

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081221\
 Data File : VL037425.D
 Acq On : 12 Aug 2021 22:45
 Operator : SY/AP
 Sample : M3211-06
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 13 03:07:15 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1239559	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3664795	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3049478	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2181068	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	26483	0.140	ppbv 96
3) Chlorodifluoromethane	2.96	51	212667	0.874	ppbv # 74
4) Chloromethane	3.14	50	60056	0.686	ppbv 98
9) Propene	3.02	41	618974	7.573	ppbv # 66
10) Heptane	8.12	43	54556	0.274	ppbv # 10
11) Trichlorofluoromethane	3.95	101	2869736	14.004	ppbv 96
13) Ethanol	3.61	45	4602281	527.587	ppbv 89
15) Acetone	3.84	43	14798411	112.572	ppbv 97
16) 1,3-Butadiene	3.30	39	11290	0.128	ppbv # 11
17) tert-Butyl alcohol	4.30	59	17943	0.143	ppbv # 72
19) Isopropyl Alcohol	3.97	45	938762	12.271	ppbv # 1
20) Methylene Chloride	4.35	84	582588	8.381	ppbv 96
21) Allyl Chloride	4.38	41	7052	0.068	ppbv # 1
23) Vinyl Acetate	5.06	43	180624	0.895	ppbv # 12
25) Ethyl Acetate	5.68	43	516207	1.648	ppbv # 87
26) Hexane	5.69	57	569326	3.521	ppbv # 54
27) Carbon Disulfide	4.55	76	15863	0.116	ppbv # 54
29) Chloroform	5.75	83	333584	1.465	ppbv 99
30) Cyclohexane	7.13	84	45252	0.340	ppbv 91
34) 2-Butanone	5.24	43	1059219	7.001	ppbv 96
36) Benzene	6.89	78	237740	0.769	ppbv 94
39) 1,2-Dichloropropane	7.18	63	839450	7.131	ppbv # 27
41) Tetrahydrofuran	6.04	42	9610	0.138	ppbv # 66
43) Methyl Methacrylate	8.01	69	11003	0.105	ppbv # 1
44) 2,2,4-Trimethylpentane	7.87	57	394895	0.764	ppbv 90
50) 4-Methyl-2-Pentanone	8.75	43	40253	0.211	ppbv # 69
51) 2-Hexanone	10.14	43	12358	0.138	ppbv # 31
52) Tetrachloroethene	11.23	164	4641	0.036	ppbv # 86
53) Toluene	9.80	91	4746368	13.453	ppbv 99
58) Ethyl Benzene	12.71	91	485800	1.174	ppbv 99
59) m/p-Xylene	12.97	91	836259	2.301	ppbv # 31
60) o-Xylene	13.69	91	214649	0.636	ppbv # 35
61) Styrene	13.52	104	33892	0.199	ppbv # 22
62) Isopropylbenzene	14.66	105	16163	0.033	ppbv # 39
64) n-propylbenzene	15.56	120	8027	0.066	ppbv # 1
72) 4-Ethyltoluene	15.83	105	69062	0.176	ppbv # 46
73) 1,3,5-Trimethylbenzene	16.00	105	157430	0.425	ppbv 98
74) 1,2,4-Trimethylbenzene	16.75	105	510417	1.346	ppbv # 71
75) 1,3-Dichlorobenzene	17.13	146	3702277	15.950	ppbv 99
76) 1,4-Dichlorobenzene	17.13	146	3702277	16.088	ppbv 98
79) Naphthalene	22.19	128	56929	0.276	ppbv # 96

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Instrument :
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Quant Time: Aug 13 03:07:15 2021
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 01:37:35 2021
QLast Update : Fri Aug 13 01:37:35 2021
Response via : Initial Calibration

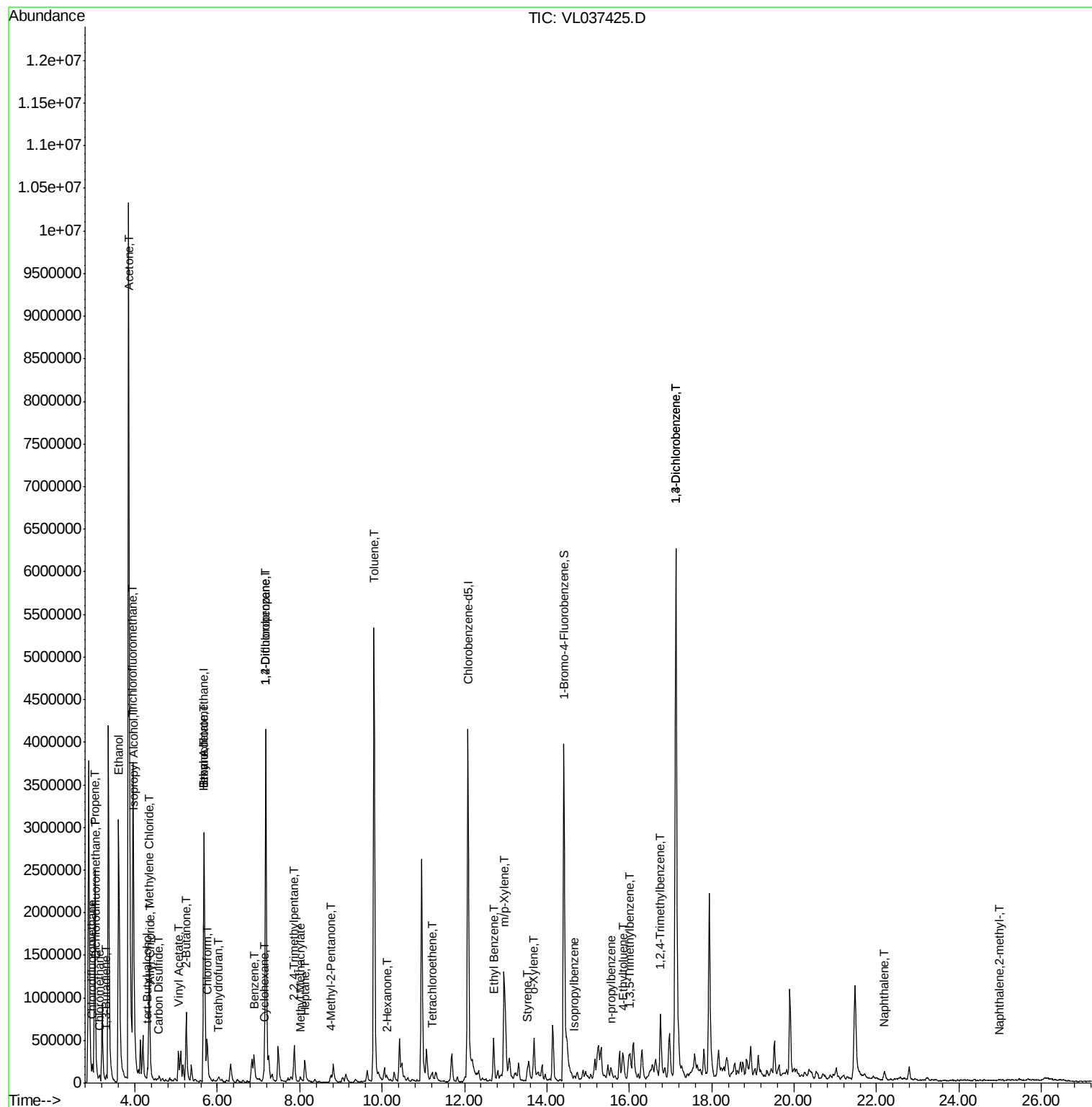
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	24.97	142	3203	0.074	ppbv	95

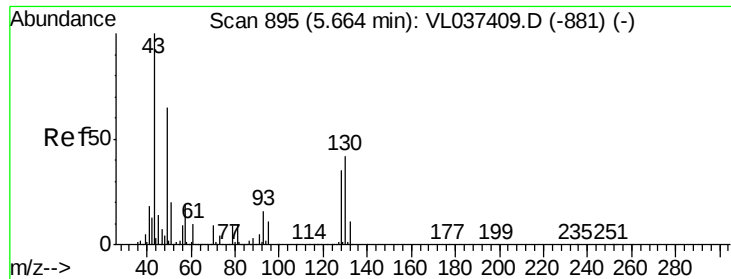
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081221\
Data File : VL037425.D
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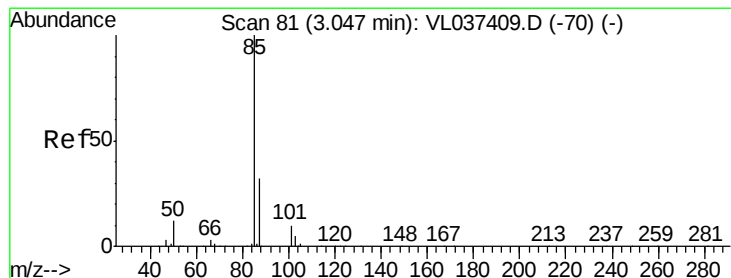
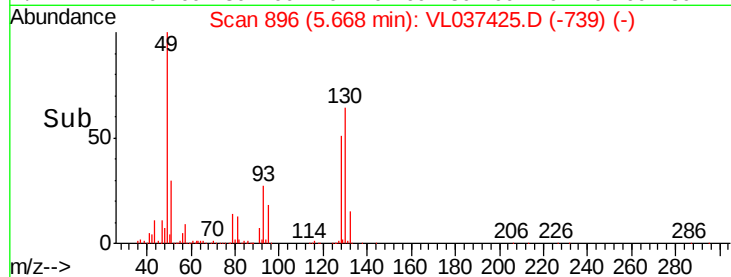
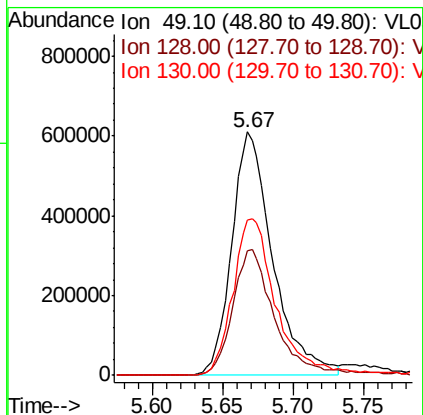
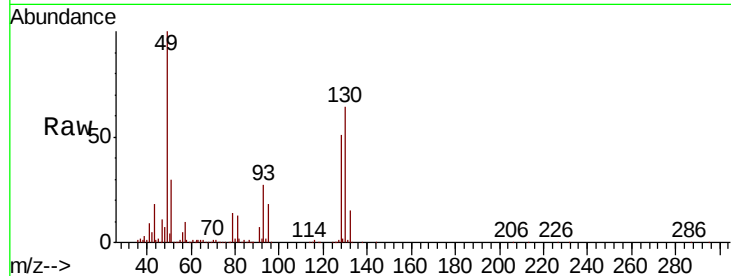


#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

Instrument :
 MSVOA_L
 ClientSampleId :

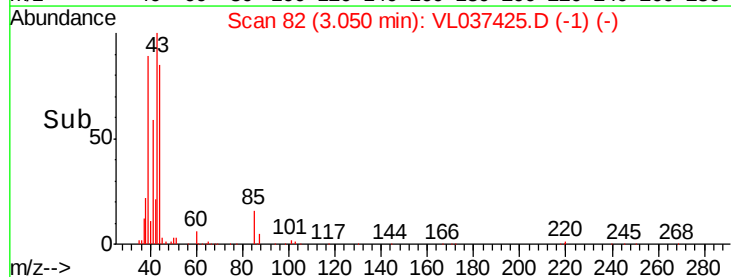
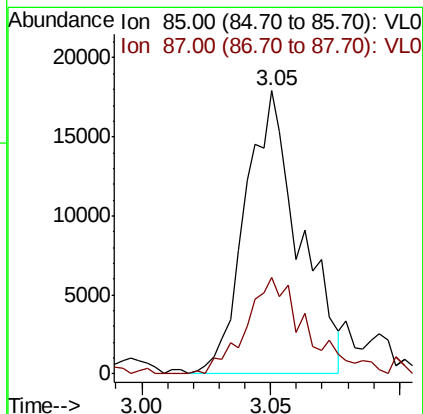
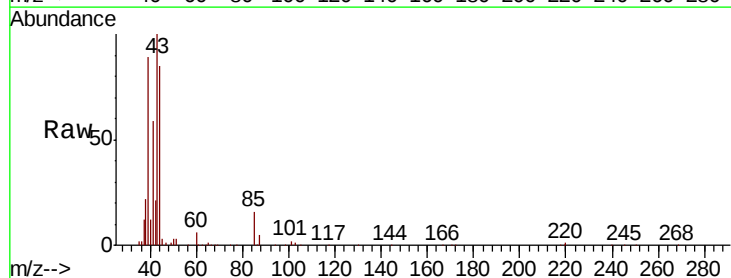
Tot Ion: 49 Resp: 1239559
 Ion Ratio Lower Upper
 49 100
 128 53.7 27.9 83.6
 130 69.0 34.6 103.8

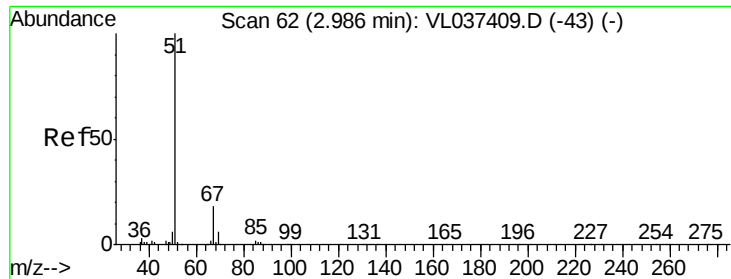


#2

Dichlorodifluoromethane
 Concen: 0.140 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T. 0.00 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

Tgt Ion: 85 Resp: 26483
 Ion Ratio Lower Upper
 85 100
 87 34.3 25.7 38.5

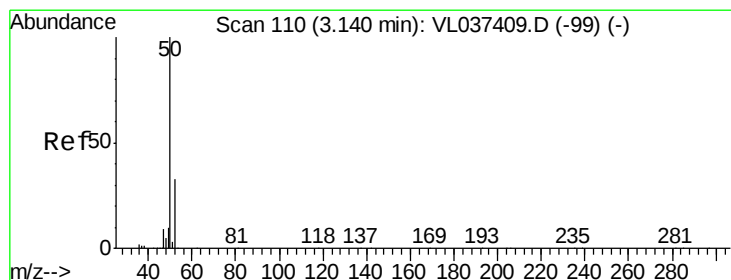
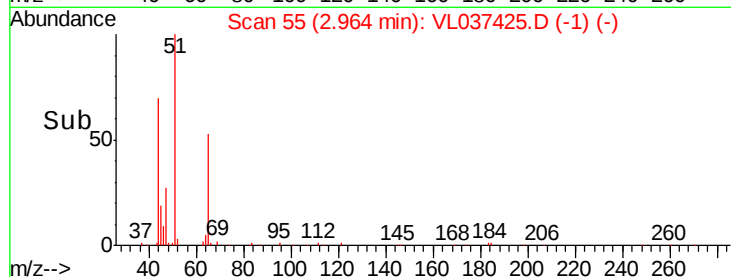
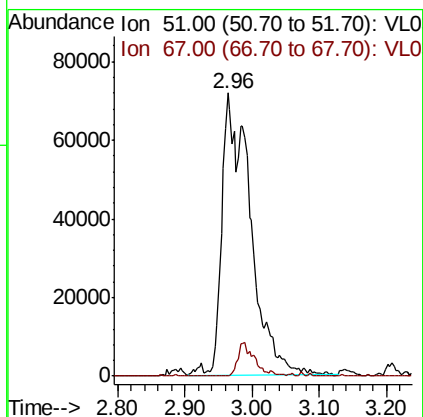
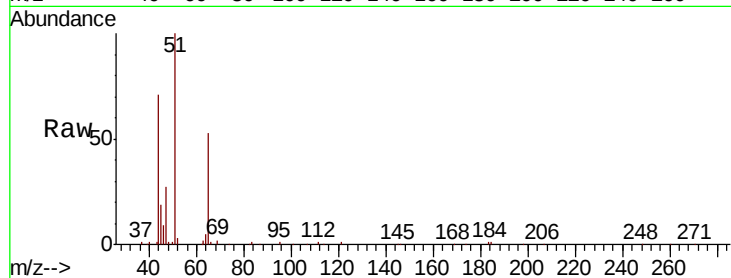




#3
Chlorodifluoromethane
Concen: 0.874 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.02 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

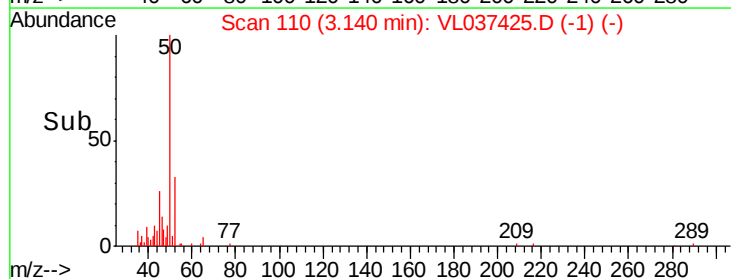
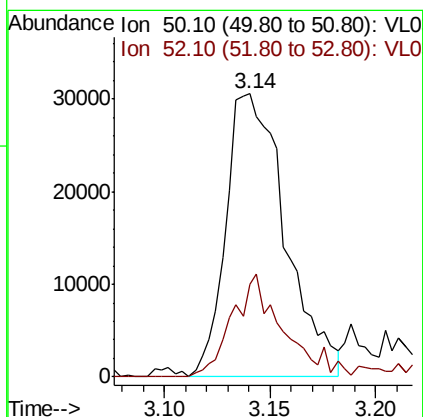
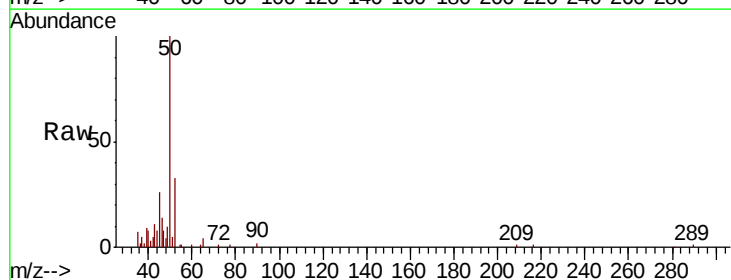
Instrument :
MSVOA_L
ClientSampleId :

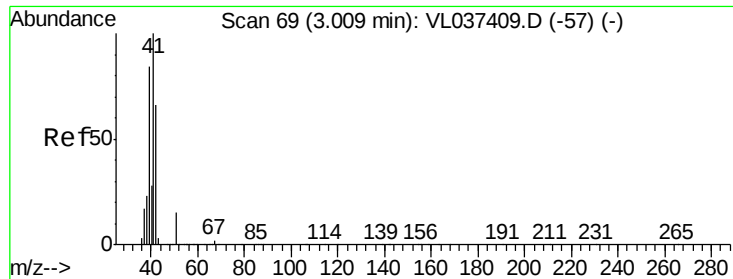
Tot Ion: 51 Resp: 212667
Ion Ratio Lower Upper
51 100
67 7.0 14.7 22.1#



#4
Chloromethane
Concen: 0.686 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Tgt Ion: 50 Resp: 60056
Ion Ratio Lower Upper
50 100
52 34.1 26.2 39.4





#9

Propene

Concen: 7.573 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

Instrument :

MSVOA_L

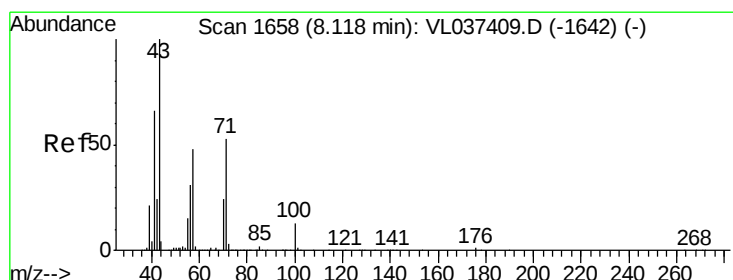
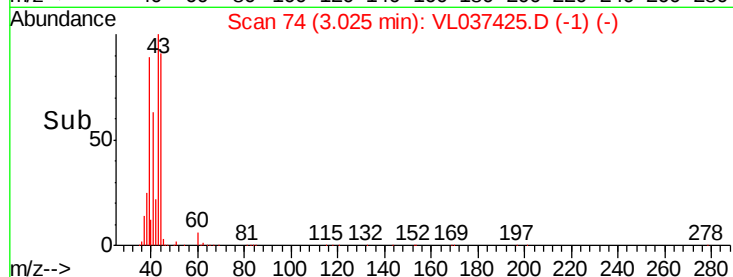
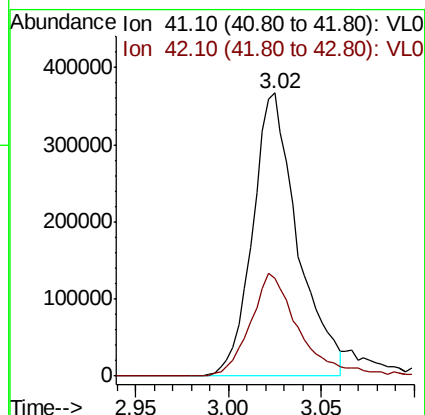
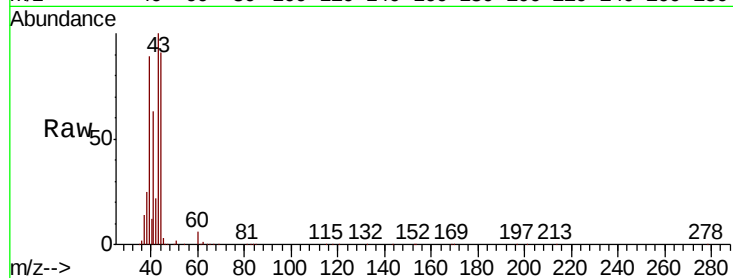
ClientSampleId :

Tot Ion: 41 Resp: 618974

Ion Ratio Lower Upper

41 100

42 39.8 53.8 80.8#



#10

Heptane

Concen: 0.274 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL037425.D

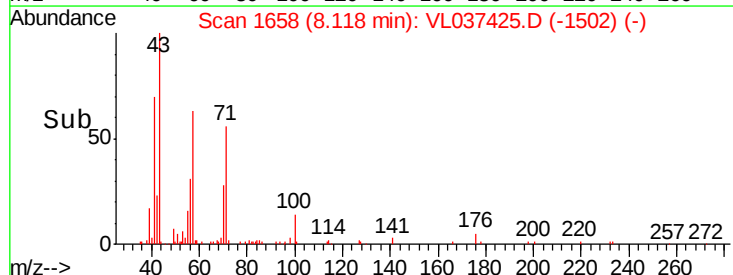
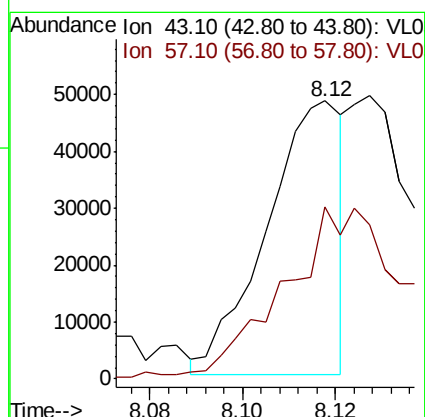
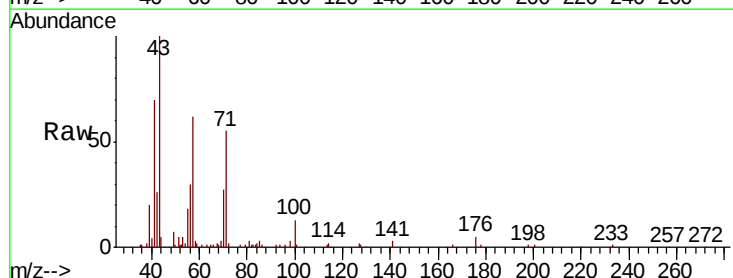
Acq: 12 Aug 2021 22:45

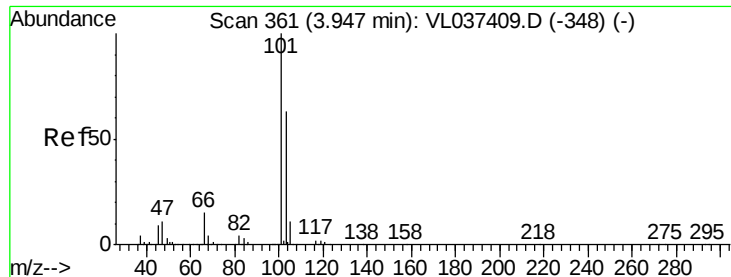
Tgt Ion: 43 Resp: 54556

Ion Ratio Lower Upper

43 100

57 112.7 40.3 60.5#

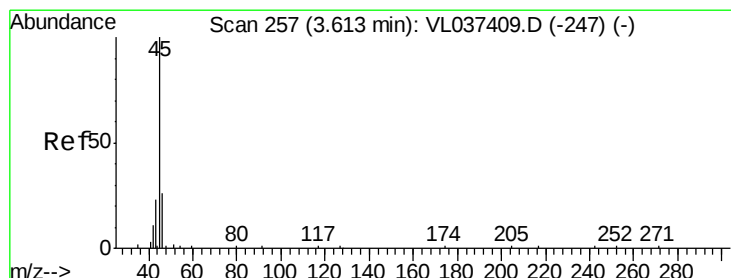
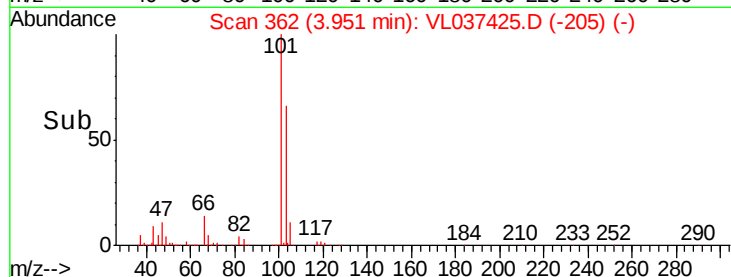
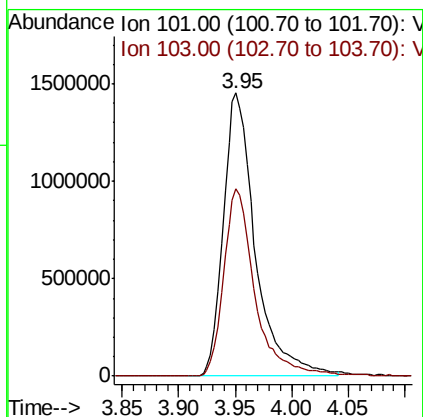
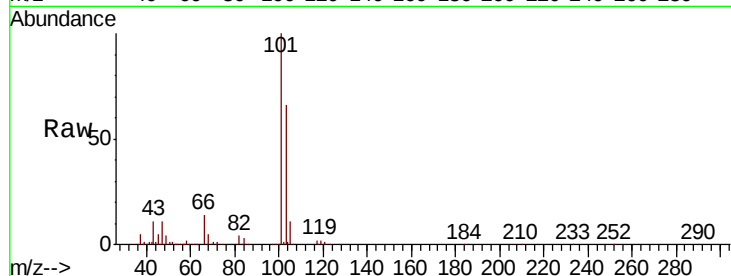




#11
 Trichlorofluoromethane
 Concen: 14.004 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

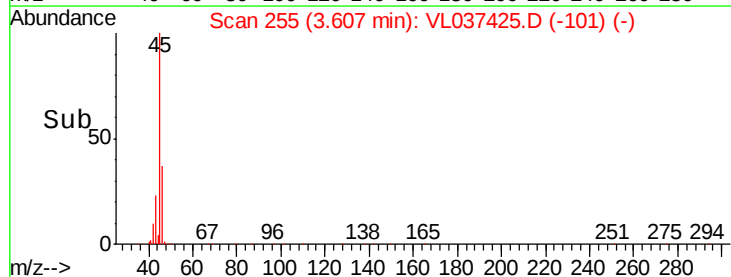
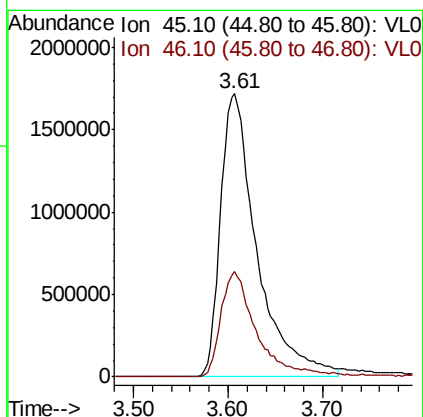
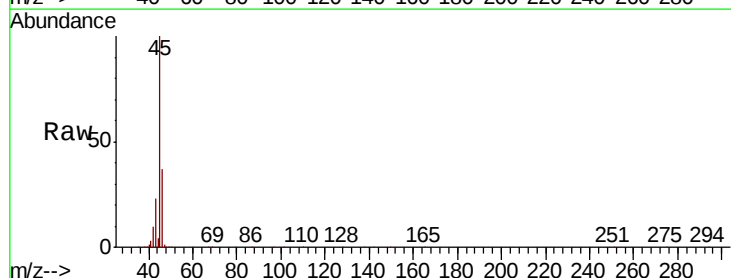
Instrument :
 MSVOA_L
 ClientSampleId :

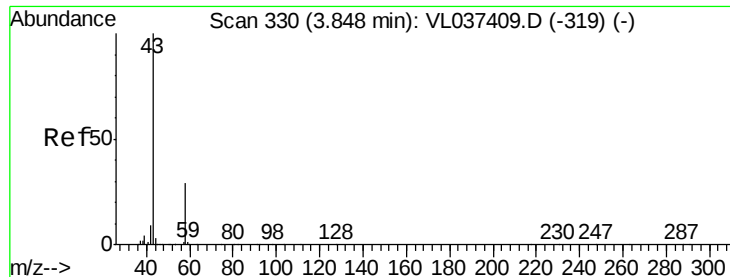
Tot Ion:101 Resp: 2869736
 Ion Ratio Lower Upper
 101 100
 103 66.1 50.2 75.4



#13
 Ethanol
 Concen: 527.587 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. -0.01 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

Tgt Ion: 45 Resp: 4602281
 Ion Ratio Lower Upper
 45 100
 46 37.6 18.0 72.2

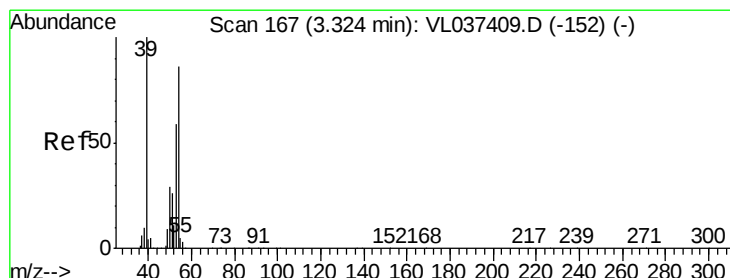
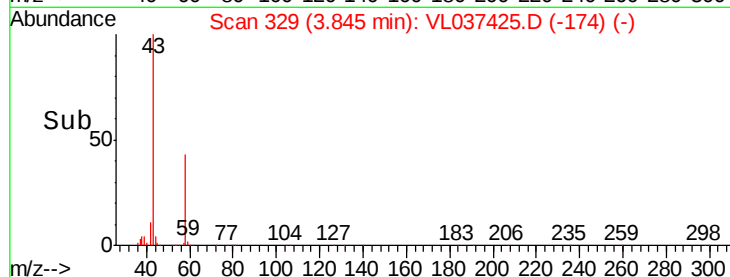
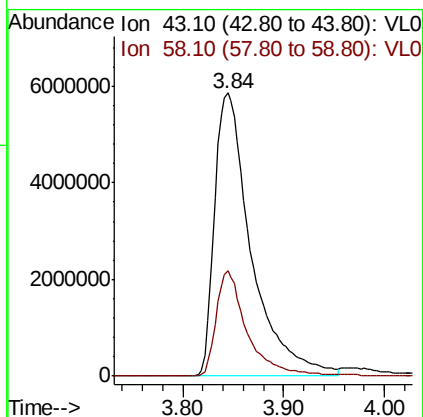
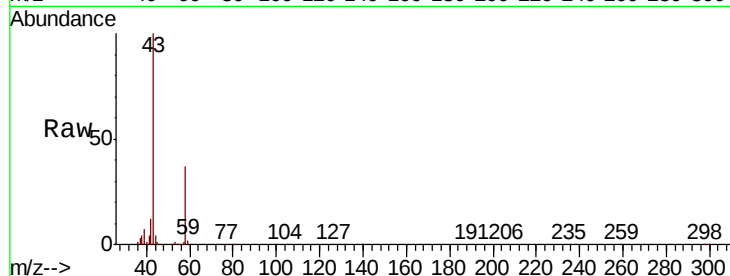




#15
Acetone
Concen: 112.572 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

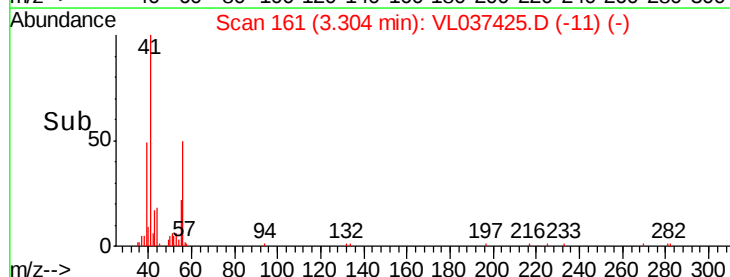
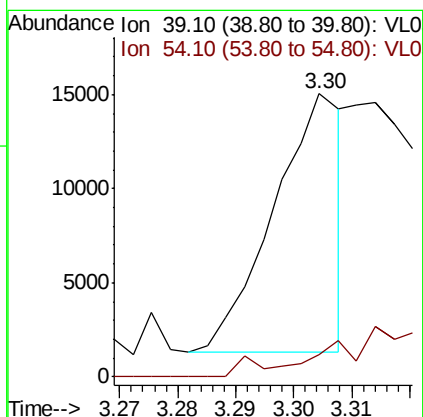
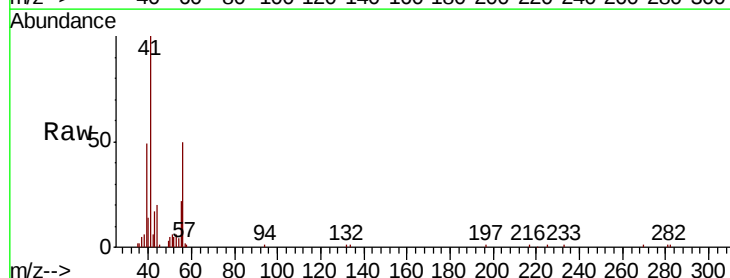
Instrument :
MSVOA_L
ClientSampleId :

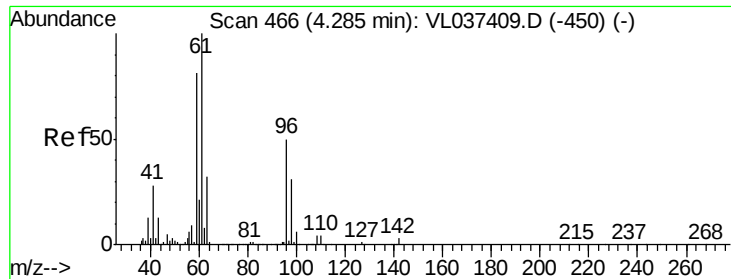
Tot Ion: 43 Resp:14798411
Ion Ratio Lower Upper
43 100
58 32.3 24.4 36.6



#16
1,3-Butadiene
Concen: 0.128 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Tgt Ion: 39 Resp: 11290
Ion Ratio Lower Upper
39 100
54 0.0 61.4 92.0#



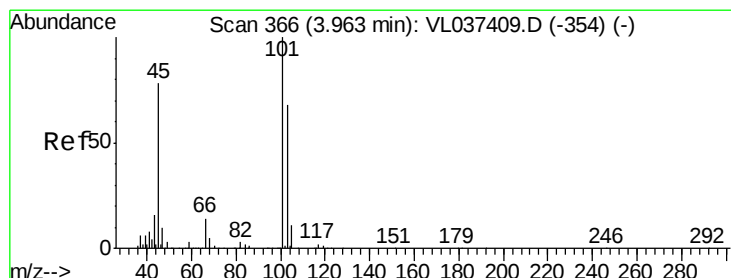
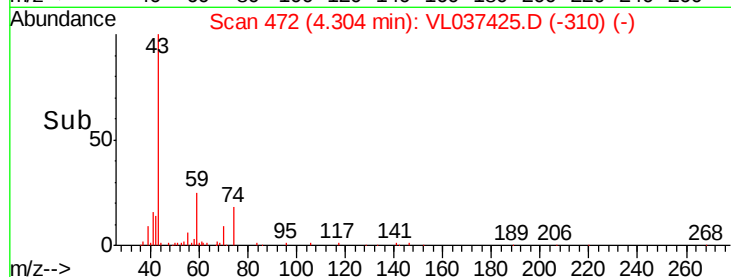
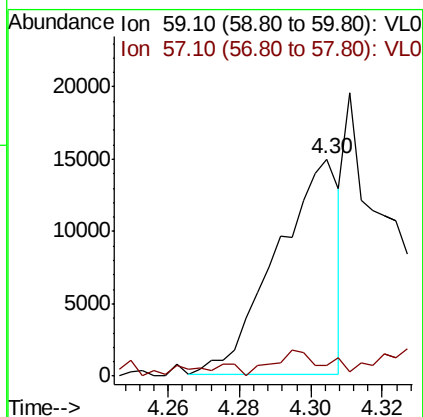
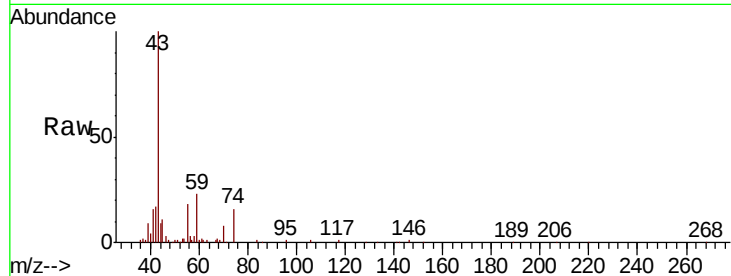


#17

tert-Butyl alcohol
 Concen: 0.143 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.02 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

Instrument :
 MSVOA_L
 ClientSampled :

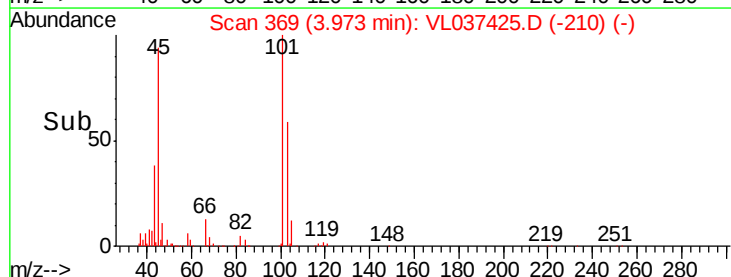
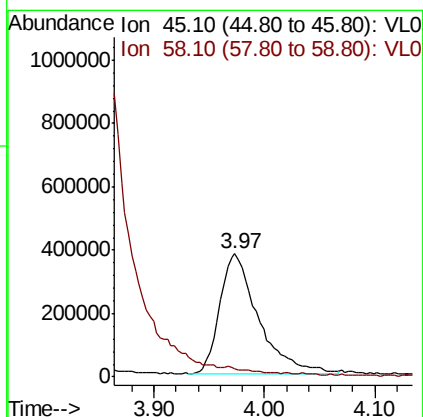
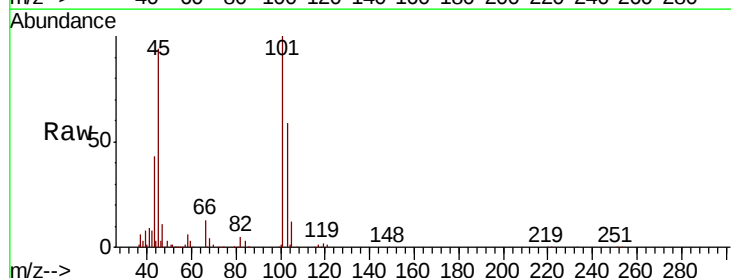
Tot Ion: 59 Resp: 17943
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

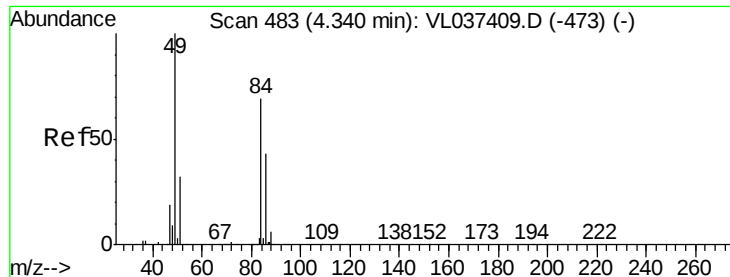


#19

Isopropyl Alcohol
 Concen: 12.271 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

Tgt Ion: 45 Resp: 938762
 Ion Ratio Lower Upper
 45 100
 58 508.5 2.2 3.4#

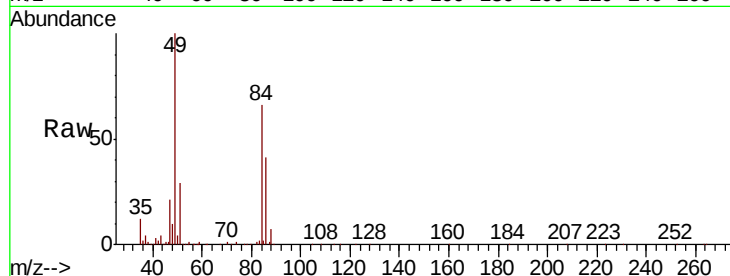




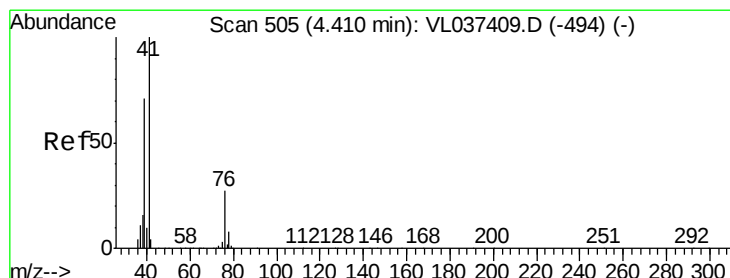
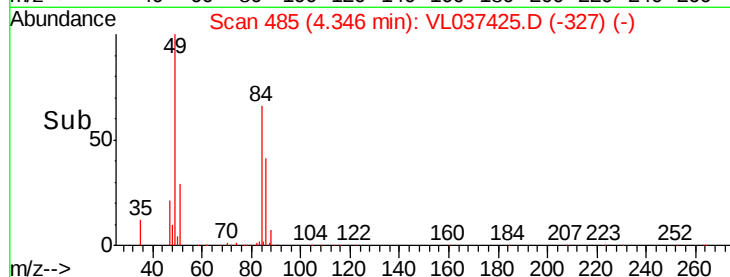
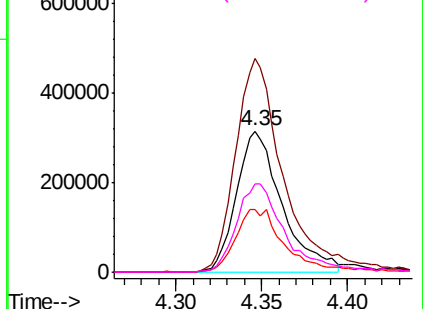
#20
Methvlene Chloride
Concen: 8.381 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 582588
Ion Ratio Lower Upper
84 100
49 151.0 116.0 174.0
51 43.8 37.1 55.7
86 62.3 49.4 74.0

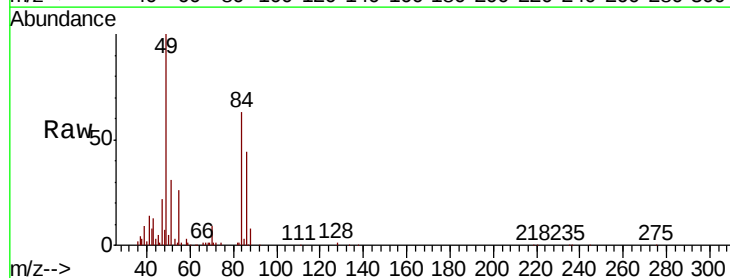


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

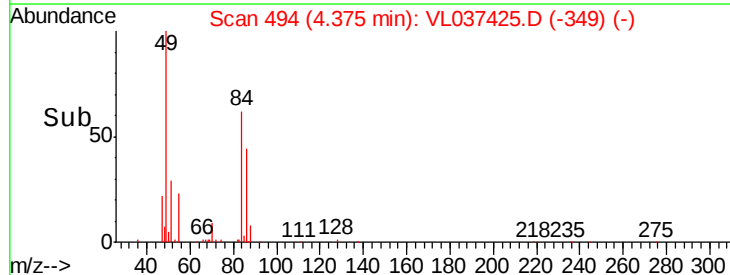
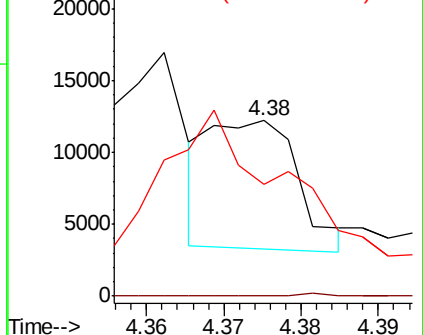


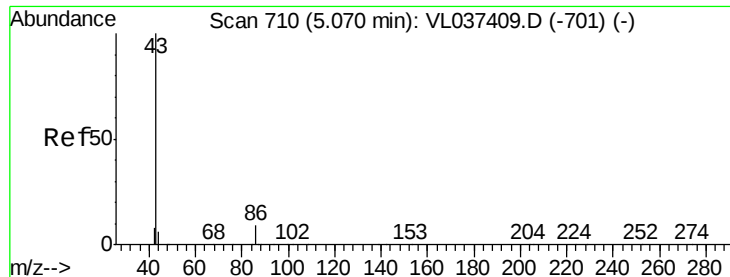
#21
Allyl Chloride
Concen: 0.068 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.04 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Tgt Ion: 41 Resp: 7052
Ion Ratio Lower Upper
41 100
76 0.0 23.7 35.5#
39 336.9 62.3 93.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

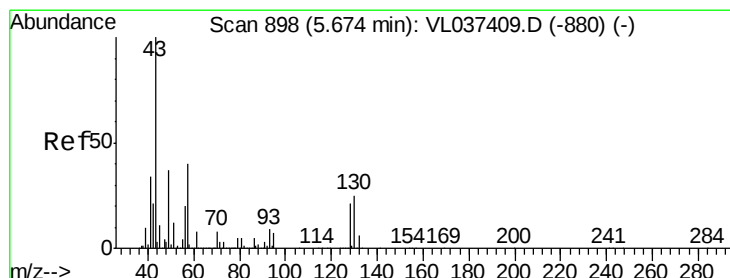
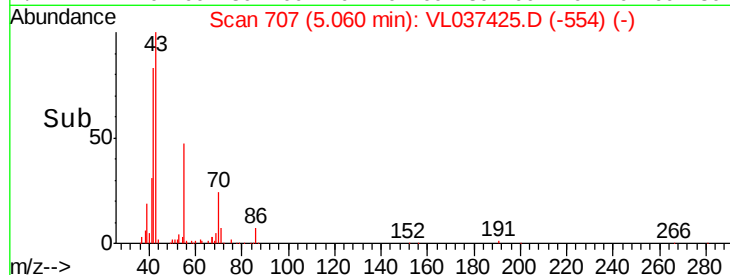
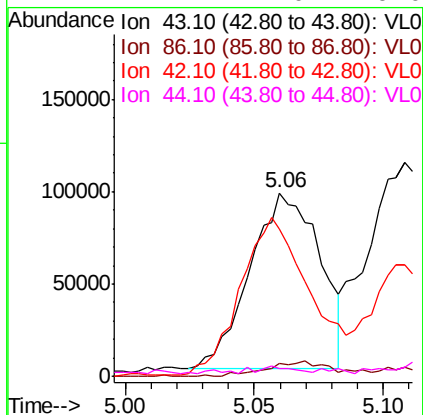
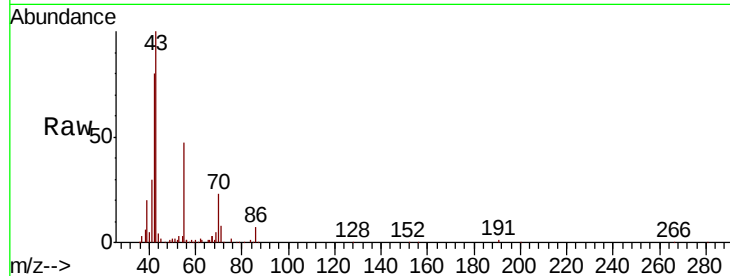




#23
 Vinyl Acetate
 Concen: 0.895 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

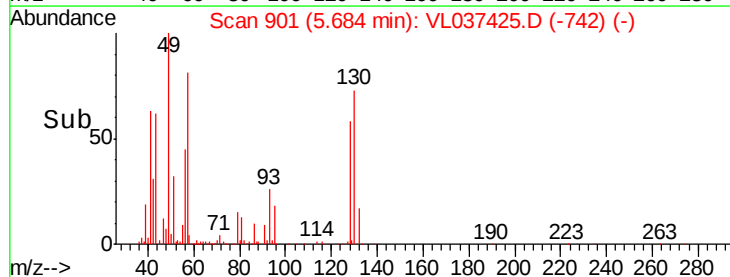
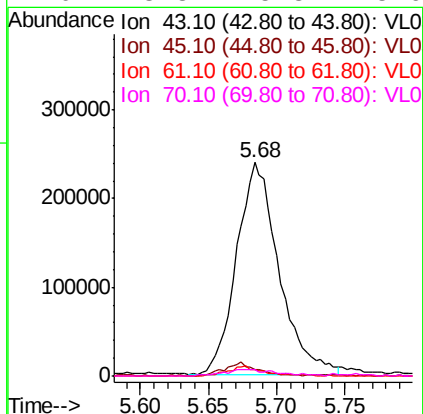
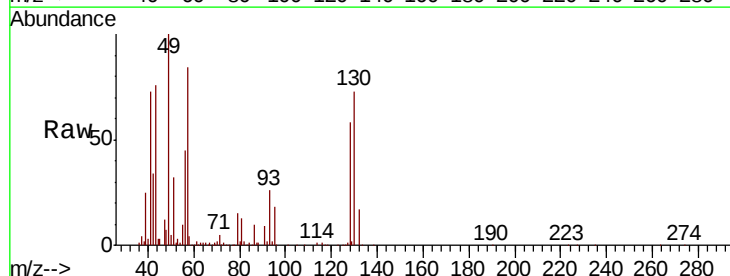
Instrument :
 MSVOA_L
 ClientSampleId :

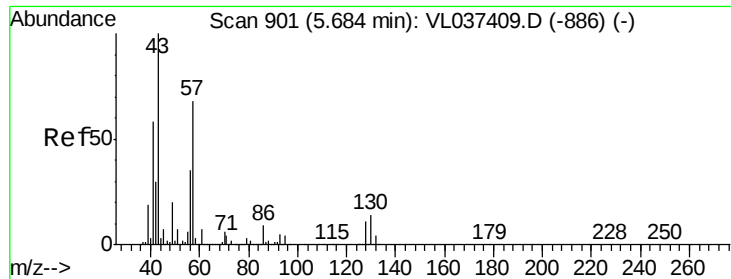
Tot Ion:	43	Resp:	180624
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.8	8.8
42	81.5	7.7	11.5#
44	2.4	4.0	6.0#



#25
 Ethyl Acetate
 Concen: 1.648 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

Tgt Ion:	43	Resp:	516207
Ion	Ratio	Lower	Upper
43	100		
45	5.2	7.9	11.9#
61	4.0	7.7	11.5#
70	3.8	5.8	8.6#

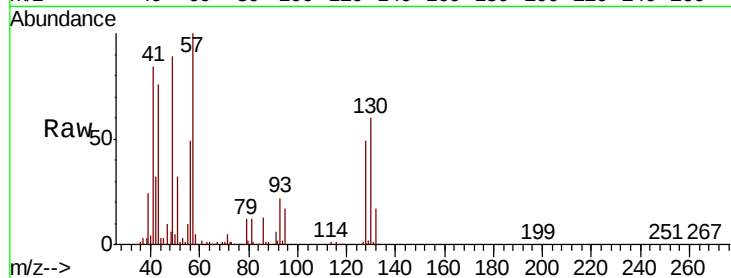




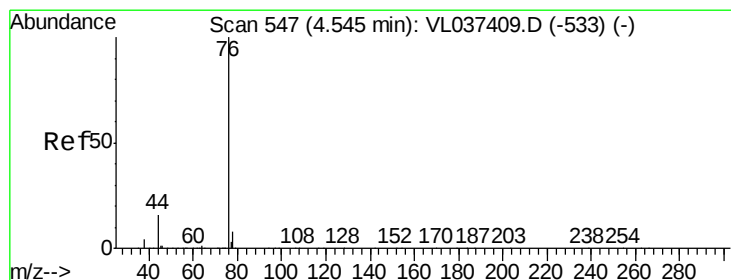
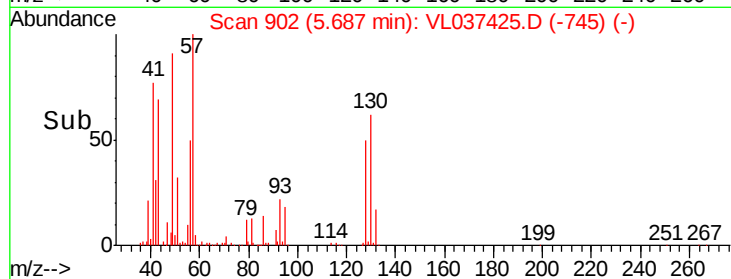
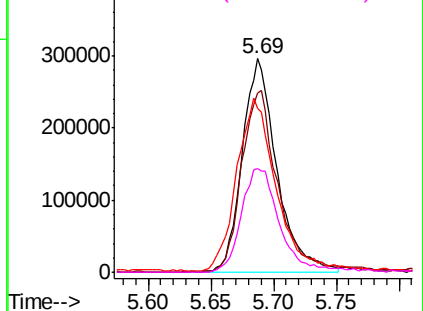
#26
Hexane
Concen: 3.521 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 569326
Ion Ratio Lower Upper
57 100
41 91.6 72.5 108.7
43 91.0 169.3 253.9#
56 54.7 42.3 63.5

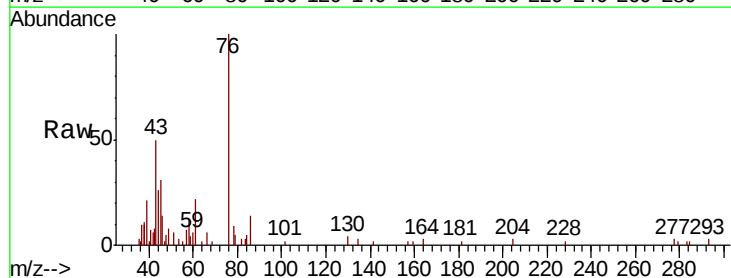


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

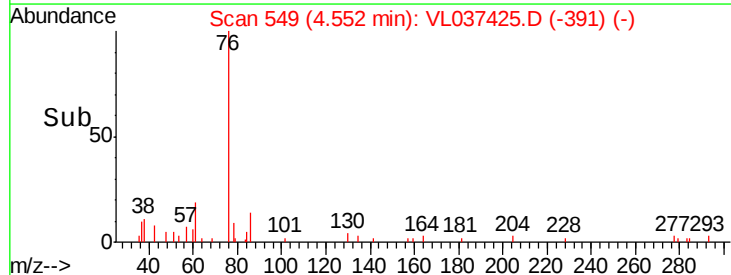
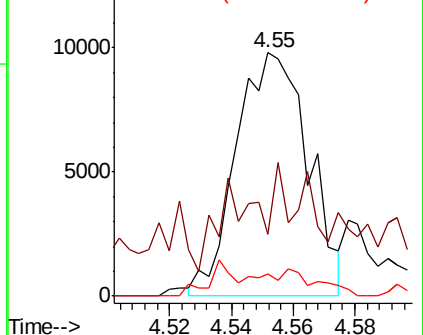


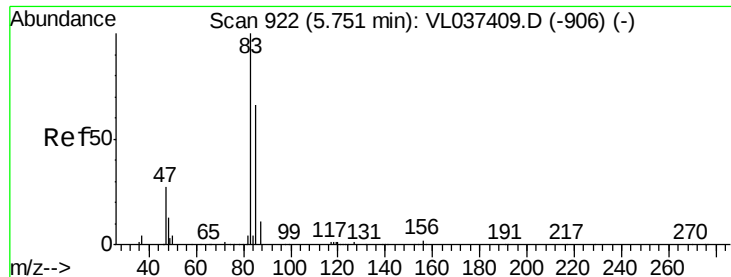
#27
Carbon Disulfide
Concen: 0.116 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Tgt Ion: 76 Resp: 15863
Ion Ratio Lower Upper
76 100
44 42.7 14.4 21.6#
78 0.0 8.0 12.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 1.465 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

Instrument :

MSVOA_L

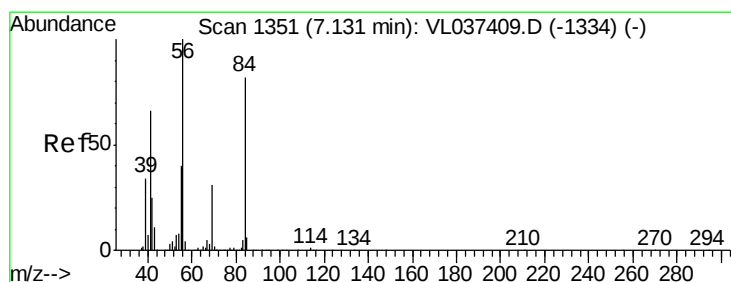
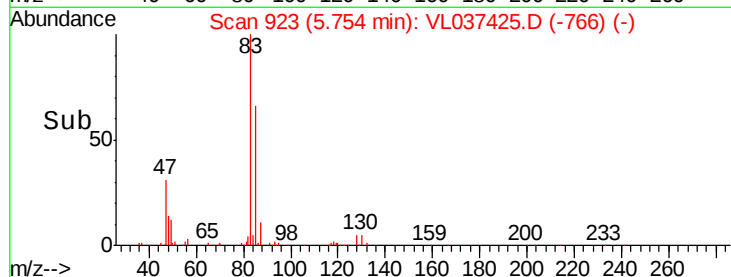
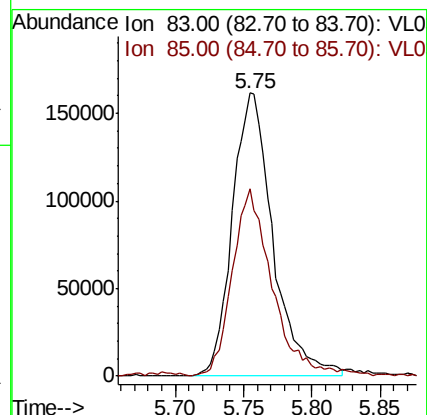
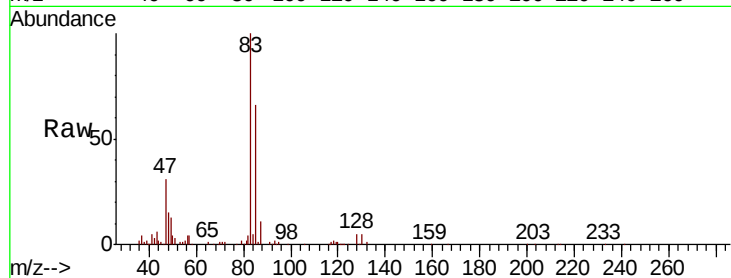
ClientSampleId :

Tot Ion: 83 Resp: 333584

Ion Ratio Lower Upper

83 100

85 66.4 52.4 78.6



#30

Cyclohexane

Concen: 0.340 ppbv

RT: 7.13 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

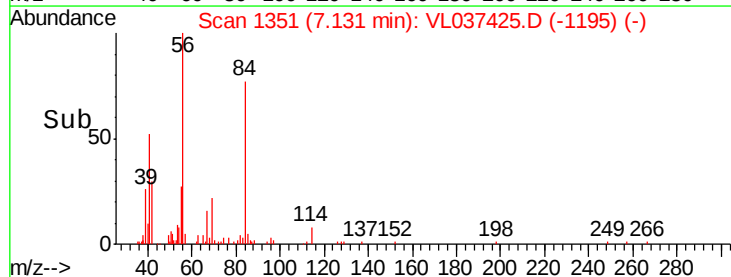
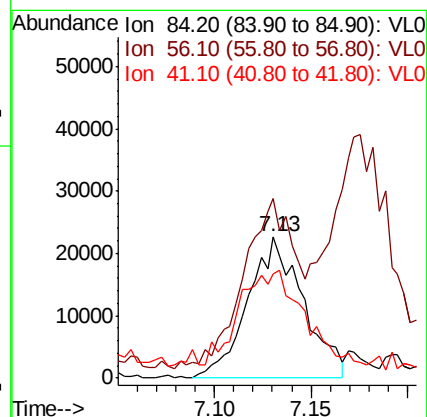
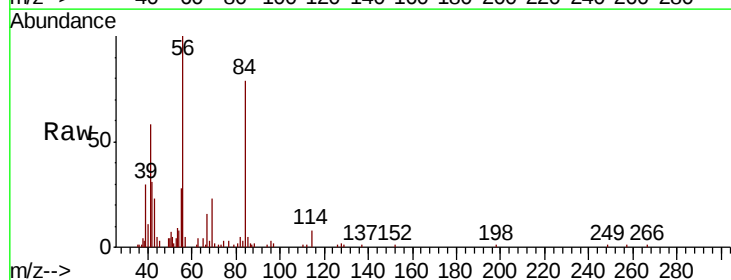
Tgt Ion: 84 Resp: 45252

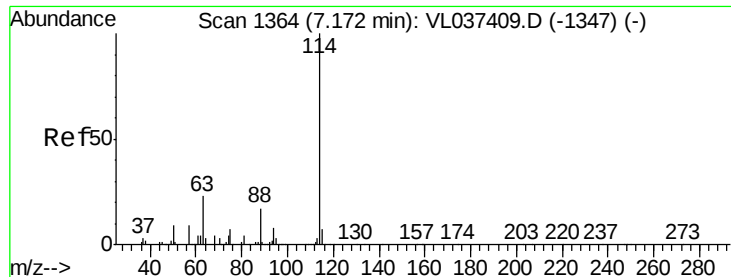
Ion Ratio Lower Upper

84 100

56 125.7 109.6 164.4

41 91.4 66.6 99.8

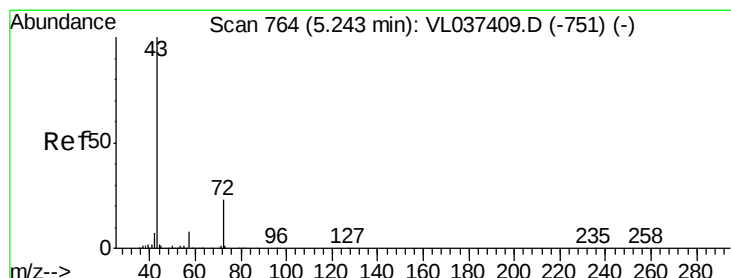
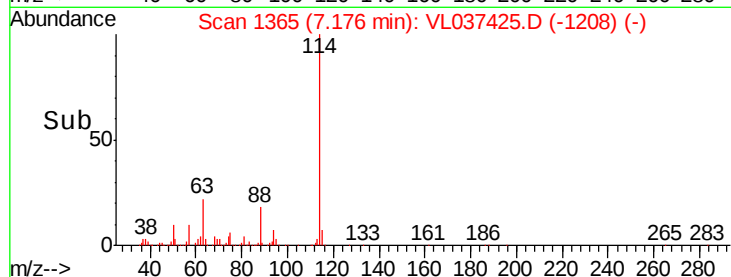
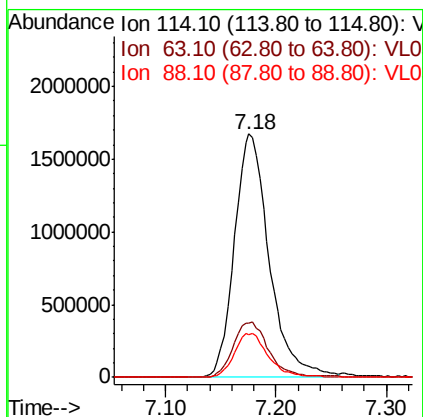
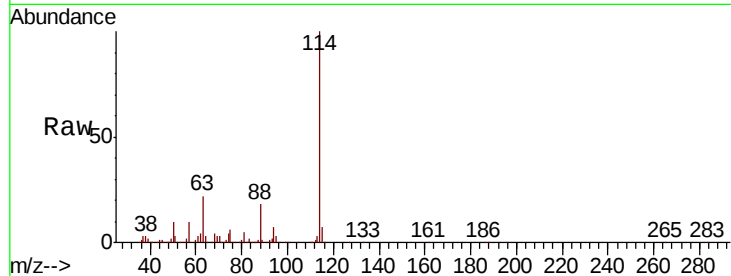




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

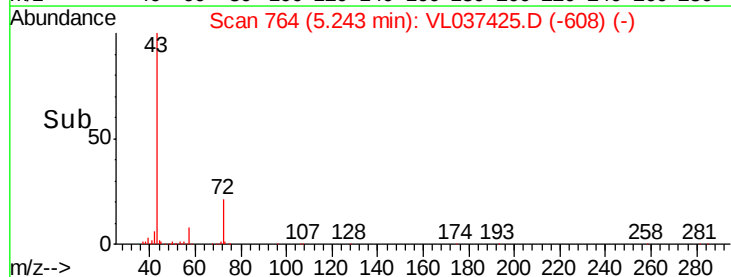
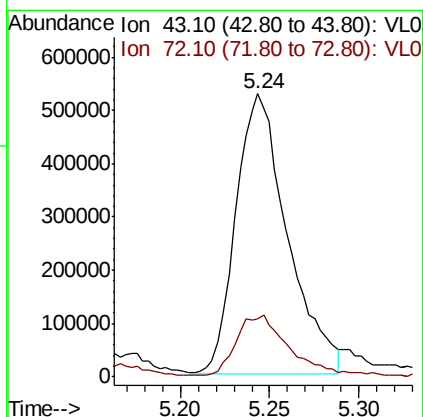
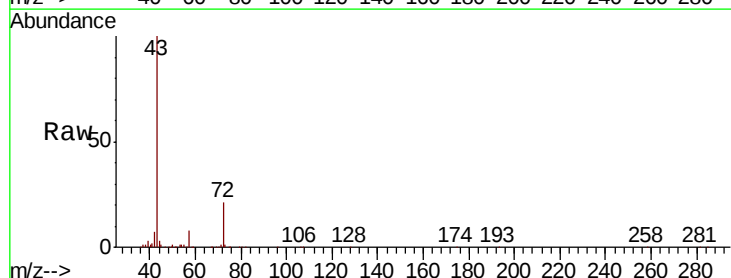
Instrument :
 MSVOA_L
 ClientSampleId :

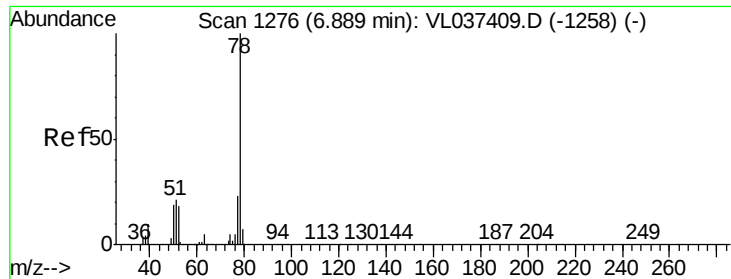
Tot Ion:114 Resp: 3664795
 Ion Ratio Lower Upper
 114 100
 63 23.7 19.4 29.2
 88 18.0 14.2 21.4



#34
 2-Butanone
 Concen: 7.001 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

Tgt Ion: 43 Resp: 1059219
 Ion Ratio Lower Upper
 43 100
 72 24.2 17.7 26.5

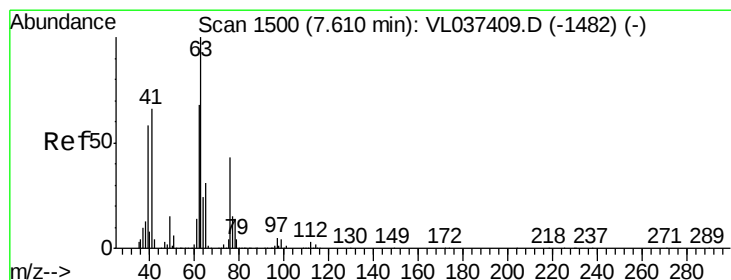
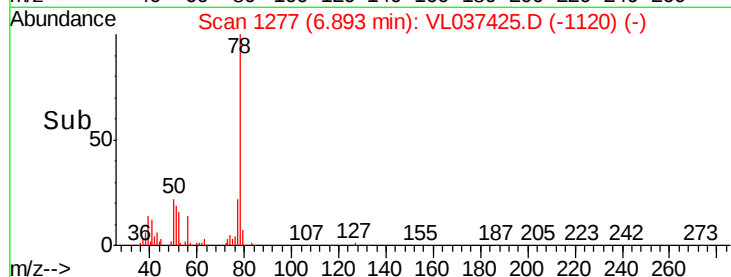
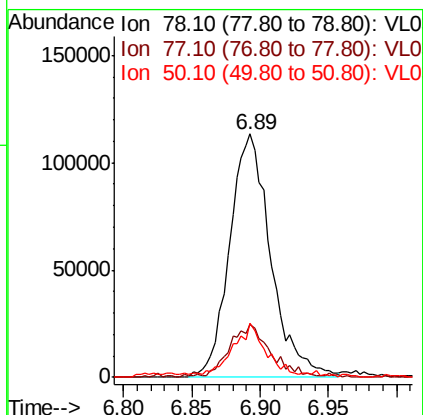
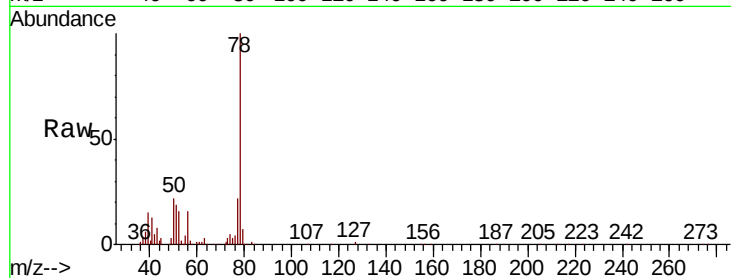




#36
Benzene
Concen: 0.769 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

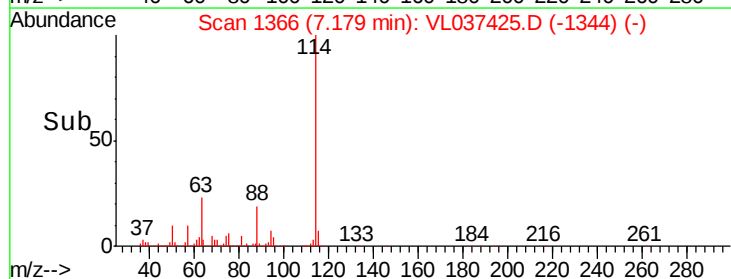
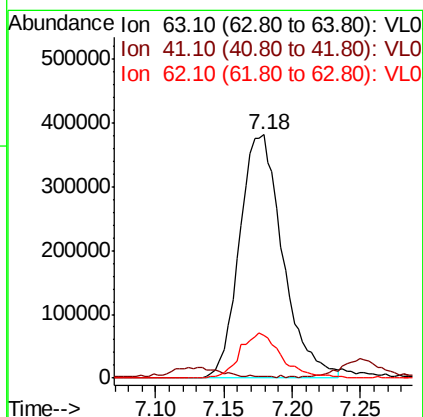
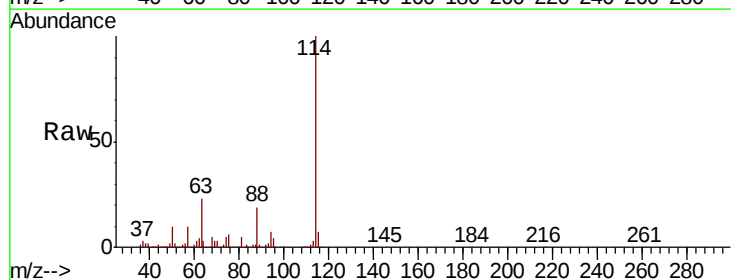
Instrument :
MSVOA_L
ClientSampleId :

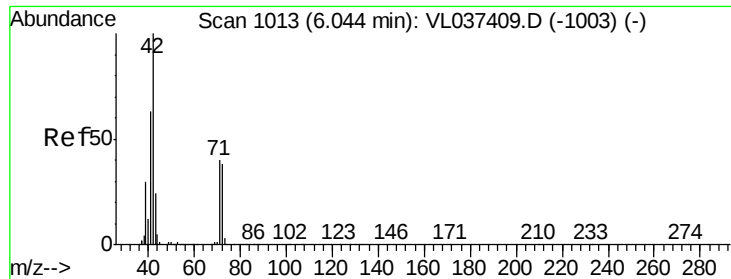
Tot Ion	Ratio	Lower	Upper
78	100		
77	21.2	18.6	27.8
50	22.3	14.9	22.3



#39
1,2-Dichloropropane
Concen: 7.131 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.43 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	17.4	54.5	81.7#





#41

Tetrahydrofuran

Concen: 0.138 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

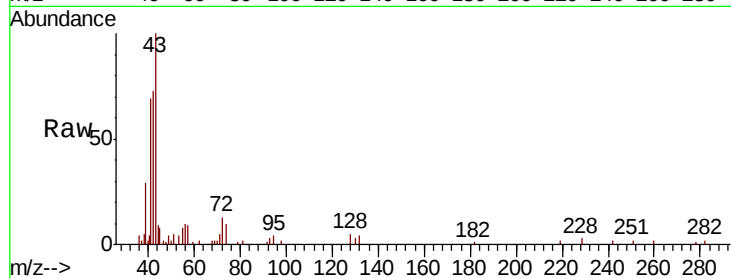
Tot Ion: 42 Resp: 9610

Ion Ratio Lower Upper

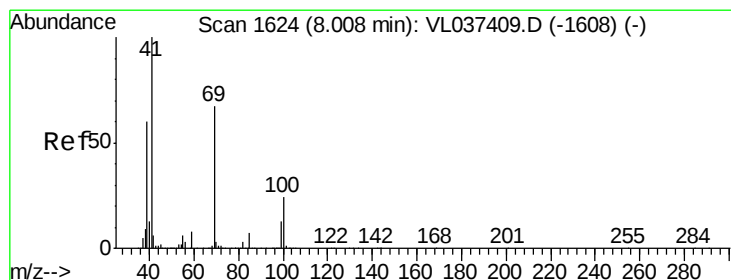
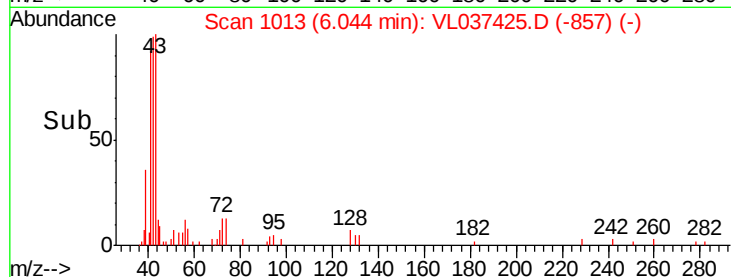
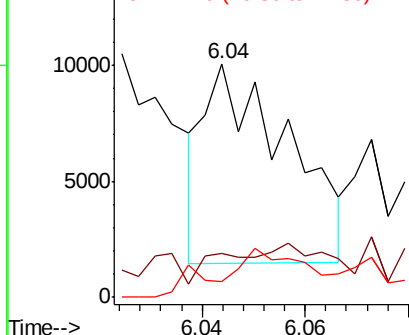
42 100

72 0.0 33.5 50.3#

71 41.5 32.6 48.8



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#43

Methyl Methacrylate

Concen: 0.105 ppbv

RT: 8.01 min Scan# 1623

Delta R.T. -0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

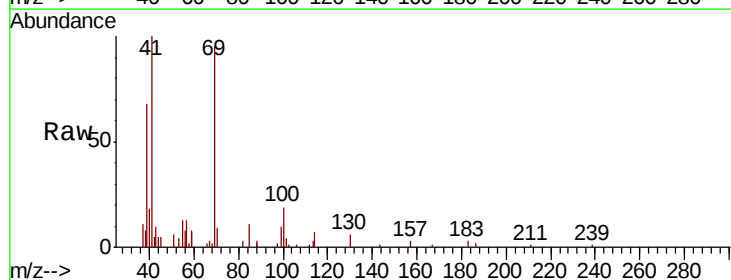
Tgt Ion: 69 Resp: 11003

Ion Ratio Lower Upper

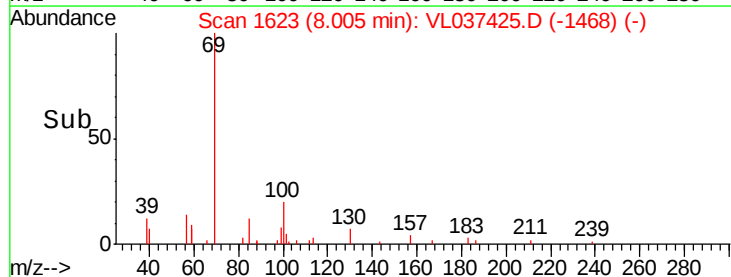
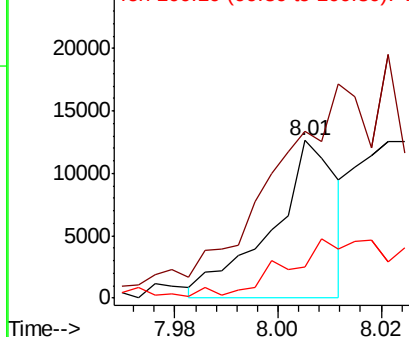
69 100

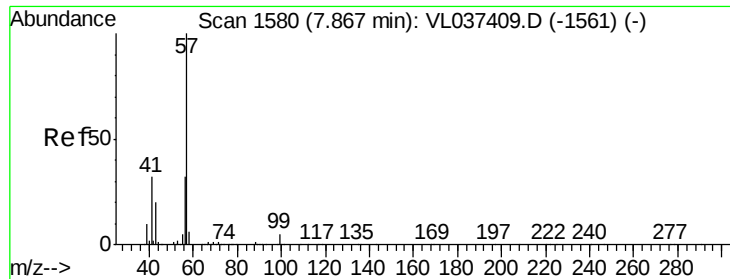
41 0.0 118.1 177.1#

100 91.0 27.6 41.4#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

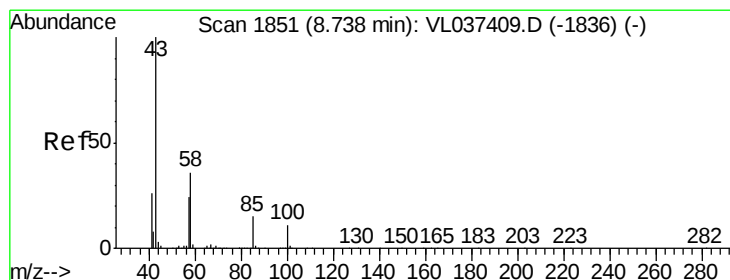
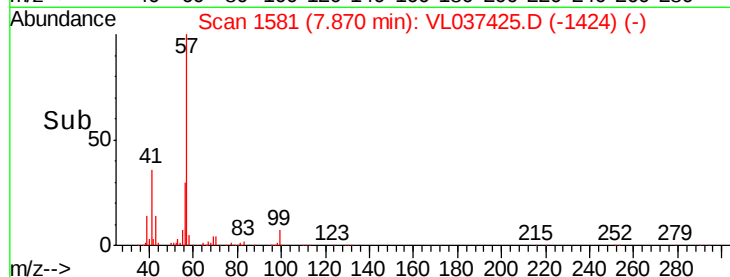
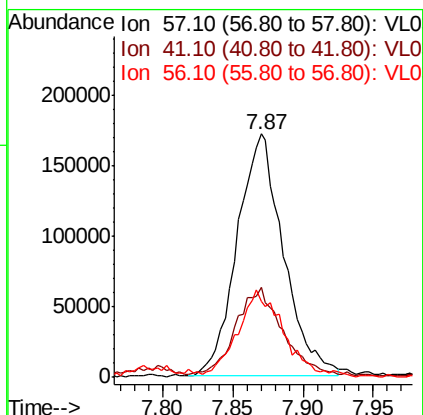
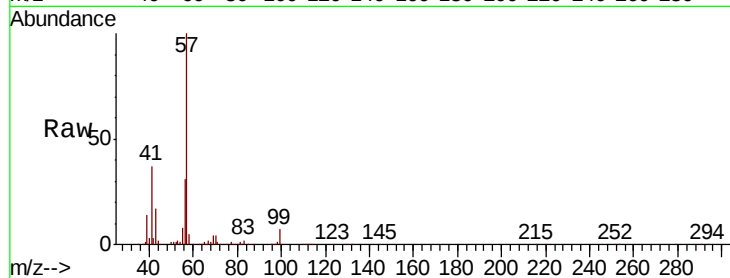




#44
 2,2,4-Trimethylpentane
 Concen: 0.764 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

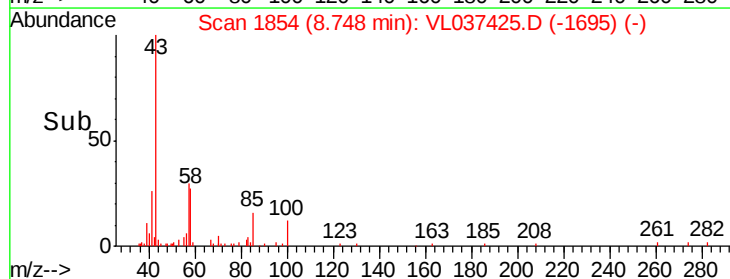
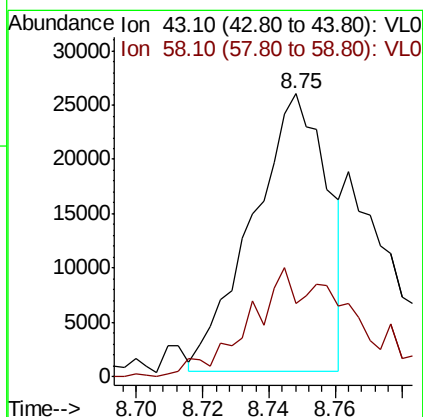
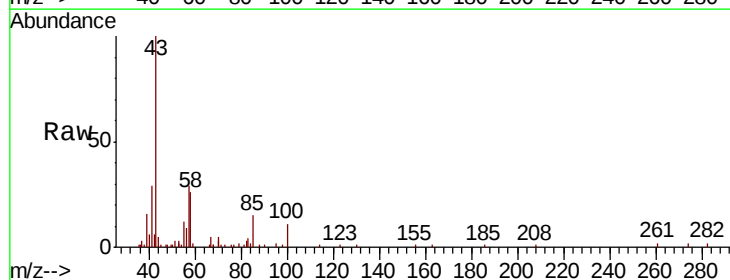
Instrument :
 MSVOA_L
 ClientSampleId :

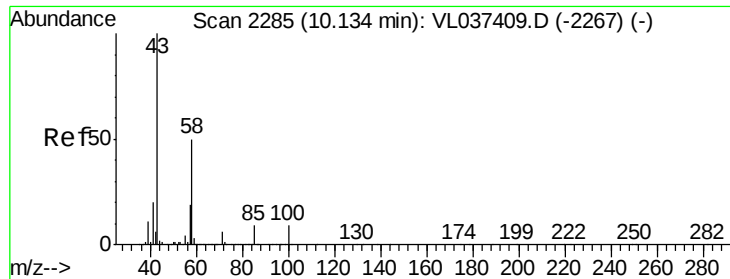
Tot Ion	57	Resp	394895
Ion Ratio	Lower	Upper	
57	100		
41	39.3	26.4	39.6
56	35.7	25.0	37.4



#50
 4-Methyl-2-Pentanone
 Concen: 0.211 ppbv
 RT: 8.75 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

Tgt Ion	43	Resp	40253
Ion Ratio	Lower	Upper	
43	100		
58	55.7	29.9	44.9#

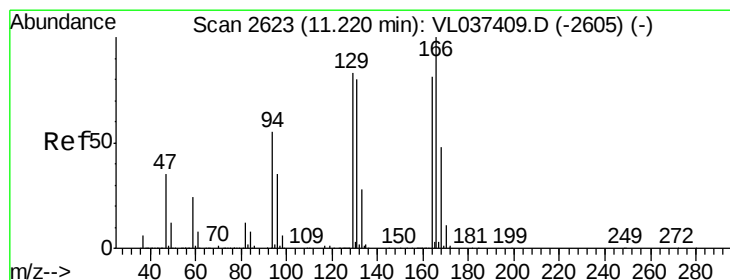
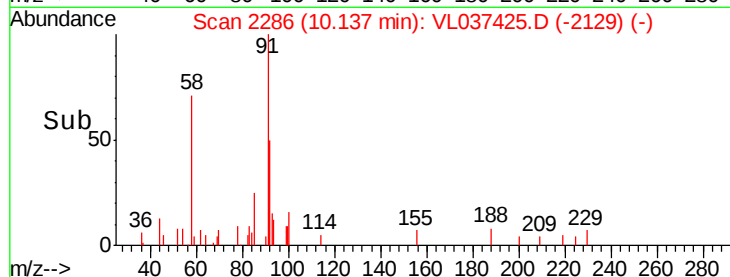
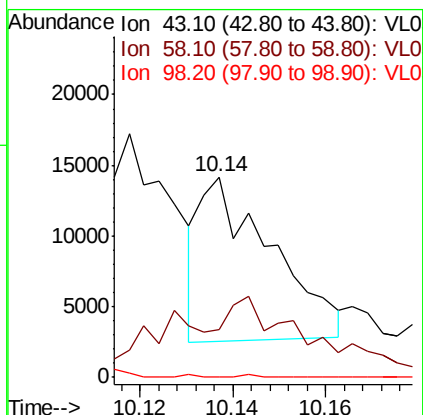
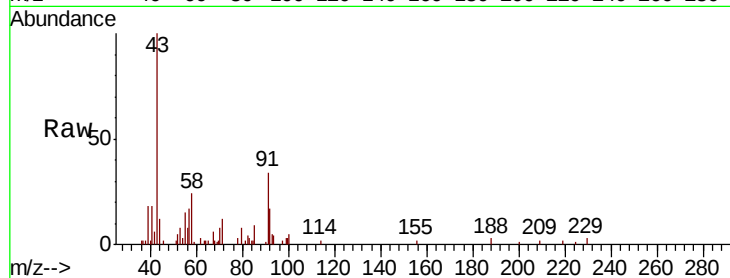




#51
2-Hexanone
Concen: 0.138 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

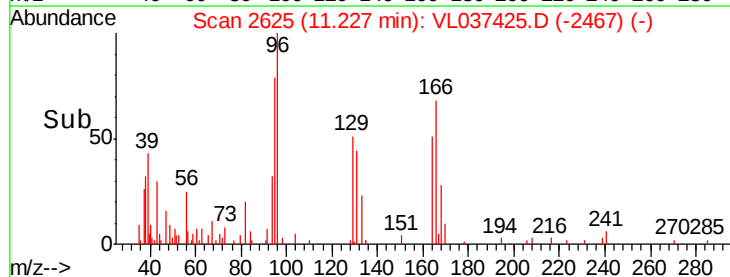
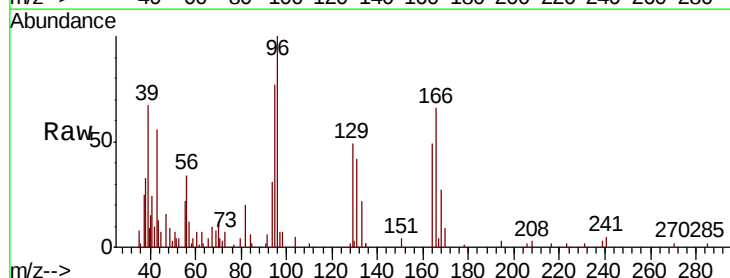
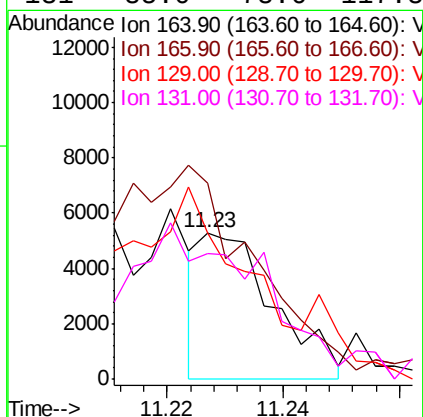
Instrument :
MSVOA_L
ClientSampled :

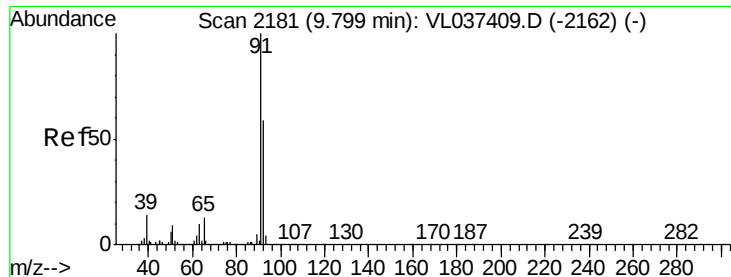
Tot Ion: 43 Resp: 12358
Ion Ratio Lower Upper
43 100
58 97.6 39.9 59.9#
98 0.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.036 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.01 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Tgt Ion:164 Resp: 4641
Ion Ratio Lower Upper
164 100
166 127.4 98.6 147.8
129 74.9 82.0 123.0#
131 85.0 78.6 117.8





#53

Toluene

Concen: 13.453 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

Instrument :

MSVOA_L

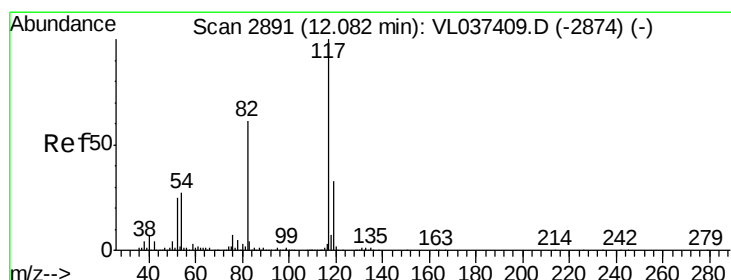
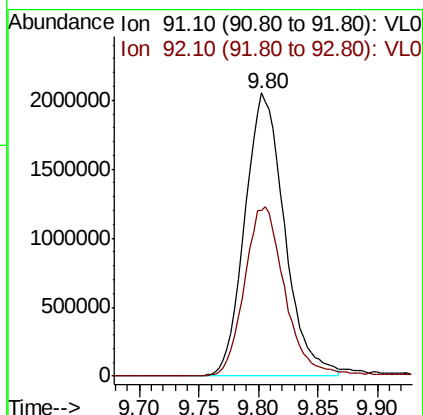
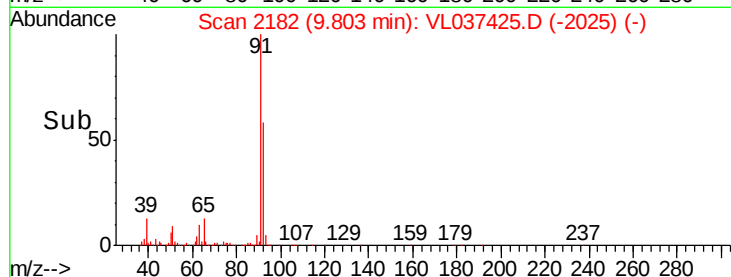
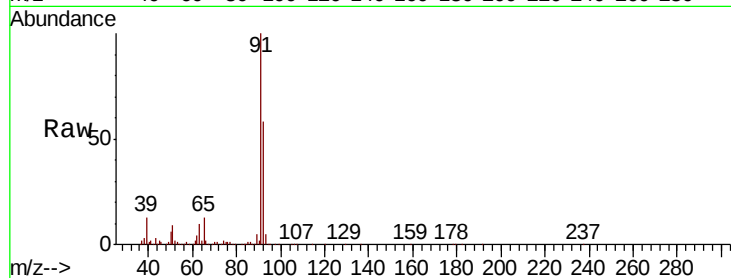
ClientSampleId :

Tot Ion: 91 Resp: 4746368

Ion Ratio Lower Upper

91 100

92 61.9 49.0 73.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

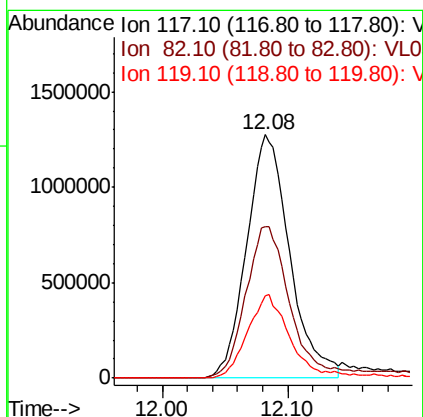
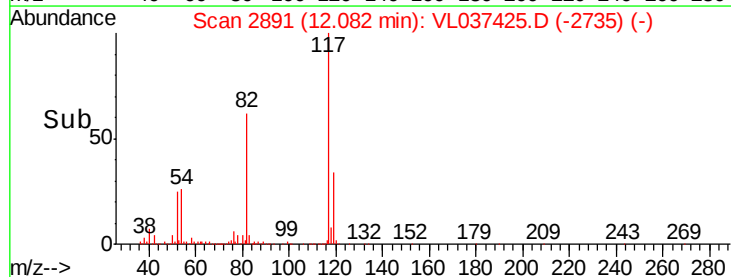
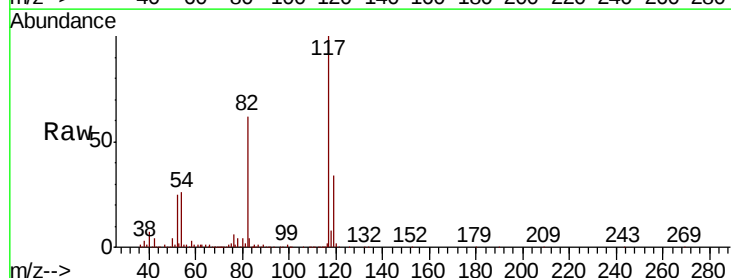
Tgt Ion: 117 Resp: 3049478

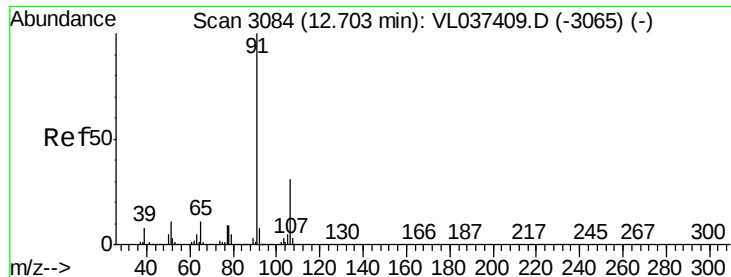
Ion Ratio Lower Upper

117 100

82 68.6 53.1 79.7

119 36.6 28.0 42.0





#58

Ethyl Benzene

Concen: 1.174 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

Instrument :

MSVOA_L

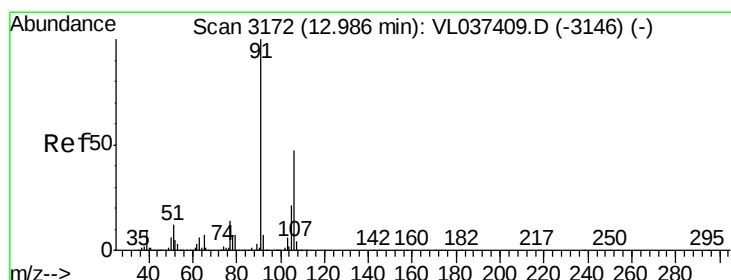
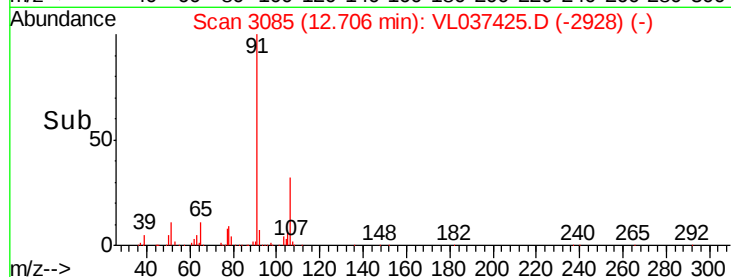
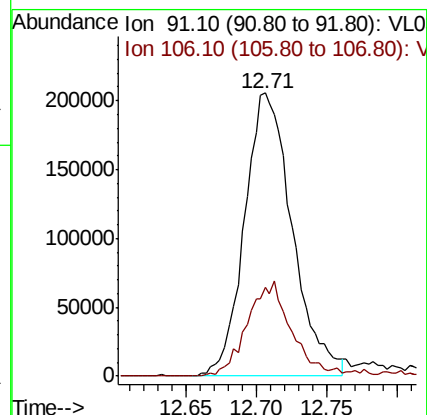
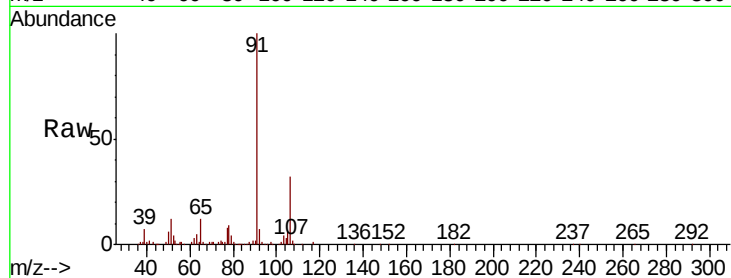
ClientSampleId :

Tot Ion: 91 Resp: 485800

Ion Ratio Lower Upper

91 100

106 31.6 24.7 37.1



#59

m/p-Xylene

Concen: 2.301 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.02 min

Lab File: VL037425.D

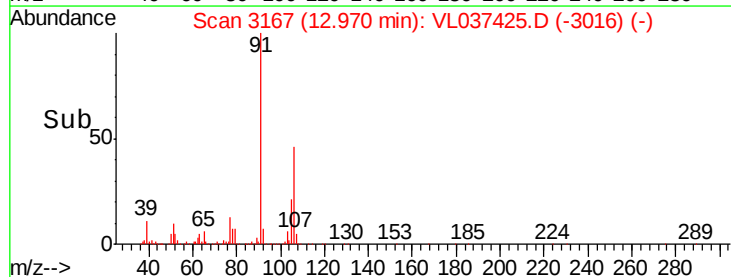
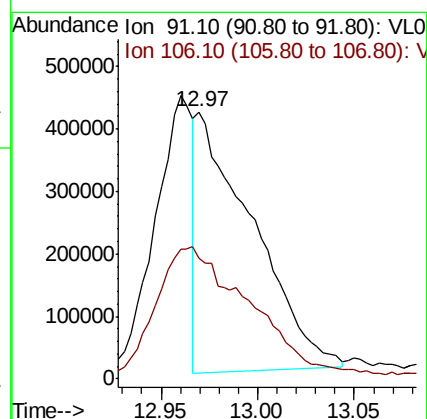
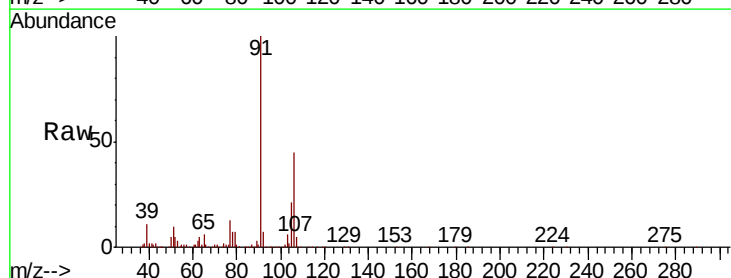
Acq: 12 Aug 2021 22:45

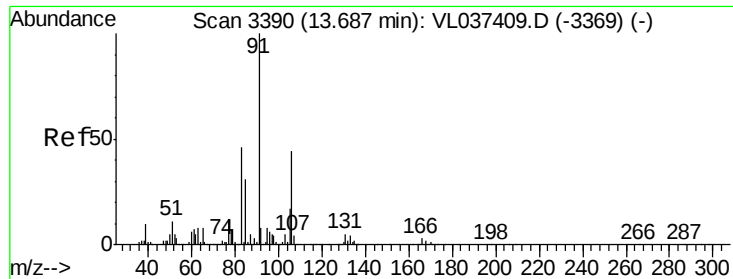
Tgt Ion: 91 Resp: 836259

Ion Ratio Lower Upper

91 100

106 91.0 36.6 54.8#

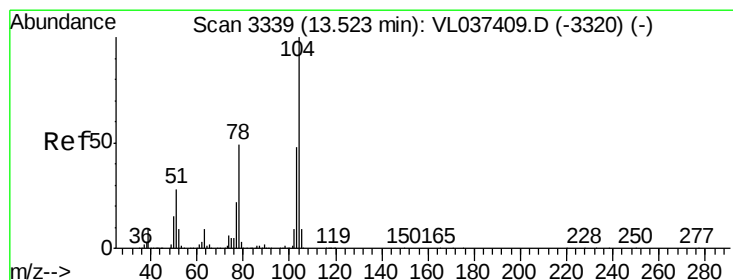
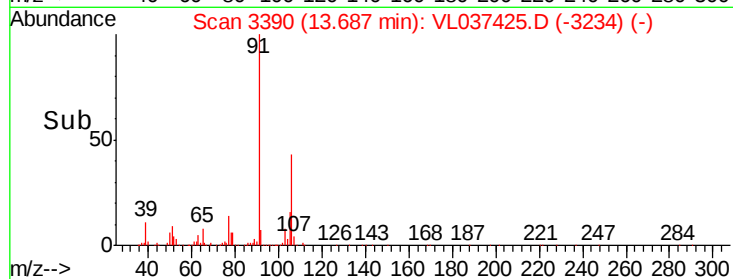
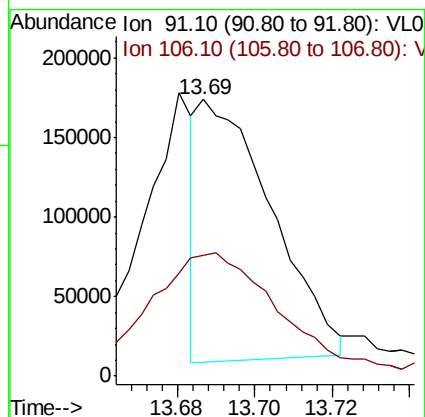
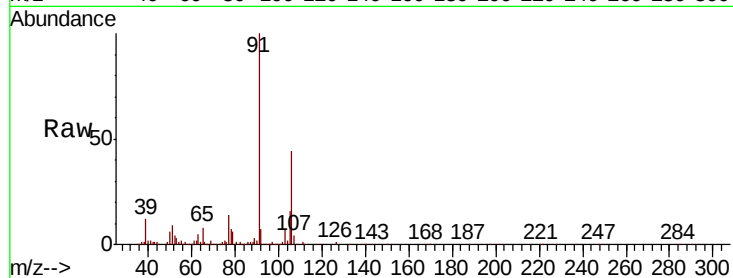




#60
o-Xylene
Concen: 0.636 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

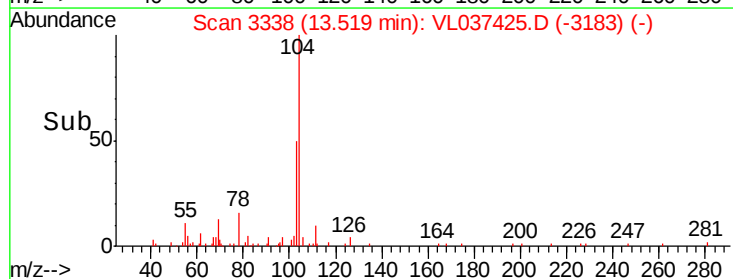
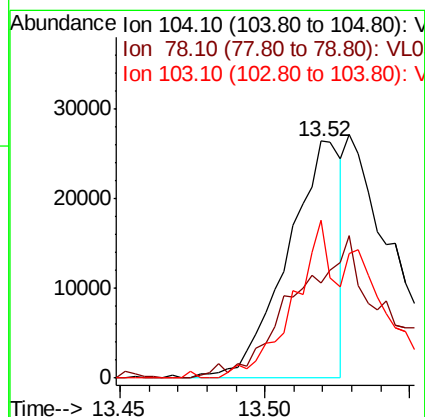
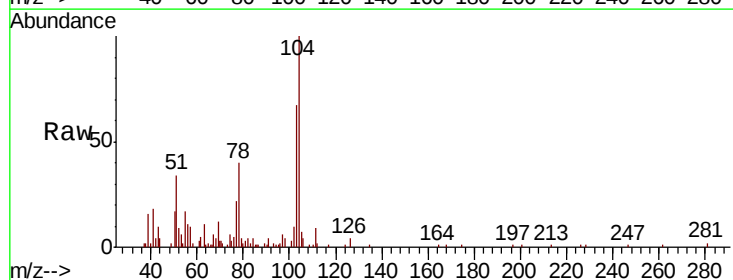
Instrument :
MSVOA_L
ClientSampled :

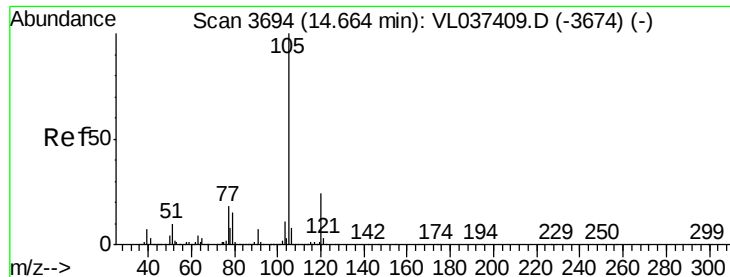
Tot Ion: 91 Resp: 214649
Ion Ratio Lower Upper
91 100
106 91.7 24.1 72.2#



#61
Styrene
Concen: 0.199 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Tgt Ion: 104 Resp: 33892
Ion Ratio Lower Upper
104 100
78 0.0 41.5 62.3#
103 106.3 40.2 60.2#





#62

Isopropylbenzene

Concen: 0.033 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

Instrument :

MSVOA_L

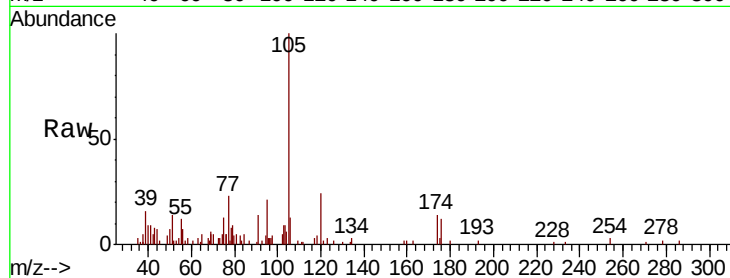
ClientSampleId :

Tot Ion:105 Resp: 16163

Ion Ratio Lower Upper

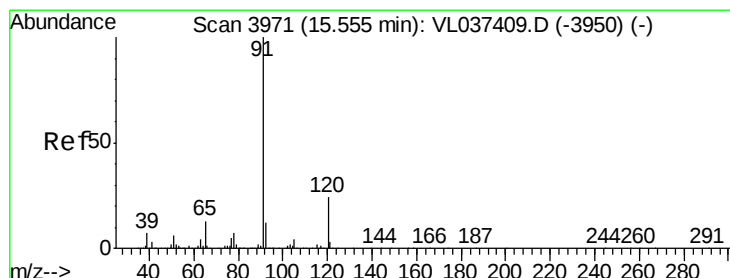
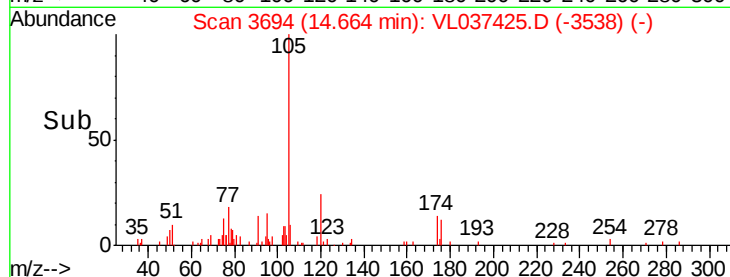
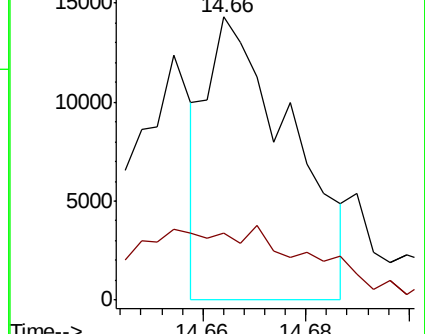
105 100

120 58.7 21.6 32.4#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.066 ppbv

RT: 15.56 min Scan# 3972

Delta R.T. 0.00 min

Lab File: VL037425.D

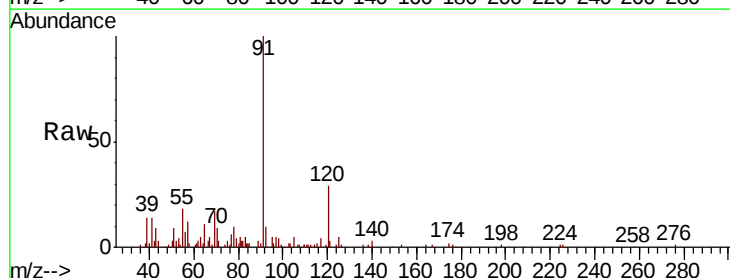
Acq: 12 Aug 2021 22:45

Tgt Ion:120 Resp: 8027

Ion Ratio Lower Upper

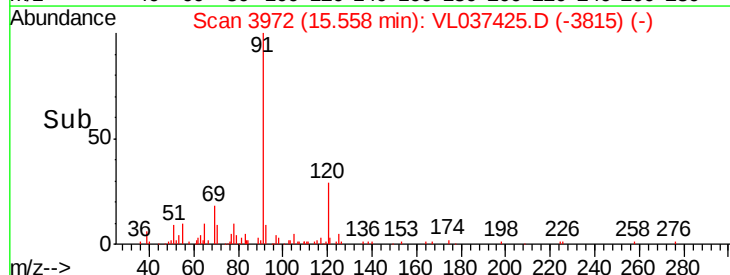
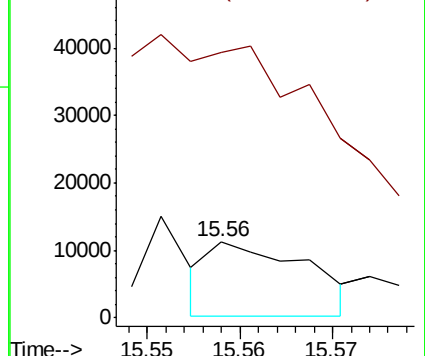
120 100

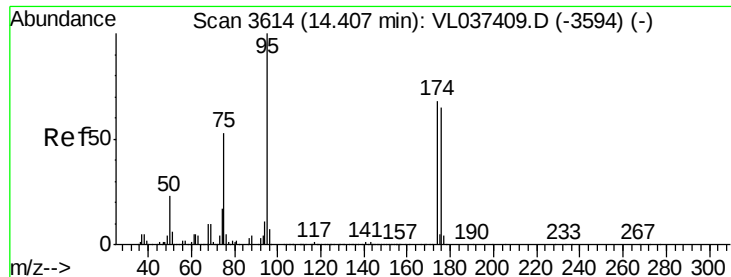
91 0.0 388.4 582.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.970 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

Instrument :

MSVOA_L

ClientSampled :

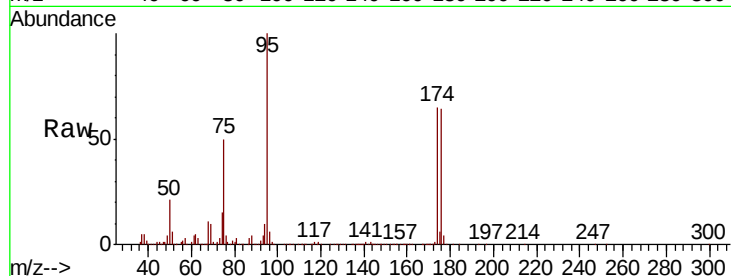
Tot Ion: 95 Resp: 2181068

Ion Ratio Lower Upper

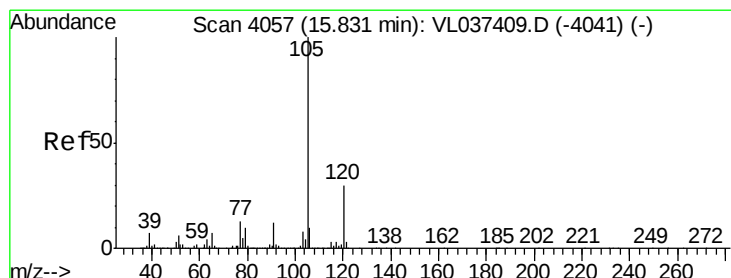
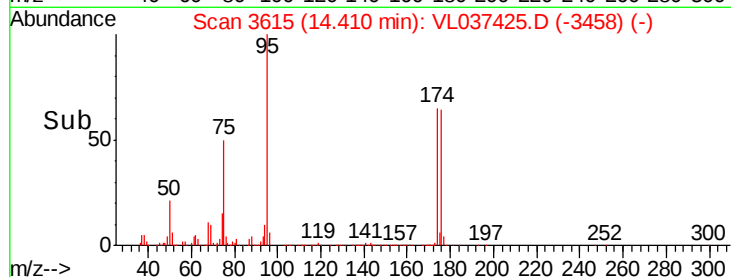
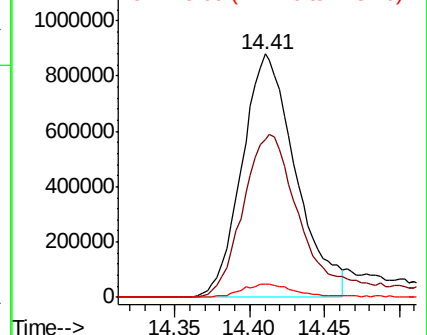
95 100

174 79.9 59.6 89.4

175 6.0 4.3 6.5



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



#72

4-Ethyltoluene

Concen: 0.176 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

Tgt Ion: 105 Resp: 69062

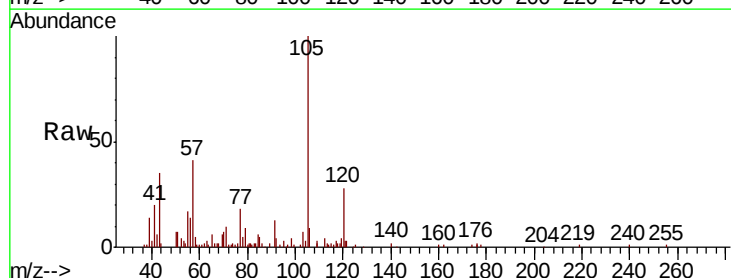
Ion Ratio Lower Upper

105 100

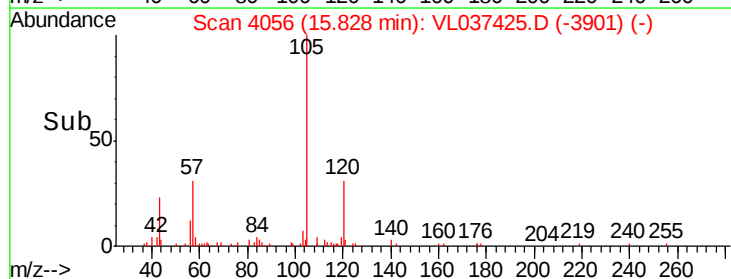
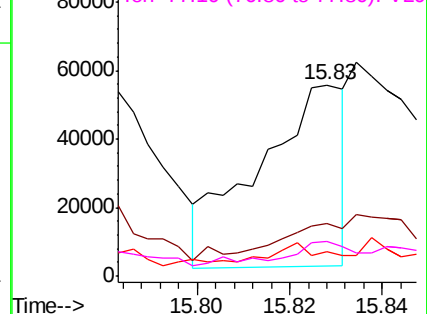
120 0.0 25.0 37.4#

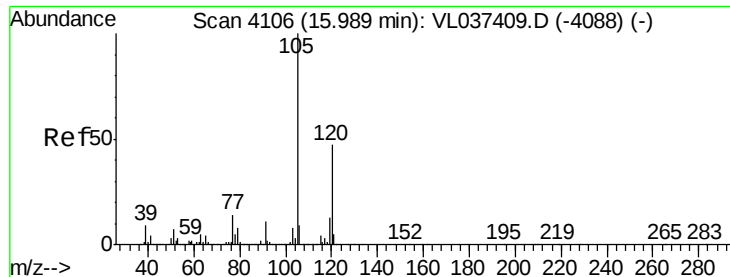
91 0.0 11.2 16.8#

77 40.9 11.2 16.8#



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

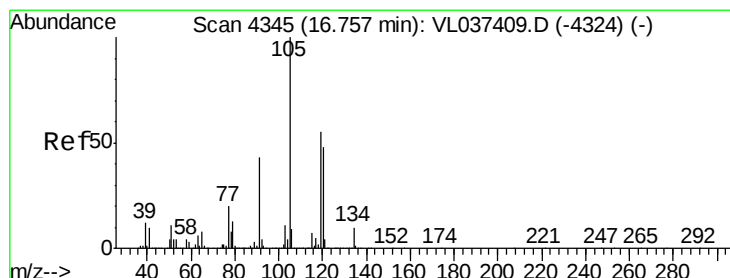
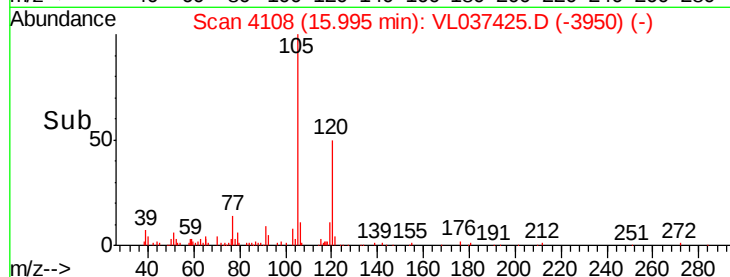
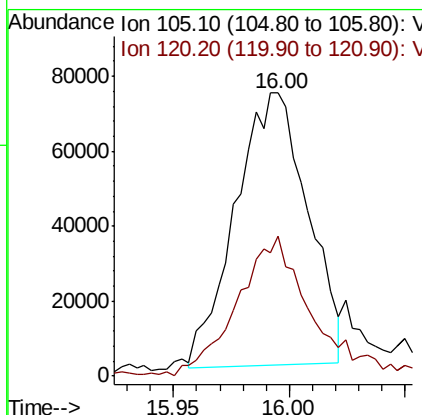
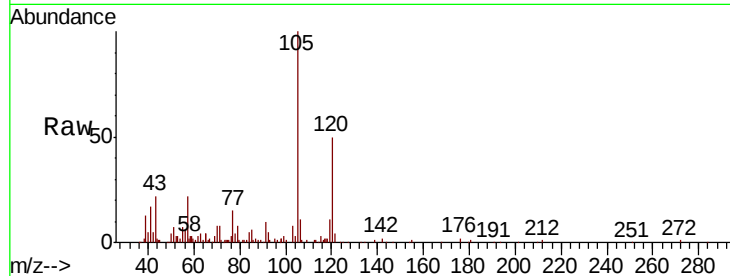




#73
 1,3,5-Trimethylbenzene
 Concen: 0.425 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. 0.01 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

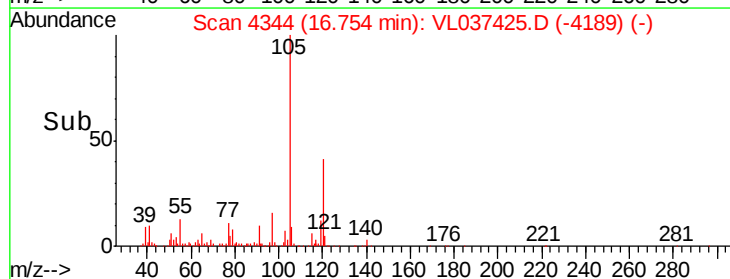
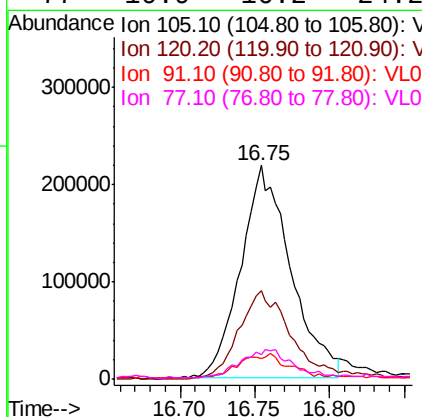
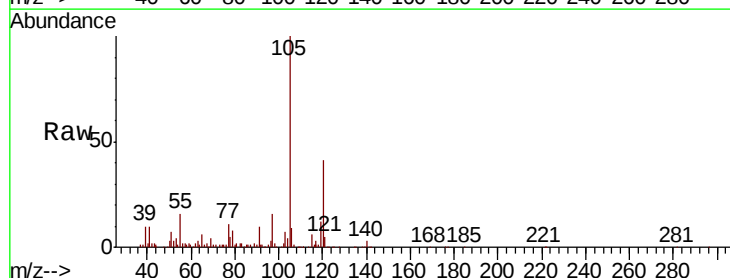
Instrument :
 MSVOA_L
 ClientSampled :

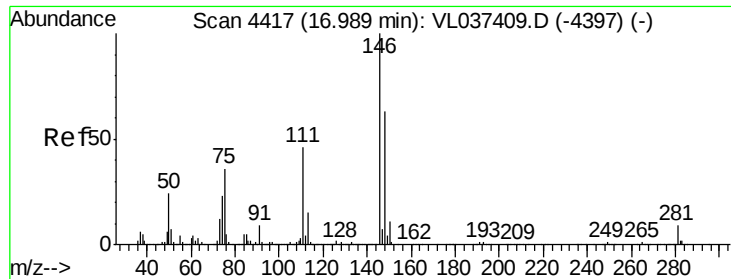
Tot Ion:105 Resp: 157430
 Ion Ratio Lower Upper
 105 100
 120 48.1 37.4 56.0



#74
 1,2,4-Trimethylbenzene
 Concen: 1.346 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. -0.00 min
 Lab File: VL037425.D
 Acq: 12 Aug 2021 22:45

Tgt Ion:105 Resp: 510417
 Ion Ratio Lower Upper
 105 100
 120 41.3 38.2 57.2
 91 9.5 35.4 53.2#
 77 10.9 16.2 24.2#





#75

1,3-Dichlorobenzene

Concen: 15.950 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. 0.14 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

Instrument :

MSVOA_L

ClientSampleId :

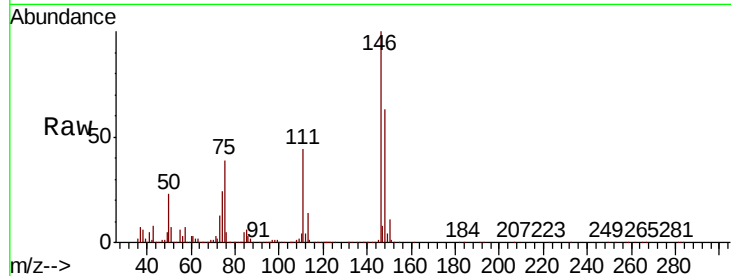
Tot Ion:146 Resp: 3702277

Ion Ratio Lower Upper

146 100

111 45.6 22.9 68.7

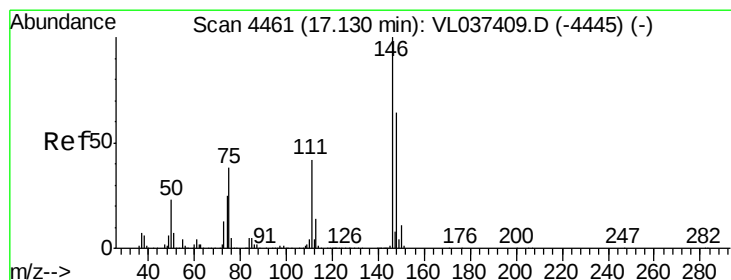
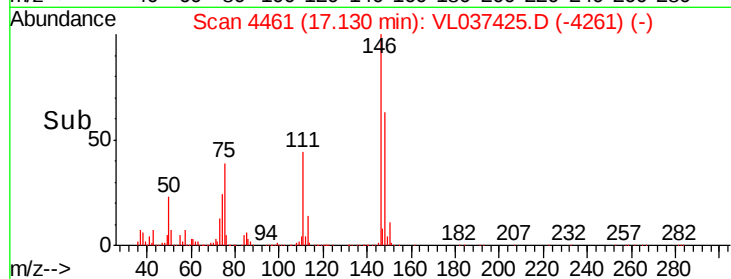
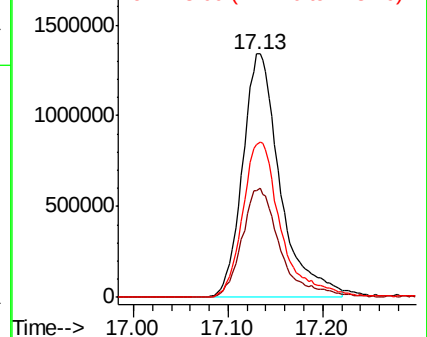
148 65.7 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 16.088 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. 0.00 min

Lab File: VL037425.D

Acq: 12 Aug 2021 22:45

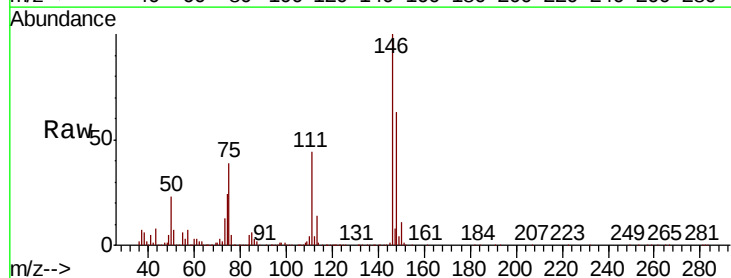
Tgt Ion:146 Resp: 3702277

Ion Ratio Lower Upper

146 100

111 45.7 22.8 68.4

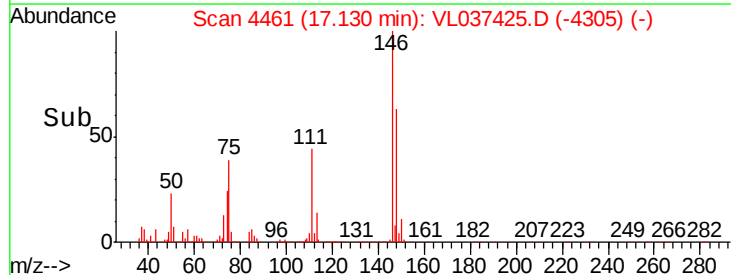
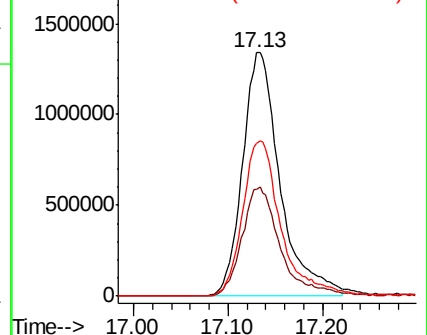
148 65.3 34.0 102.0

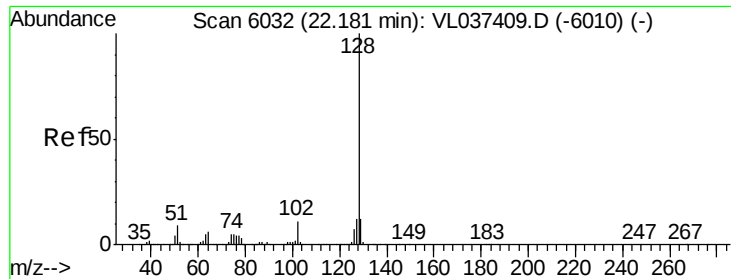


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

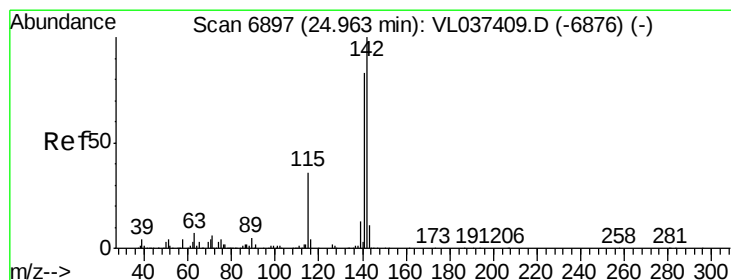
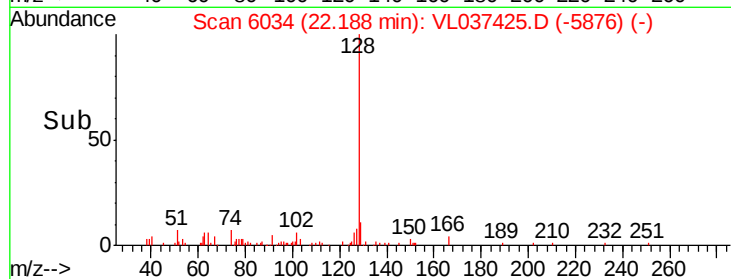
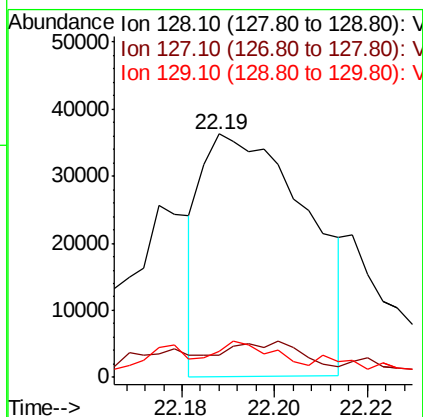
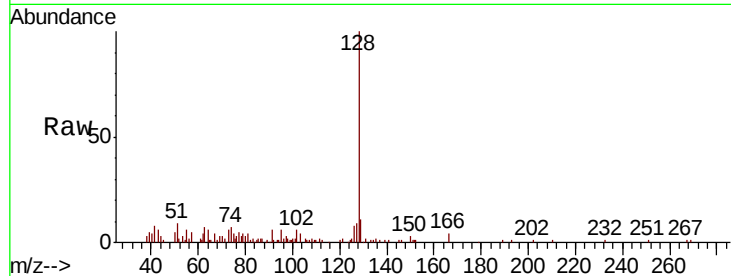




#79
Naphthalene
Concen: 0.276 ppbv
RT: 22.19 min Scan# 6034
Delta R.T. 0.01 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:128 Resp: 56929
Ion Ratio Lower Upper
128 100
127 11.8 9.9 14.9
129 9.3 9.4 14.0#



#80
Naphthalene, 2-methyl-
Concen: 0.074 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL037425.D
Acq: 12 Aug 2021 22:45

Tgt Ion:142 Resp: 3203
Ion Ratio Lower Upper
142 100
141 87.6 68.7 103.1
115 47.4 32.7 49.1

