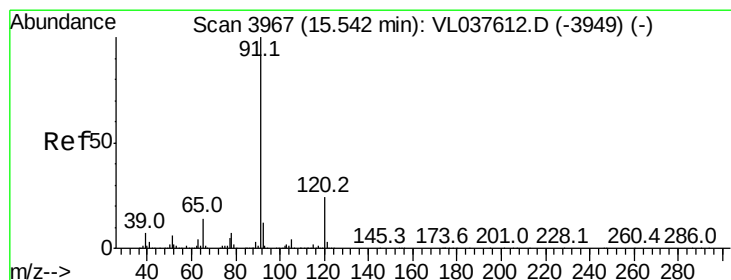
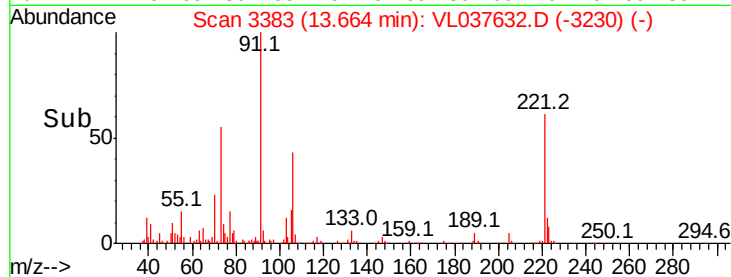
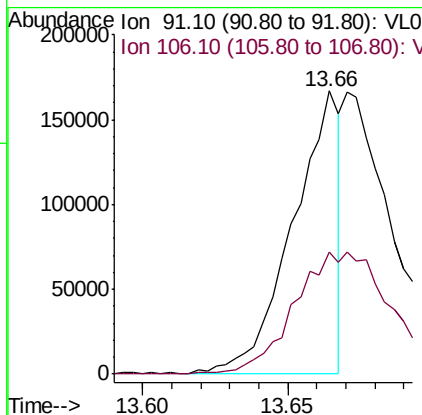
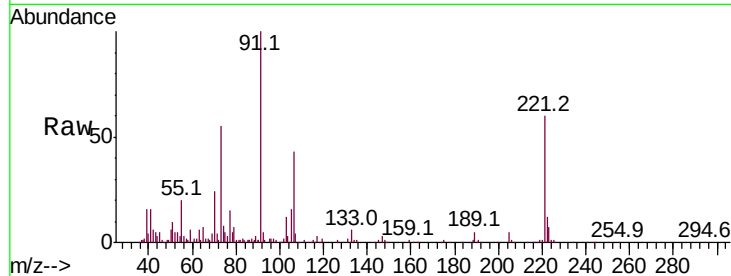
ClientSampleId :

Tot Ion: 91 Resp: 188062

Ion Ratio Lower Upper

91 100

106 0.0 23.0 69.0#



#64

n-propylbenzene

Concen: 0.151 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037632.D

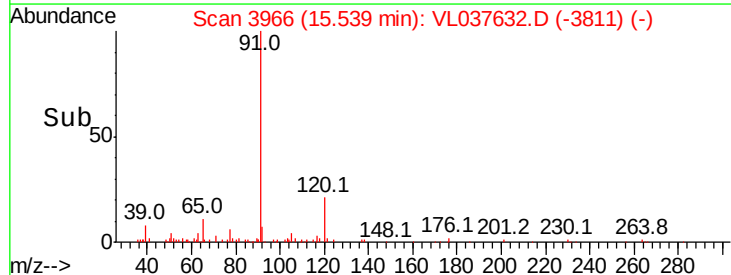
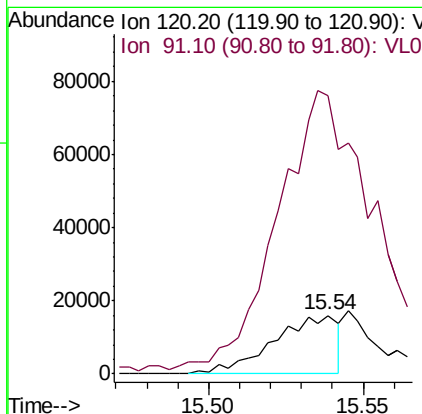
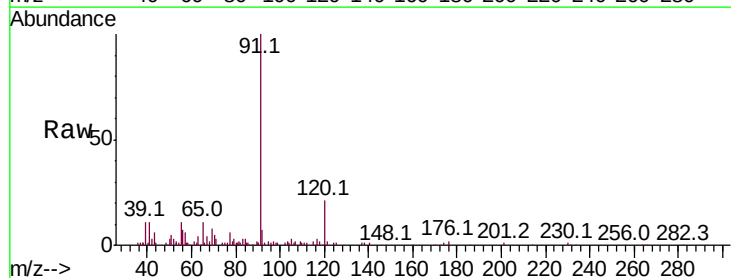
Acq: 17 Sep 2021 1:58

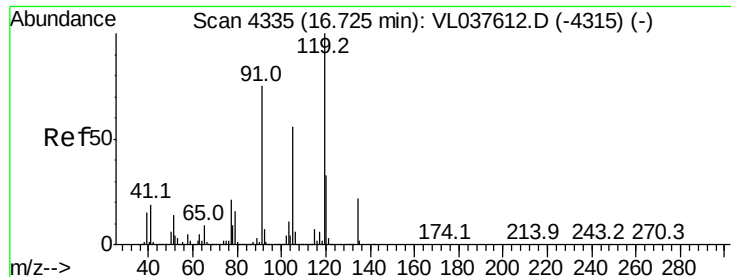
Tgt Ion: 120 Resp: 23129

Ion Ratio Lower Upper

120 100

91 789.8 345.0 517.4#





#65

tert-Butylbenzene

Concen: 0.217 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.02 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

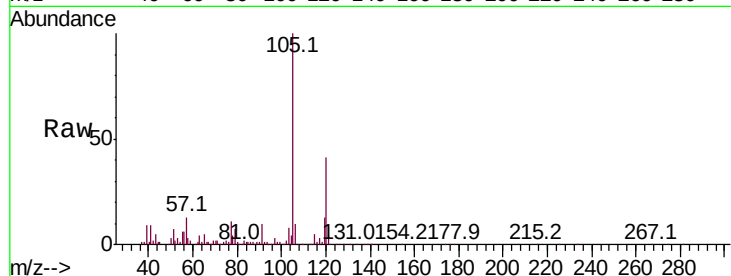
Tot Ion:119 Resp: 115685

Ion Ratio Lower Upper

119 100

91 96.3 61.9 92.9#

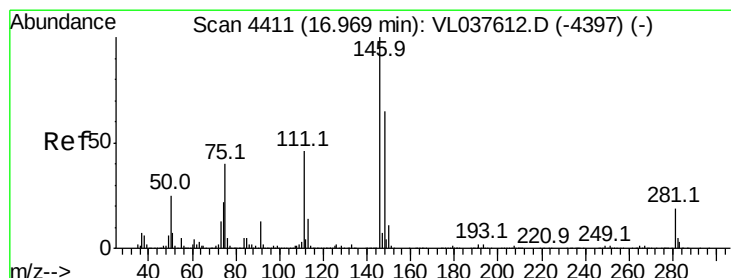
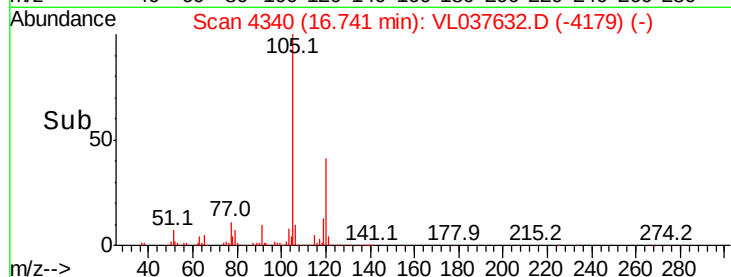
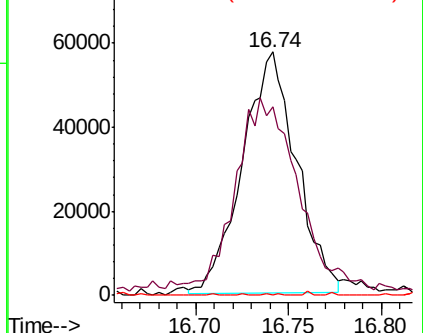
134 0.0 16.5 24.7#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.043 ppbv

RT: 16.95 min Scan# 4405

Delta R.T. -0.02 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

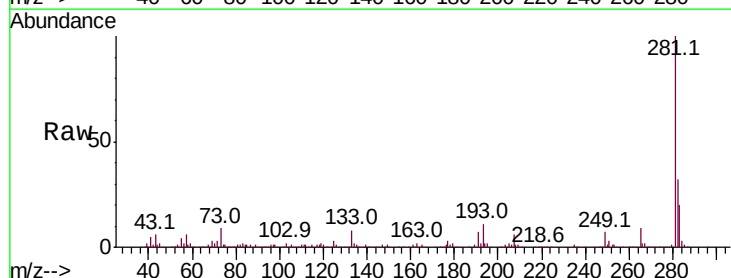
Tgt Ion: 91 Resp: 1245

Ion Ratio Lower Upper

91 100

126 1296.9 14.4 21.6#

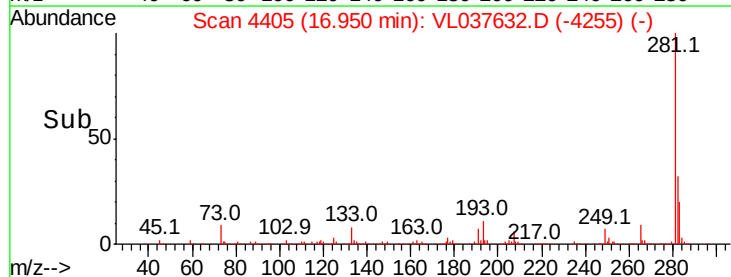
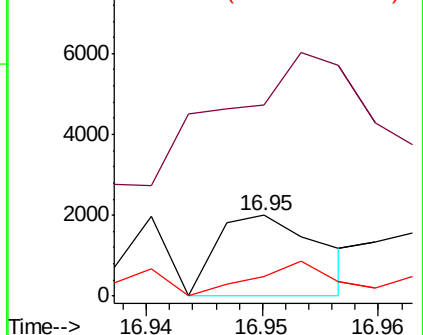
128 91.3 5.7 8.5#

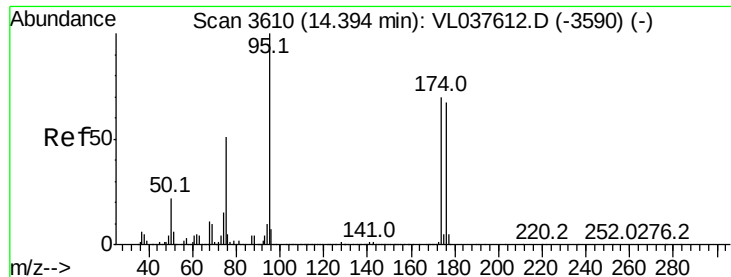


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

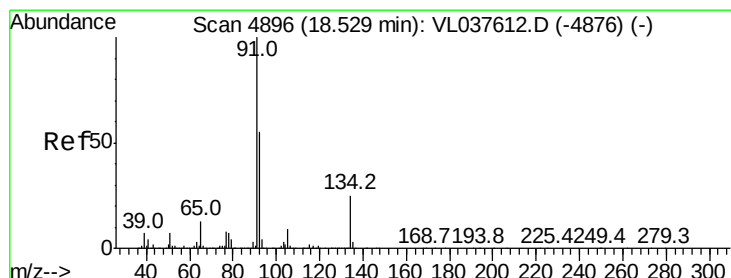
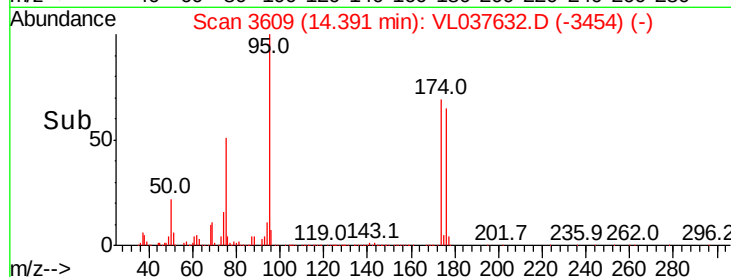
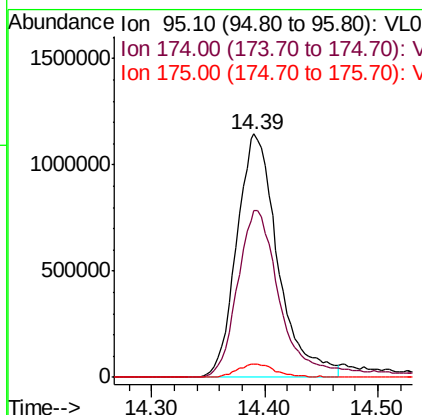
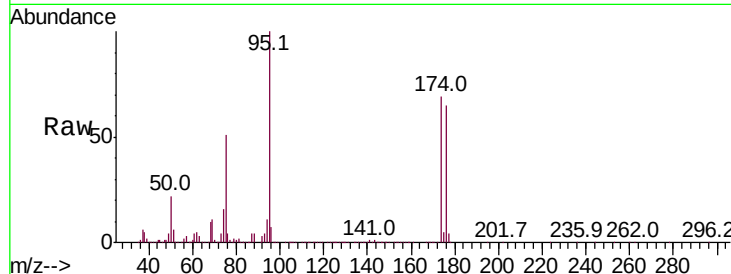




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.426 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037632.D
 Acq: 17 Sep 2021 1:58

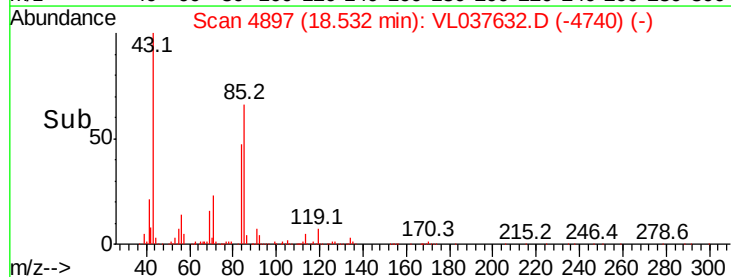
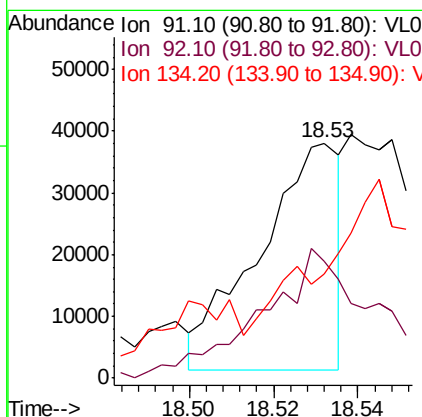
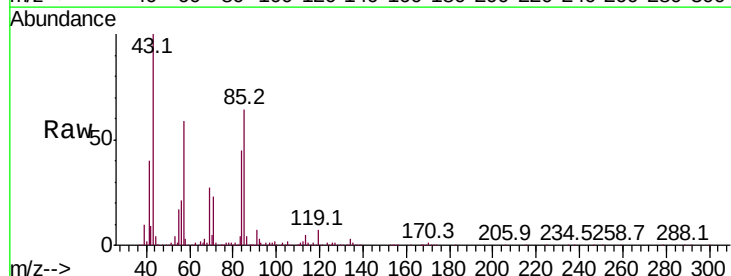
Instrument :
 MSVOA_L
 ClientSampleId :

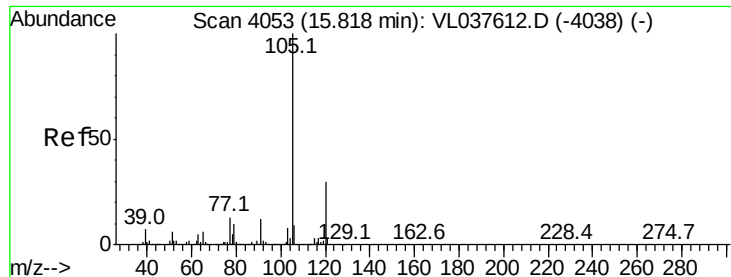
Tot Ion: 95 Resp: 2902938
 Ion Ratio Lower Upper
 95 100
 174 74.2 56.3 84.5
 175 5.4 4.4 6.6



#70
 n-Butylbenzene
 Concen: 0.087 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037632.D
 Acq: 17 Sep 2021 1:58

Tgt Ion: 91 Resp: 48820
 Ion Ratio Lower Upper
 91 100
 92 89.0 44.0 66.0#
 134 0.0 19.5 29.3#





#72

4-Ethyltoluene

Concen: 0.218 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VL037632.D

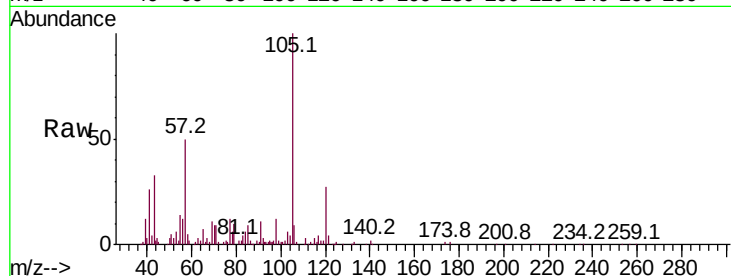
Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	106323
Ion Ratio	Lower	Upper	
105	100		
120	0.0	24.7	37.1#
91	29.6	9.9	14.9#
77	0.0	10.5	15.7#

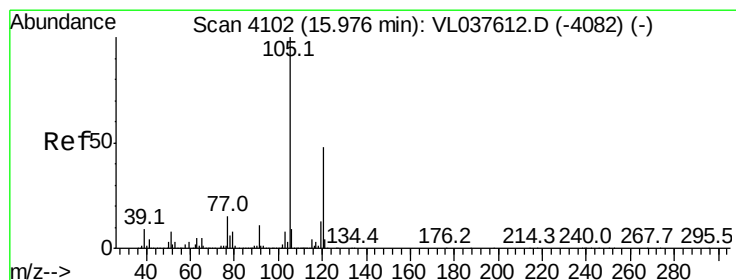
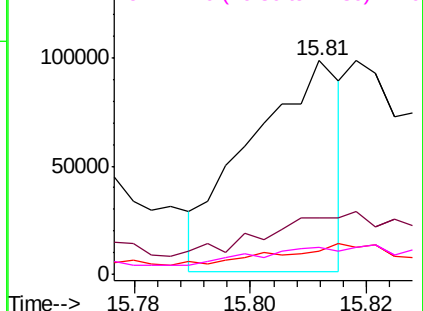
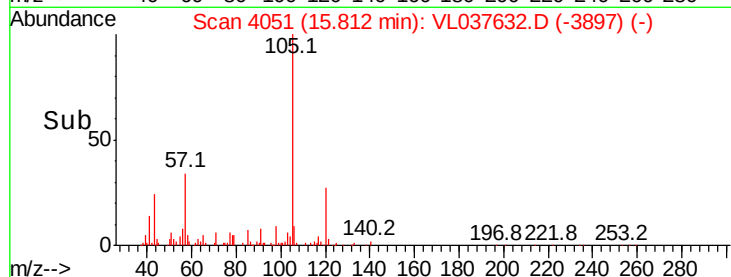


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.213 ppbv

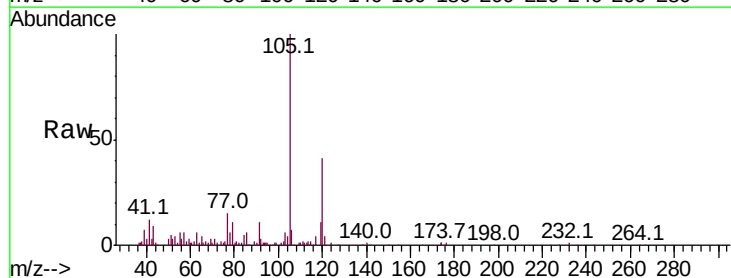
RT: 15.97 min Scan# 4099

Delta R.T. -0.01 min

Lab File: VL037632.D

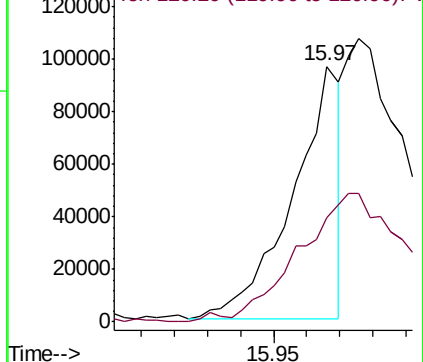
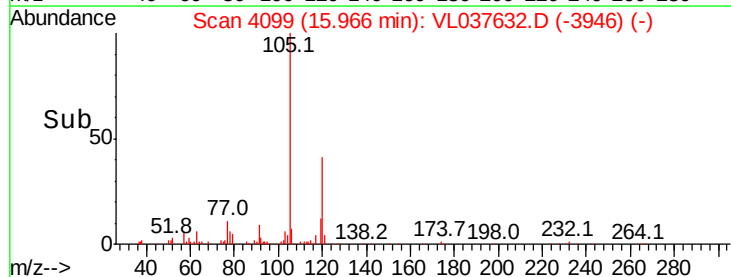
Acq: 17 Sep 2021 1:58

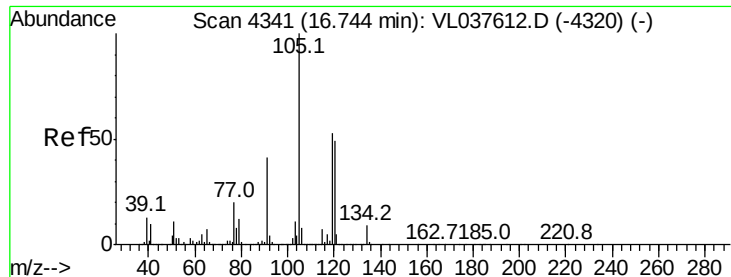
Tgt Ion:	105	Resp:	96607
Ion Ratio	Lower	Upper	
105	100		
120	41.1	38.3	57.5



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: 2.221 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1061612

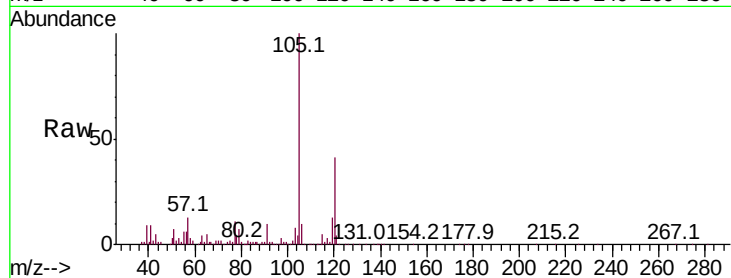
Ion Ratio Lower Upper

105 100

120 41.0 39.4 59.0

91 9.8 33.3 49.9#

77 10.3 15.7 23.5#

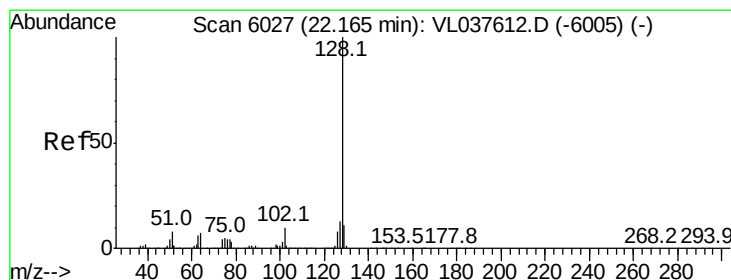
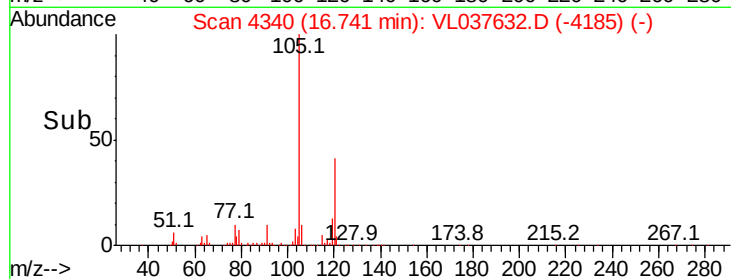
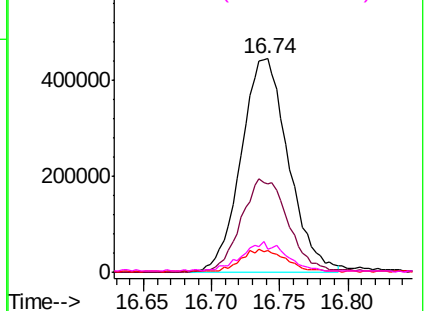


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.077 ppbv

RT: 22.16 min Scan# 6025

Delta R.T. -0.01 min

Lab File: VL037632.D

Acq: 17 Sep 2021 1:58

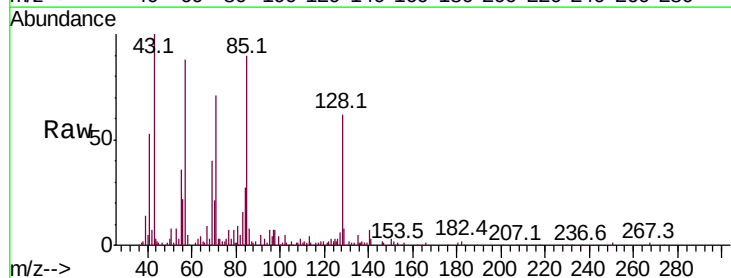
Tgt Ion:128 Resp: 22485

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

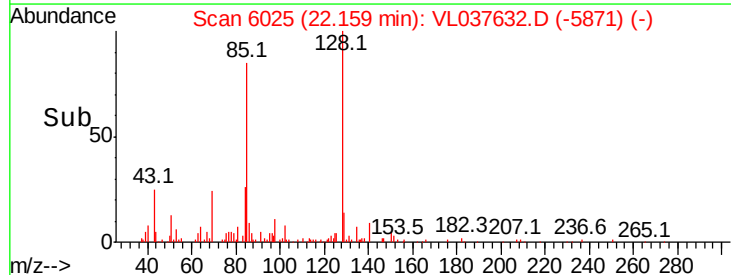
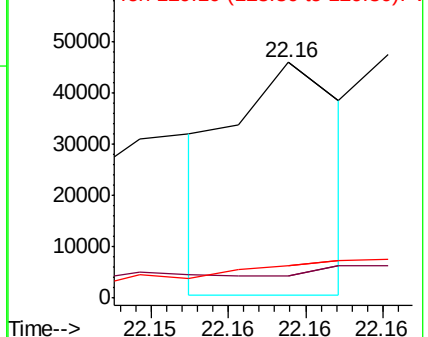
129 16.9 8.6 12.8#

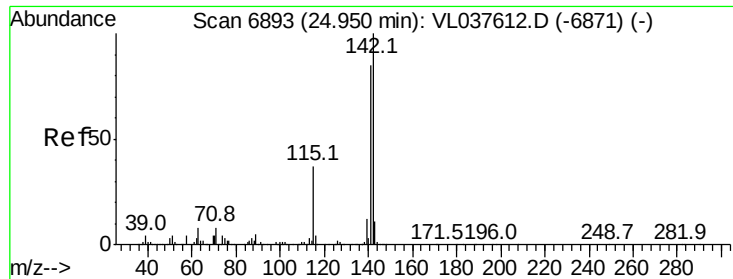


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

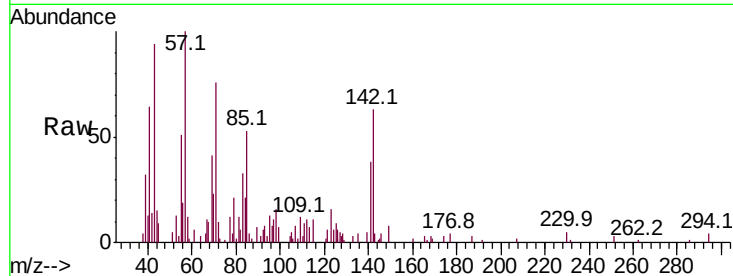




#80
 Naphthalene, 2-methyl-
 Concen: 0.259 ppbv
 RT: 24.96 min Scan# 6897
 Delta R.T. 0.01 min
 Lab File: VL037632.D
 Acq: 17 Sep 2021 1:58

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.9	106.3
115	57.1	29.6	44.4



Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

