

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036812.D
 Acq On : 13 Apr 2021 20:58
 Operator : SY/AP
 Sample : M2018-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 14 04:42:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1371790	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3384312	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2744307	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2033099	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	31238	0.140	ppbv 91
3) Chlorodifluoromethane	2.98	51	44936	0.175	ppbv 95
4) Chloromethane	3.13	50	23835	0.263	ppbv 96
9) Propene	3.02	41	359017	4.394	ppbv # 79
10) Heptane	8.12	43	1544833	7.422	ppbv 100
11) Trichlorofluoromethane	3.94	101	50473	0.221	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	4939	0.034	ppbv # 1
13) Ethanol	3.61	45	415890	42.743	ppbv 92
15) Acetone	3.84	43	11030606	81.698	ppbv 94
16) 1,3-Butadiene	3.30	39	45931	0.489	ppbv # 33
17) tert-Butyl alcohol	4.30	59	488242	4.154	ppbv 97
19) Isopropyl Alcohol	3.98	45	1113541	14.993	ppbv # 89
20) Methylene Chloride	4.34	84	1124418	17.787	ppbv 98
23) Vinyl Acetate	5.05	43	119181	0.516	ppbv # 1
25) Ethyl Acetate	5.69	43	760495	2.369	ppbv # 80
26) Hexane	5.68	57	1026657	6.892	ppbv # 48
27) Carbon Disulfide	4.55	76	418352	2.851	ppbv 95
29) Chloroform	5.75	83	8524	0.036	ppbv 88
30) Cyclohexane	7.13	84	99430	0.823	ppbv 88
32) 1,1,1-Trichloroethane	6.51	97	83033	0.346	ppbv 90
34) 2-Butanone	5.25	43	520948	3.153	ppbv 97
35) Carbon Tetrachloride	7.02	117	15385	0.059	ppbv # 72
36) Benzene	6.89	78	60351	0.193	ppbv 93
37) 1,2-Dichloroethane	6.31	62	5976	0.033	ppbv # 40
39) 1,2-Dichloropropane	7.49	63	16380	0.129	ppbv # 1
41) Tetrahydrofuran	6.06	42	13770	0.181	ppbv # 64
42) Bromodichloromethane	7.80	83	54233	0.217	ppbv # 25
44) 2,2,4-Trimethylpentane	7.87	57	240050	0.437	ppbv # 1
50) 4-Methyl-2-Pentanone	8.75	43	74337	0.311	ppbv # 46
51) 2-Hexanone	10.14	43	26294	0.218	ppbv # 37
52) Tetrachloroethene	11.23	164	8320	0.072	ppbv # 87
53) Toluene	9.81	91	1364630	4.106	ppbv 99
58) Ethyl Benzene	12.72	91	403621	1.011	ppbv 93
59) m/p-Xylene	12.97	91	914606	2.626	ppbv 93
60) o-Xylene	13.70	91	111443	0.331	ppbv # 6
61) Styrene	13.54	104	211505	1.249	ppbv # 16
62) Isopropylbenzene	14.67	105	9851200	21.725	ppbv 96
63) 1,1,2,2-Tetrachloroethane	13.68	83	11767	0.046	ppbv # 24
64) n-propylbenzene	15.56	120	11240	0.101	ppbv # 1
69) p-Isopropyltoluene	17.66	119	34329	0.079	ppbv # 75
71) 2-Chlorotoluene	15.78	91	16962	0.050	ppbv 72

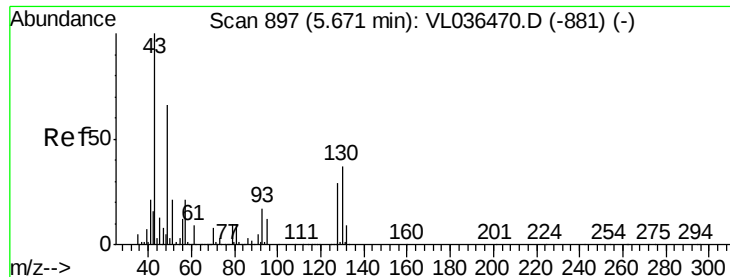
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
Data File : VL036812.D
Acq On : 13 Apr 2021 20:58
Operator : SY/AP
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Misc : 400mL/MSVOA L
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Instrument :
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Quant Time: Apr 14 04:42:17 2021
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.84	105	127798	0.346	ppbv	96
73) 1,3,5-Trimethylbenzene	16.00	105	34175	0.099	ppbv #	81
74) 1,2,4-Trimethylbenzene	16.76	105	238312	0.647	ppbv #	59
80) Naphthalene,2-methyl-	24.98	142	2482	0.059	ppbv #	55

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 20:58

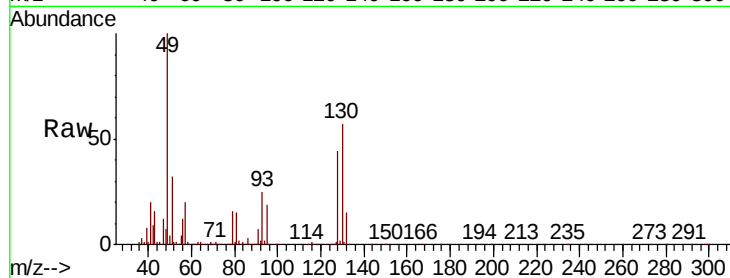
Tot Ion: 49 Resp: 1371790

Ion Ratio Lower Upper

49 100

128 46.2 23.5 70.6

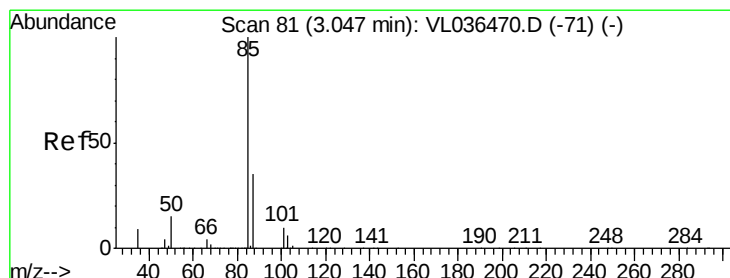
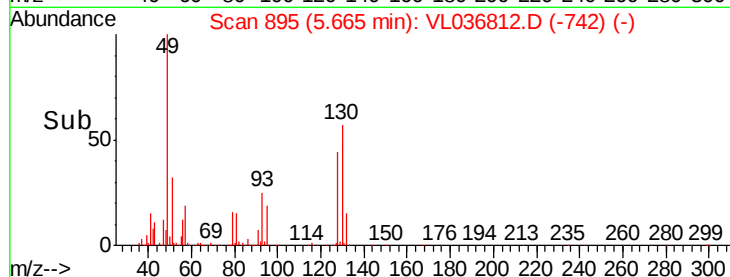
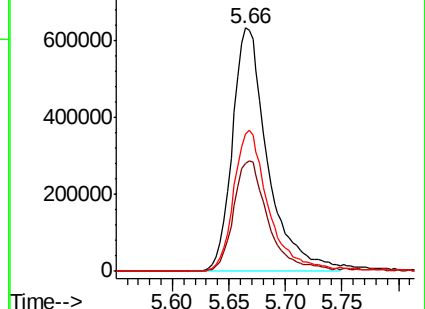
130 59.0 29.1 87.4



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: 0.140 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036812.D

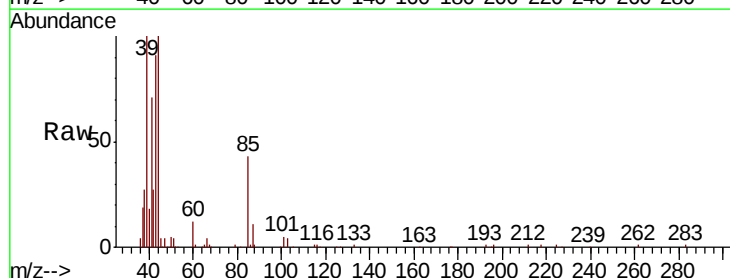
Acq: 13 Apr 2021 20:58

Tgt Ion: 85 Resp: 31238

Ion Ratio Lower Upper

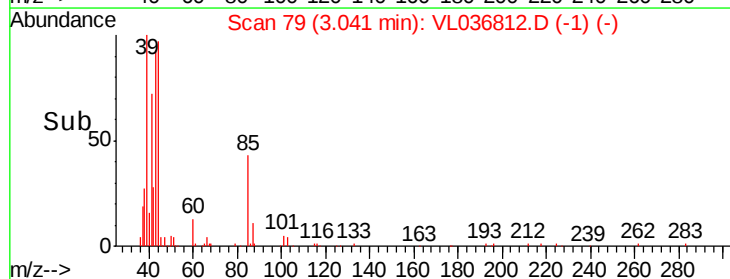
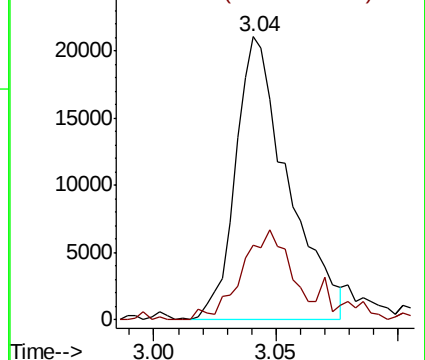
85 100

87 29.4 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.175 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

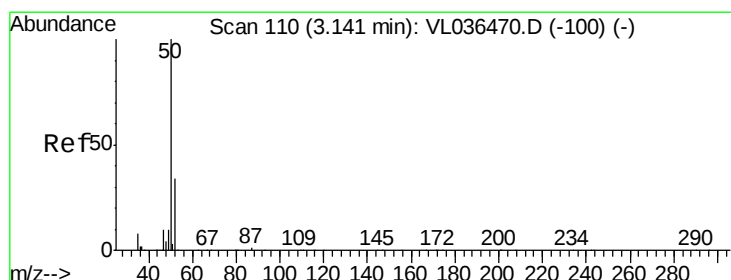
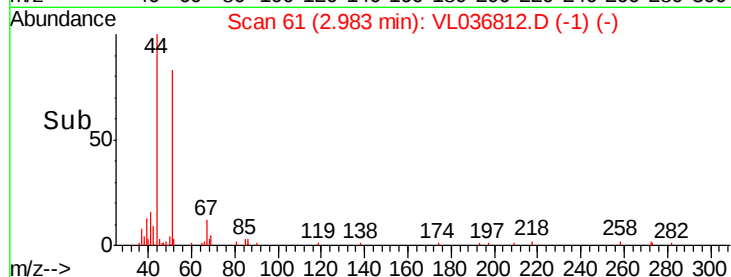
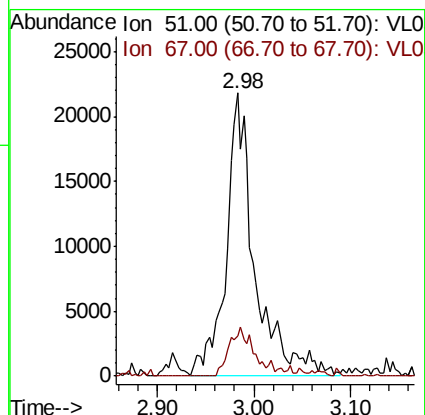
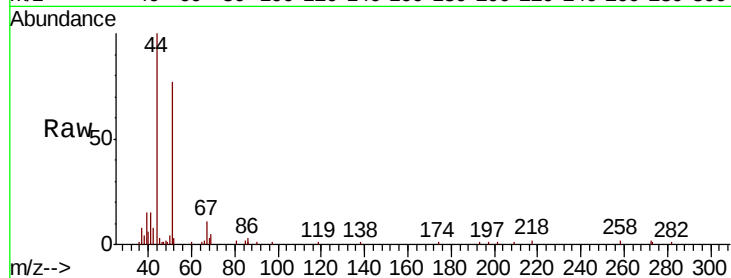
Acq: 13 Apr 2021 20:58

Tot Ion: 51 Resp: 44936

Ion Ratio Lower Upper

51 100

67 16.1 14.7 22.1



#4

Chloromethane

Concen: 0.263 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036812.D

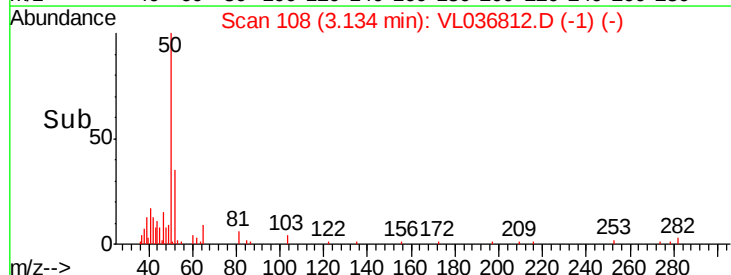
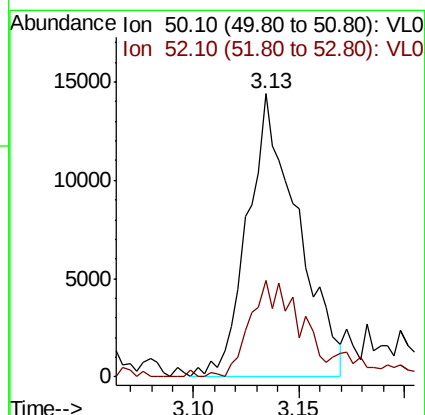
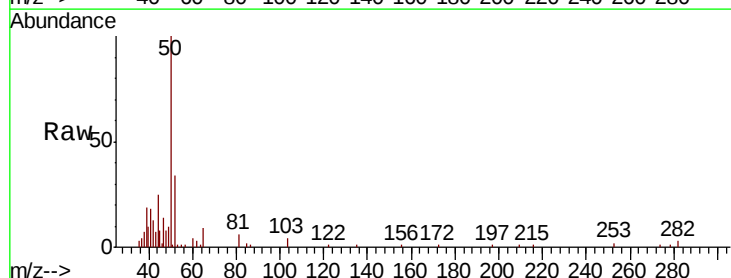
Acq: 13 Apr 2021 20:58

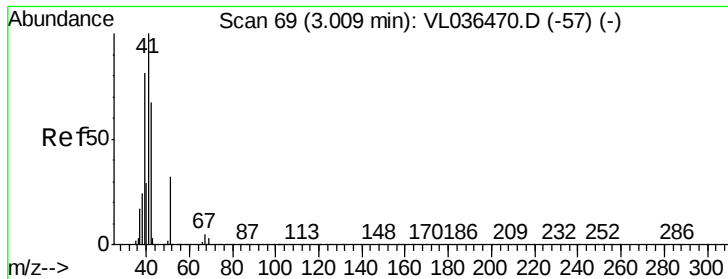
Tgt Ion: 50 Resp: 23835

Ion Ratio Lower Upper

50 100

52 31.6 27.0 40.6





#9

Propene

Concen: 4.394 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

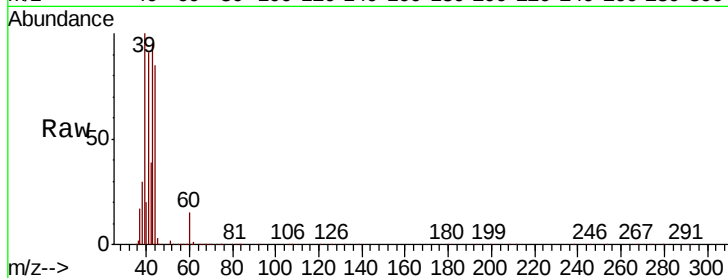
Acq: 13 Apr 2021 20:58

Tot Ion: 41 Resp: 359017

Ion Ratio Lower Upper

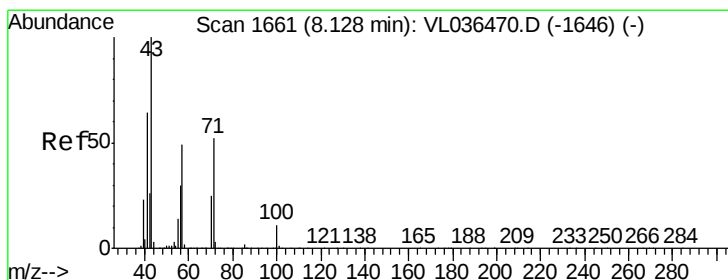
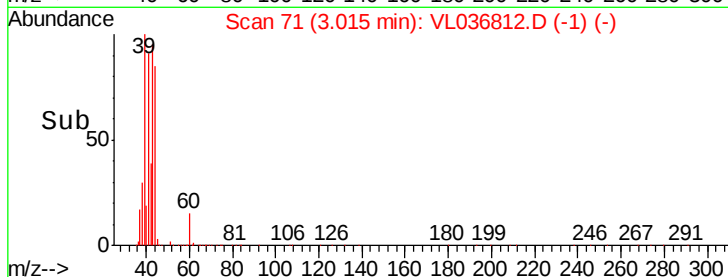
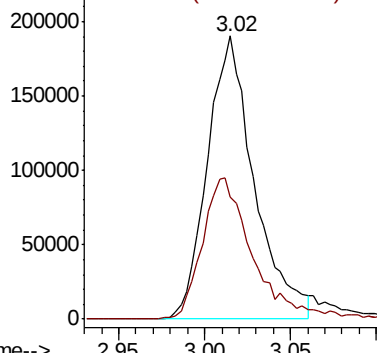
41 100

42 54.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 7.422 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL036812.D

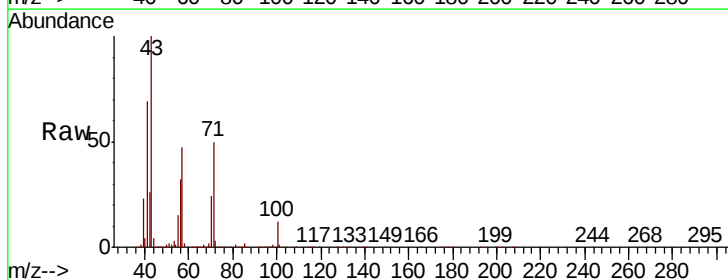
Acq: 13 Apr 2021 20:58

Tgt Ion: 43 Resp: 1544833

Ion Ratio Lower Upper

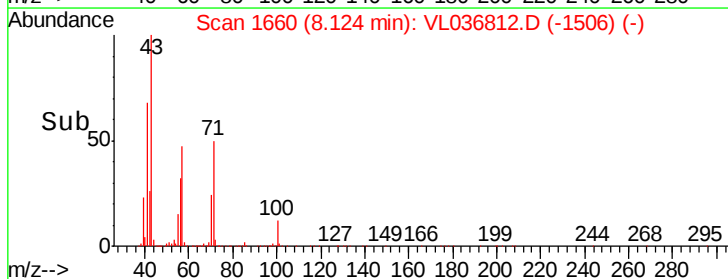
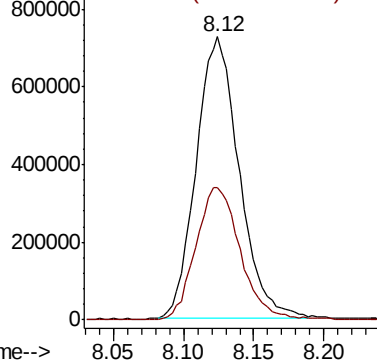
43 100

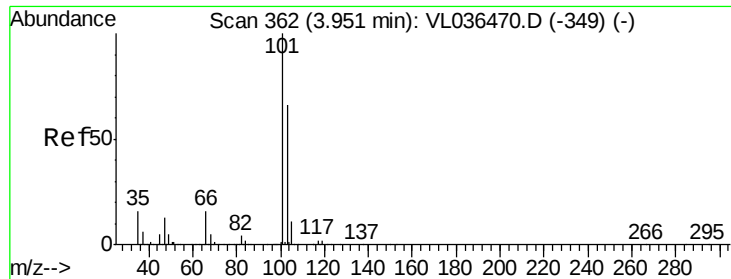
57 48.7 39.0 58.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

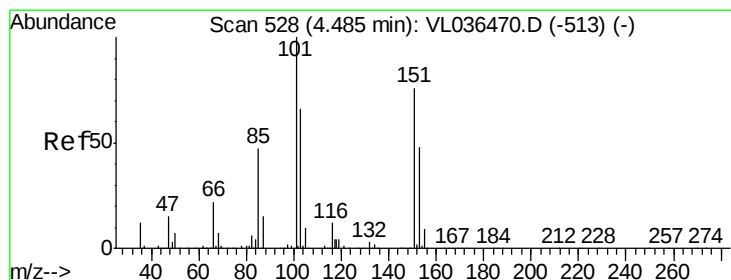
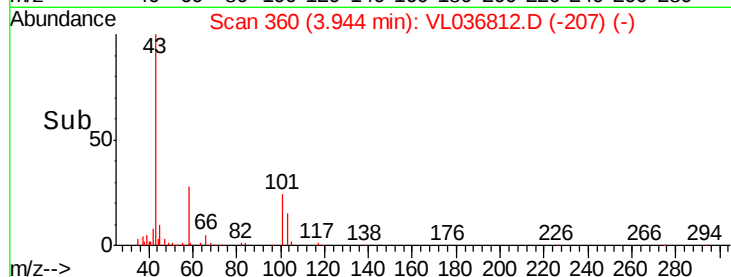
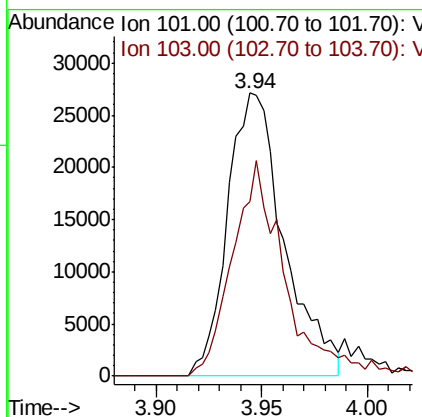
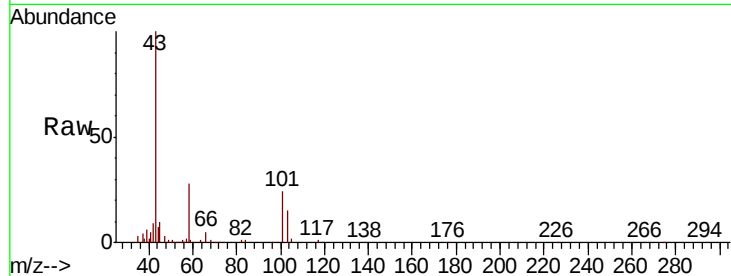
Ion 57.10 (56.80 to 57.80): VL0





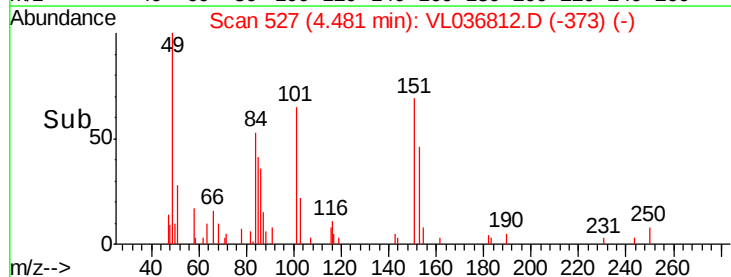
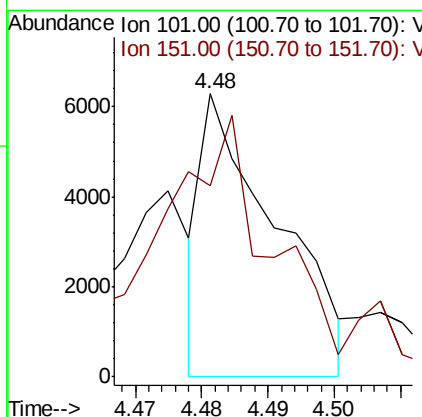
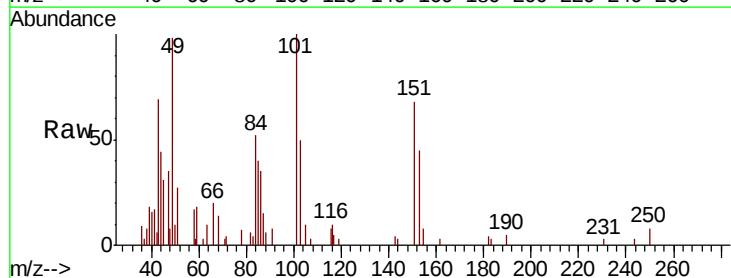
#11
 Trichlorofluoromethane
 Concen: 0.221 ppbv
 RT: 3.94 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 20:58

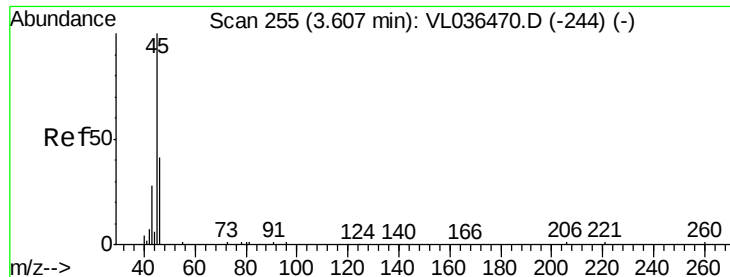
Tot Ion:101 Resp: 50473
 Ion Ratio Lower Upper
 101 100
 103 61.5 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.034 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL036812.D
 Acq: 13 Apr 2021 20:58

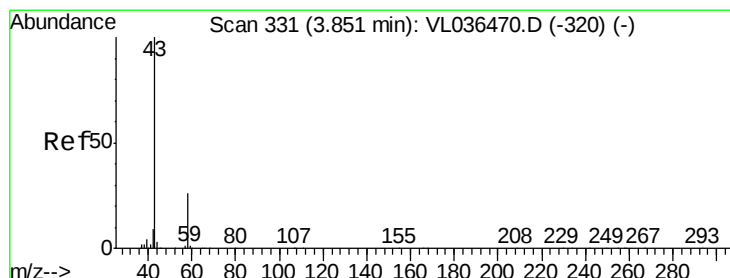
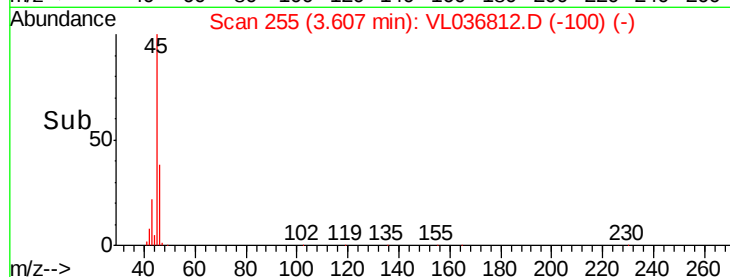
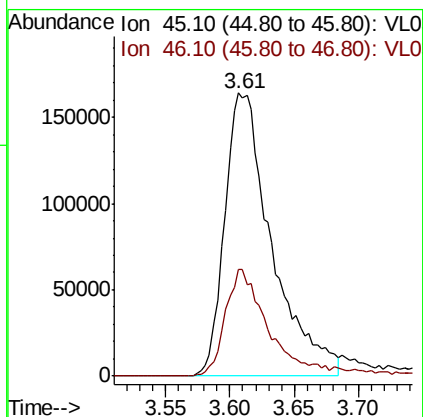
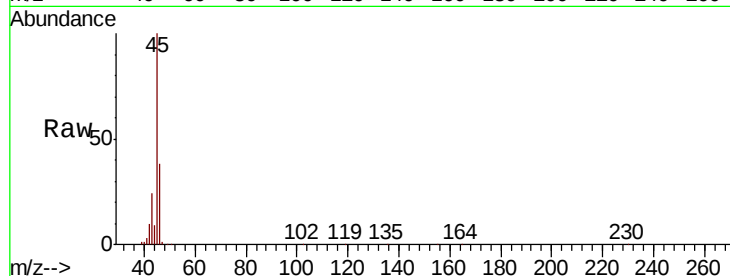
Tgt Ion:101 Resp: 4939
 Ion Ratio Lower Upper
 101 100
 151 166.1 60.9 91.3#





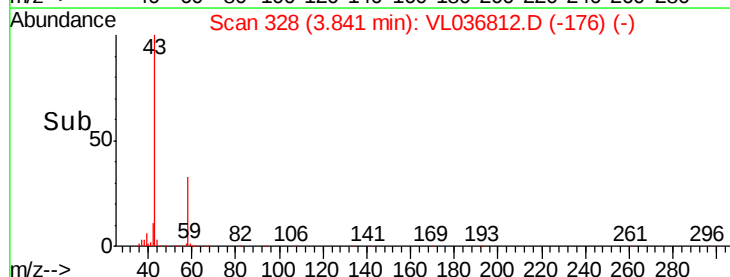
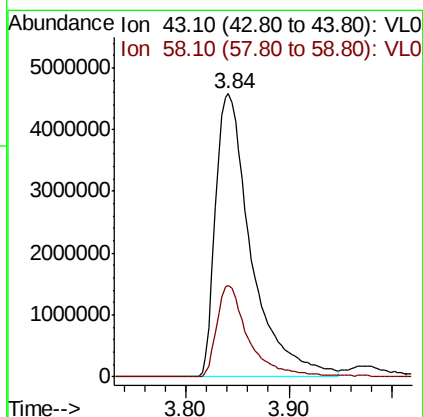
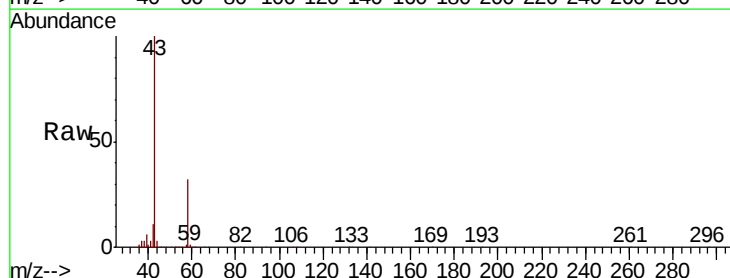
#13
 Ethanol
 Concen: 42.743 ppbv
 RT: 3.61
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 20:58

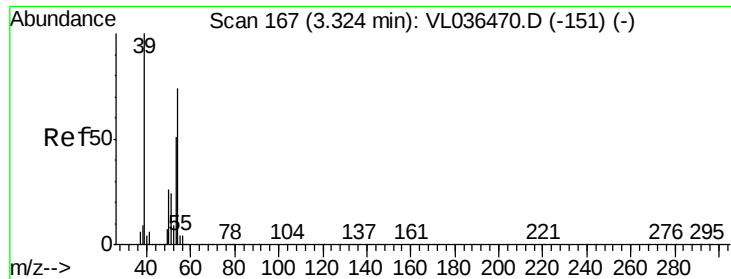
Tot Ion	45	Resp	415890
Ion Ratio	100	Lower	Upper
46	36.6	16.6	66.2



#15
 Acetone
 Concen: 81.698 ppbv
 RT: 3.84 min Scan# 328
 Delta R.T.: -0.01 min
 Lab File: VL036812.D
 Acq: 13 Apr 2021 20:58

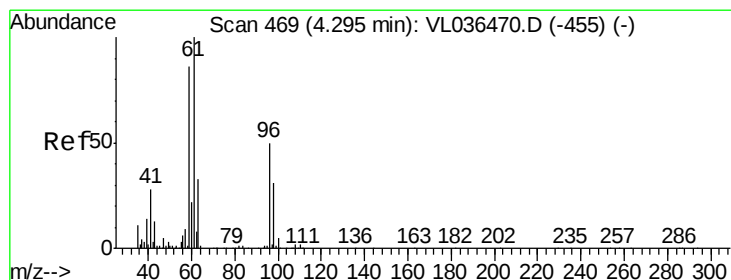
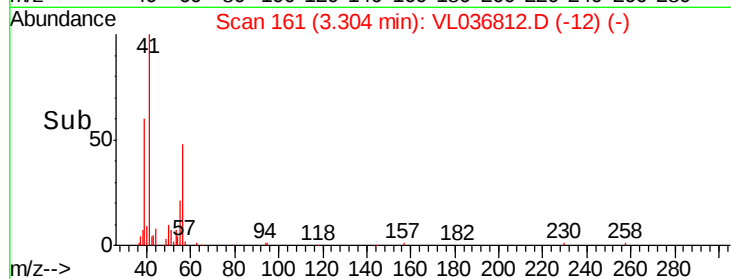
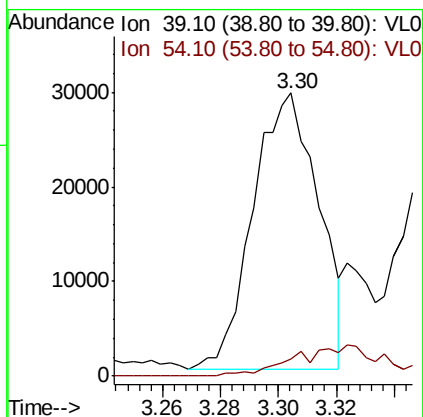
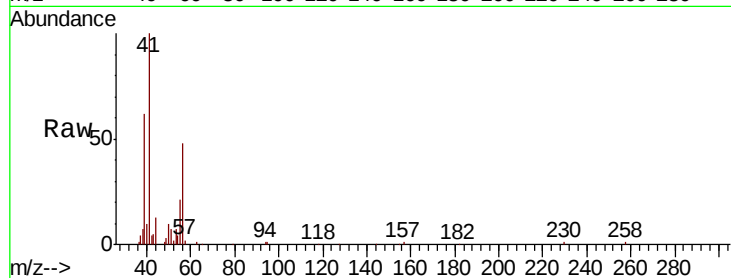
Tgt Ion	43	Resp	11030606
Ion Ratio	100	Lower	Upper
58	29.4	21.2	31.8





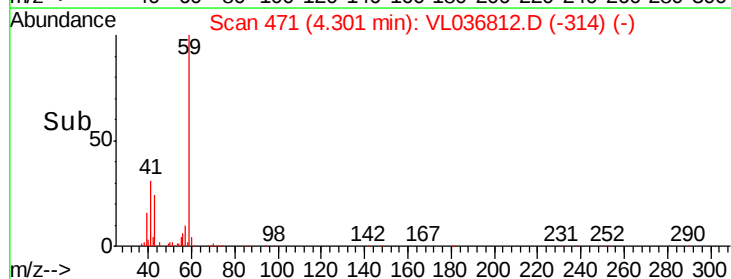
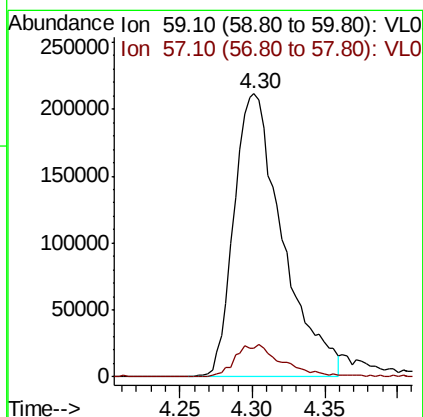
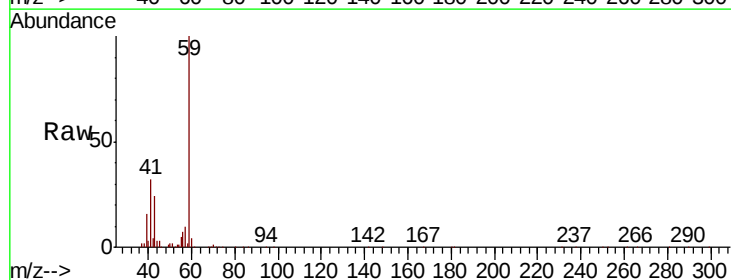
#16
 1,3-Butadiene
 Concen: 0.489 ppbv
 RT: 3.30
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 20:58

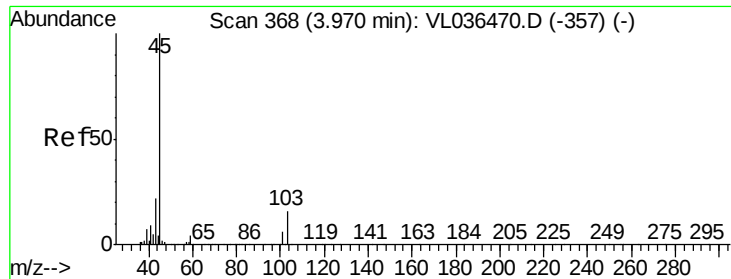
Tot Ion: 39 Resp: 45931
 Ion Ratio Lower Upper
 39 100
 54 17.0 58.8 88.2#



#17
 tert-Butyl alcohol
 Concen: 4.154 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VL036812.D
 Acq: 13 Apr 2021 20:58

Tgt Ion: 59 Resp: 488242
 Ion Ratio Lower Upper
 59 100
 57 11.9 8.6 12.8





#19

Isopropyl Alcohol

Concen: 14.993 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

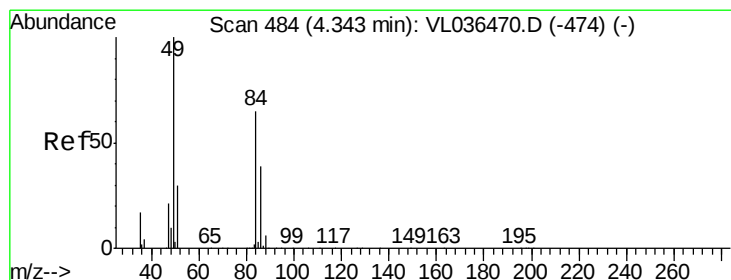
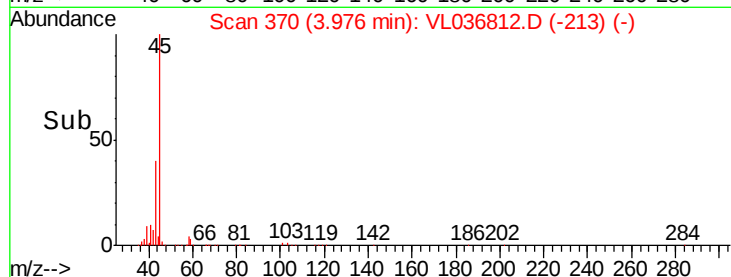
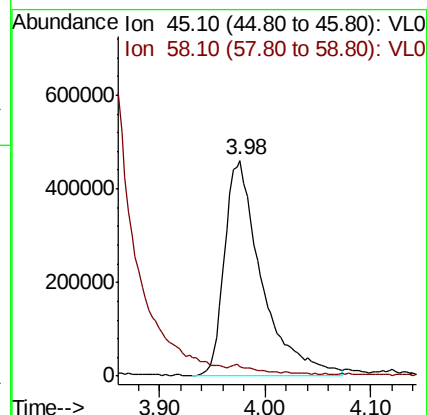
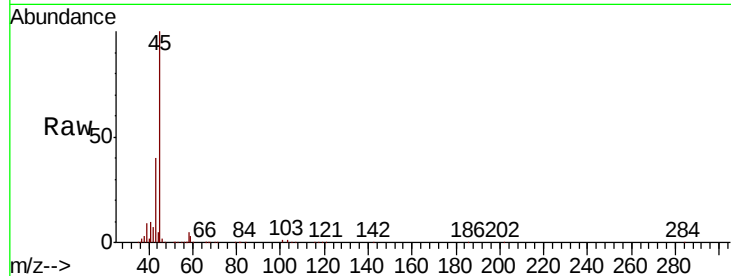
Acq: 13 Apr 2021 20:58

Tot Ion: 45 Resp: 1113541

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#



#20

Methylene Chloride

Concen: 17.787 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036812.D

Acq: 13 Apr 2021 20:58

Tgt Ion: 84 Resp: 1124418

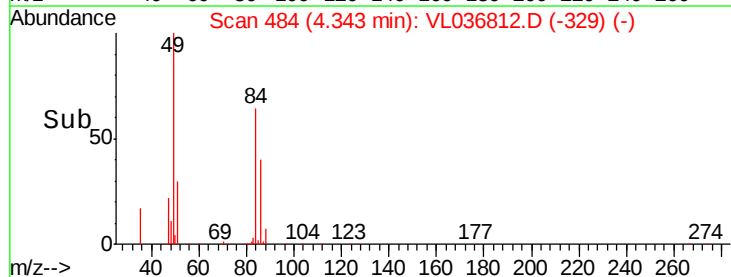
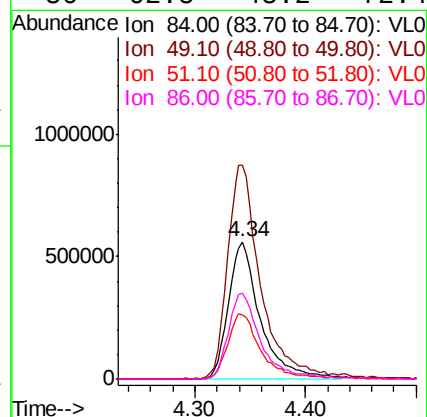
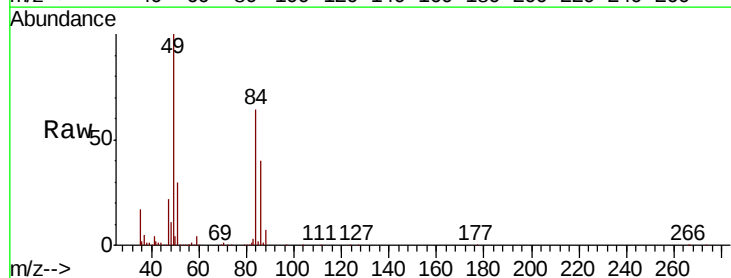
Ion Ratio Lower Upper

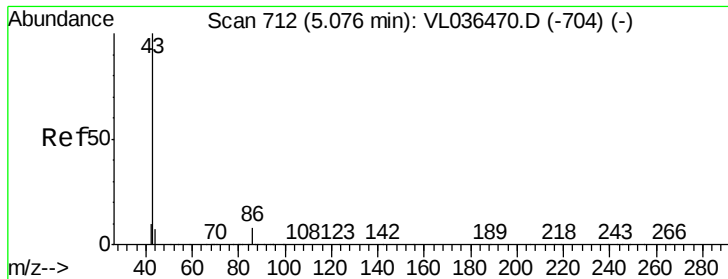
84 100

49 155.2 122.9 184.3

51 46.3 36.9 55.3

86 62.5 48.2 72.4





#23

Vinyl Acetate

Concen: 0.516 ppbv

RT: 5.05 Instrument:

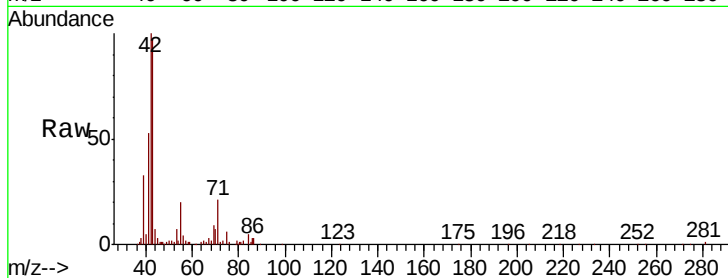
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 20:58

Tot Ion: 43 Resp: 119181

Ion	Ratio	Lower	Upper
43	100		
86	5.7	5.4	8.0
42	104.1	8.5	12.7#
44	2.2	4.6	7.0#

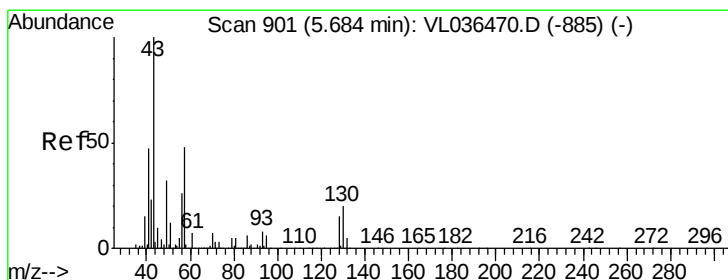
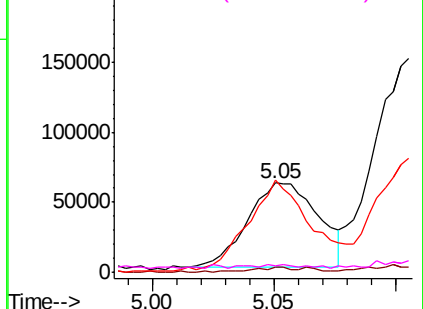
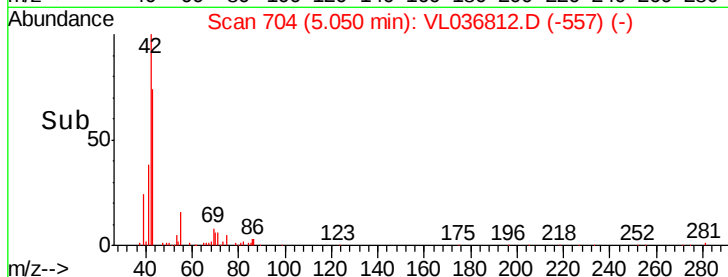


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.369 ppbv

RT: 5.69 min Scan# 902

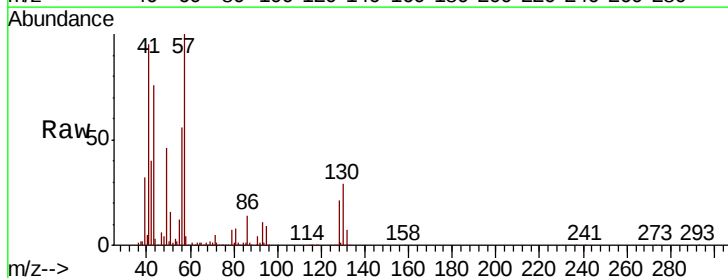
Delta R.T. 0.00 min

Lab File: VL036812.D

Acq: 13 Apr 2021 20:58

Tgt Ion: 43 Resp: 760495

Ion	Ratio	Lower	Upper
43	100		
45	1.8	7.9	11.9#
61	0.8	7.4	11.2#
70	1.8	5.1	7.7#

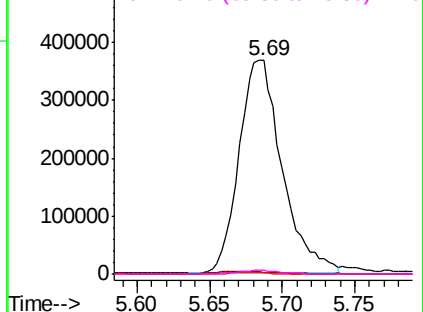
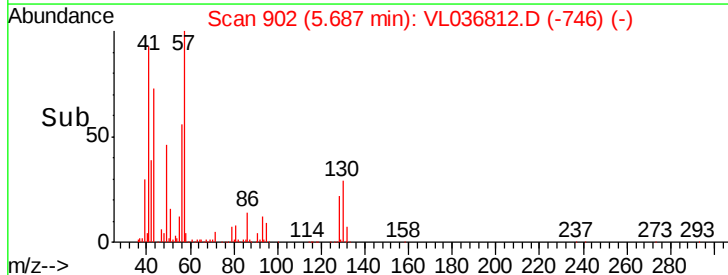


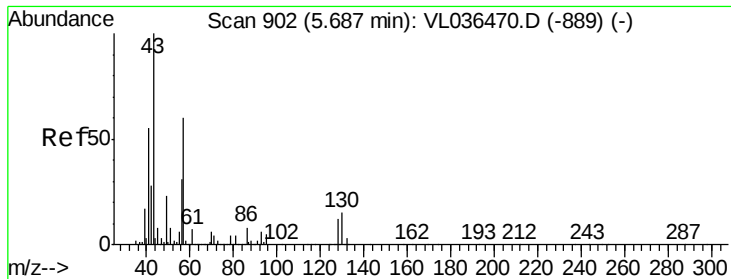
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

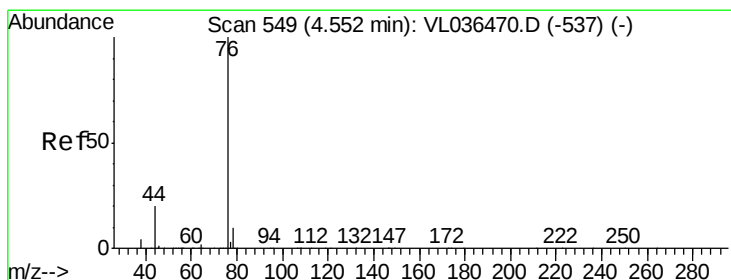
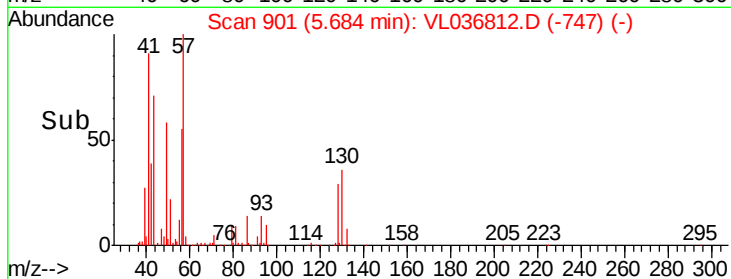
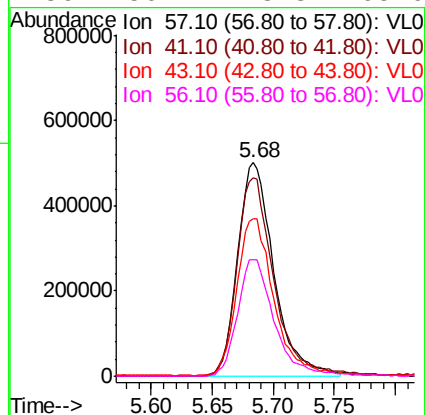
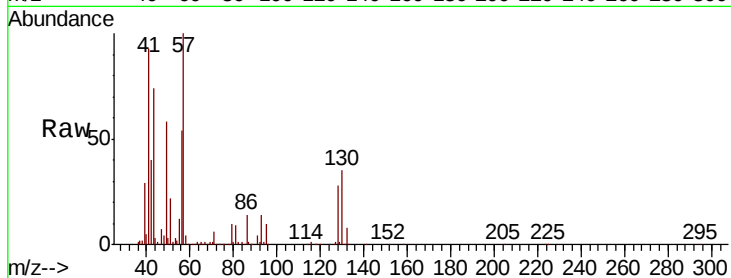
Ion 70.10 (69.80 to 70.80): VL0





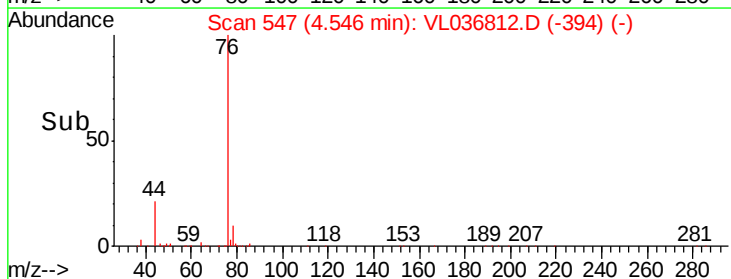
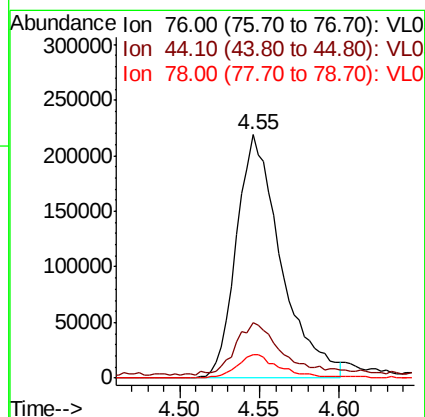
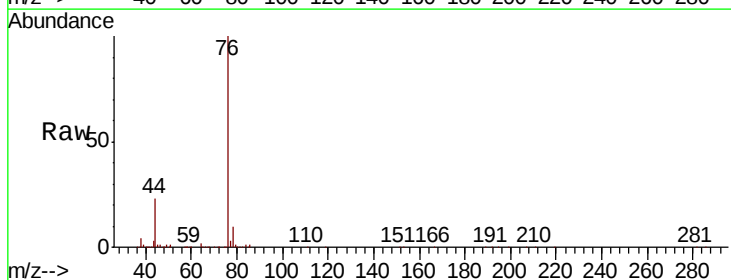
#26
Hexane
Concen: 6.892 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 20:58

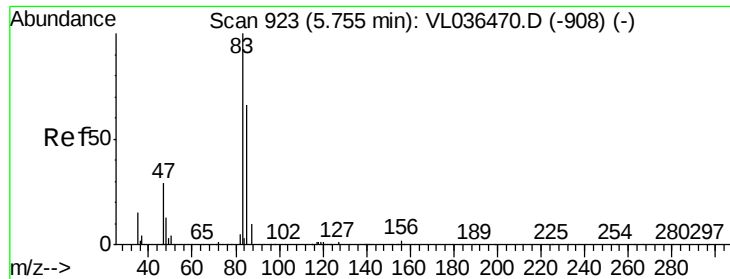
Tot Ion:	57	Resp:	1026657
Ion	Ratio	Lower	Upper
57	100		
41	95.9	77.2	115.8
43	76.6	173.8	260.6#
56	56.1	43.8	65.6



#27
Carbon Disulfide
Concen: 2.851 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL036812.D
Acq: 13 Apr 2021 20:58

Tgt Ion:	76	Resp:	418352
Ion	Ratio	Lower	Upper
76	100		
44	25.0	17.5	26.3
78	10.1	8.6	13.0





#29

Chloroform

Concen: 0.036 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

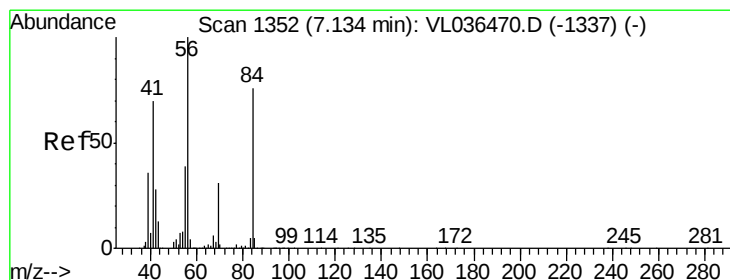
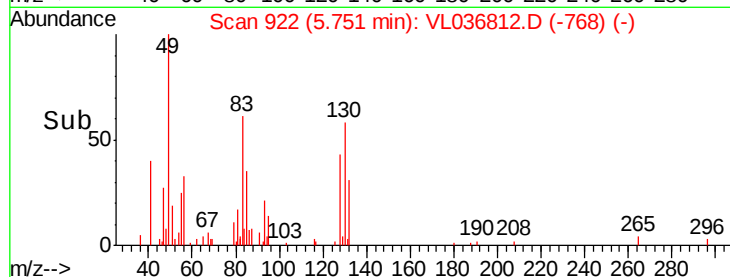
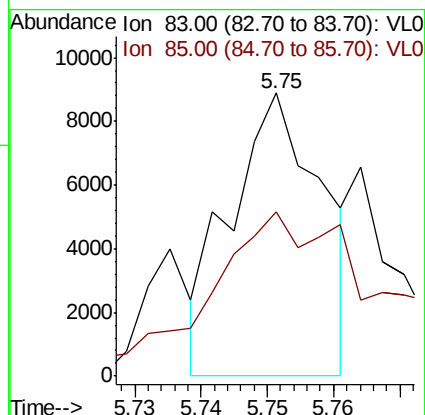
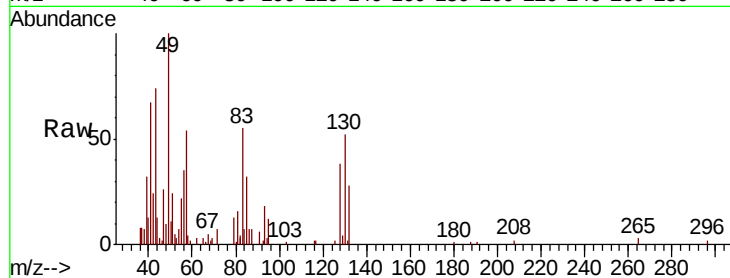
Acq: 13 Apr 2021 20:58

Tot Ion: 83 Resp: 8524

Ion Ratio Lower Upper

83 100

85 56.0 52.6 78.8



#30

Cyclohexane

Concen: 0.823 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL036812.D

Acq: 13 Apr 2021 20:58

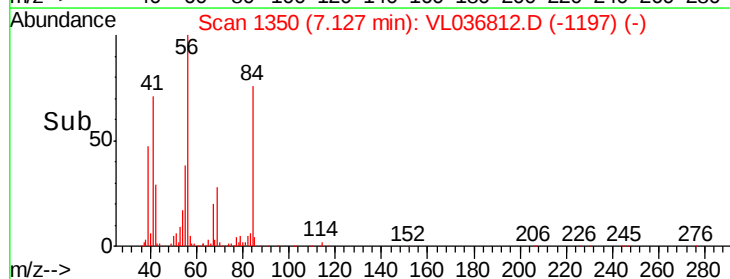
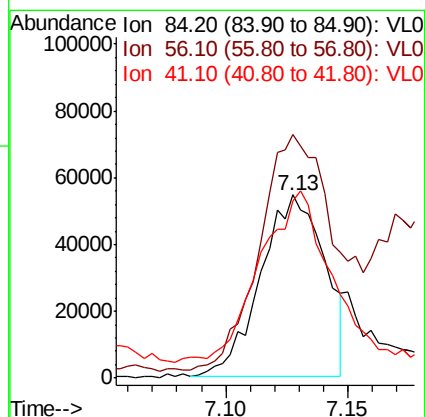
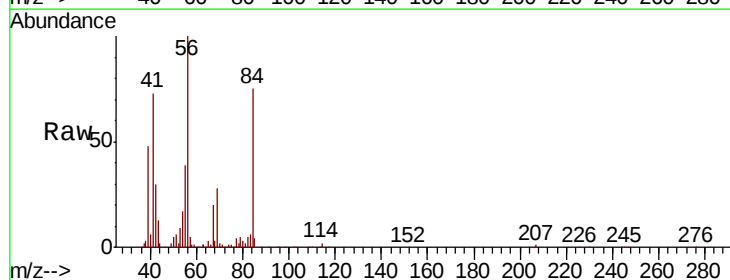
Tgt Ion: 84 Resp: 99430

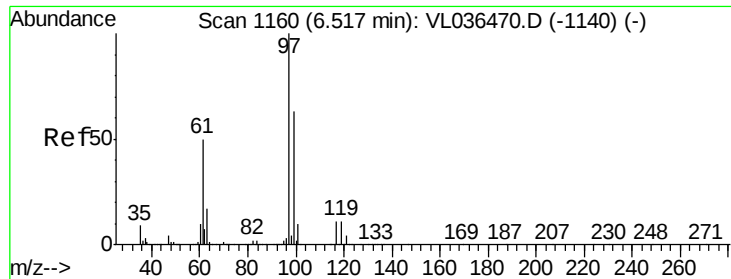
Ion Ratio Lower Upper

84 100

56 152.5 114.6 171.8

41 112.5 75.3 112.9





#32

1,1,1-Trichloroethane

Concen: 0.346 ppbv

RT: 6.51 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 20:58

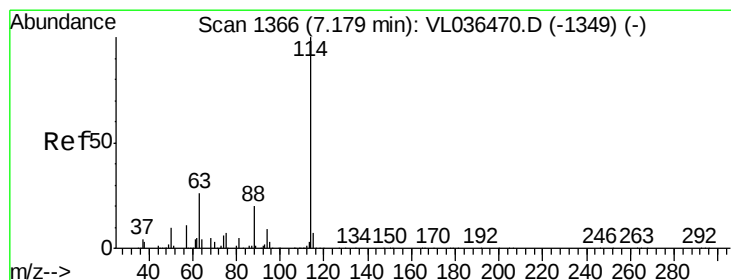
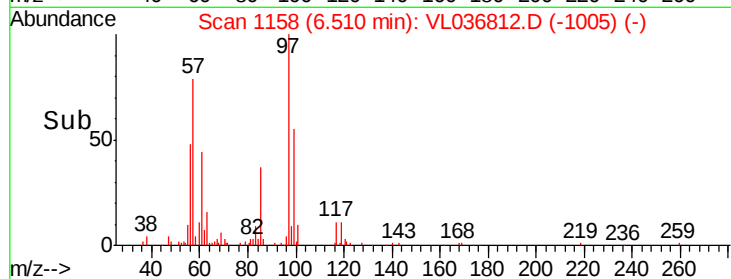
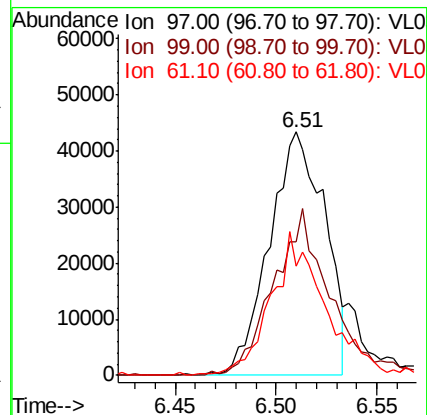
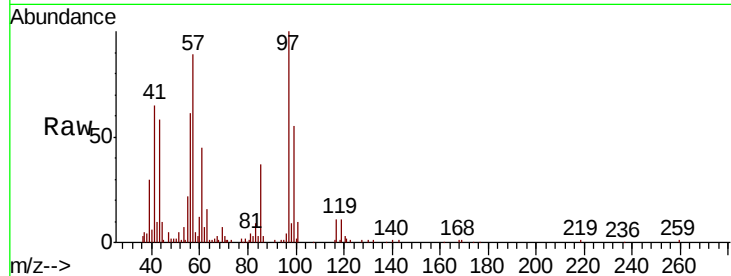
Tot Ion: 97 Resp: 83033

Ion Ratio Lower Upper

97 100

99 70.9 51.4 77.0

61 58.4 40.6 60.8



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL036812.D

Acq: 13 Apr 2021 20:58

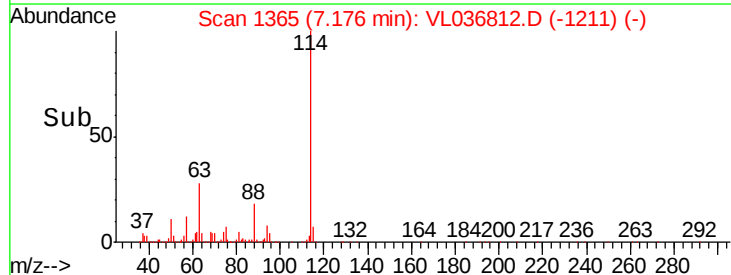
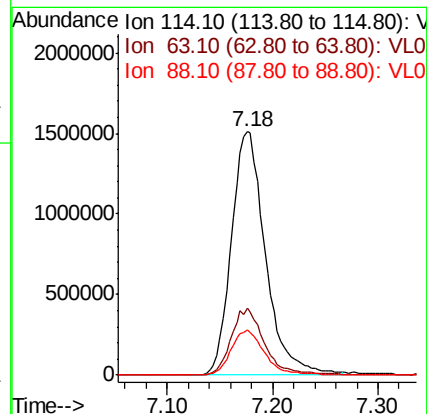
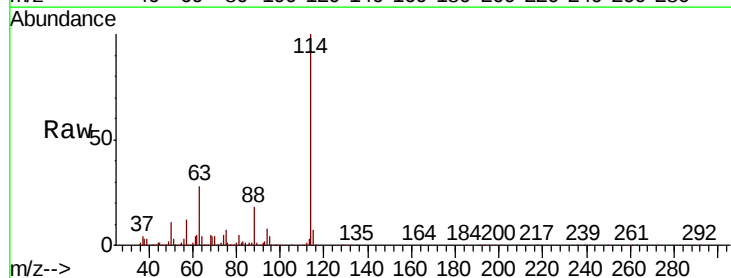
Tgt Ion: 114 Resp: 3384312

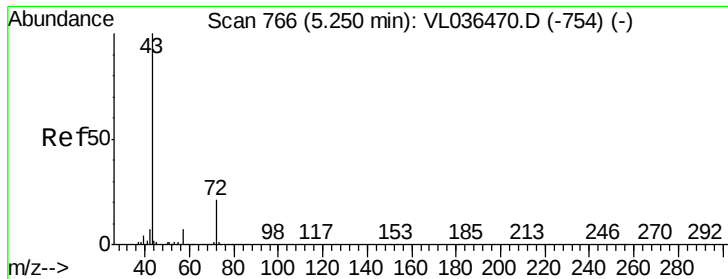
Ion Ratio Lower Upper

114 100

63 27.1 22.4 33.6

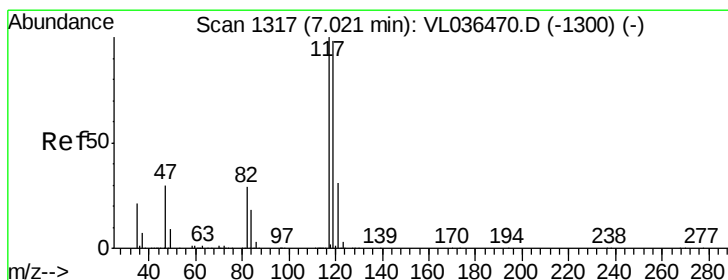
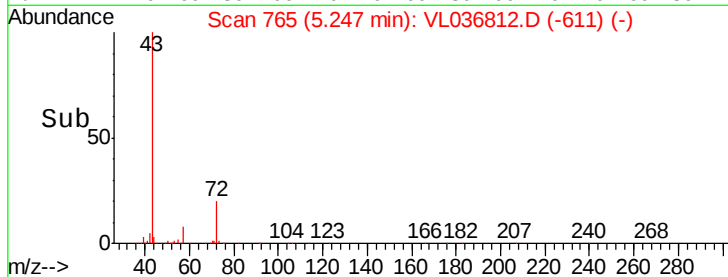
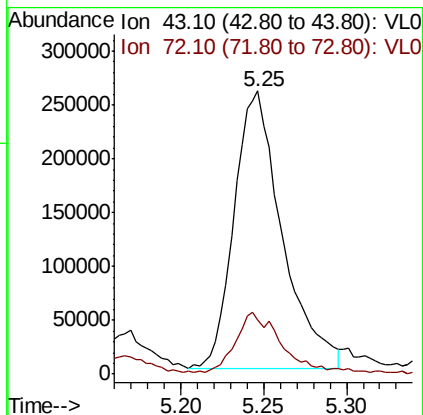
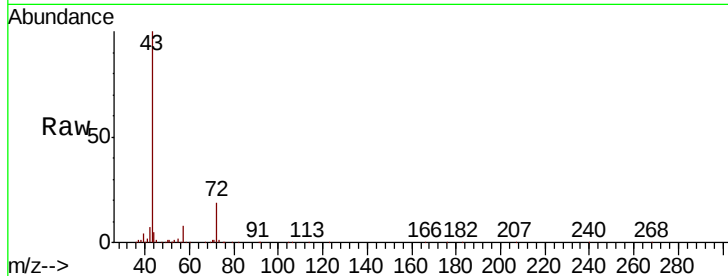
88 18.5 15.4 23.0





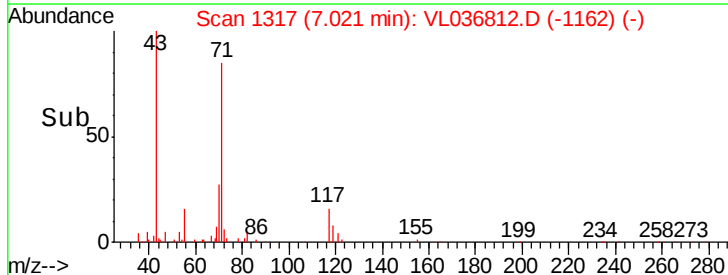
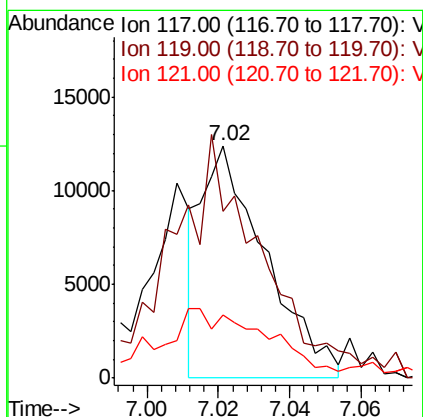
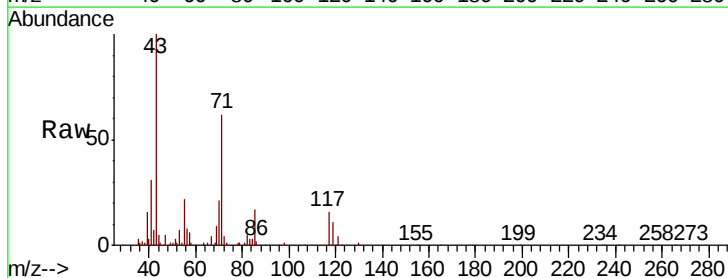
#34
 2-Butanone
 Concen: 3.153 ppbv
 RT: 5.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 20:58

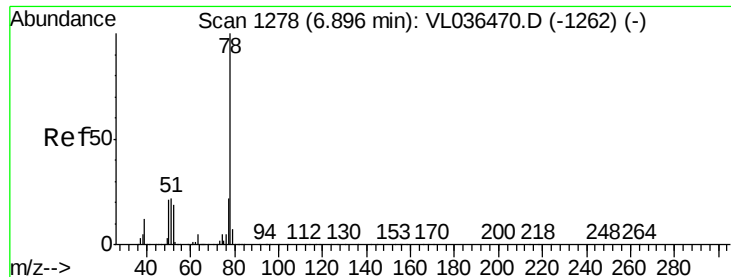
Tot Ion: 43 Resp: 520948
 Ion Ratio Lower Upper
 43 100
 72 22.6 17.0 25.6



#35
 Carbon Tetrachloride
 Concen: 0.059 ppbv
 RT: 7.02 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VL036812.D
 Acq: 13 Apr 2021 20:58

Tgt Ion: 117 Resp: 15385
 Ion Ratio Lower Upper
 117 100
 119 63.8 78.2 117.2#
 121 25.6 24.5 36.7





#36

Benzene

Concen: 0.193 ppbv

RT: 6.89 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 20:58

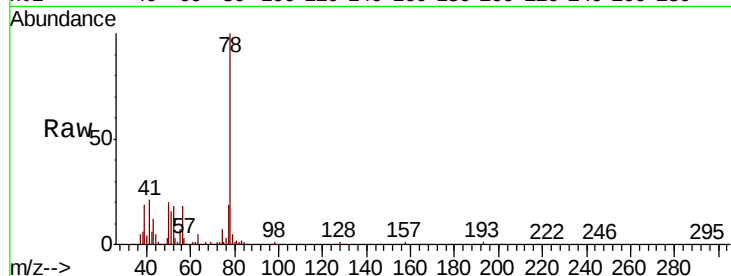
Tot Ion: 78 Resp: 60351

Ion Ratio Lower Upper

78 100

77 18.3 18.0 27.0

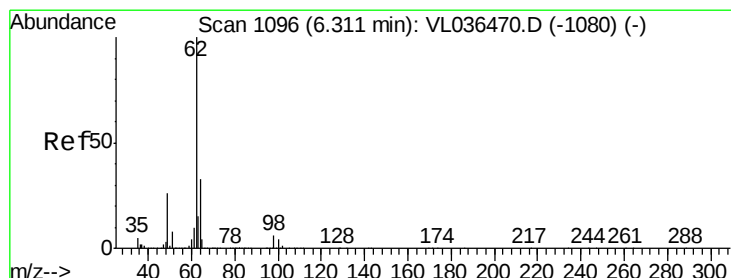
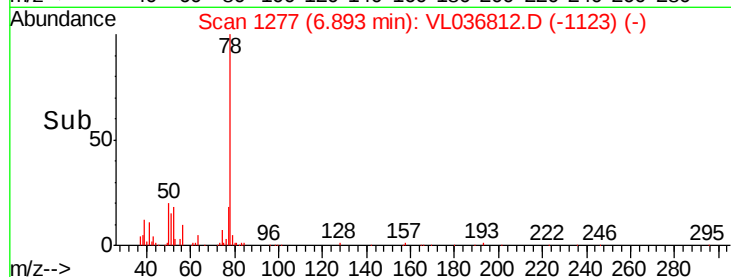
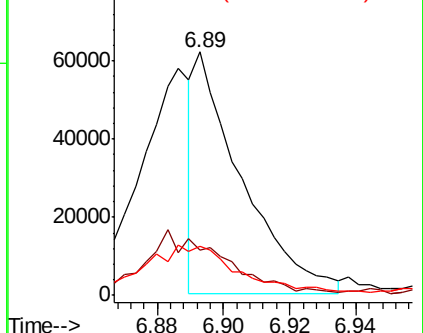
50 18.5 16.5 24.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.033 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VL036812.D

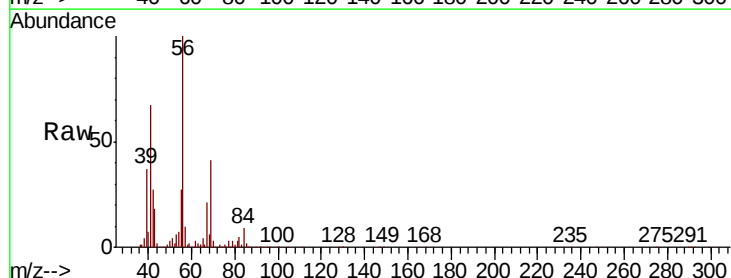
Acq: 13 Apr 2021 20:58

Tgt Ion: 62 Resp: 5976

Ion Ratio Lower Upper

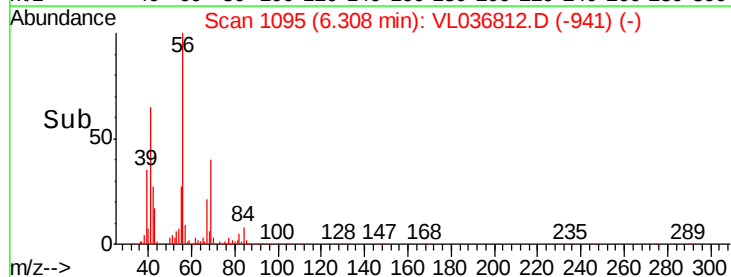
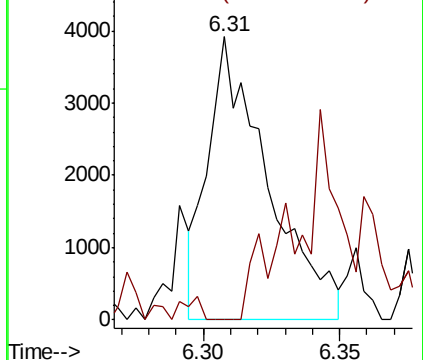
62 100

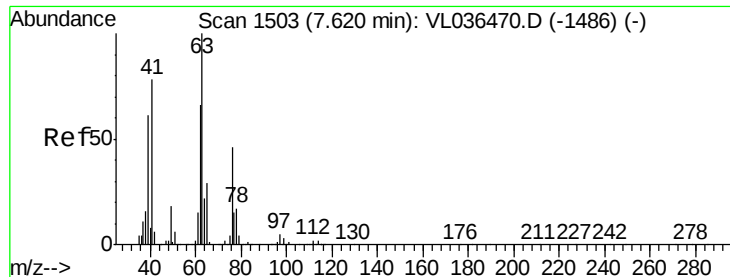
98 26.5 4.9 7.3#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#39

1,2-Dichloropropane

Concen: 0.129 ppbv

RT: 7.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 20:58

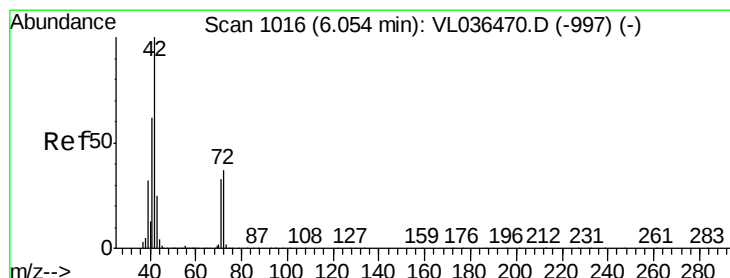
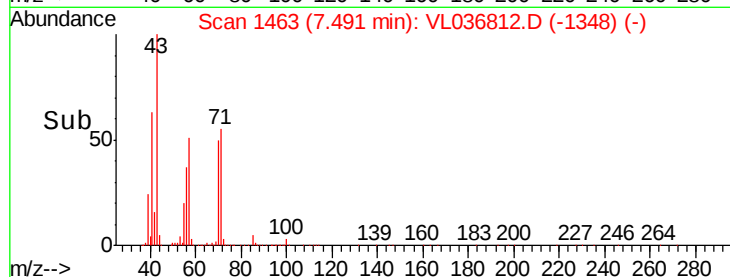
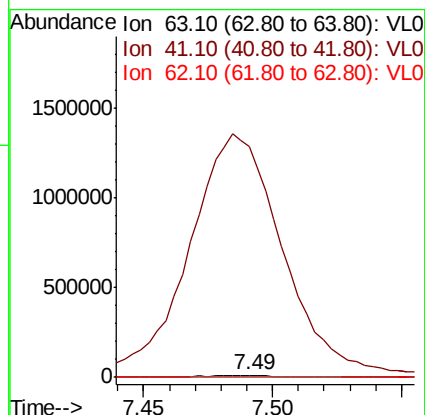
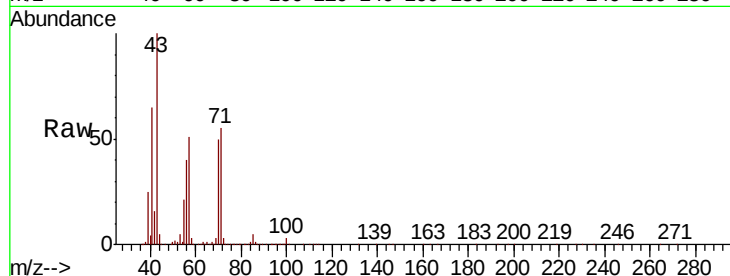
Tot Ion: 63 Resp: 16380

Ion Ratio Lower Upper

63 100

41 12120.4 62.4 93.6#

62 25.2 52.8 79.2#



#41

Tetrahydrofuran

Concen: 0.181 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VL036812.D

Acq: 13 Apr 2021 20:58

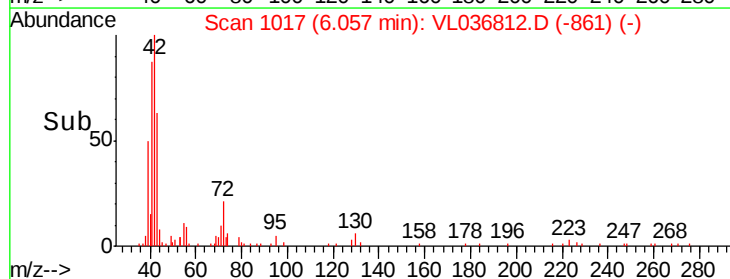
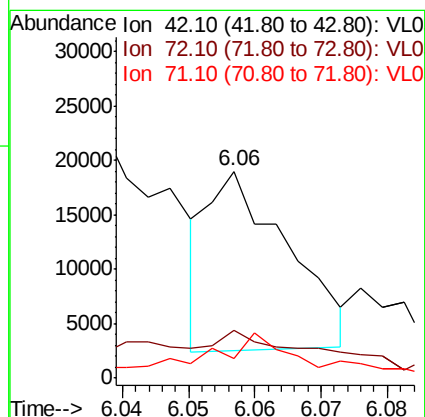
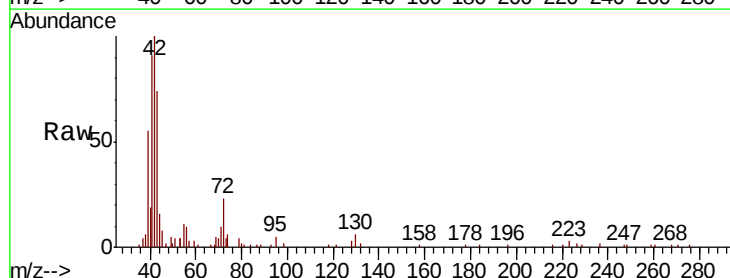
Tgt Ion: 42 Resp: 13770

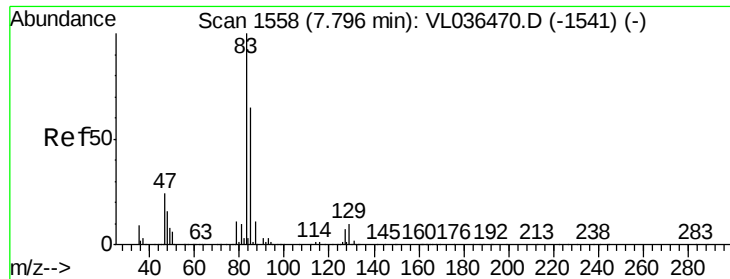
Ion Ratio Lower Upper

42 100

72 68.2 27.6 41.4#

71 41.3 27.0 40.4#





#42

Bromodichloromethane

Concen: 0.217 ppbv

RT: 7.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 20:58

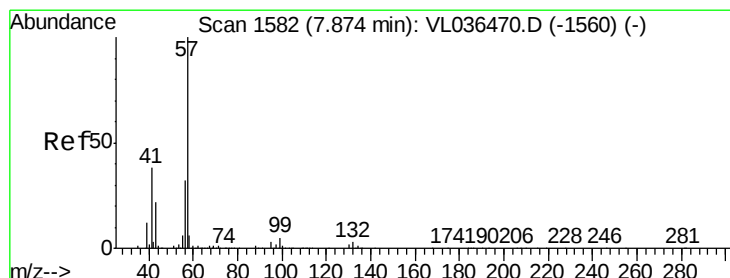
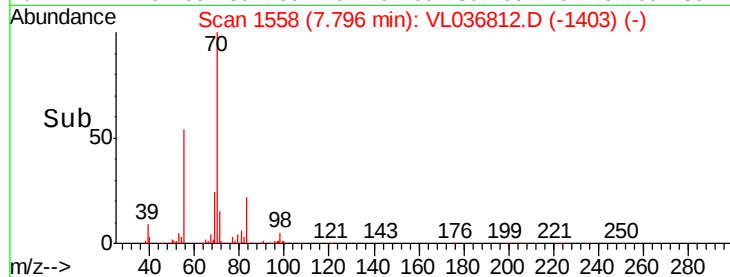
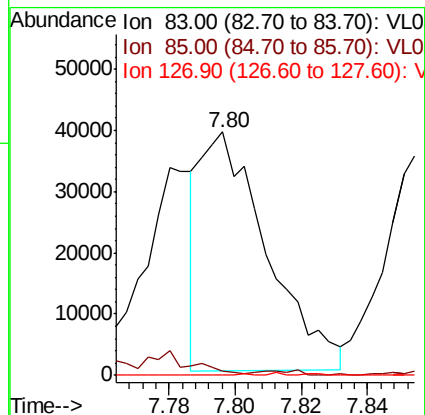
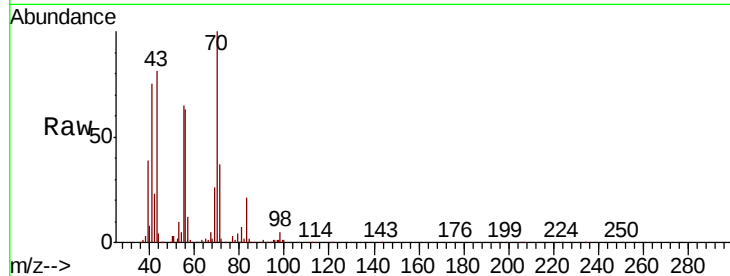
Tot Ion: 83 Resp: 54233

Ion Ratio Lower Upper

83 100

85 1.3 51.8 77.6#

127 0.0 5.8 8.8#



#44

2,2,4-Trimethylpentane

Concen: 0.437 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.01 min

Lab File: VL036812.D

Acq: 13 Apr 2021 20:58

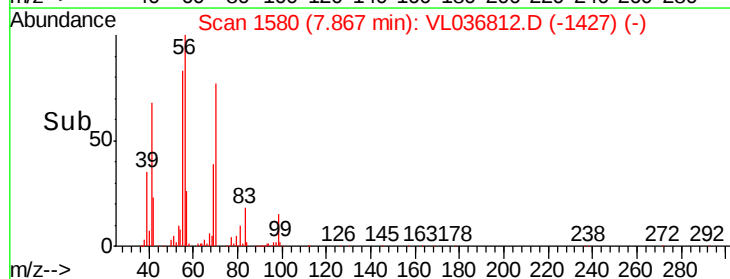
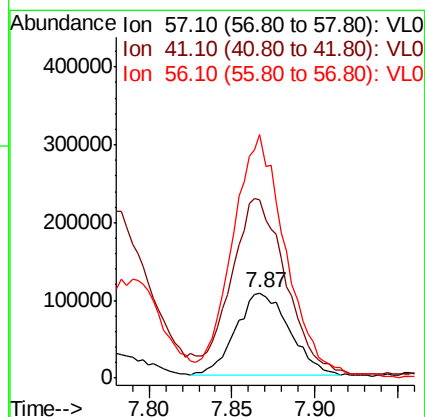
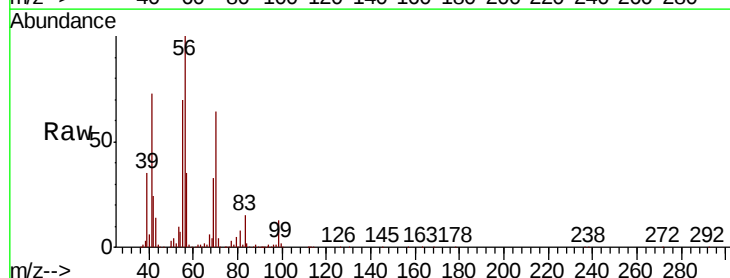
Tgt Ion: 57 Resp: 240050

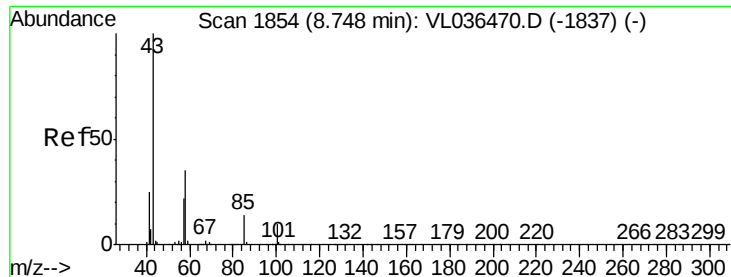
Ion Ratio Lower Upper

57 100

41 217.3 28.8 43.2#

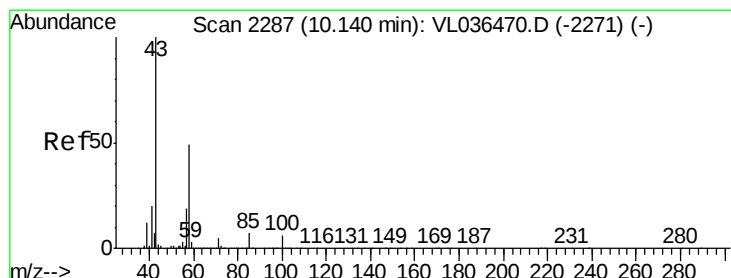
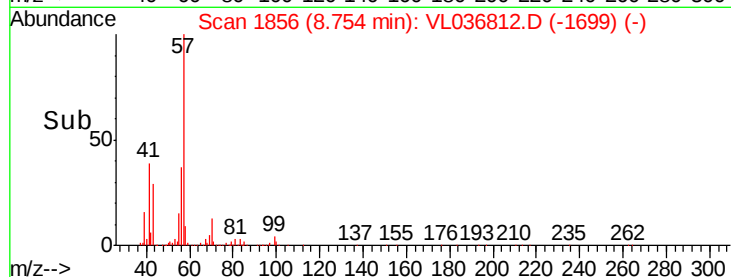
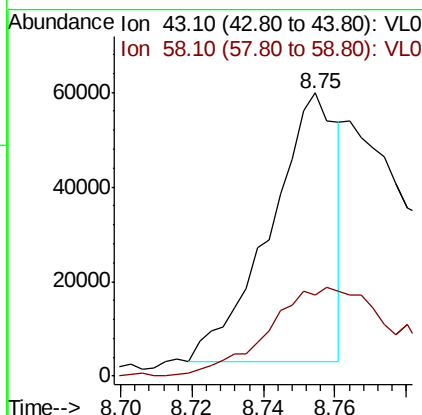
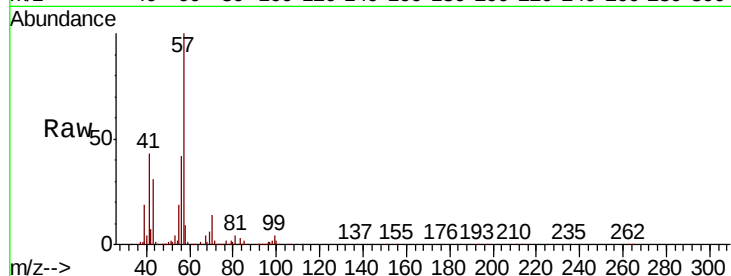
56 293.1 26.1 39.1#





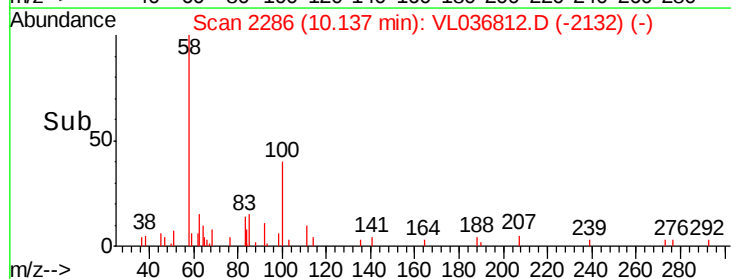
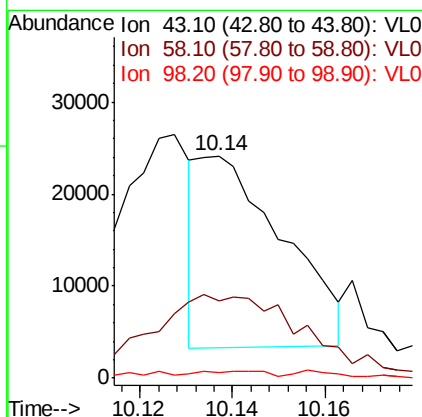
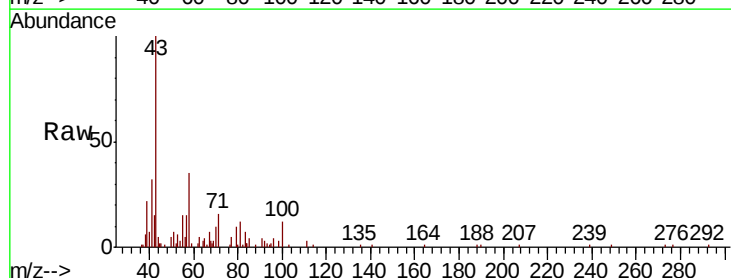
#50
 4-Methyl-2-Pentanone
 Concen: 0.311 ppbv
 RT: 8.75
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 20:58

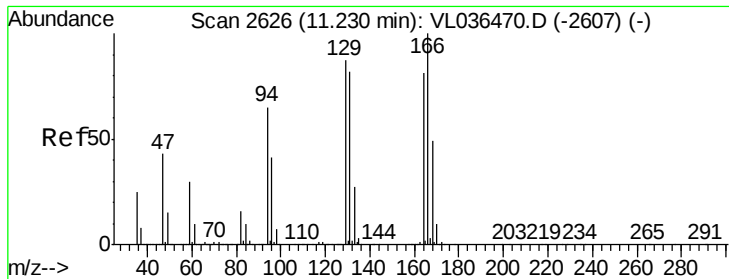
Tot Ion: 43 Resp: 74337
 Ion Ratio Lower Upper
 43 100
 58 66.5 28.2 42.2#



#51
 2-Hexanone
 Concen: 0.218 ppbv
 RT: 10.14 min Scan# 2286
 Delta R.T. -0.00 min
 Lab File: VL036812.D
 Acq: 13 Apr 2021 20:58

Tgt Ion: 43 Resp: 26294
 Ion Ratio Lower Upper
 43 100
 58 89.1 37.7 56.5#
 98 0.0 0.2 0.2#





#52

Tetrachloroethene

Concen: 0.072 ppbv

RT: 11.23

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 20:58

Tot Ion:164 Resp: 8320

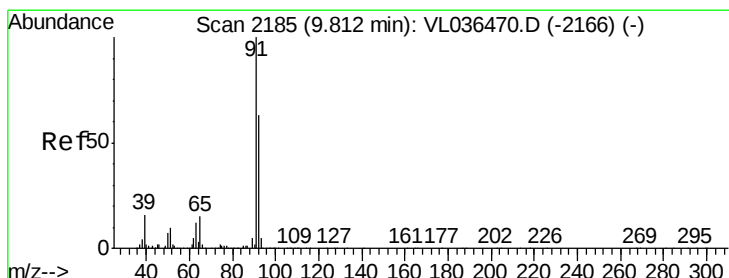
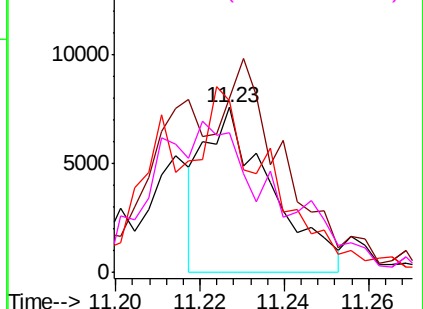
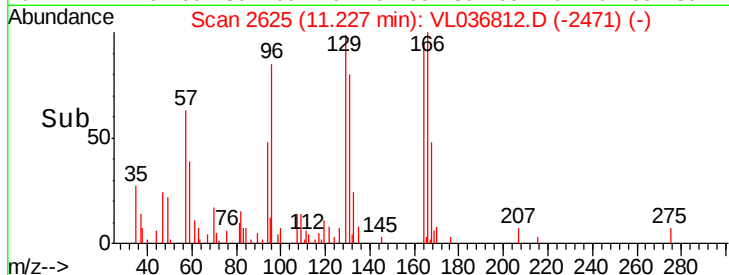
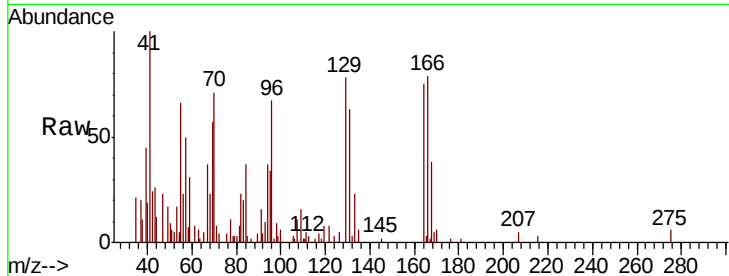
Ion Ratio Lower Upper

164 100

166 104.3 98.3 147.5

129 107.2 85.8 128.8

131 78.5 80.9 121.3#



#53

Toluene

Concen: 4.106 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL036812.D

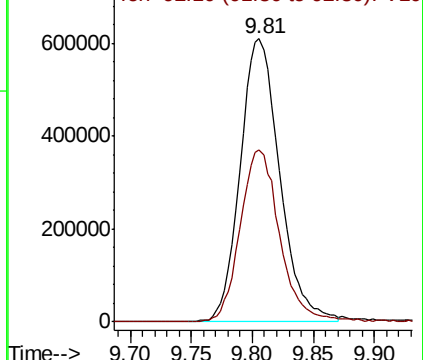
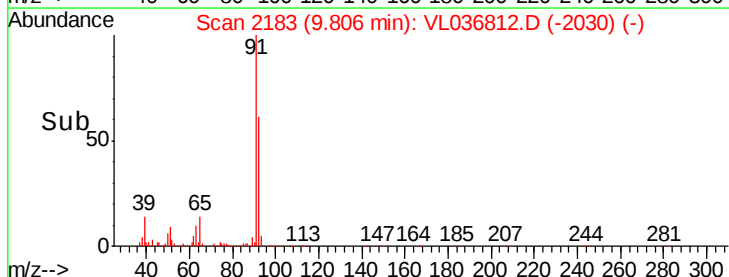
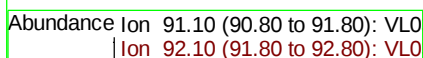
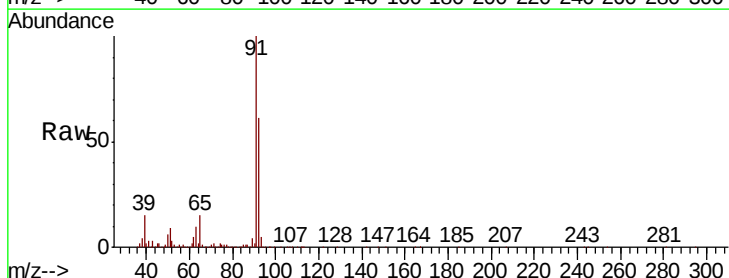
Acq: 13 Apr 2021 20:58

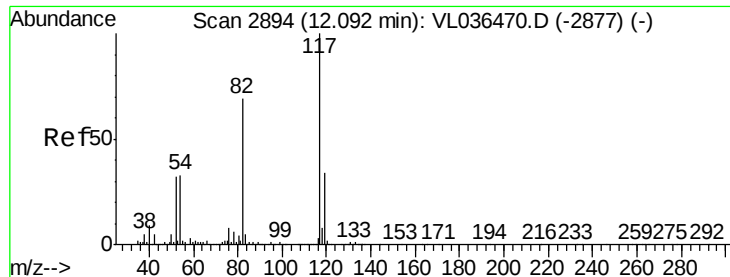
Tgt Ion: 91 Resp: 1364630

Ion Ratio Lower Upper

91 100

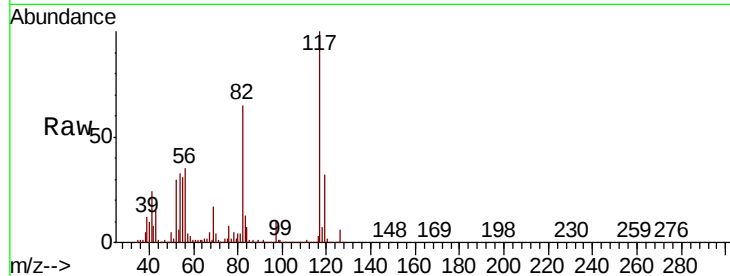
92 61.4 48.8 73.2



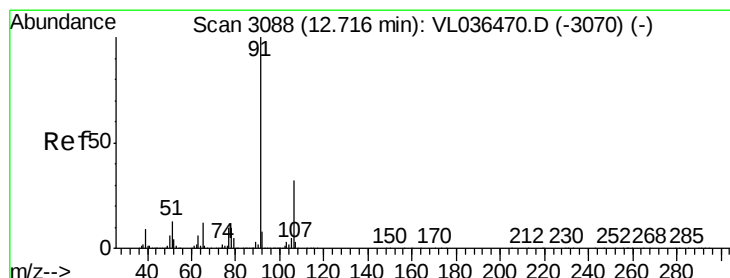
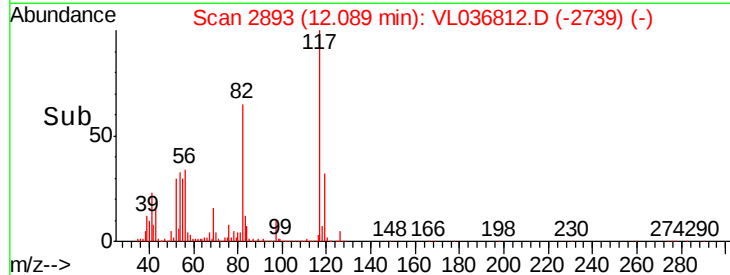
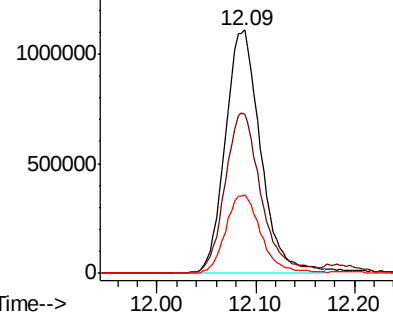


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 20:58

Tot Ion: 117 Resp: 2744307
Ion Ratio Lower Upper
117 100
82 67.8 57.4 86.0
119 33.2 47.4 71.0#

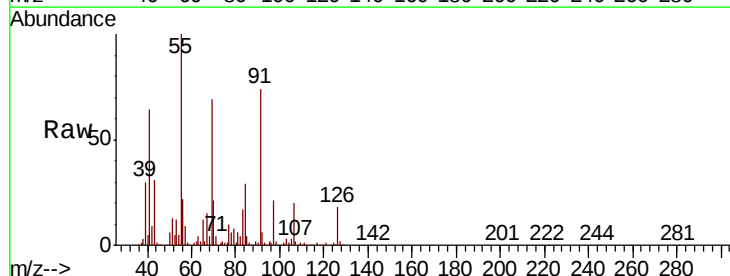


Abundance Ion 117.10 (116.80 to 117.80): V
1500000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

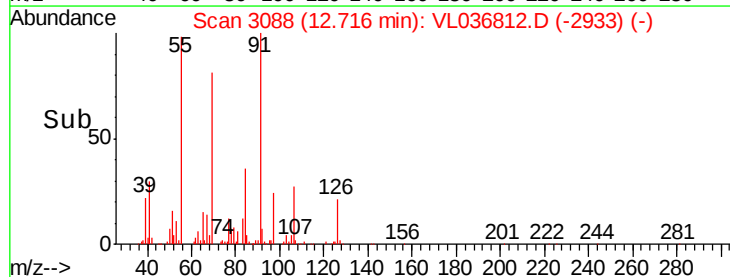
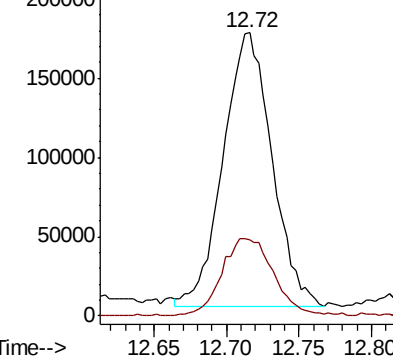


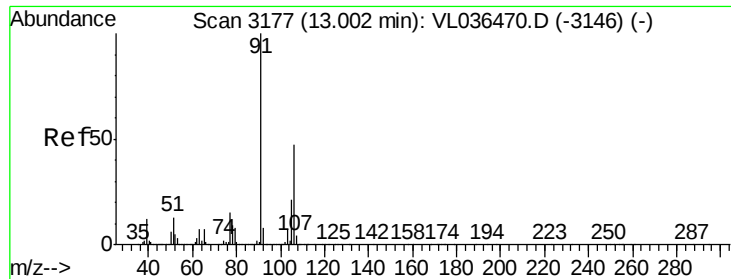
#58
Ethyl Benzene
Concen: 1.011 ppbv
RT: 12.72 min Scan# 3088
Delta R.T.: -0.00 min
Lab File: VL036812.D
Acq: 13 Apr 2021 20:58

Tgt Ion: 91 Resp: 403621
Ion Ratio Lower Upper
91 100
106 27.8 25.3 37.9



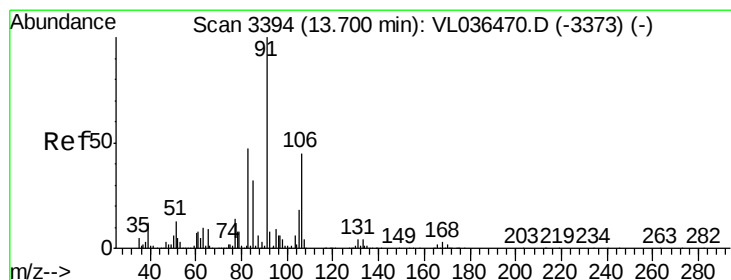
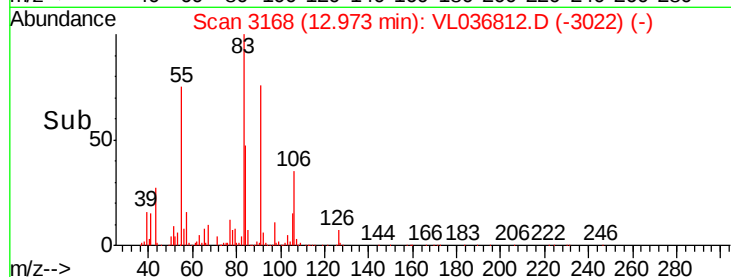
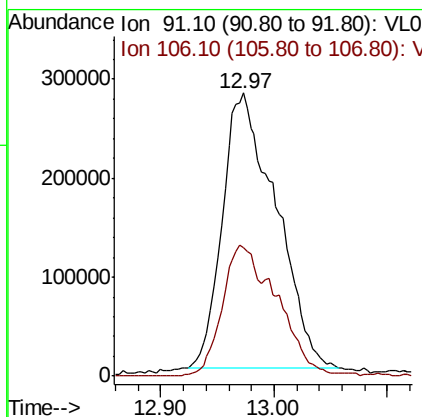
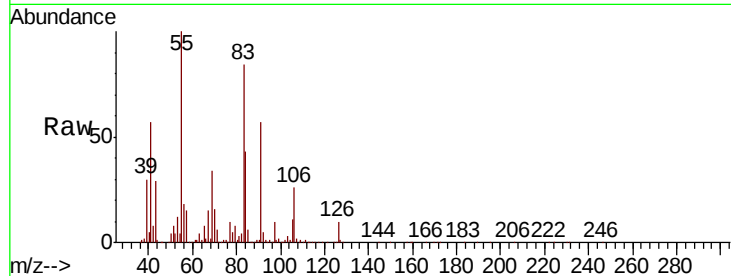
Abundance Ion 91.10 (90.80 to 91.80): VL0
200000
Ion 106.10 (105.80 to 106.80): V





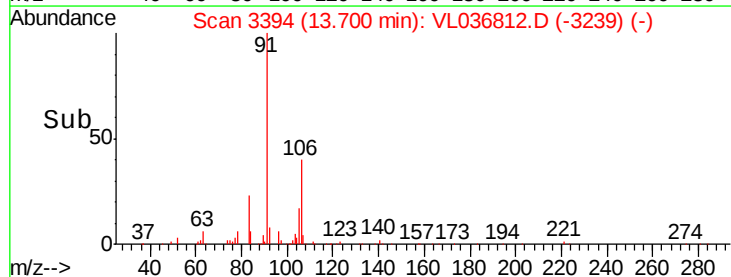
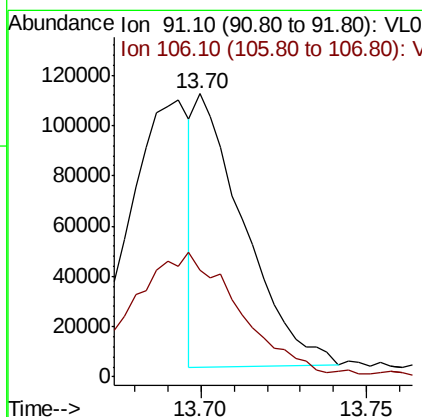
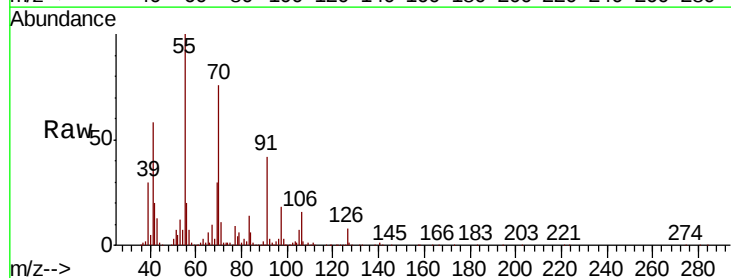
#59
m/p-Xylene
Concen: 2.626 ppbv
RT: 12.97 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 20:58

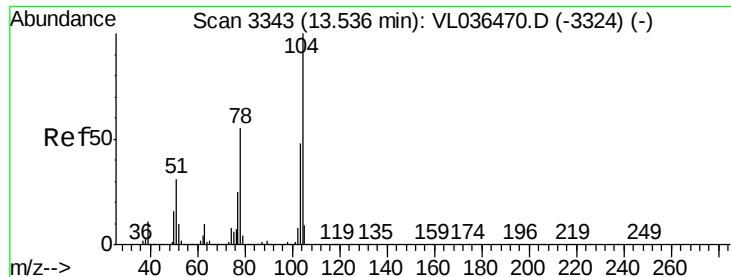
Tot Ion: 91 Resp: 914606
Ion Ratio Lower Upper
91 100
106 48.4 35.3 52.9



#60
o-Xylene
Concen: 0.331 ppbv
RT: 13.70 min Scan# 3394
Delta R.T.: -0.00 min
Lab File: VL036812.D
Acq: 13 Apr 2021 20:58

Tgt Ion: 91 Resp: 111443
Ion Ratio Lower Upper
91 100
106 106.0 22.3 66.9#





#61

Stvrene

Concen: 1.249 ppbv

RT: 13.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 20:58

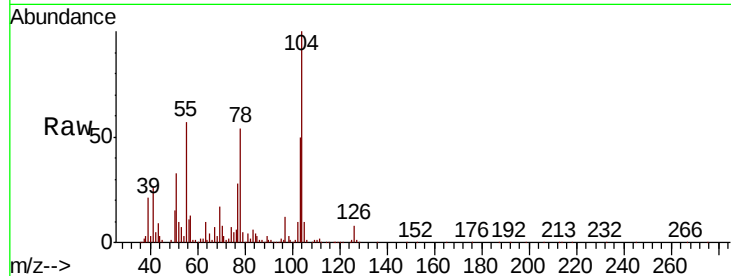
Tot Ion:104 Resp: 211505

Ion Ratio Lower Upper

104 100

78 0.0 43.8 65.8#

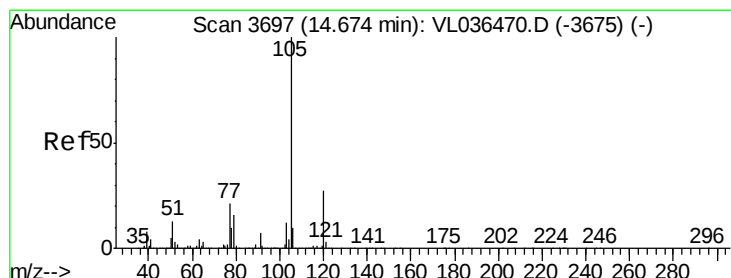
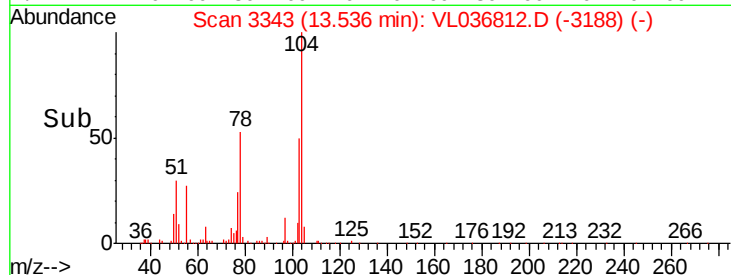
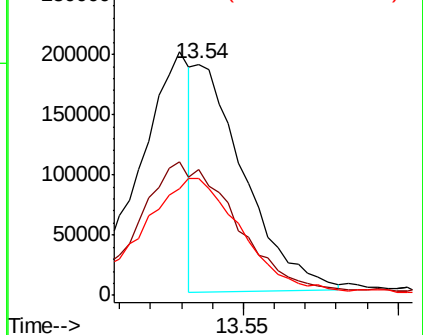
103 110.6 38.3 57.5#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 21.725 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VL036812.D

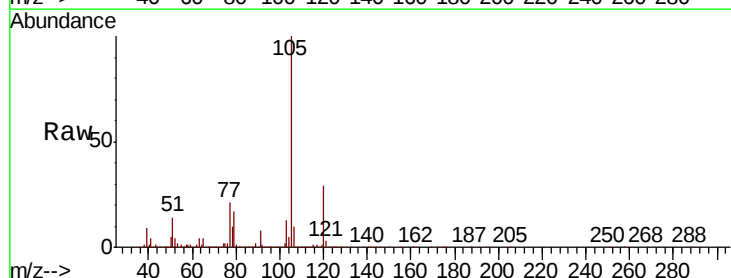
Acq: 13 Apr 2021 20:58

Tgt Ion:105 Resp: 9851200

Ion Ratio Lower Upper

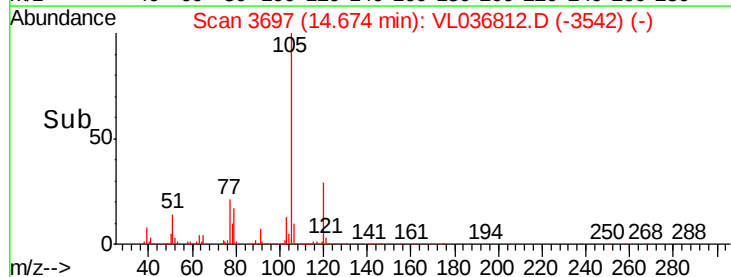
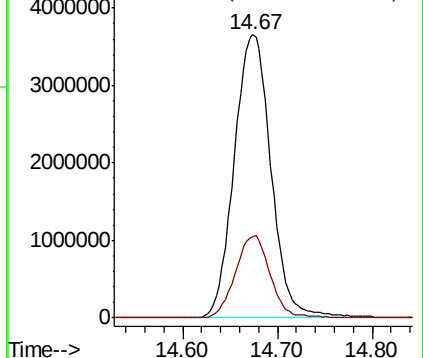
105 100

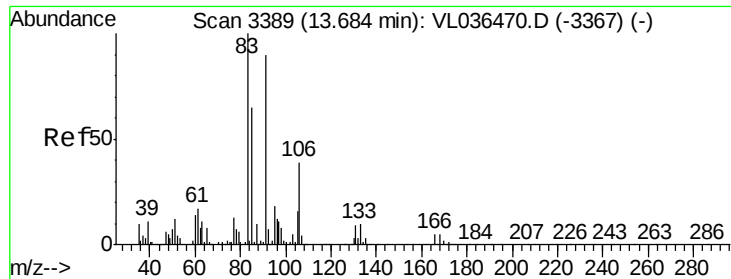
120 27.7 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 0.046 ppbv

RT: 13.68 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 20:58

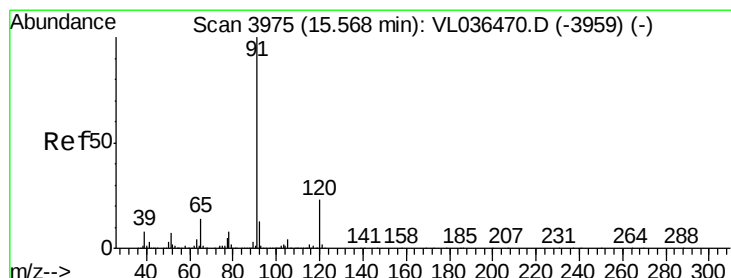
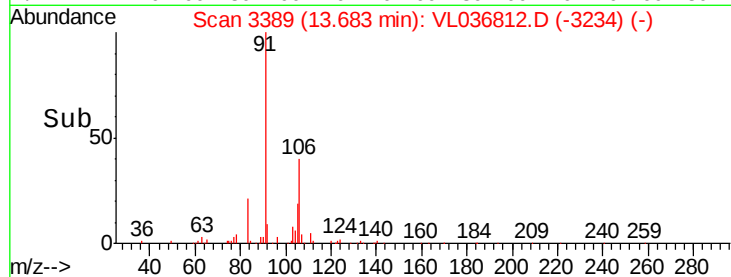
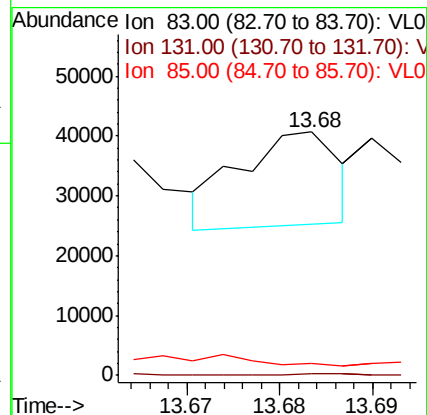
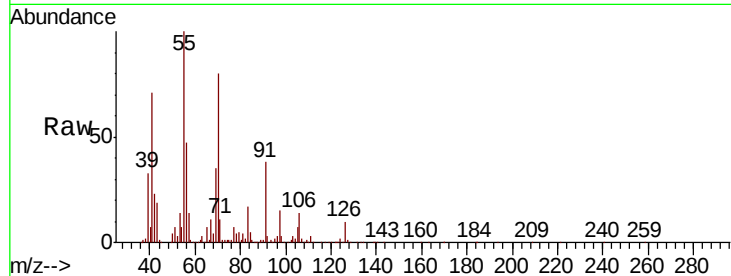
Tot Ion: 83 Resp: 11767

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

85 0.0 33.1 99.3#



#64

n-propylbenzene

Concen: 0.101 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VL036812.D

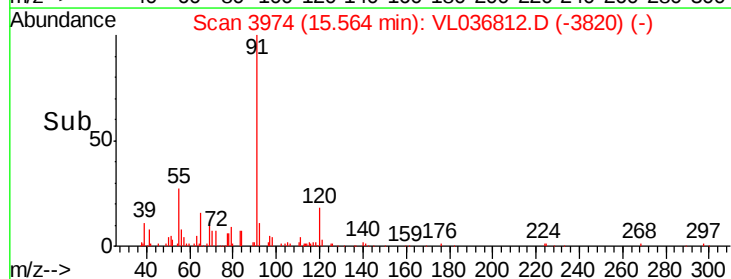
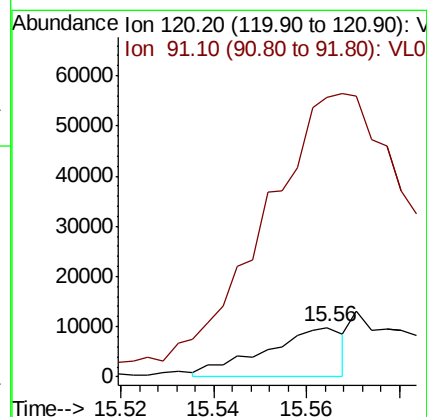
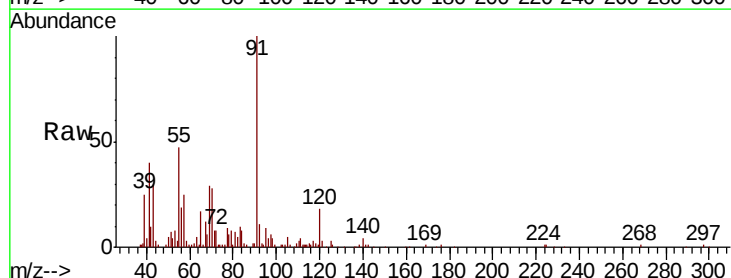
Acq: 13 Apr 2021 20:58

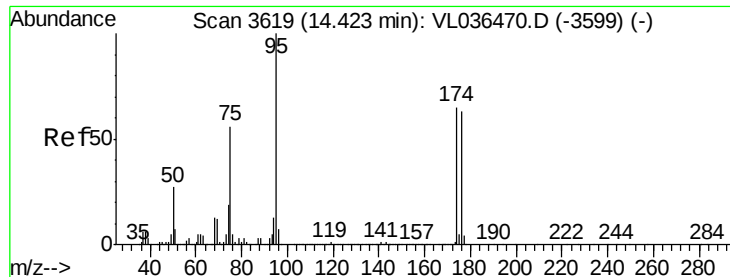
Tgt Ion: 120 Resp: 11240

Ion Ratio Lower Upper

120 100

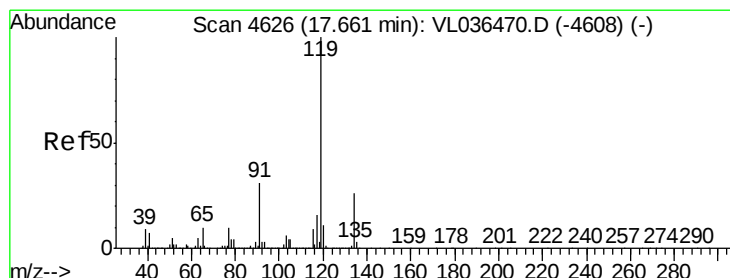
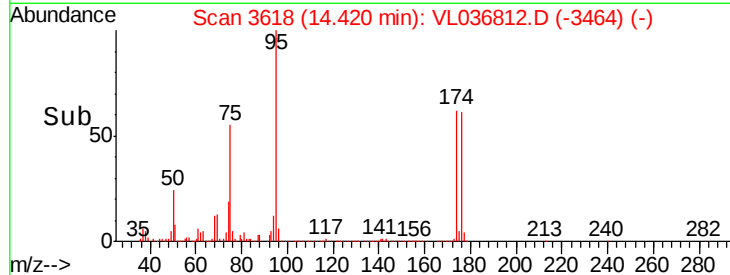
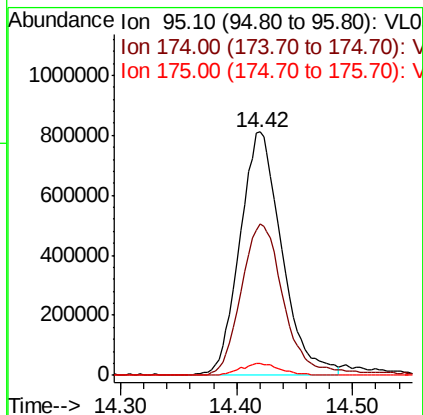
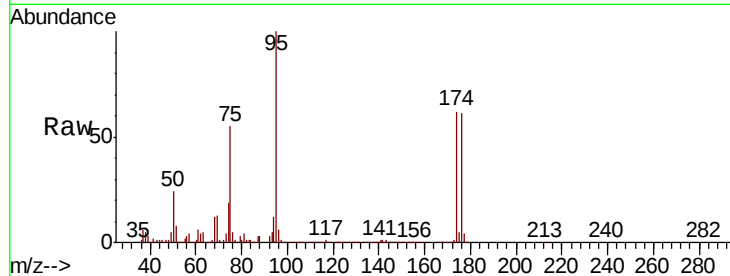
91 0.0 377.4 566.2#





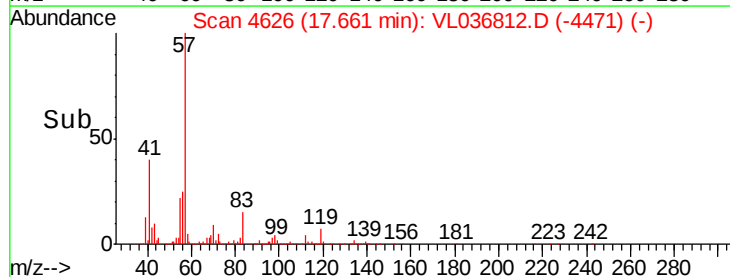
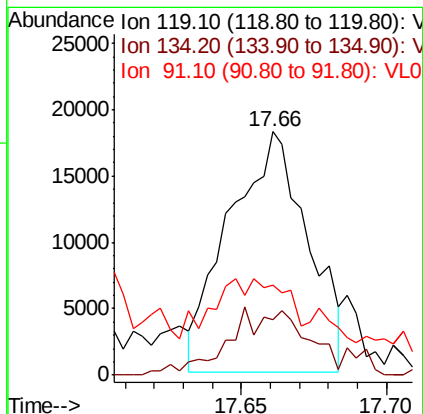
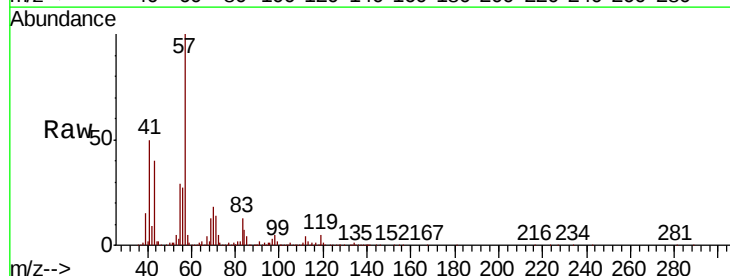
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.295 ppbv
 RT: 14.42 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 20:58

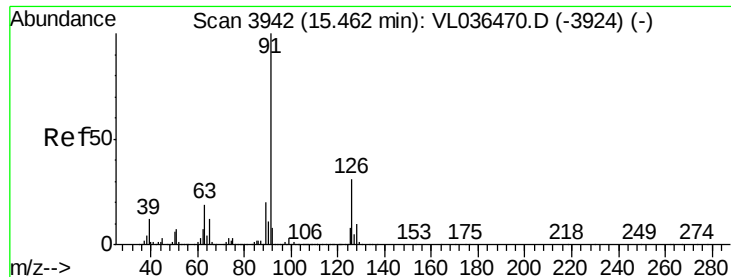
Tot Ion: 95 Resp: 2033099
 Ion Ratio Lower Upper
 95 100
 174 65.5 51.0 76.6
 175 4.7 3.9 5.9



#69
 p-Isopropyltoluene
 Concen: 0.079 ppbv
 RT: 17.66 min Scan# 4626
 Delta R.T.: -0.00 min
 Lab File: VL036812.D
 Acq: 13 Apr 2021 20:58

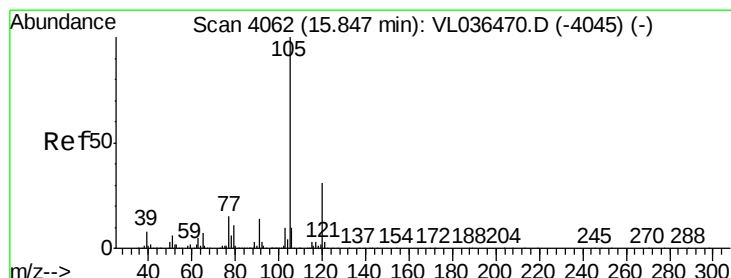
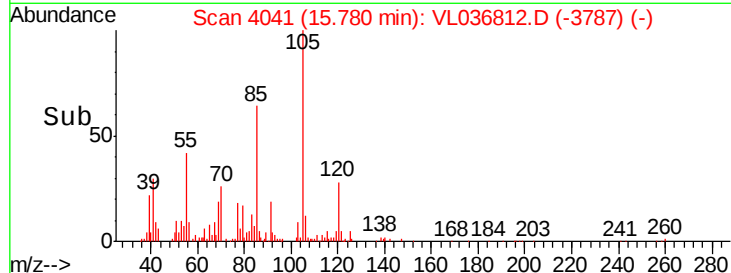
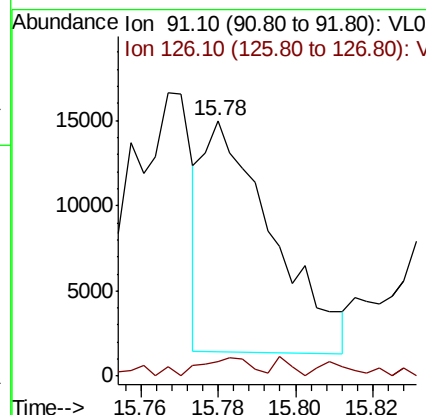
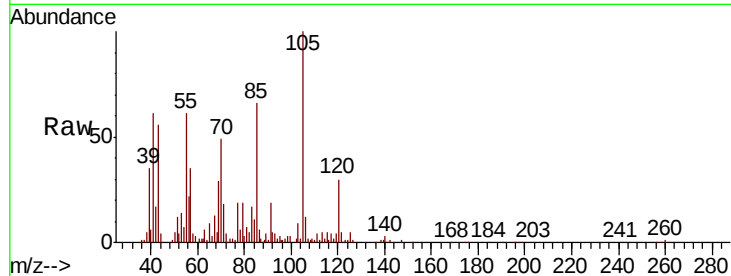
Tgt Ion: 119 Resp: 34329
 Ion Ratio Lower Upper
 119 100
 134 30.1 20.6 30.8
 91 52.5 25.0 37.6#





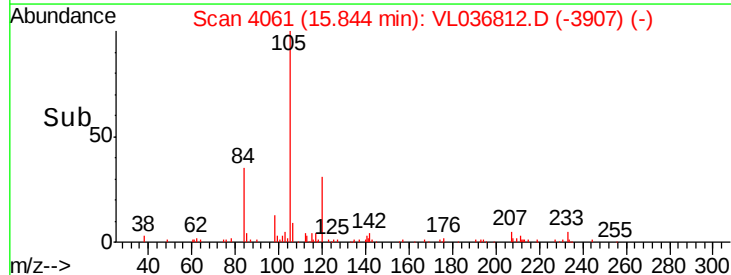
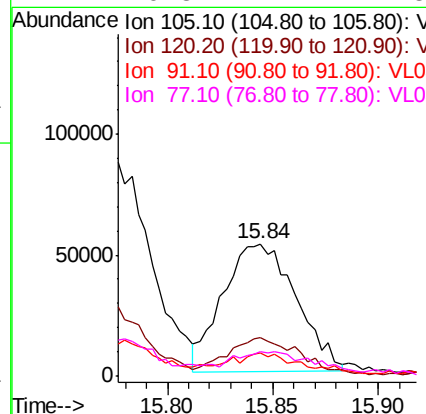
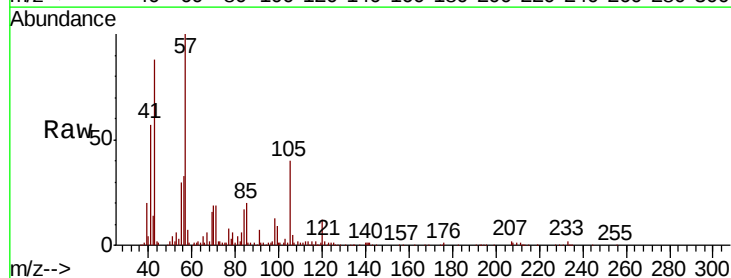
#71
 2-Chlorotoluene
 Concen: 0.050 ppbv
 RT: 15.78 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 20:58

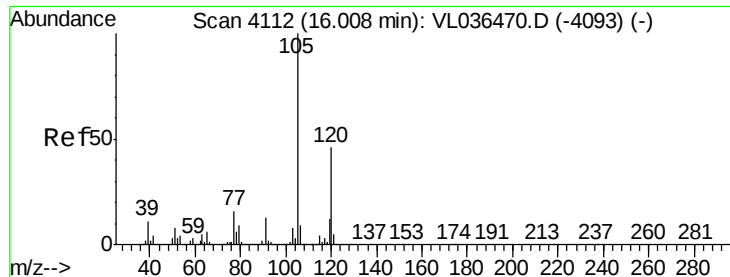
Tot Ion: 91 Resp: 16962
 Ion Ratio Lower Upper
 91 100
 126 15.3 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 0.346 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. -0.00 min
 Lab File: VL036812.D
 Acq: 13 Apr 2021 20:58

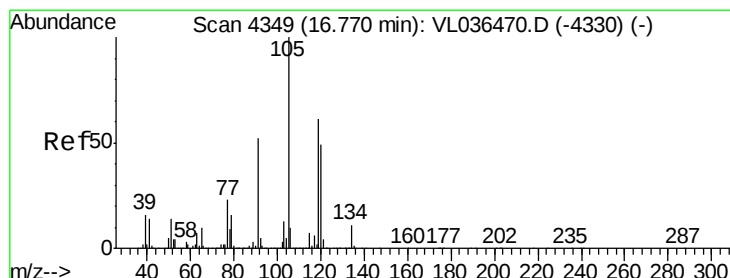
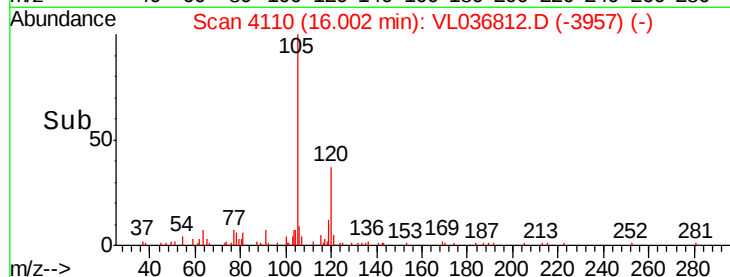
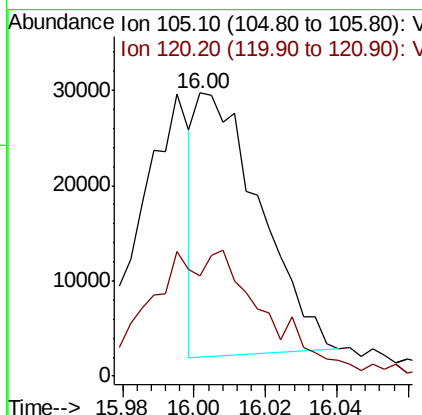
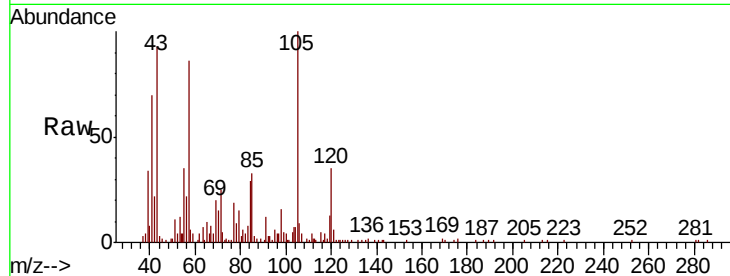
Tgt Ion: 105 Resp: 127798
 Ion Ratio Lower Upper
 105 100
 120 31.4 24.0 36.0
 91 15.8 11.0 16.4
 77 16.8 11.7 17.5





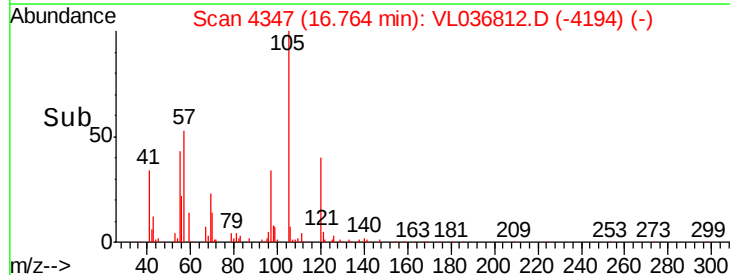
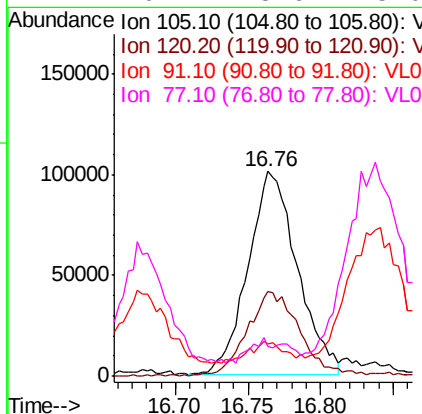
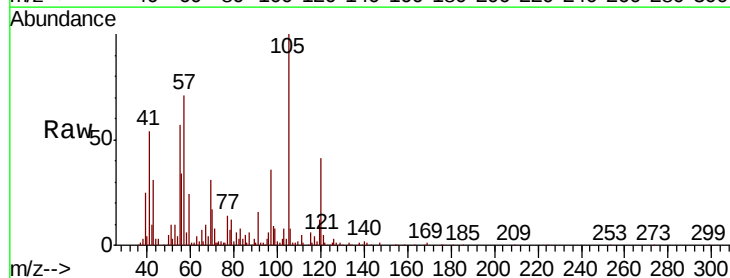
#73
 1,3,5-Trimethylbenzene
 Concen: 0.099 ppbv
 RT: 16.00 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 20:58

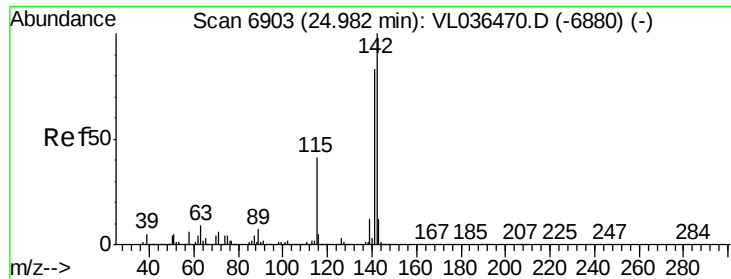
Tot Ion:105 Resp: 34175
 Ion Ratio Lower Upper
 105 100
 120 32.9 36.6 54.8#



#74
 1,2,4-Trimethylbenzene
 Concen: 0.647 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL036812.D
 Acq: 13 Apr 2021 20:58

Tgt Ion:105 Resp: 238312
 Ion Ratio Lower Upper
 105 100
 120 41.4 39.2 58.8
 91 6.5 42.6 64.0#
 77 0.2 18.6 28.0#





#80

Naphthalene, 2-methyl-

Concen: 0.059 ppbv

RT: 24.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 20:38

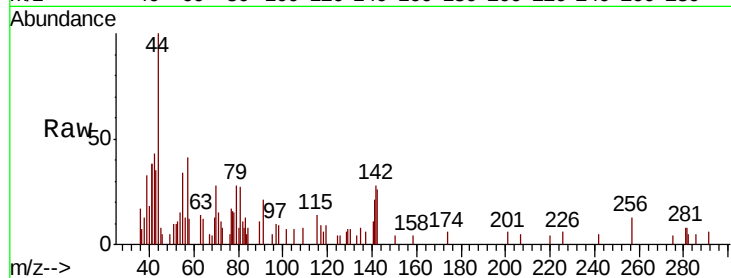
Tot Ion: 142 Resp: 2482

Ion Ratio Lower Upper

142 100

141 129.8 67.8 101.8#

115 66.0 34.0 51.0#



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

