

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036807.D
 Acq On : 13 Apr 2021 17:36
 Operator : SY/AP
 Sample : M2018-01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 14 04:40:53 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	5.67	49	1418724	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3552681	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2978419	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2095690	8.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	31178	0.135	ppbv 92
4) Chloromethane	3.14	50	26204	0.280	ppbv # 84
9) Propene	3.02	41	403597	4.776	ppbv # 76
10) Heptane	8.13	43	2344256	10.890	ppbv 99
11) Trichlorofluoromethane	3.95	101	19472	0.083	ppbv 95
13) Ethanol	3.62	45	631720	62.777	ppbv 95
15) Acetone	3.84	43	14482783	103.718	ppbv # 90
16) 1,3-Butadiene	3.30	39	49806	0.512	ppbv # 31
17) tert-Butyl alcohol	4.31	59	177458	1.460	ppbv 96
19) Isopropyl Alcohol	3.99	45	738025	9.608	ppbv # 89
20) Methylene Chloride	4.35	84	2713498	41.505	ppbv 94
23) Vinyl Acetate	5.05	43	191596	0.802	ppbv # 11
25) Ethyl Acetate	5.69	43	1632474	4.917	ppbv # 78
26) Hexane	5.69	57	2189173	14.210	ppbv # 47
27) Carbon Disulfide	4.55	76	530602	3.496	ppbv 97
28) Methyl tert-Butyl Ether	5.04	73	10367	0.057	ppbv # 52
29) Chloroform	5.76	83	91729	0.372	ppbv 92
30) Cyclohexane	7.13	84	132653	1.062	ppbv 97
34) 2-Butanone	5.25	43	501859	2.894	ppbv 97
36) Benzene	6.89	78	266519	0.813	ppbv 91
39) 1,2-Dichloropropane	7.23	63	18674	0.140	ppbv # 1
40) 1,4-Dioxane	7.85	88	2243	0.073	ppbv # 1
41) Tetrahydrofuran	6.32	42	69296	0.867	ppbv # 46
42) Bromodichloromethane	7.79	83	64409	0.246	ppbv # 25
43) Methyl Methacrylate	8.12	69	20940	0.190	ppbv # 1
44) 2,2,4-Trimethylpentane	7.87	57	316753	0.549	ppbv # 1
50) 4-Methyl-2-Pentanone	8.76	43	220233	0.878	ppbv 93
51) 2-Hexanone	10.15	43	14579	0.115	ppbv # 1
53) Toluene	9.81	91	2552105	7.314	ppbv 100
58) Ethyl Benzene	12.71	91	412793	0.953	ppbv # 88
59) m/p-Xylene	12.97	91	1061834	2.809	ppbv 95
60) o-Xylene	13.69	91	314180	0.860	ppbv 100
61) Styrene	13.53	104	332142	1.807	ppbv 99
62) Isopropylbenzene	14.68	105	6363378	12.930	ppbv 99
63) 1,1,2,2-Tetrachloroethane	13.68	83	9546	0.034	ppbv # 24
64) n-propylbenzene	15.56	120	13168	0.109	ppbv # 1
72) 4-Ethyltoluene	15.84	105	134020	0.335	ppbv 95
73) 1,3,5-Trimethylbenzene	16.00	105	18285	0.049	ppbv # 64
74) 1,2,4-Trimethylbenzene	16.77	105	279712	0.699	ppbv # 66

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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

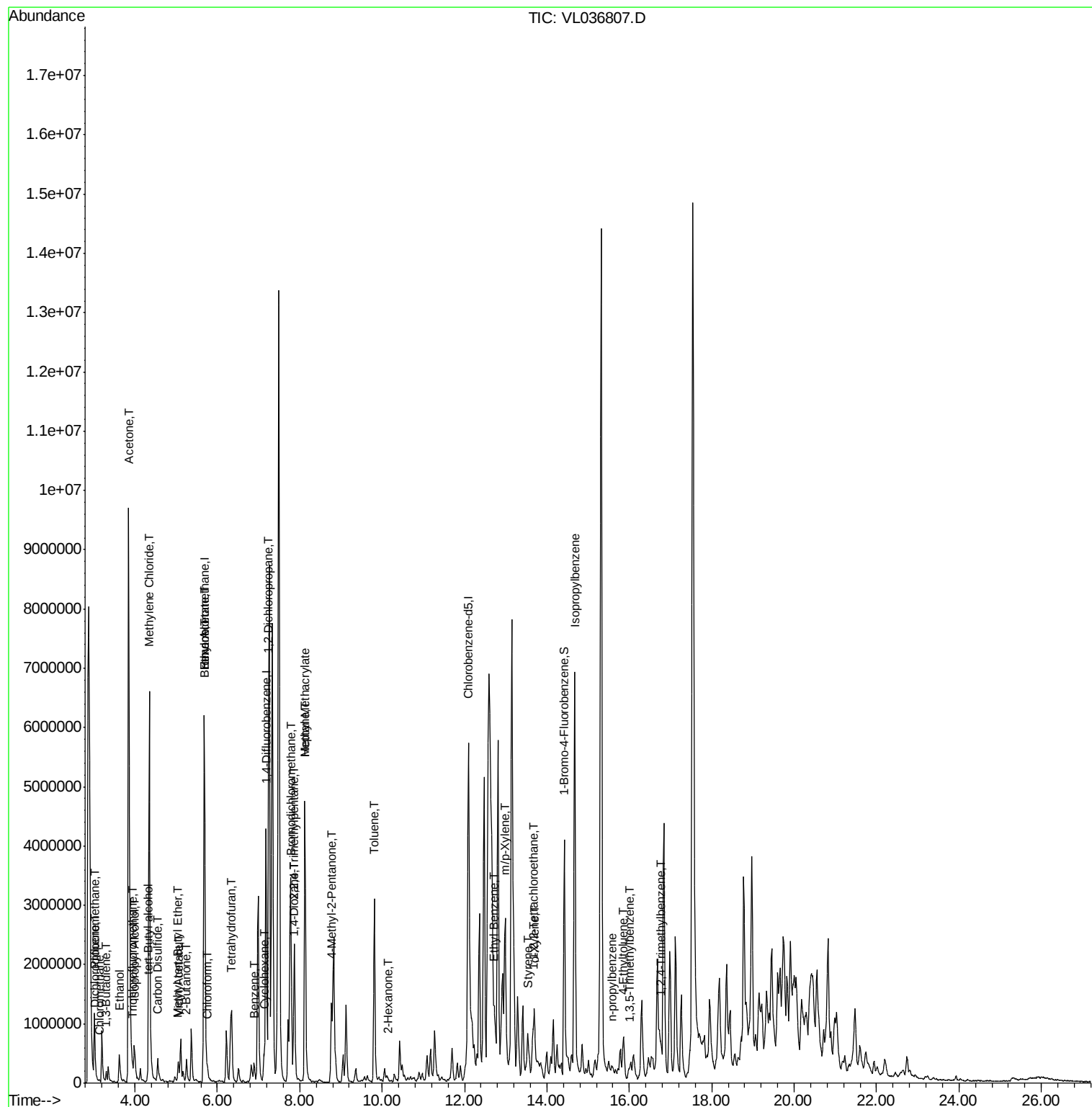
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

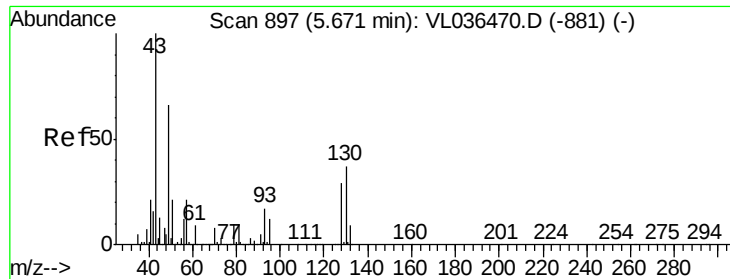
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 17:30

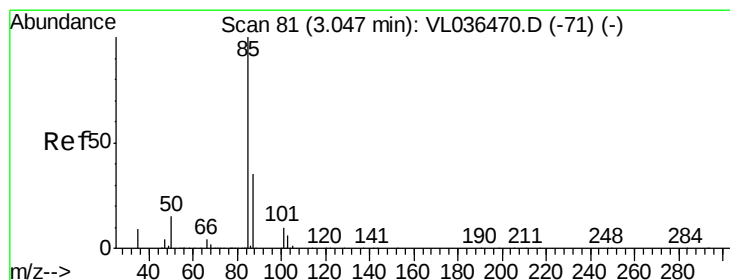
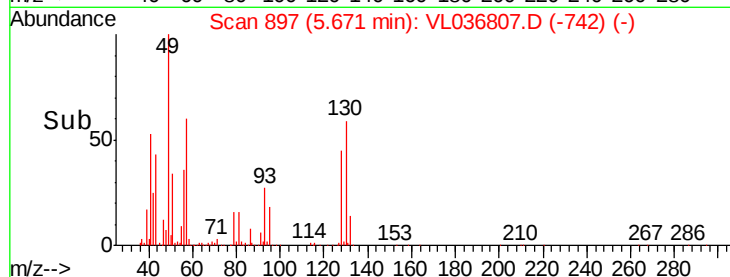
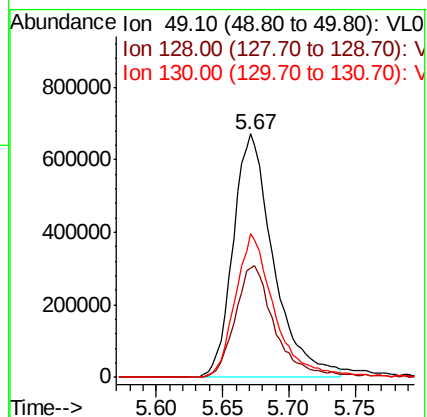
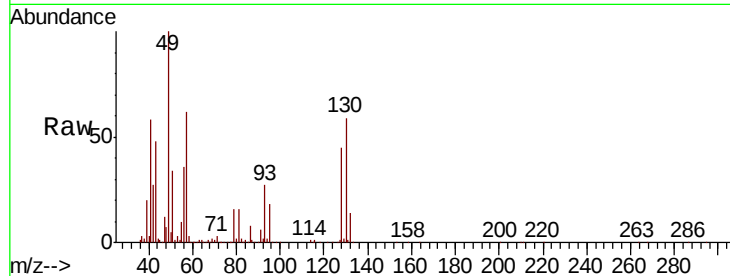
Tot Ion: 49 Resp: 1418724

Ion Ratio Lower Upper

49 100

128 46.1 23.5 70.6

130 57.9 29.1 87.4



#2

Dichlorodifluoromethane

Concen: 0.135 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036807.D

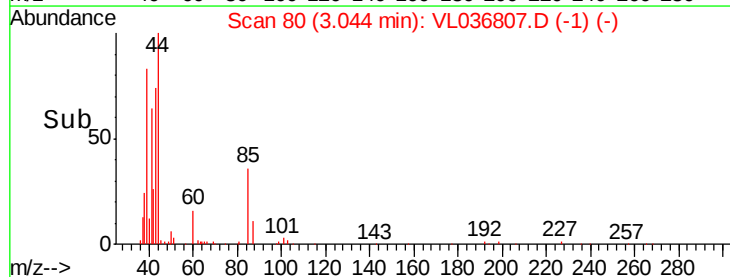
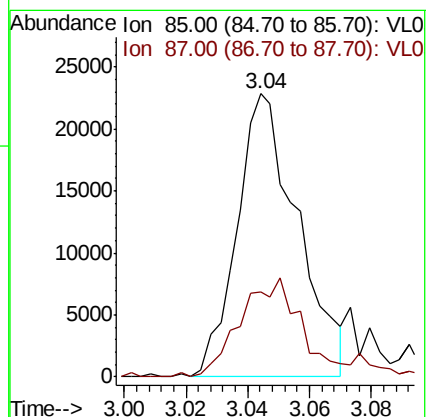
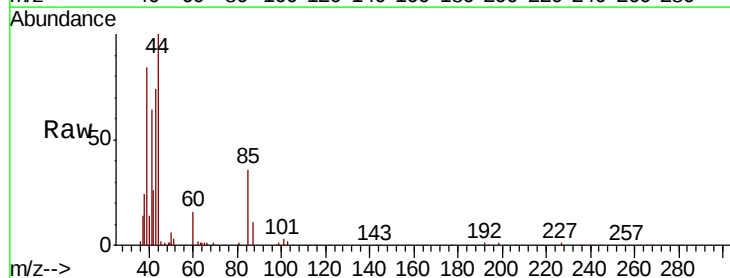
Acq: 13 Apr 2021 17:36

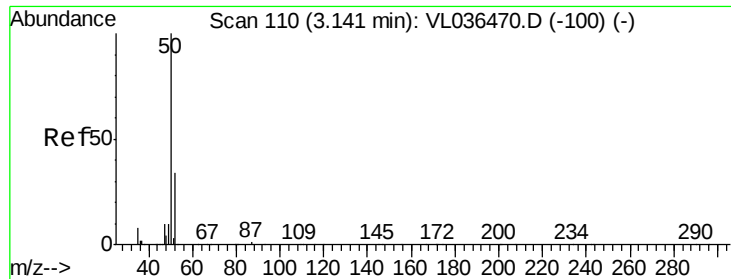
Tgt Ion: 85 Resp: 31178

Ion Ratio Lower Upper

85 100

87 30.0 27.8 41.8





#4

Chloromethane

Concen: 0.280 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

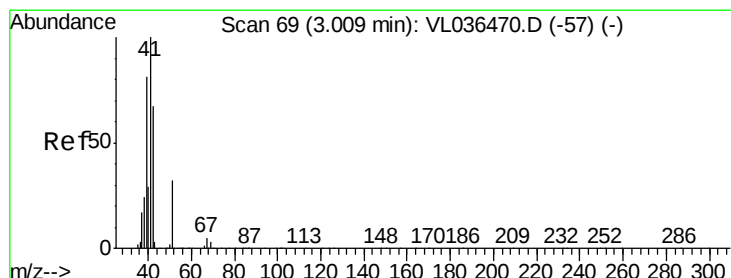
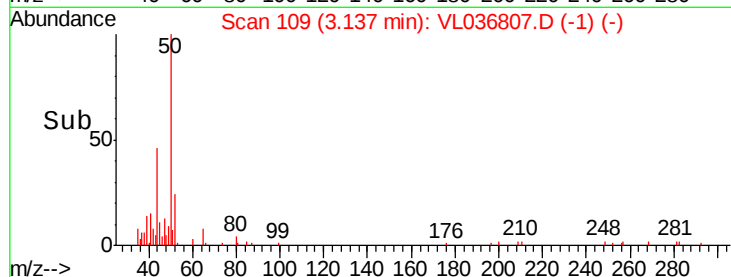
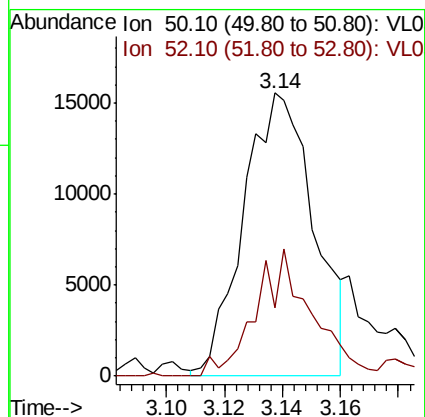
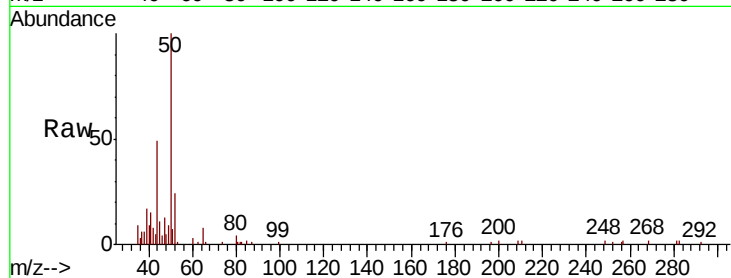
Acq: 13 Apr 2021 17:30

Tot Ion: 50 Resp: 26204

Ion Ratio Lower Upper

50 100

52 24.7 27.0 40.6#



#9

Propene

Concen: 4.776 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036807.D

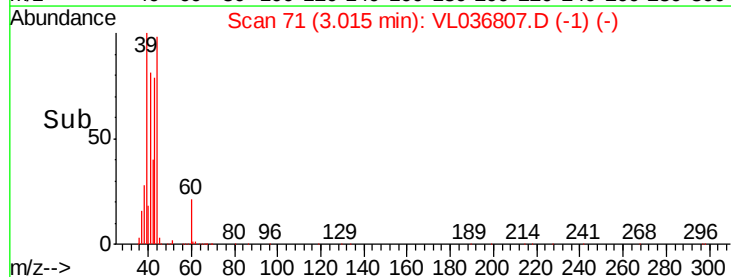
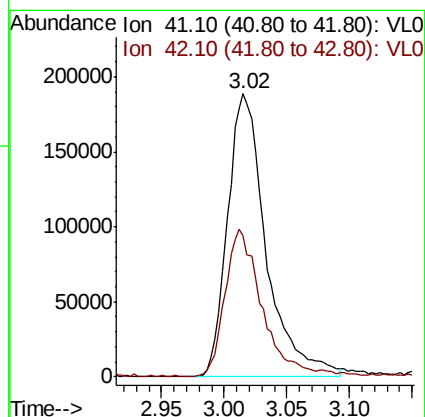
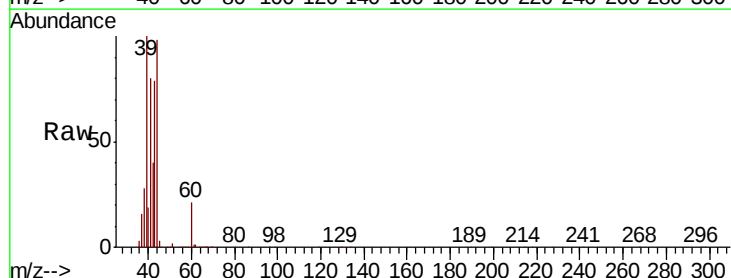
Acq: 13 Apr 2021 17:36

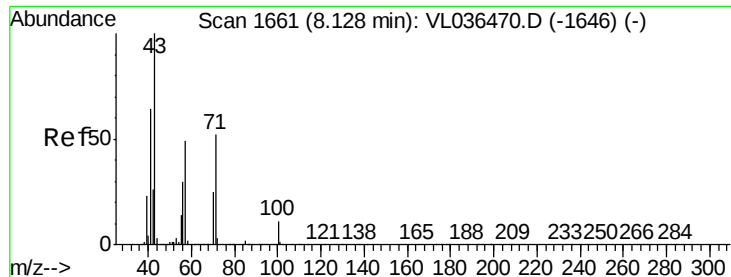
Tgt Ion: 41 Resp: 403597

Ion Ratio Lower Upper

41 100

42 51.3 57.0 85.4#





#10

Heptane

Concen: 10.890 ppbv

RT: 8.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

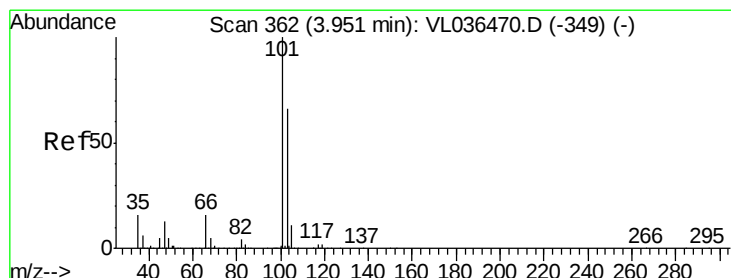
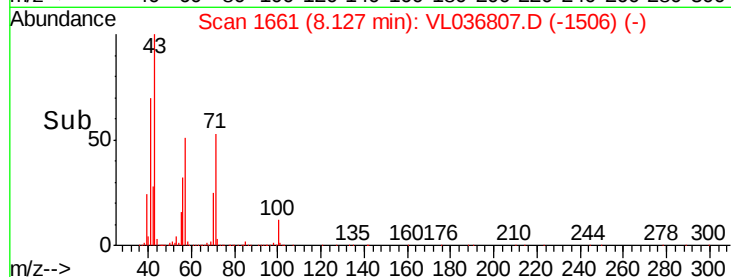
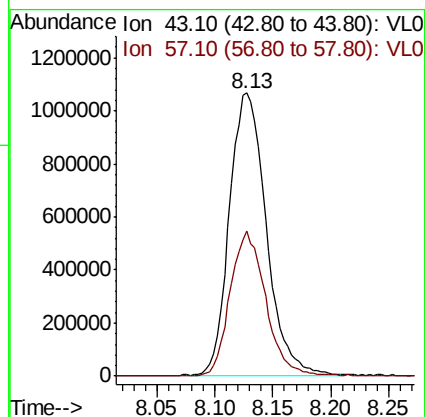
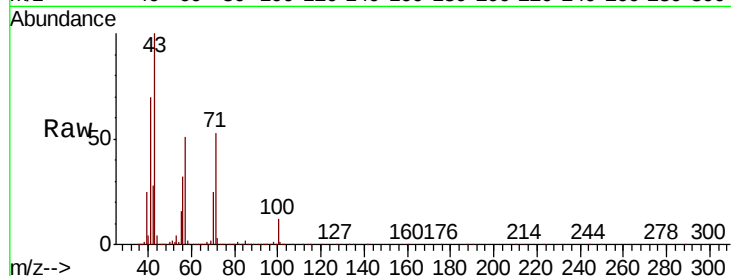
Acq: 13 Apr 2021 17:30

Tot Ion: 43 Resp: 2344256

Ion Ratio Lower Upper

43 100

57 49.8 39.0 58.6



#11

Trichlorofluoromethane

Concen: 0.083 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.00 min

Lab File: VL036807.D

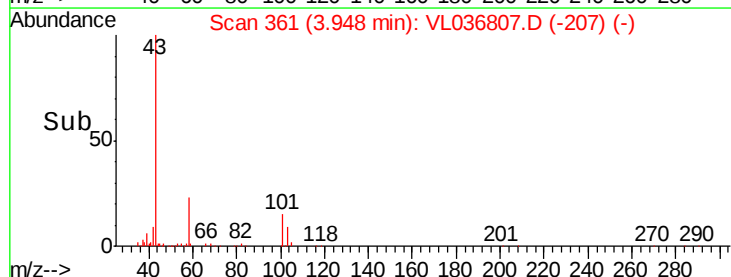
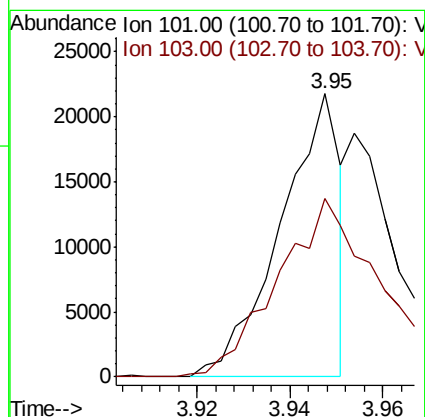
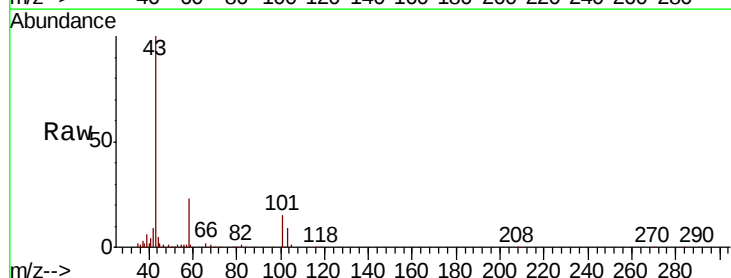
Acq: 13 Apr 2021 17:36

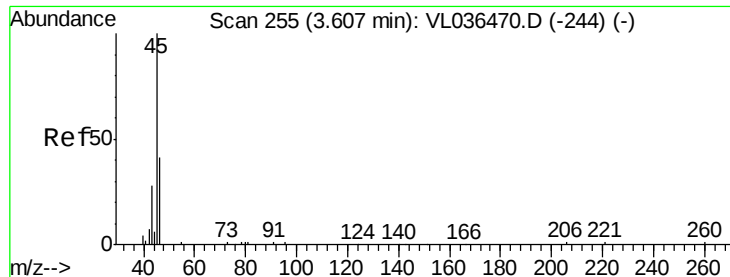
Tgt Ion:101 Resp: 19472

Ion Ratio Lower Upper

101 100

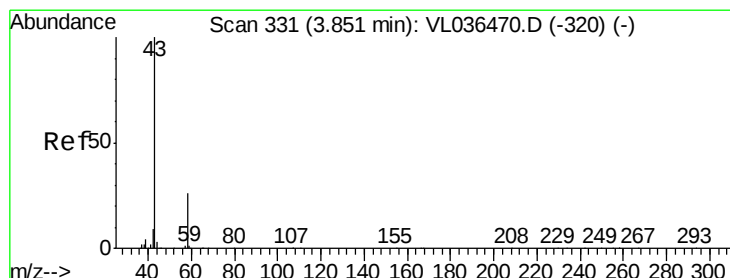
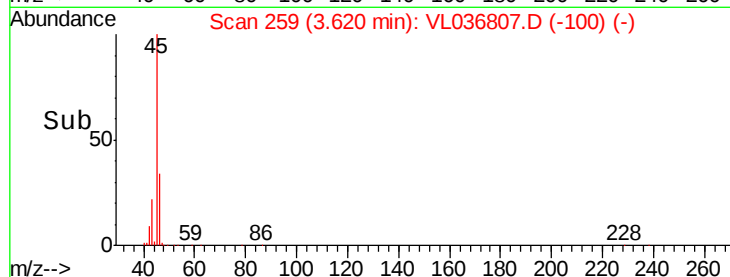
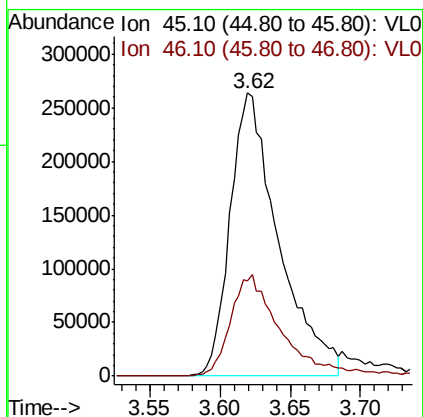
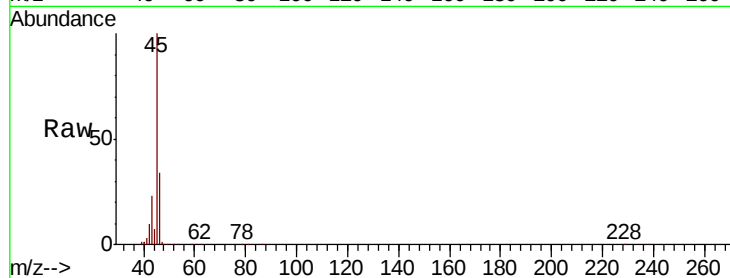
103 61.9 52.5 78.7





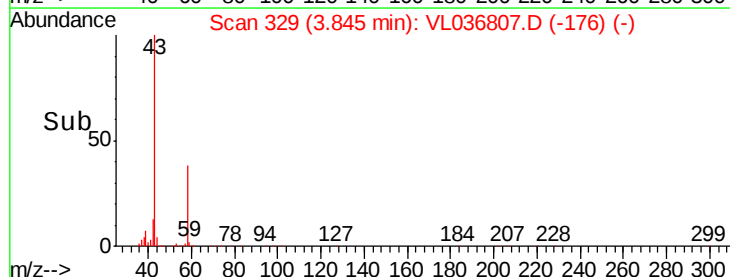
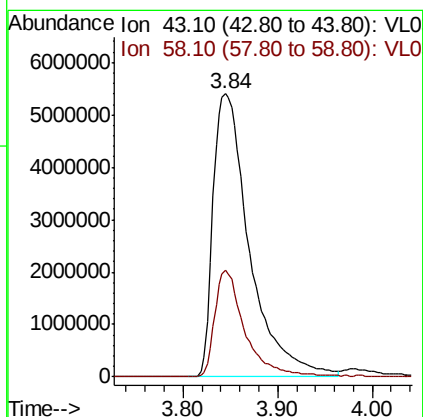
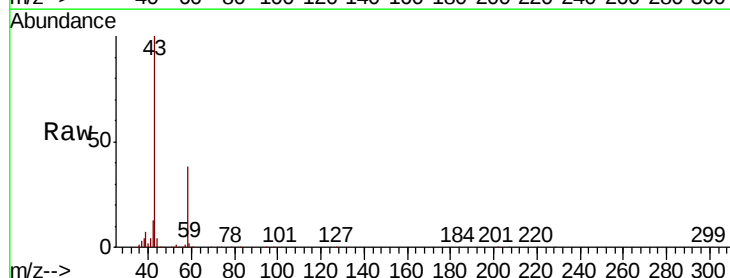
#13
 Ethanol
 Concen: 62.777 ppbv
 RT: 3.62
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 17:36

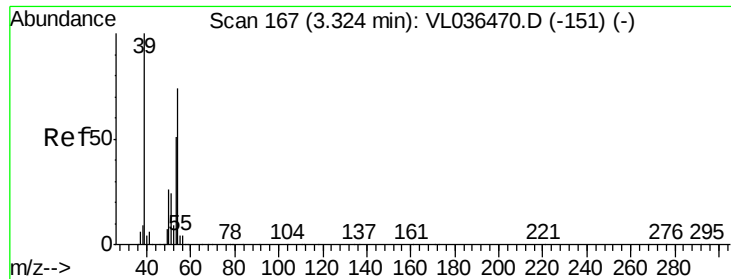
Tot Ion: 45 Resp: 631720
 Ion Ratio Lower Upper
 45 100
 46 38.3 16.6 66.2



#15
 Acetone
 Concen: 103.718 ppbv
 RT: 3.84 min Scan# 329
 Delta R.T. -0.01 min
 Lab File: VL036807.D
 Acq: 13 Apr 2021 17:36

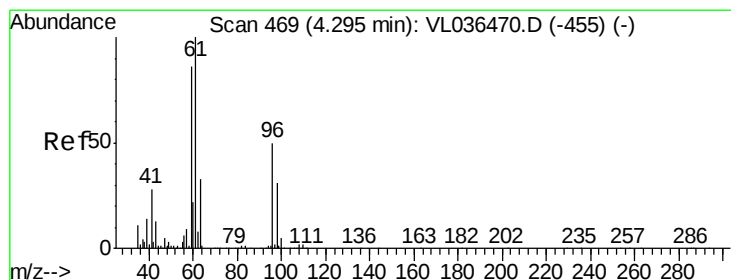
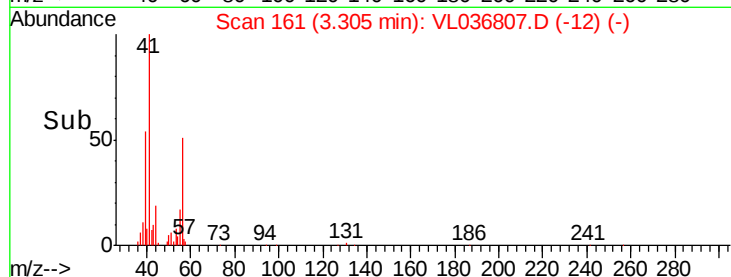
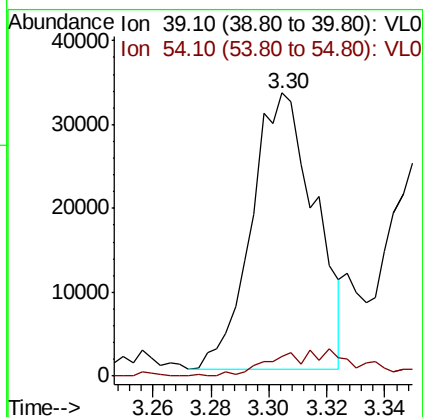
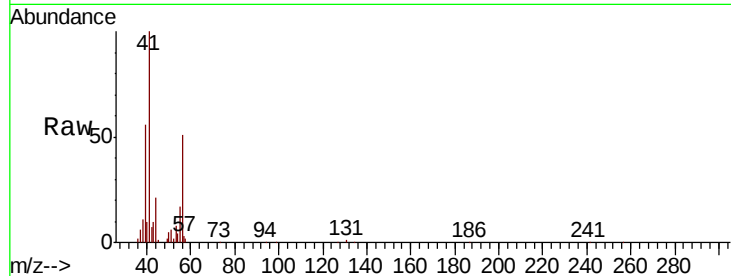
Tgt Ion: 43 Resp:14482783
 Ion Ratio Lower Upper
 43 100
 58 31.8 21.2 31.8#





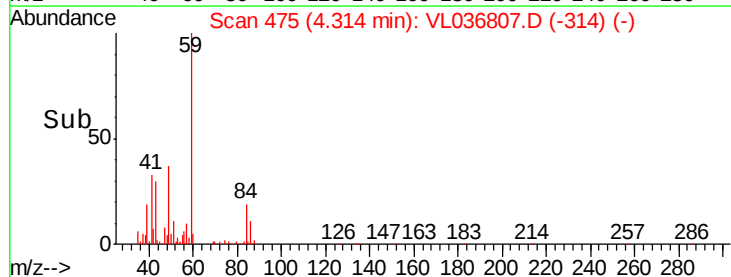
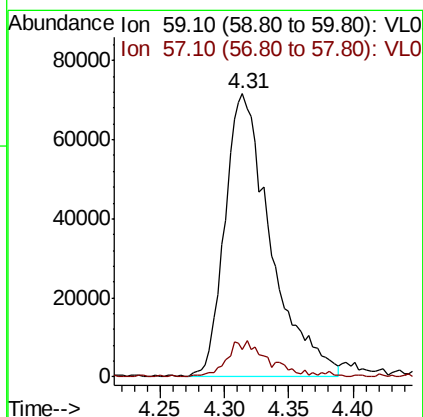
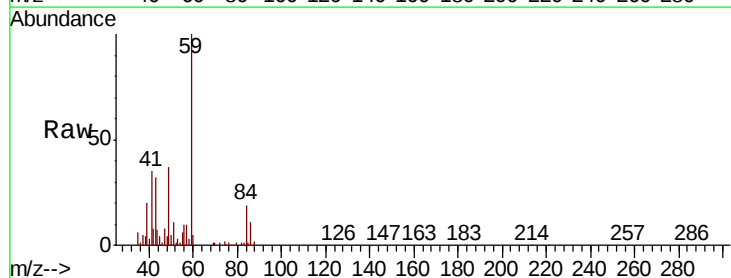
#16
 1,3-Butadiene
 Concen: 0.512 ppbv
 RT: 3.30 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 17:30

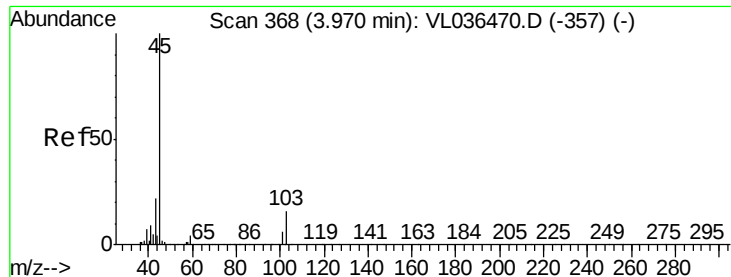
Tot Ion: 39 Resp: 49806
 Ion Ratio Lower Upper
 39 100
 54 15.1 58.8 88.2#



#17
 tert-Butyl alcohol
 Concen: 1.460 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. 0.02 min
 Lab File: VL036807.D
 Acq: 13 Apr 2021 17:36

Tgt Ion: 59 Resp: 177458
 Ion Ratio Lower Upper
 59 100
 57 12.2 8.6 12.8





#19

Isopropyl Alcohol

Concen: 9.608 ppbv

RT: 3.99 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

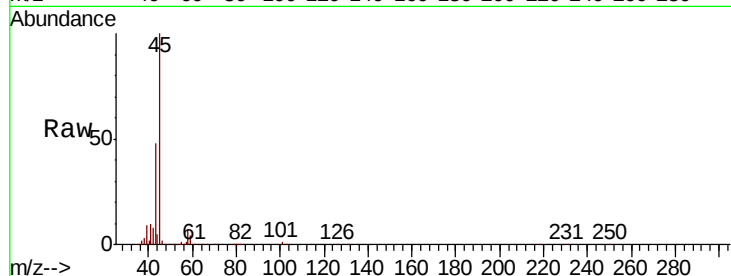
Acq: 13 Apr 2021 17:30

Tot Ion: 45 Resp: 738025

Ion Ratio Lower Upper

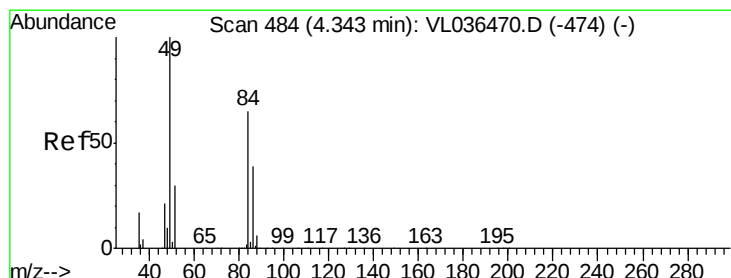
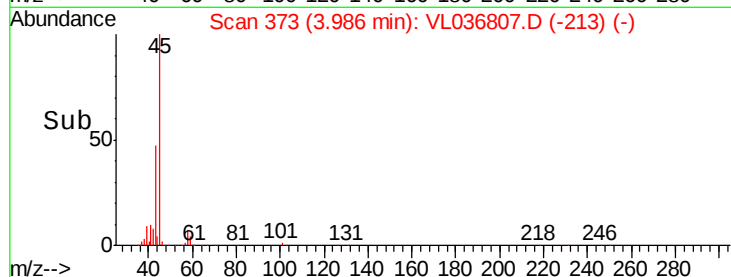
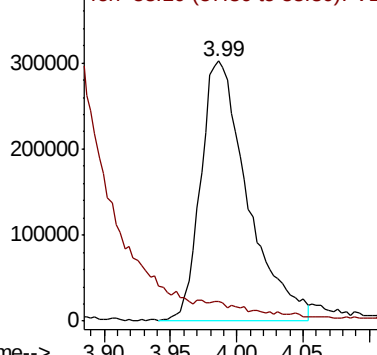
45 100

58 0.0 2.9 4.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 41.505 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL036807.D

Acq: 13 Apr 2021 17:36

Tgt Ion: 84 Resp: 2713498

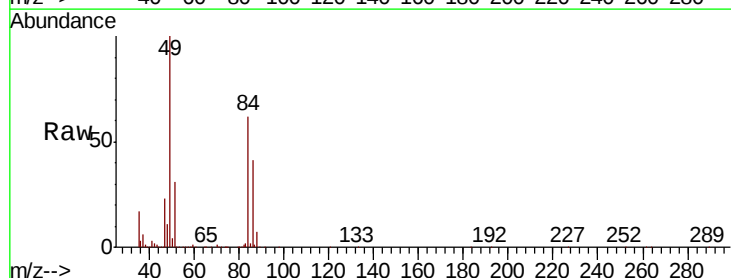
Ion Ratio Lower Upper

84 100

49 160.3 122.9 184.3

51 50.1 36.9 55.3

86 66.4 48.2 72.4

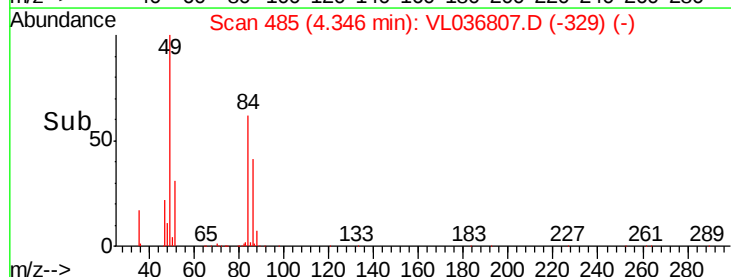
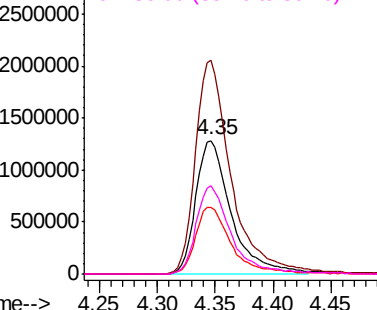


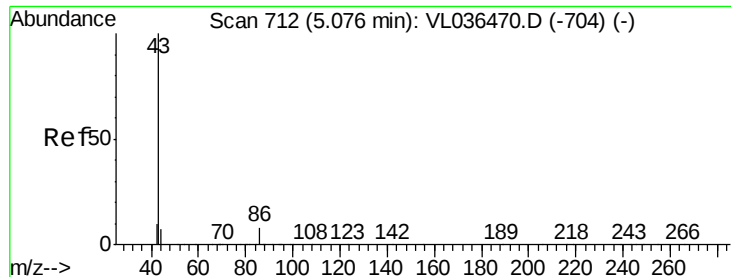
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#23

Vinyl Acetate

Concen: 0.802 ppbv

RT: 5.05 Instrument:

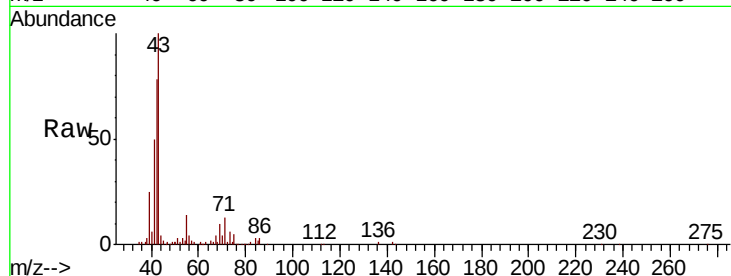
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 17:30

Tot Ion: 43 Resp: 191596

Ion	Ratio	Lower	Upper
43	100		
86	3.3	5.4	8.0#
42	79.1	8.5	12.7#
44	1.9	4.6	7.0#

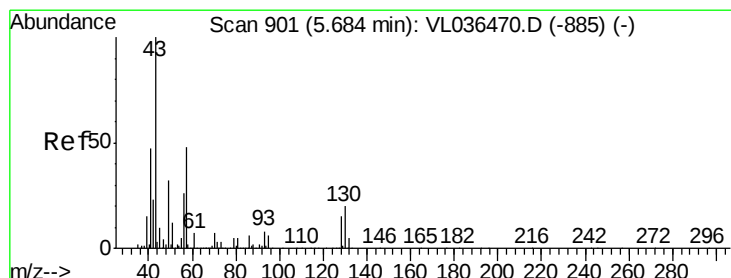
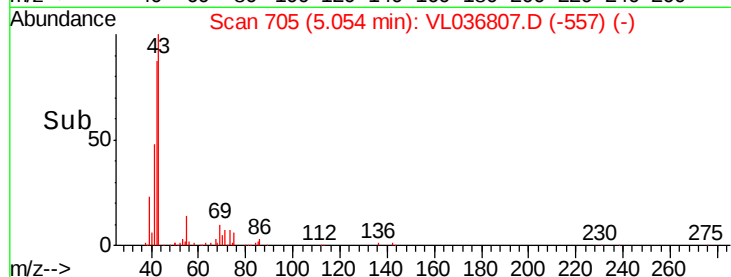
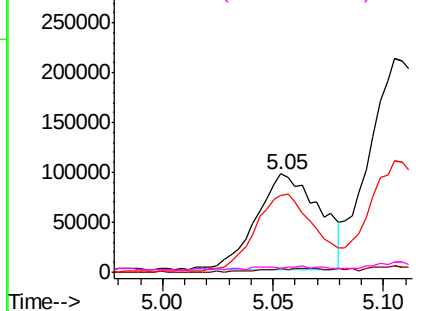


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 4.917 ppbv

RT: 5.69 min Scan# 902

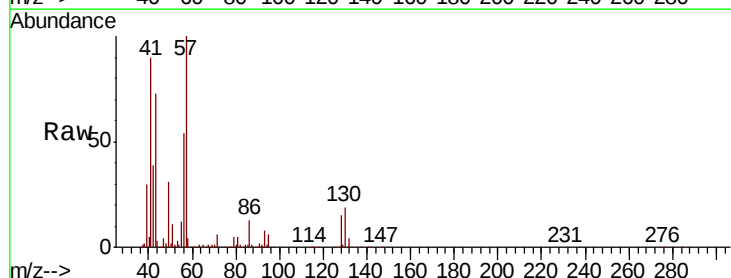
Delta R.T. 0.00 min

Lab File: VL036807.D

Acq: 13 Apr 2021 17:36

Tgt Ion: 43 Resp: 1632474

Ion	Ratio	Lower	Upper
43	100		
45	0.9	7.9	11.9#
61	0.5	7.4	11.2#
70	1.7	5.1	7.7#

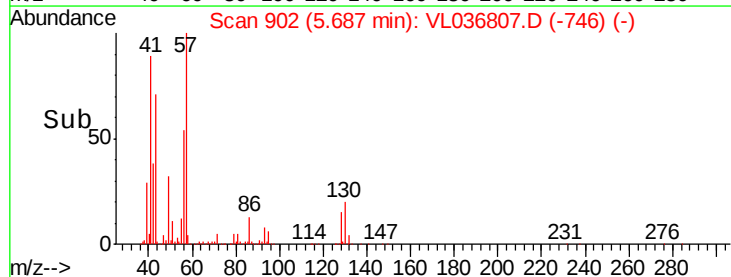
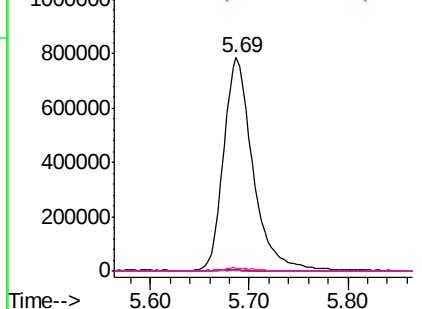


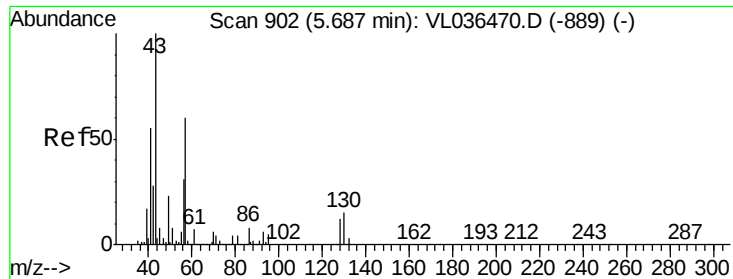
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

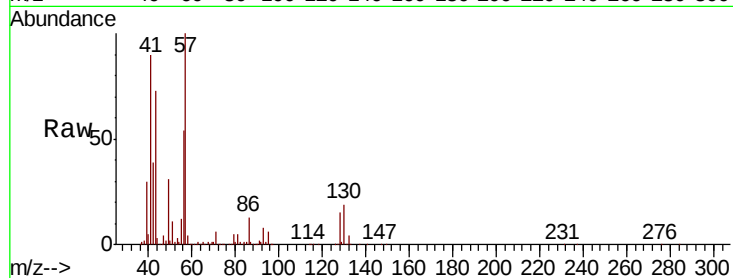
Ion 70.10 (69.80 to 70.80): VL0



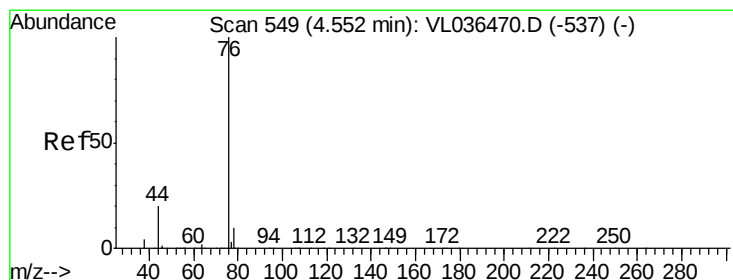
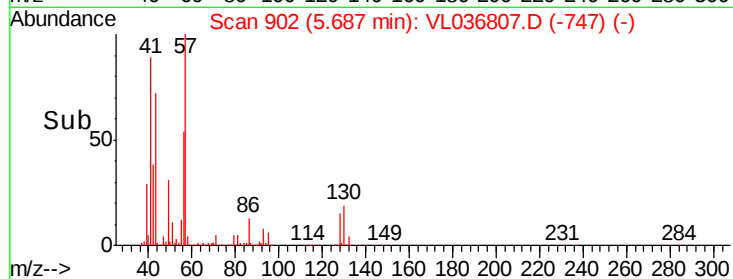
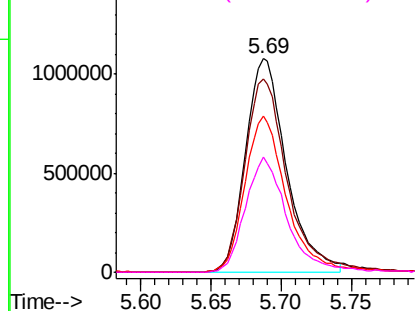


#26
Hexane
Concen: 14.210 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 17:30

Tot Ion:	57	Resp:	2189173
Ion	Ratio	Lower	Upper
57	100		
41	94.8	77.2	115.8
43	74.9	173.8	260.6#
56	55.5	43.8	65.6

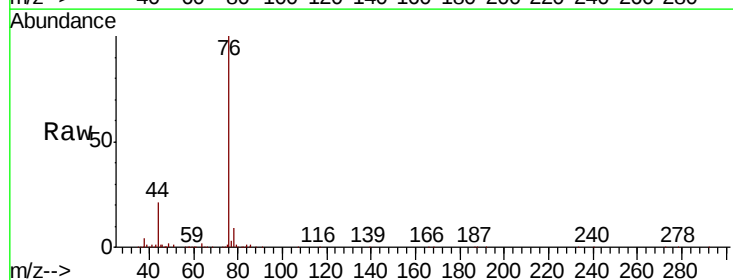


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

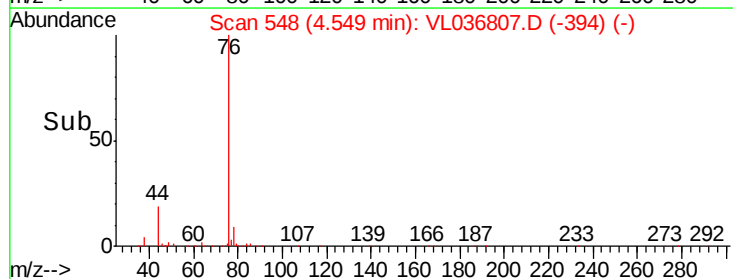
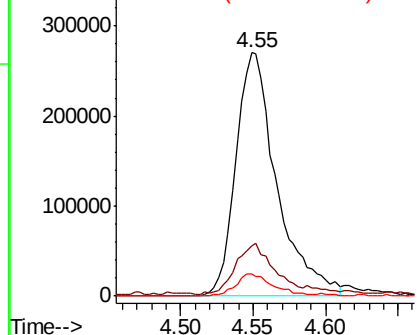


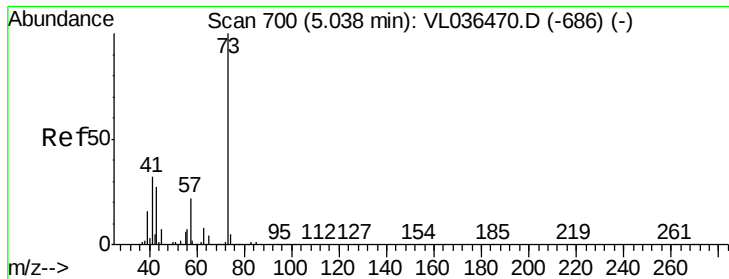
#27
Carbon Disulfide
Concen: 3.496 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL036807.D
Acq: 13 Apr 2021 17:36

Tgt Ion:	76	Resp:	530602
Ion	Ratio	Lower	Upper
76	100		
44	22.6	17.5	26.3
78	8.9	8.6	13.0



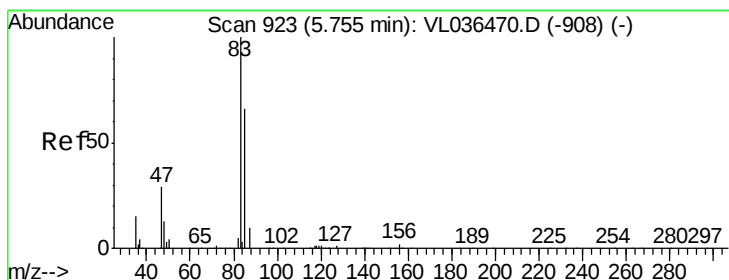
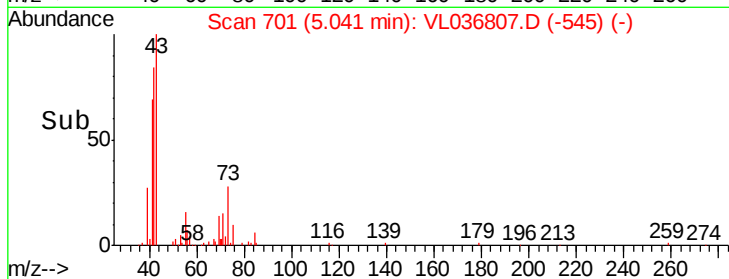
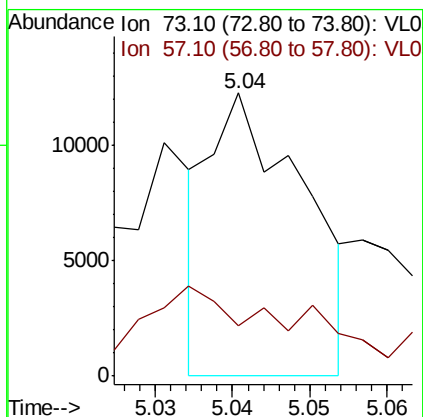
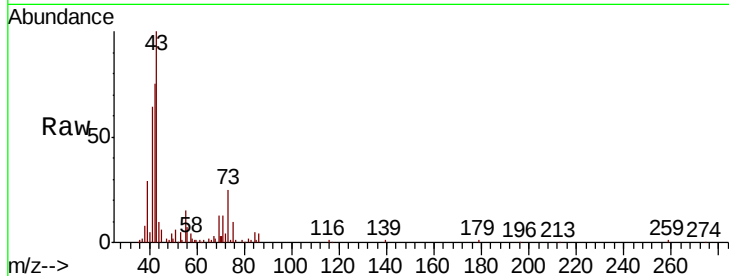
Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





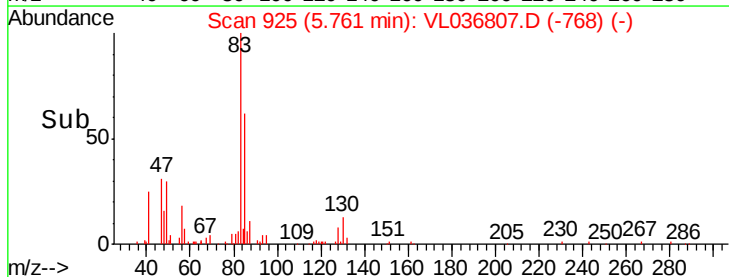
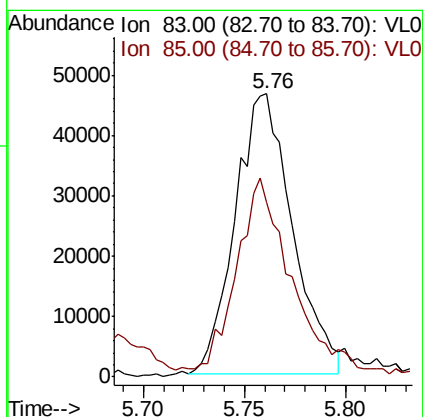
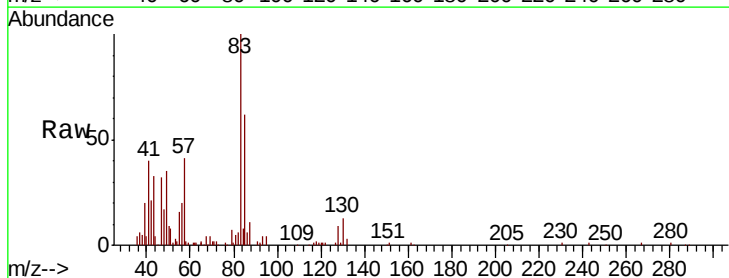
#28
Methvl tert-Butvl Ether
Concen: 0.057 ppbv
RT: 5.04 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 17:30

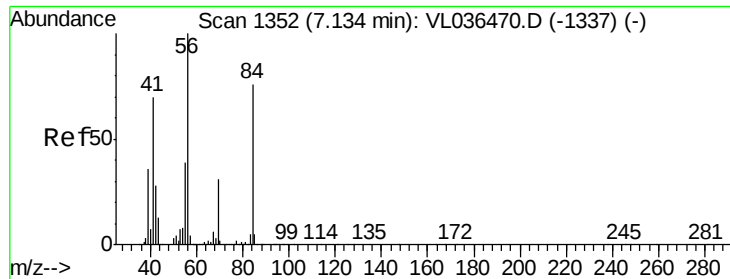
Tot Ion: 73 Resp: 10367
Ion Ratio Lower Upper
73 100
57 0.0 18.5 27.7#



#29
Chloroform
Concen: 0.372 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.01 min
Lab File: VL036807.D
Acq: 13 Apr 2021 17:36

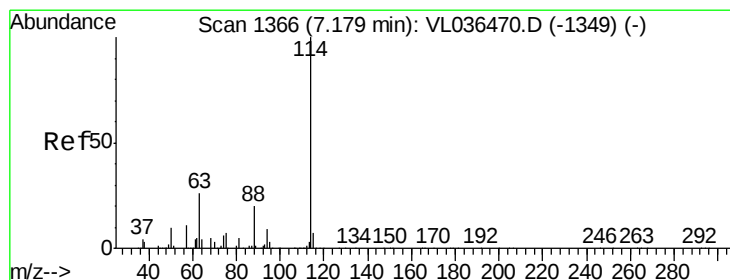
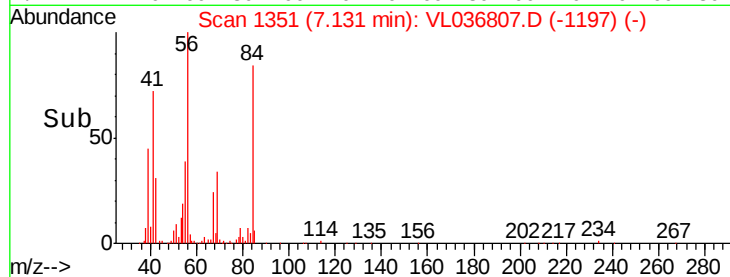
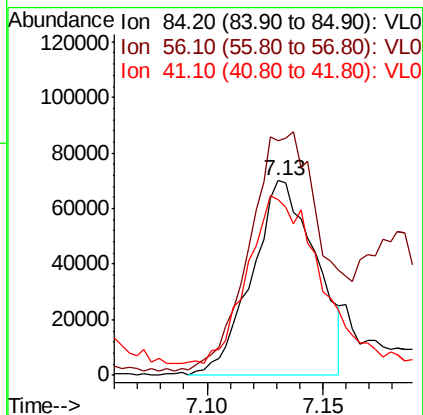
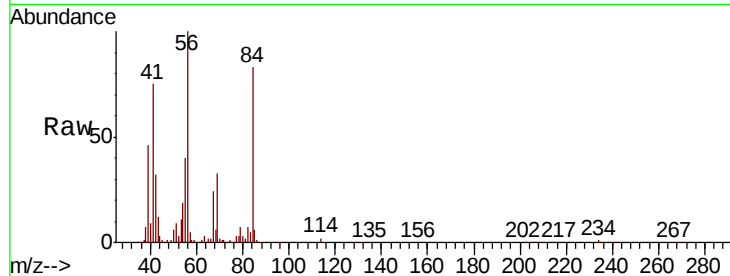
Tgt Ion: 83 Resp: 91729
Ion Ratio Lower Upper
83 100
85 59.6 52.6 78.8





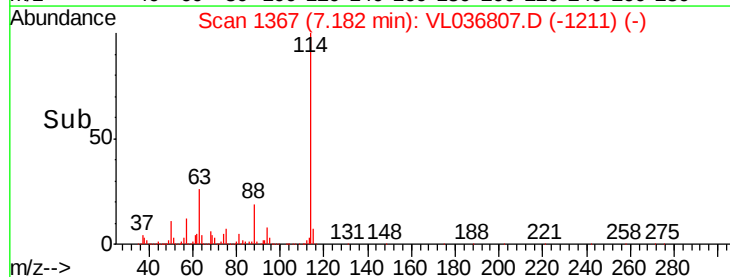
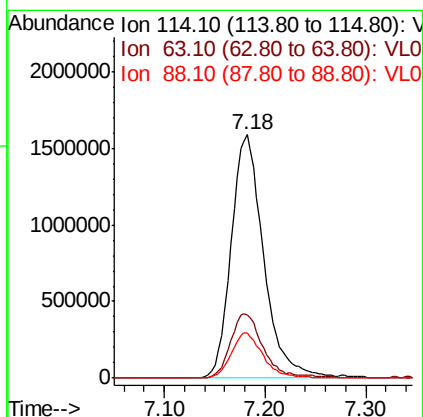
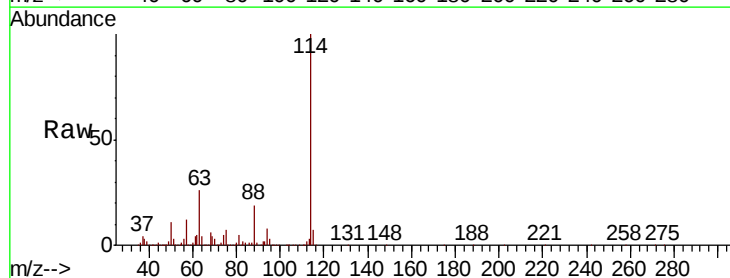
#30
Cyclohexane
Concen: 1.062 ppbv
RT: 7.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 17:36

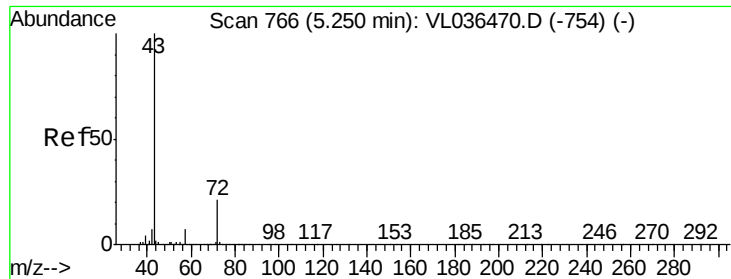
Tot Ion	84	Resp	132653
Ion Ratio	Lower	Upper	
84	100		
56	143.8	114.6	171.8
41	99.8	75.3	112.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T.: 0.00 min
Lab File: VL036807.D
Acq: 13 Apr 2021 17:36

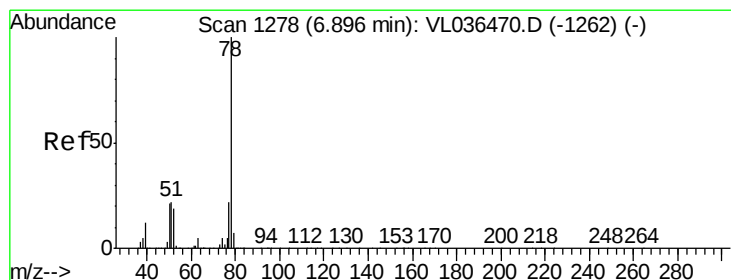
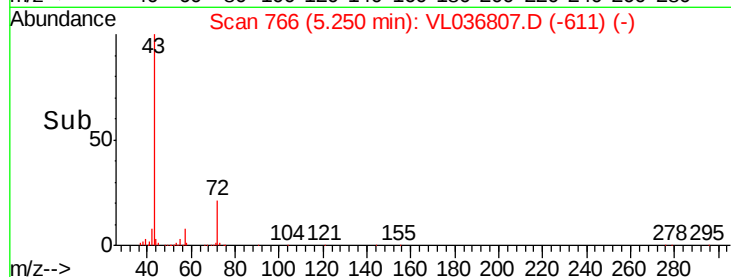
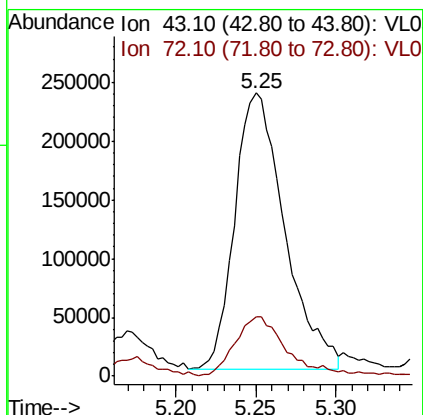
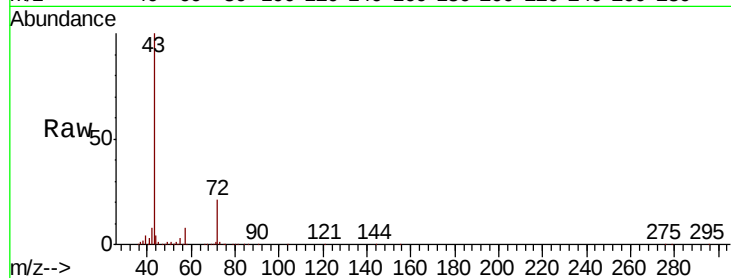
Tgt Ion	114	Resp	3552681
Ion Ratio	Lower	Upper	
114	100		
63	27.3	22.4	33.6
88	18.4	15.4	23.0





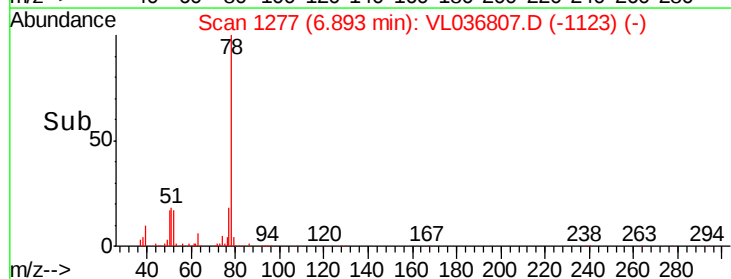
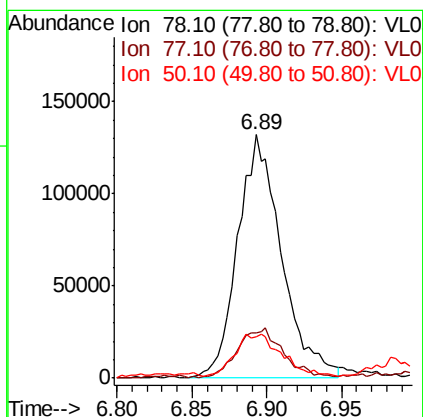
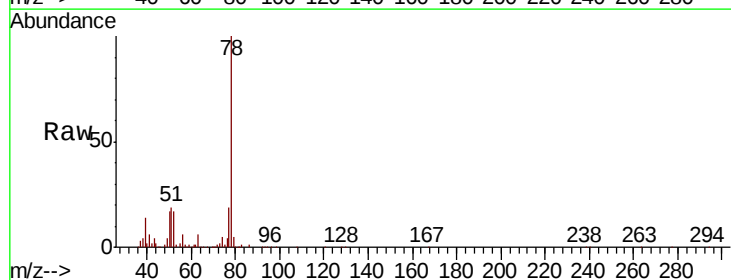
#34
 2-Butanone
 Concen: 2.894 ppbv
 RT: 5.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 17:36

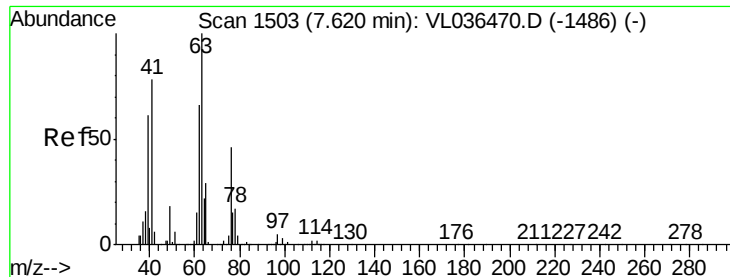
Tot Ion: 43 Resp: 501859
 Ion Ratio Lower Upper
 43 100
 72 22.7 17.0 25.6



#36
 Benzene
 Concen: 0.813 ppbv
 RT: 6.89 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VL036807.D
 Acq: 13 Apr 2021 17:36

Tgt Ion: 78 Resp: 266519
 Ion Ratio Lower Upper
 78 100
 77 18.5 18.0 27.0
 50 16.6 16.5 24.7





#39

1,2-Dichloropropane

Concen: 0.140 ppbv

RT: 7.23 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 17:30

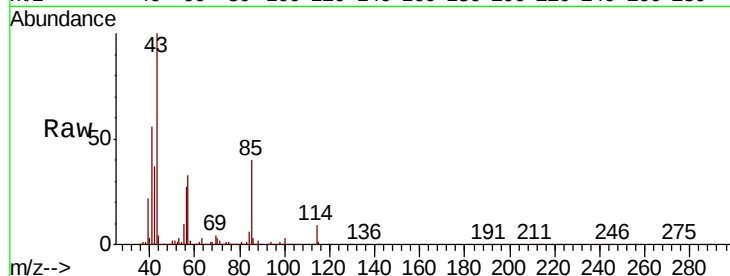
Tot Ion: 63 Resp: 18674

Ion Ratio Lower Upper

63 100

41 1619.1 62.4 93.6#

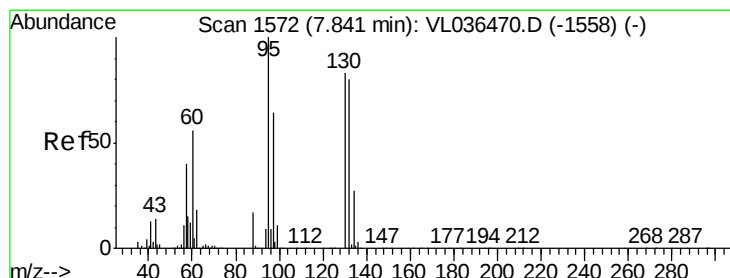
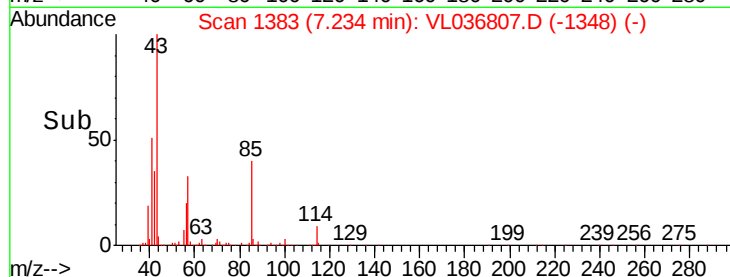
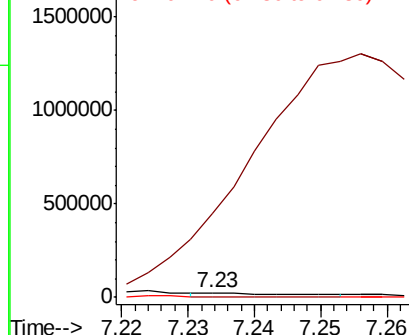
62 9.0 52.8 79.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.073 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL036807.D

Acq: 13 Apr 2021 17:36

Tgt Ion: 88 Resp: 2243

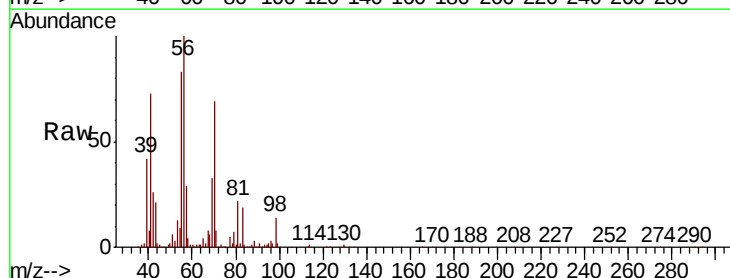
Ion Ratio Lower Upper

88 100

58 0.0 134.1 201.1#

43 0.0 346.6 520.0#

57 0.0 1481.8 2222.8#

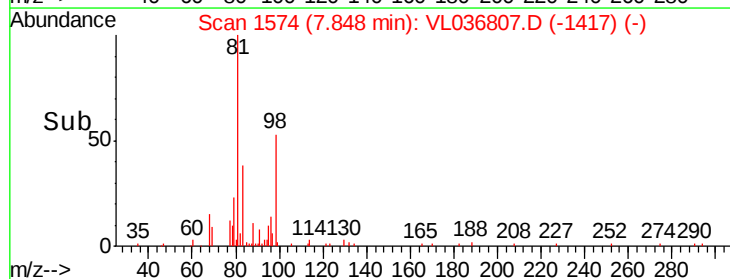
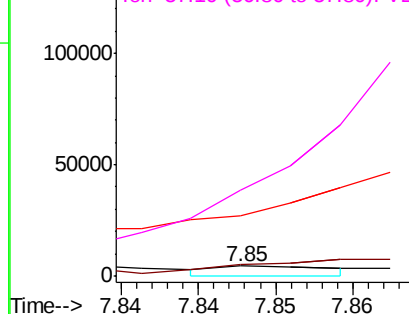


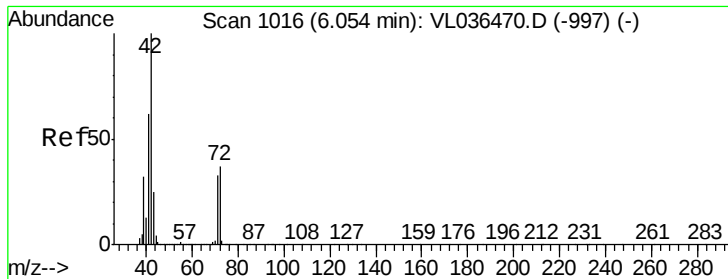
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

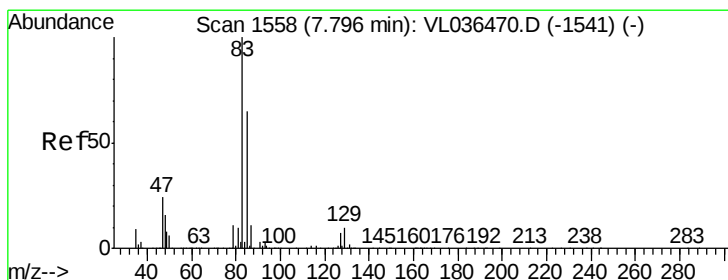
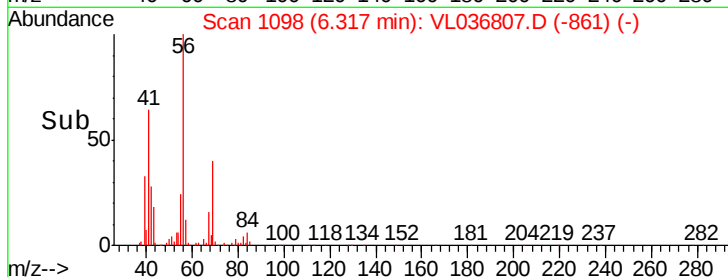
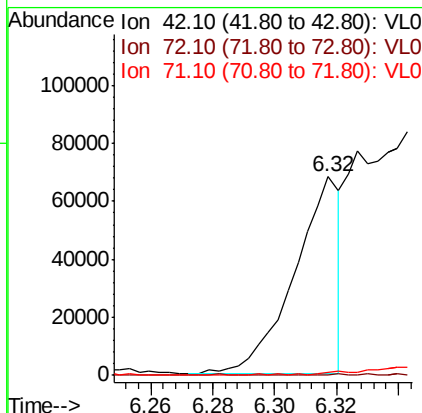
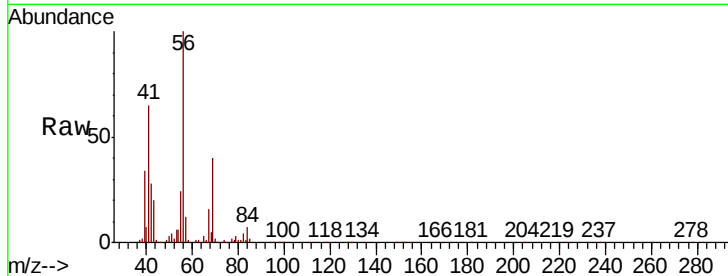
Ion 57.10 (56.80 to 57.80): VL0





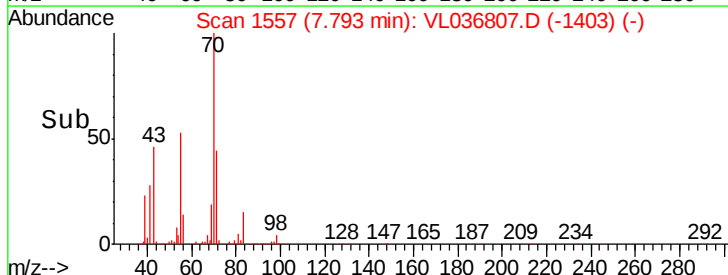
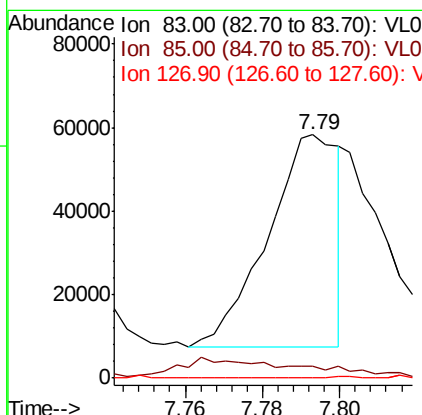
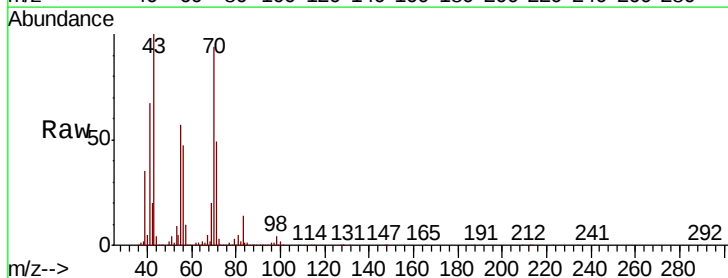
#41
 Tetrahydrofuran
 Concen: 0.867 ppbv
 RT: 6.32
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 17:30

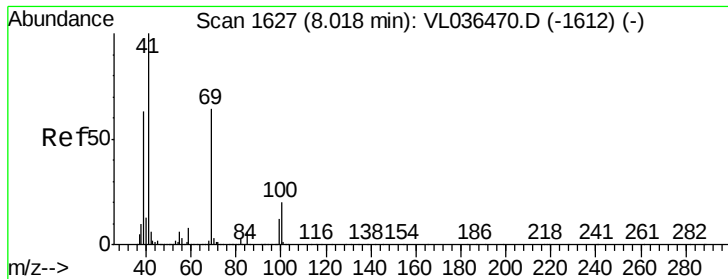
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.7	27.6	41.4#
71	6.1	27.0	40.4#



#42
 Bromodichloromethane
 Concen: 0.246 ppbv
 RT: 7.79 min Scan# 1557
 Delta R.T.: -0.00 min
 Lab File: VL036807.D
 Acq: 13 Apr 2021 17:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	0.6	51.8	77.6#
127	0.4	5.8	8.8#





#43

Methyl Methacrylate

Concen: 0.190 ppbv

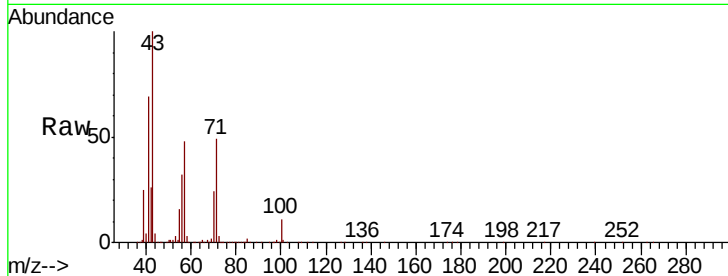
RT: 8.12 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File:

Acq: 13 Apr 2021 17:36

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	126.8	190.2#
100	0.0	24.9	37.3#

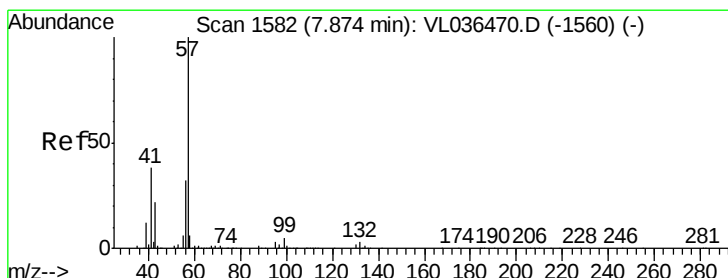
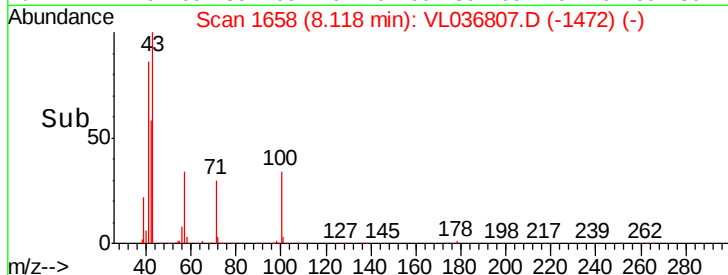
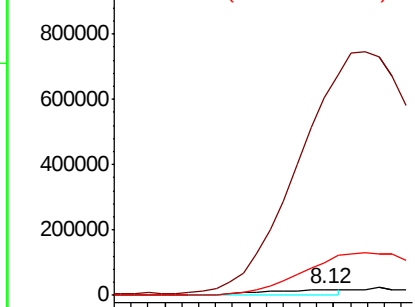


Abundance

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: 0.549 ppbv

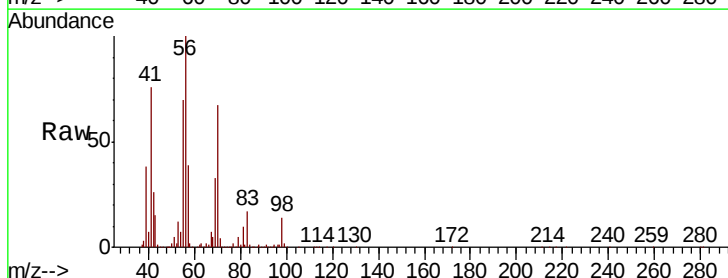
RT: 7.87 min Scan# 1582

Delta R.T. -0.00 min

Lab File: VL036807.D

Acq: 13 Apr 2021 17:36

Tgt Ion	Ratio	Lower	Upper
57	100		
41	218.3	28.8	43.2#
56	297.6	26.1	39.1#

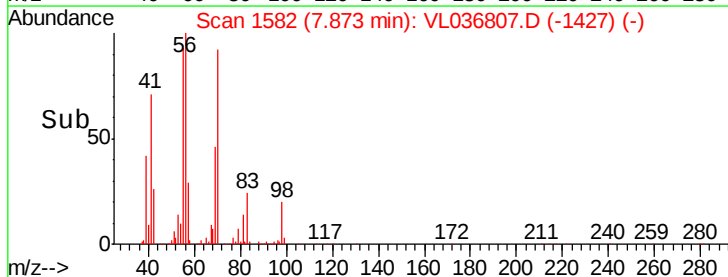
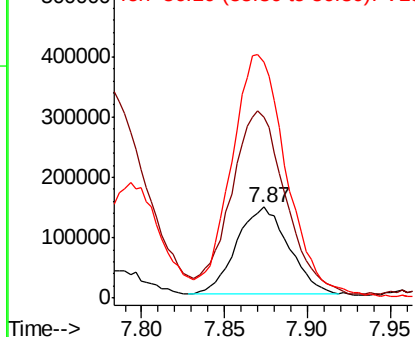


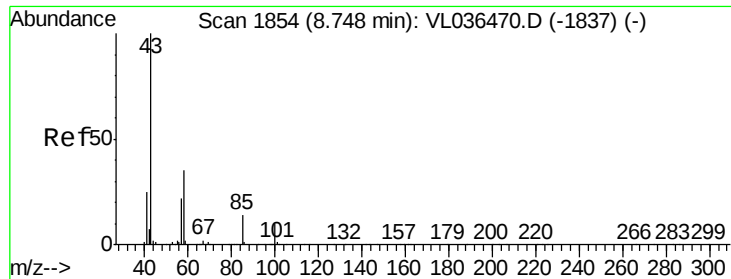
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

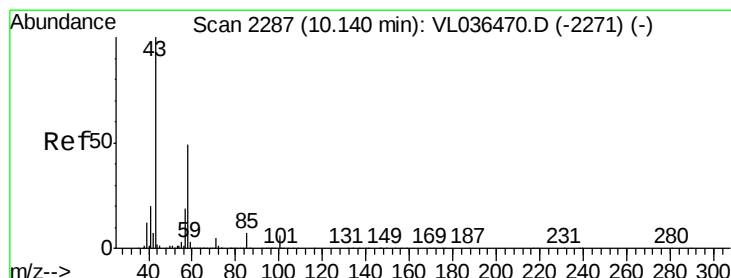
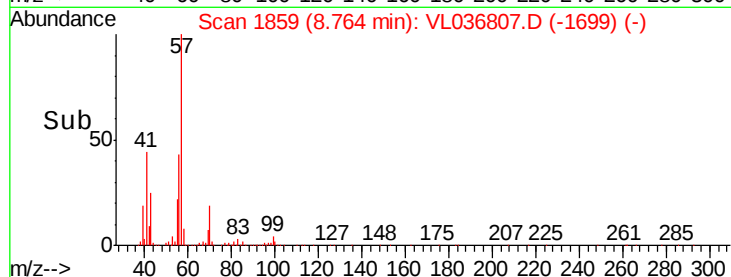
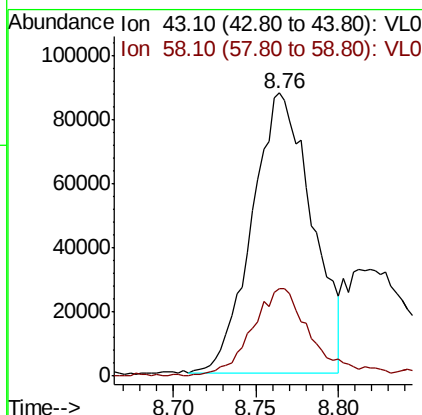
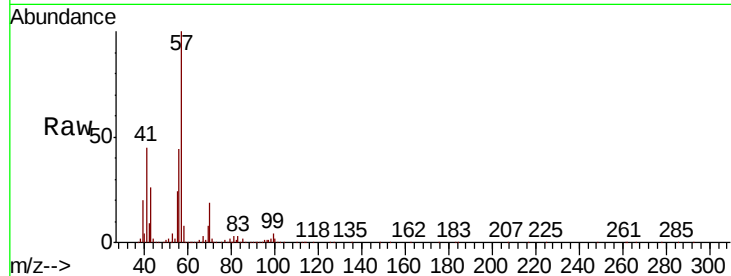
Ion 56.10 (55.80 to 56.80): VL0





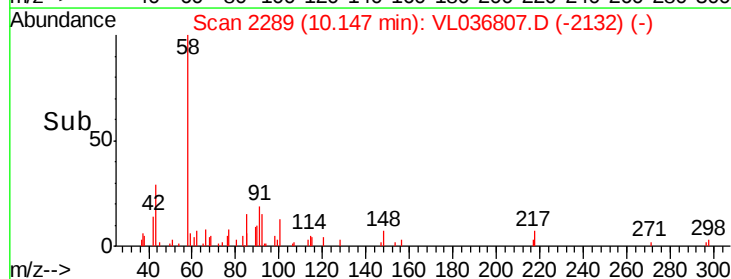
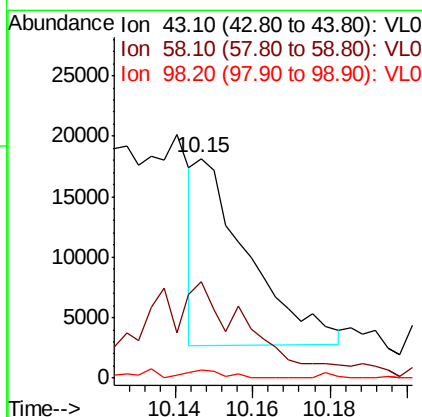
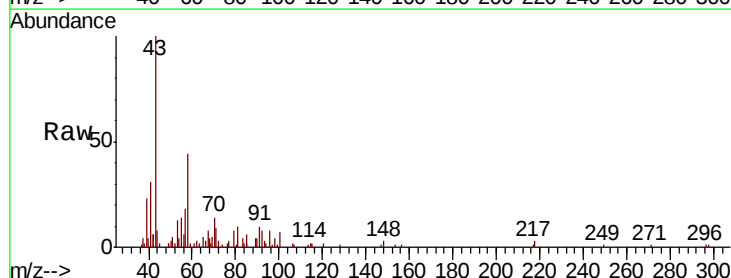
#50
 4-Methyl-2-Pentanone
 Concen: 0.878 ppbv
 RT: 8.76 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 17:36

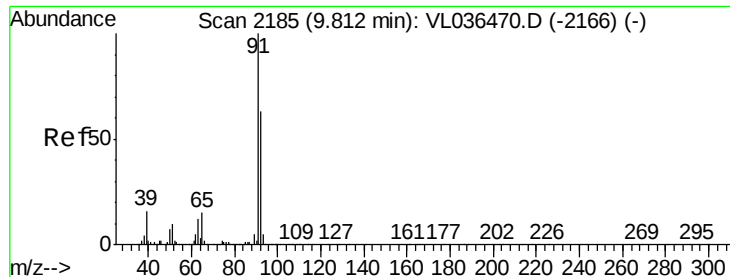
Tot Ion: 43 Resp: 220233
 Ion Ratio Lower Upper
 43 100
 58 31.2 28.2 42.2



#51
 2-Hexanone
 Concen: 0.115 ppbv
 RT: 10.15 min Scan# 2289
 Delta R.T.: 0.01 min
 Lab File: VL036807.D
 Acq: 13 Apr 2021 17:36

Tgt Ion: 43 Resp: 14579
 Ion Ratio Lower Upper
 43 100
 58 119.4 37.7 56.5#
 98 0.0 0.2 0.2#





#53

Toluene

Concen: 7.314 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

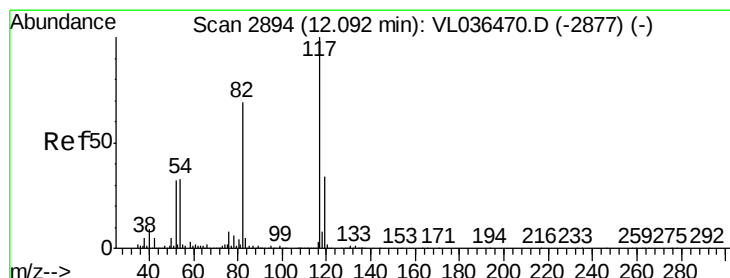
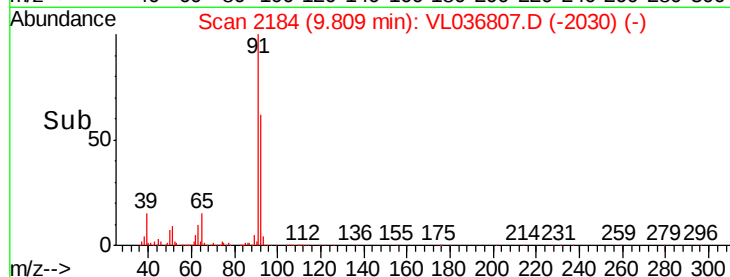
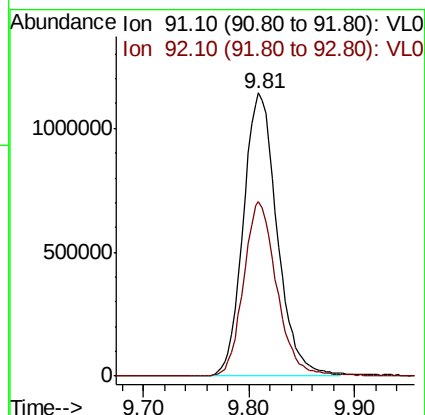
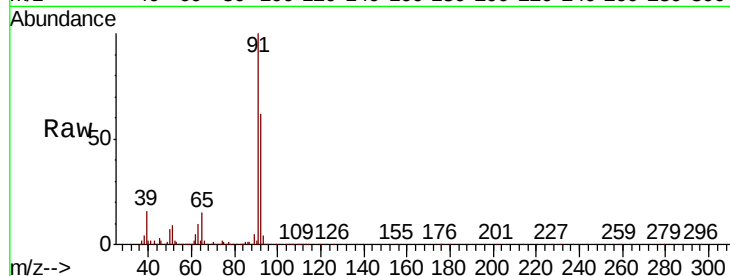
Acq: 13 Apr 2021 17:30

Tot Ion: 91 Resp: 2552105

Ion Ratio Lower Upper

91 100

92 60.9 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL036807.D

Acq: 13 Apr 2021 17:36

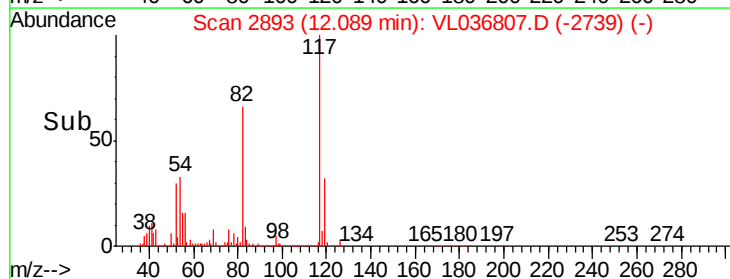
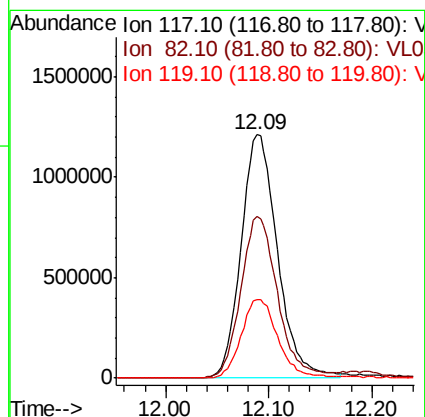
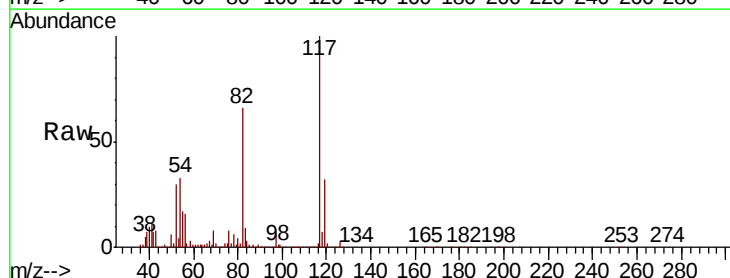
Tgt Ion: 117 Resp: 2978419

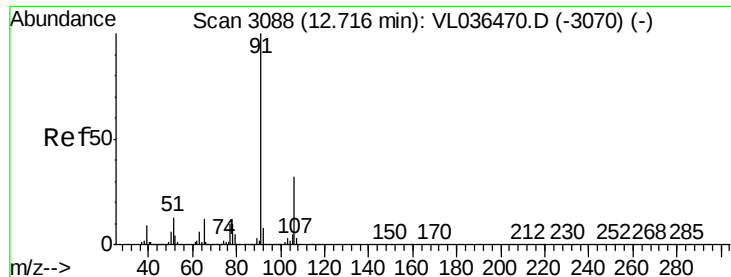
Ion Ratio Lower Upper

117 100

82 67.3 57.4 86.0

119 33.4 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.953 ppbv

RT: 12.71 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

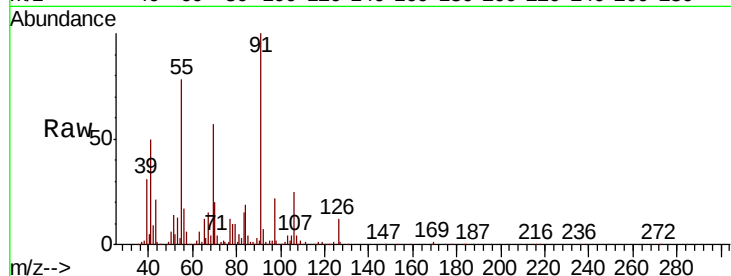
Acq: 13 Apr 2021 17:36

Tot Ion: 91 Resp: 412793

Ion Ratio Lower Upper

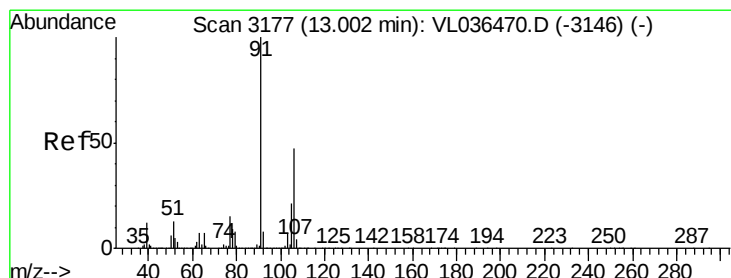
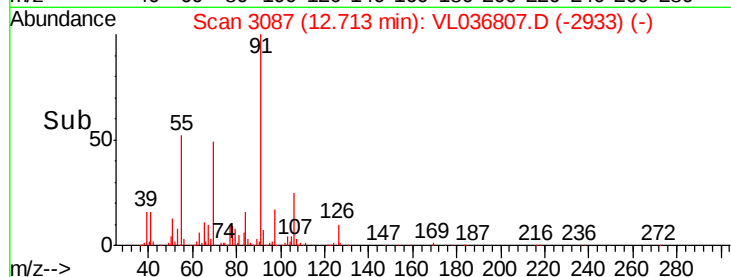
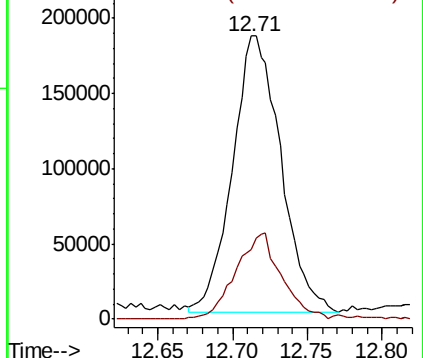
91 100

106 24.8 25.3 37.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 2.809 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.03 min

Lab File: VL036807.D

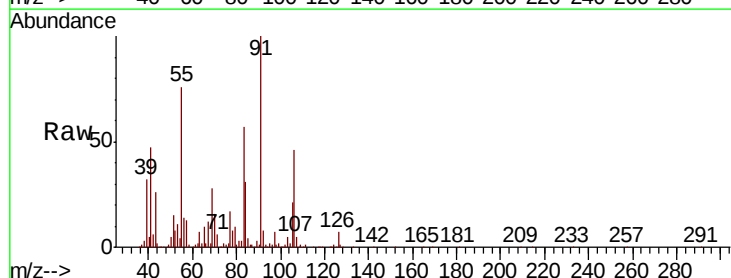
Acq: 13 Apr 2021 17:36

Tgt Ion: 91 Resp: 1061834

Ion Ratio Lower Upper

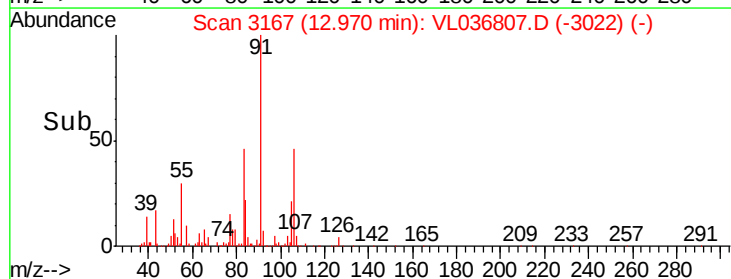
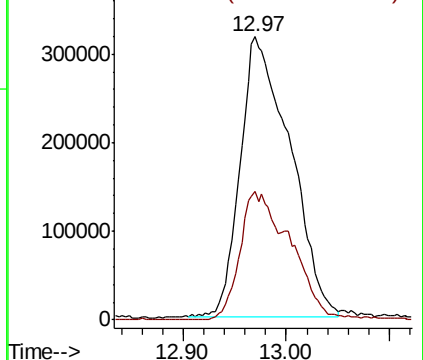
91 100

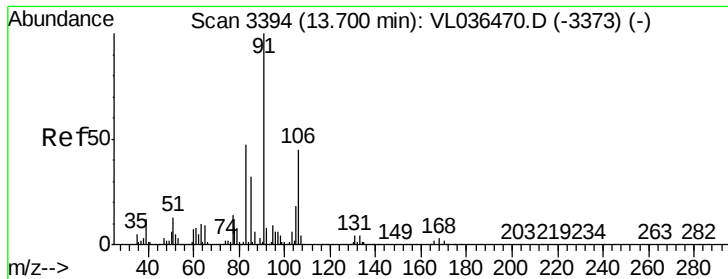
106 47.4 35.3 52.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

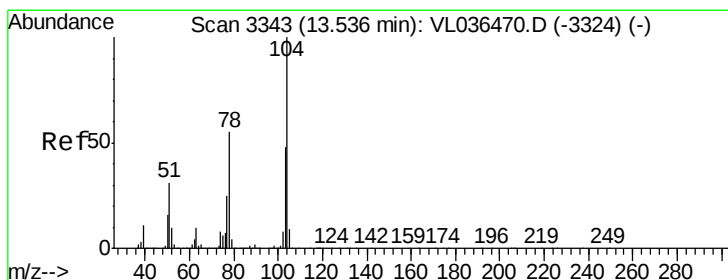
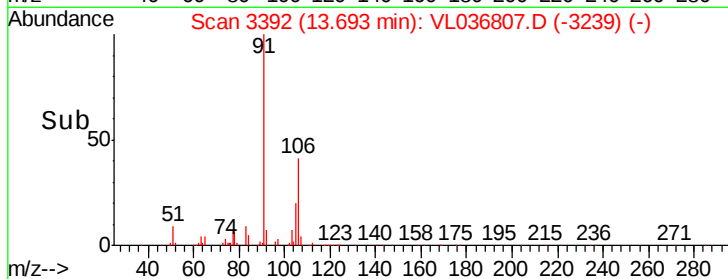
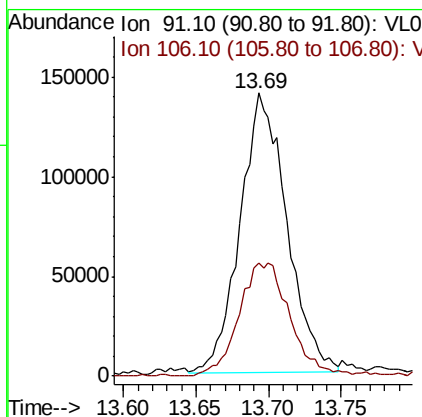
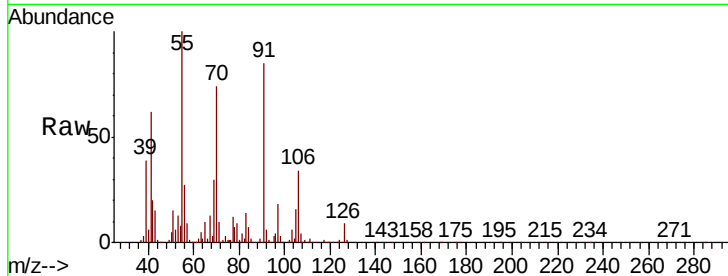
Ion 106.10 (105.80 to 106.80): V





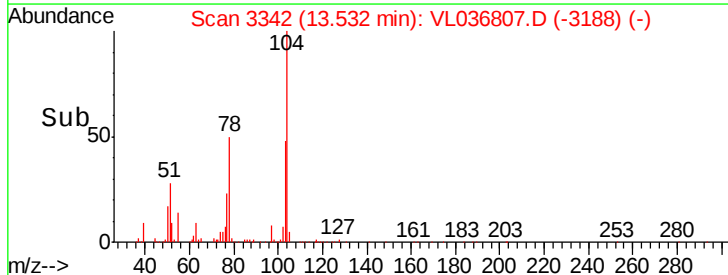
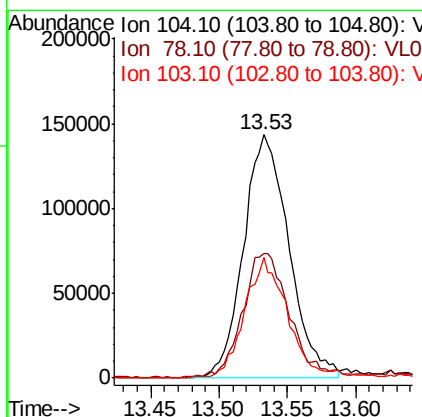
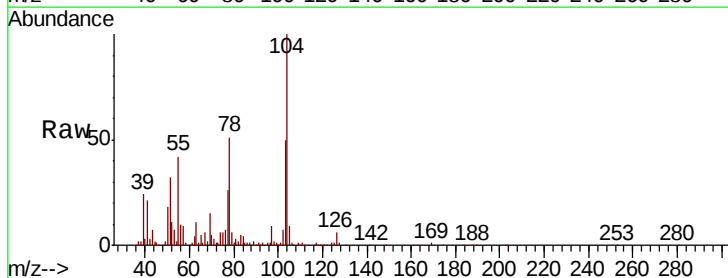
#60
o-Xylene
Concen: 0.860 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 17:36

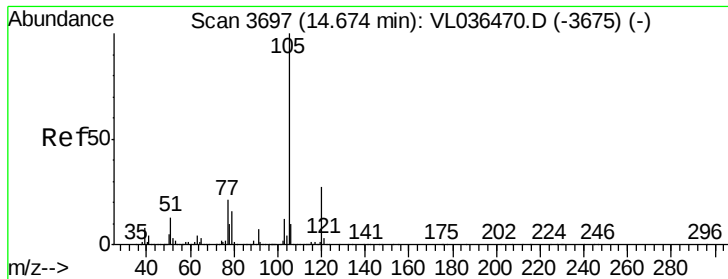
Tot Ion: 91 Resp: 314180
Ion Ratio Lower Upper
91 100
106 44.7 22.3 66.9



#61
Styrene
Concen: 1.807 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL036807.D
Acq: 13 Apr 2021 17:36

Tgt Ion: 104 Resp: 332142
Ion Ratio Lower Upper
104 100
78 52.8 43.8 65.8
103 47.9 38.3 57.5





#62

Isopropylbenzene

Concen: 12.930 ppbv

RT: 14.68

Delta R.T. MSVOA_L

Lab File:

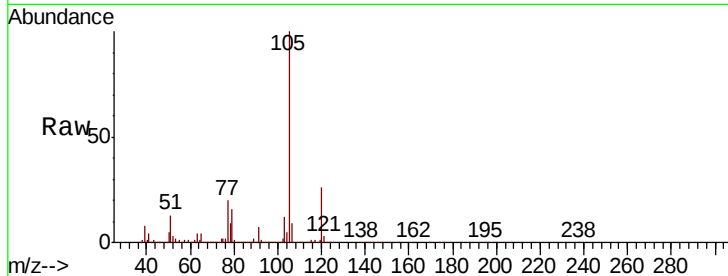
Acq: 13 Apr 2021 17:30

Tot Ion: 105 Resp: 6363378

Ion Ratio Lower Upper

105 100

120 26.4 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

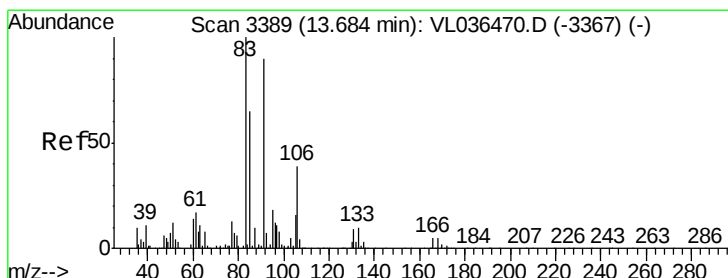
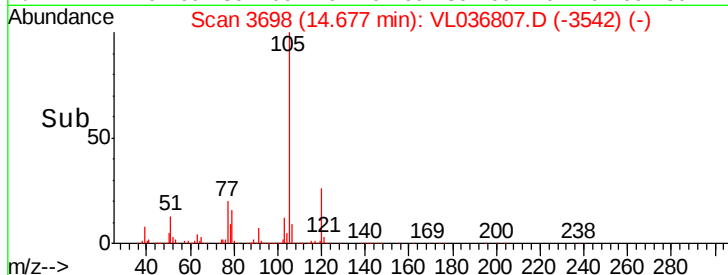
0

14.60

14.68

14.70

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 0.034 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VL036807.D

Acq: 13 Apr 2021 17:36

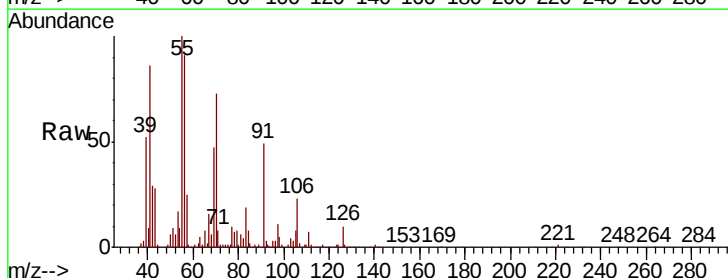
Tgt Ion: 83 Resp: 9546

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.0#

85 0.0 33.1 99.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

30000

25000

20000

15000

10000

5000

0

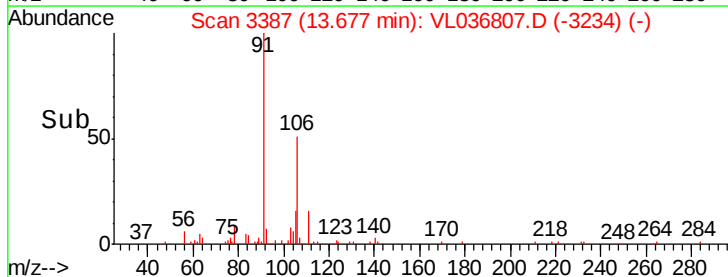
13.67

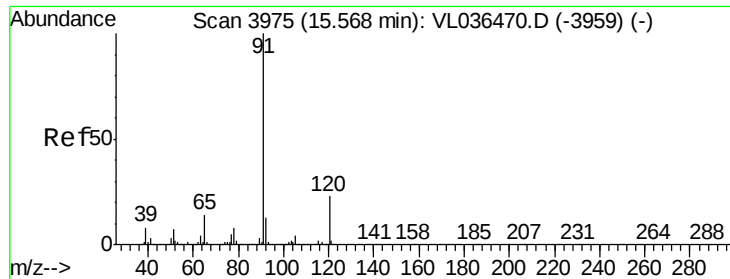
13.68

13.68

13.69

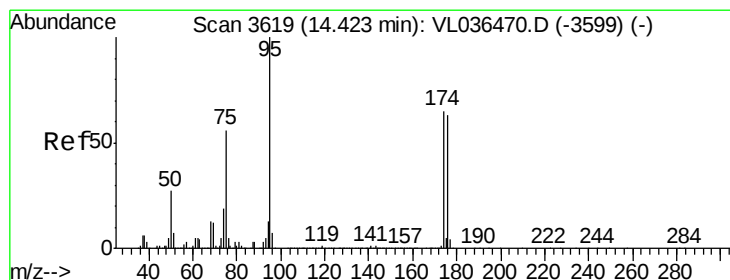
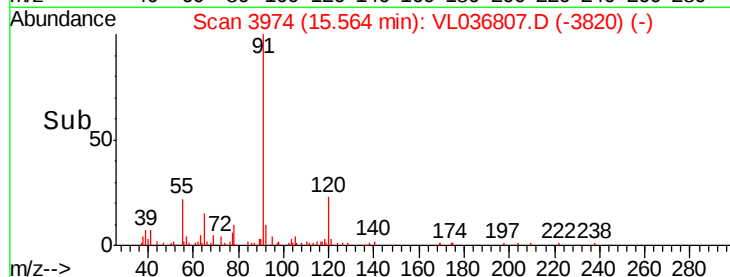
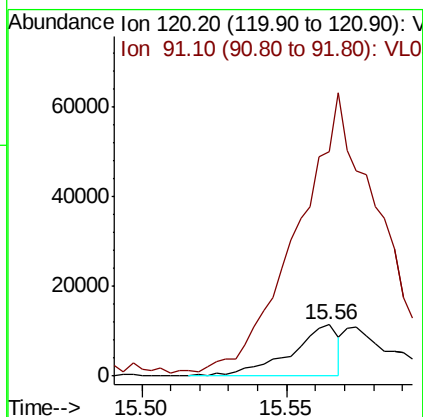
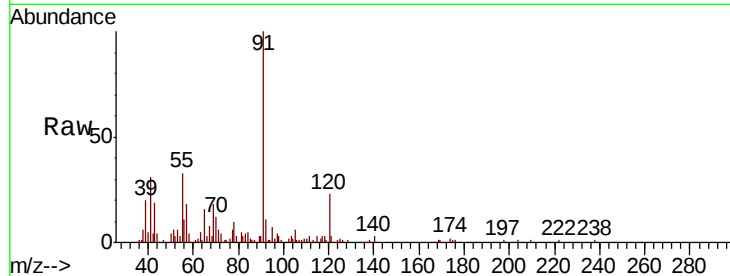
Time-->





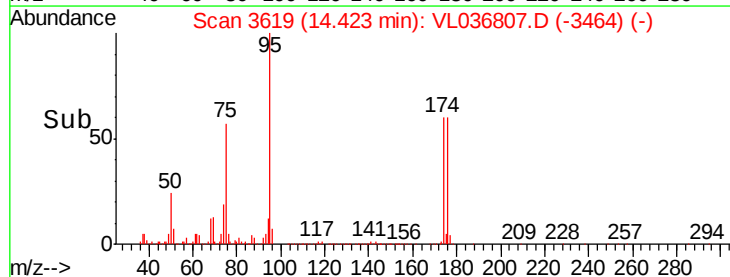
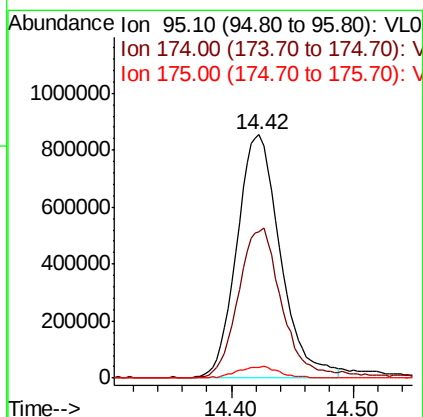
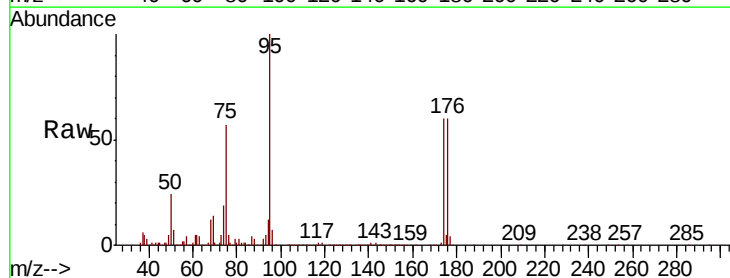
#64
 n-propylbenzene
 Concen: 0.109 ppbv
 RT: 15.56 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 17:30

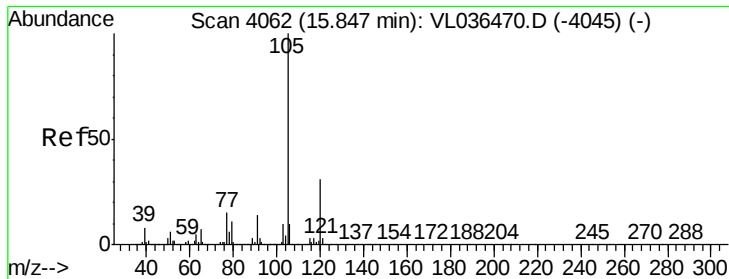
Tot Ion: 120 Resp: 13168
 Ion Ratio Lower Upper
 120 100
 91 943.7 377.4 566.2#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.828 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T.: -0.00 min
 Lab File: VL036807.D
 Acq: 13 Apr 2021 17:36

Tgt Ion: 95 Resp: 2095690
 Ion Ratio Lower Upper
 95 100
 174 64.2 51.0 76.6
 175 4.9 3.9 5.9





#72

4-Ethyltoluene

Concen: 0.335 ppbv

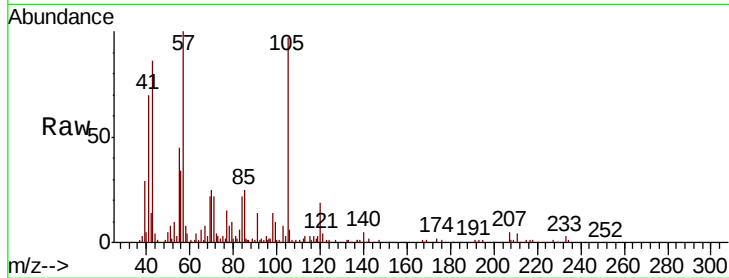
RT: 15.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 17:30

Tot Ion:	105	Resp:	134020
Ion	Ratio	Lower	Upper
105	100		
120	26.2	24.0	36.0
91	13.3	11.0	16.4
77	17.3	11.7	17.5



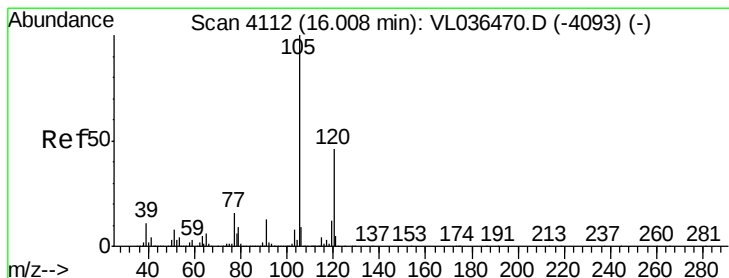
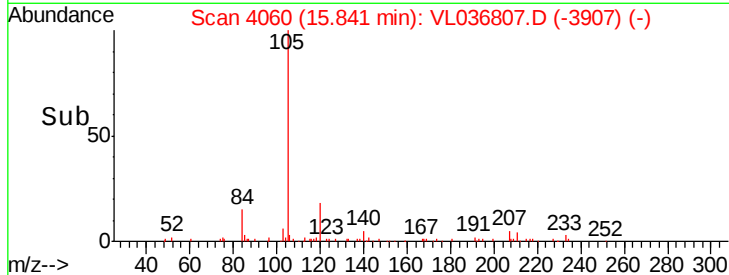
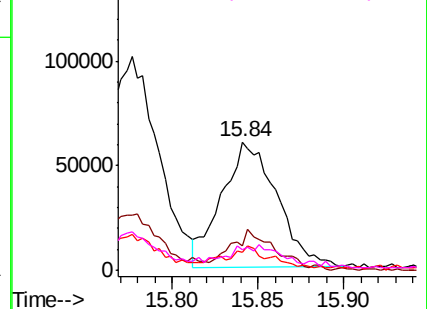
Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.049 ppbv

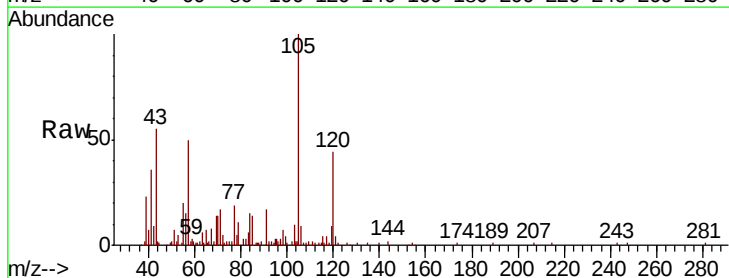
RT: 16.00 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL036807.D

Acq: 13 Apr 2021 17:36

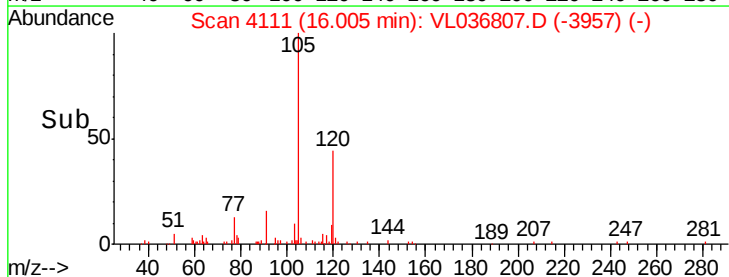
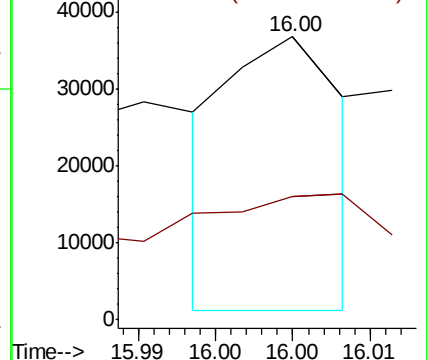
Tgt Ion:	105	Resp:	18285
Ion	Ratio	Lower	Upper
105	100		
120	22.1	36.6	54.8#

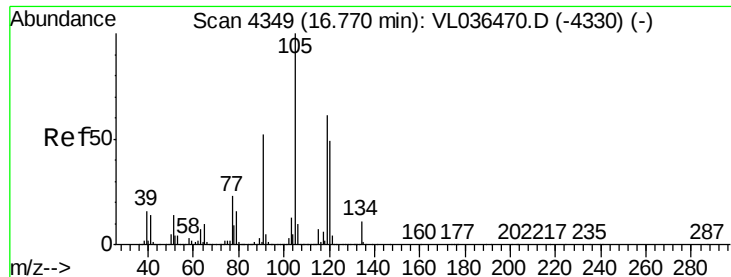


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.699 ppbv
 RT: 16.77
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 17:30

Tot Ion:	105	Resp:	279712
Ion Ratio	Lower	Upper	
105	100		
120	44.9	39.2	58.8
91	7.6	42.6	64.0#
77	12.6	18.6	28.0#

