

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036869.D
 Acq On : 27 Apr 2021 22:30
 Operator : SY/AP
 Sample : M2172-05
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 28 05:27:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1564340	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	3624955	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3315983	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2568315	9.65	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

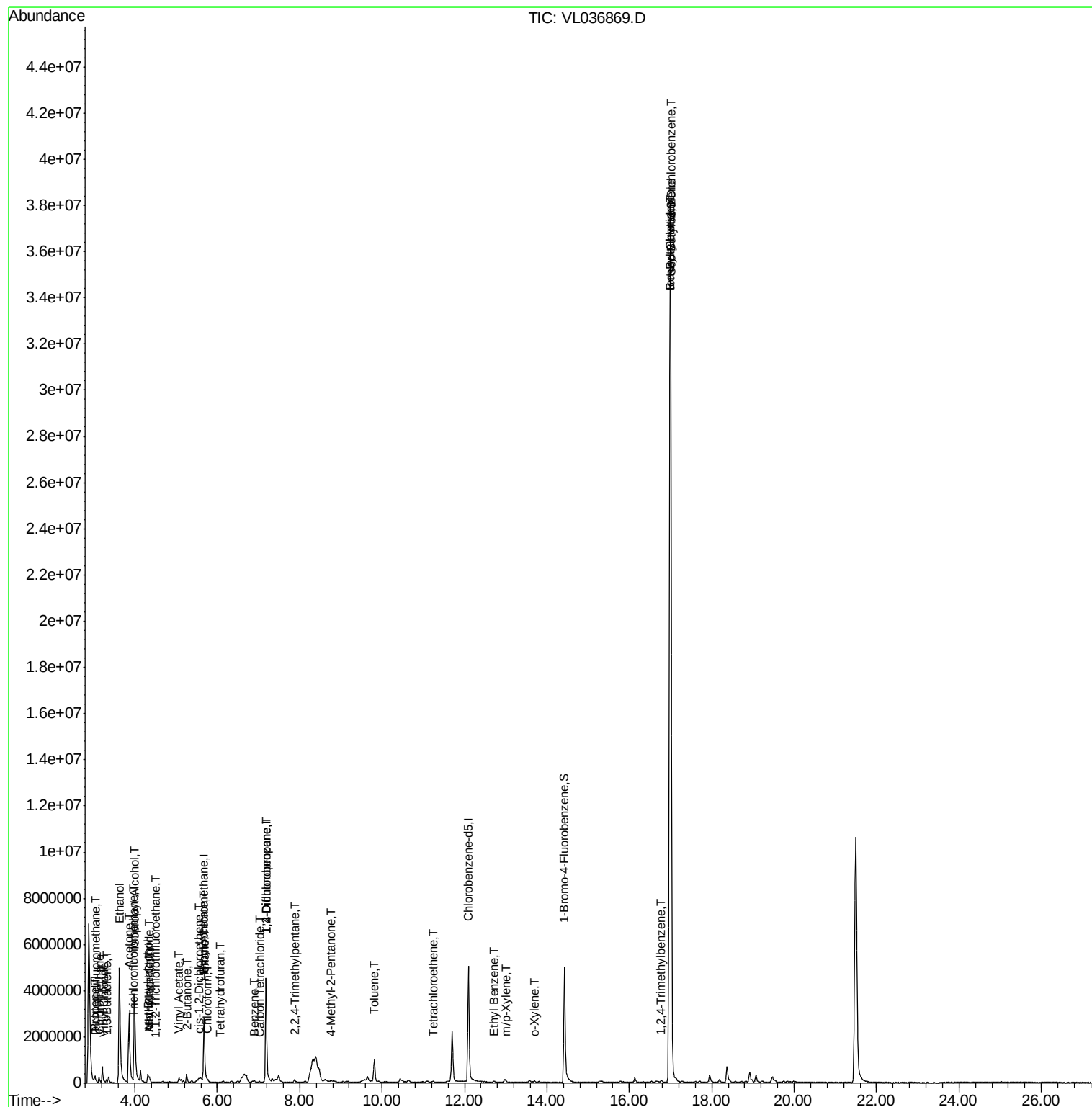
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	60290	0.245	ppbv 99
4) Chloromethane	3.15	50	44286	0.473	ppbv 97
5) Vinyl Chloride	3.27	62	2860	0.030	ppbv # 41
9) Propene	3.02	41	40197	0.463	ppbv # 47
11) Trichlorofluoromethane	3.96	101	46921	0.213	ppbv 88
12) 1,1,2-Trichlorotrifluoroet	4.49	101	8003	0.054	ppbv # 78
13) Ethanol	3.62	45	7317196	660.802	ppbv 93
15) Acetone	3.85	43	4241677	28.769	ppbv 97
16) 1,3-Butadiene	3.31	39	43996	0.467	ppbv # 24
17) tert-Butyl alcohol	4.31	59	322210	2.692	ppbv # 93
19) Isopropyl Alcohol	3.99	45	5401355	73.936	ppbv # 96
20) Methylene Chloride	4.35	84	53960	0.765	ppbv # 85
21) Allyl Chloride	4.36	41	9756	0.089	ppbv # 17
23) Vinyl Acetate	5.07	43	171111	0.853	ppbv # 85
25) Ethyl Acetate	5.68	43	54074	0.150	ppbv # 64
26) Hexane	5.69	57	58760	0.349	ppbv # 81
29) Chloroform	5.75	83	38436	0.146	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	39112	0.259	ppbv # 88
34) 2-Butanone	5.25	43	434316	2.735	ppbv 97
35) Carbon Tetrachloride	7.02	117	14543	0.059	ppbv # 91
36) Benzene	6.89	78	31041	0.102	ppbv 96
39) 1,2-Dichloropropane	7.18	63	964716	7.884	ppbv # 25
41) Tetrahydrofuran	6.06	42	3671	0.053	ppbv # 38
44) 2,2,4-Trimethylpentane	7.88	57	65782	0.126	ppbv # 51
50) 4-Methyl-2-Pentanone	8.76	43	35997	0.166	ppbv 97
52) Tetrachloroethene	11.24	164	3940	0.038	ppbv # 55
53) Toluene	9.82	91	313898	0.982	ppbv 99
58) Ethyl Benzene	12.72	91	24035	0.057	ppbv 93
59) m/p-Xylene	13.01	91	21021	0.056	ppbv # 31
60) o-Xylene	13.70	91	48874	0.134	ppbv 93
65) tert-Butylbenzene	17.00	119	632722	1.447	ppbv # 23
66) Benzyl Chloride	17.00	91	2255	0.053	ppbv # 66
67) sec-Butylbenzene	17.02	105	24663	0.041	ppbv # 29
74) 1,2,4-Trimethylbenzene	16.78	105	62126	0.155	ppbv # 65
75) 1,3-Dichlorobenzene	17.01	146	49516	0.208	ppbv # 23

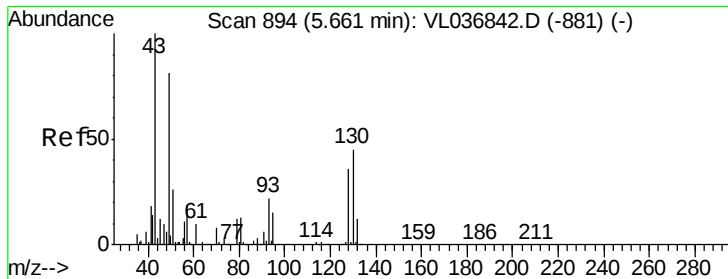
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042721\
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Quant Time: Apr 28 05:27:10 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 22:30

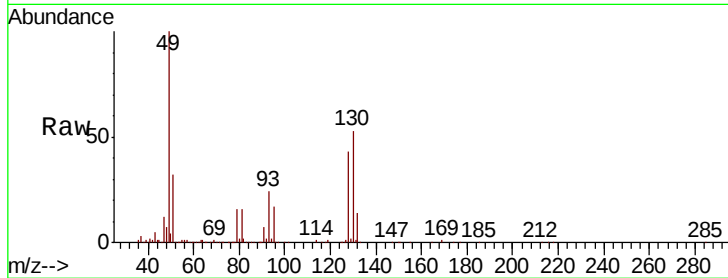
Tot Ion: 49 Resp: 1564340

Ion Ratio Lower Upper

49 100

128 45.7 24.4 73.2

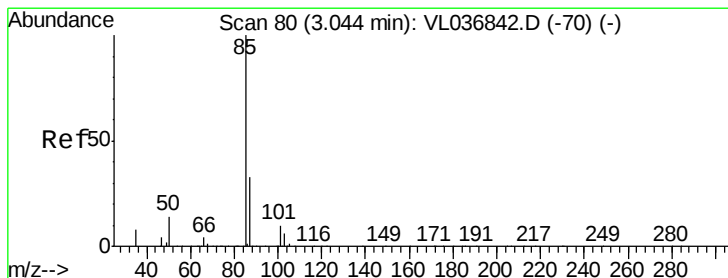
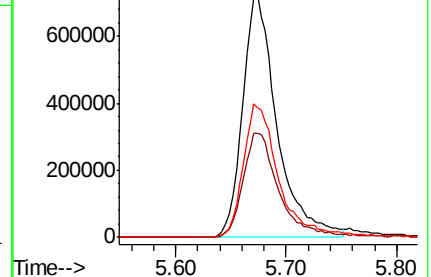
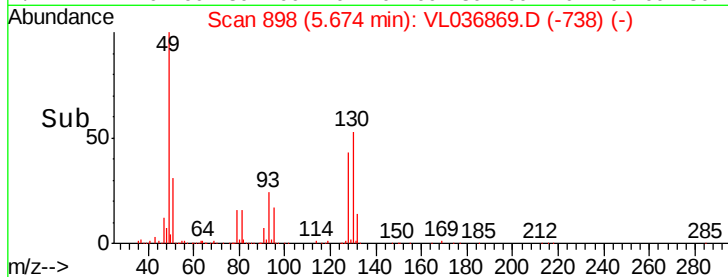
130 57.2 30.3 90.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.245 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036869.D

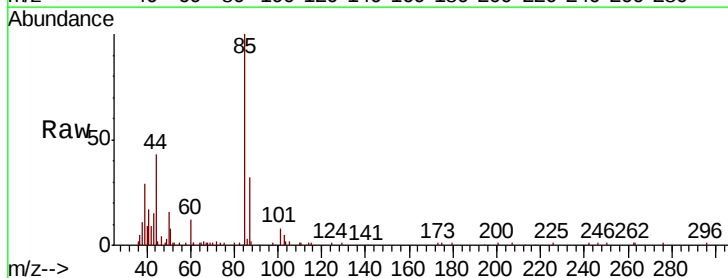
Acq: 27 Apr 2021 22:30

Tgt Ion: 85 Resp: 60290

Ion Ratio Lower Upper

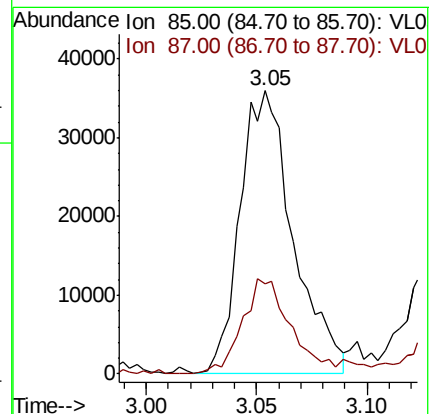
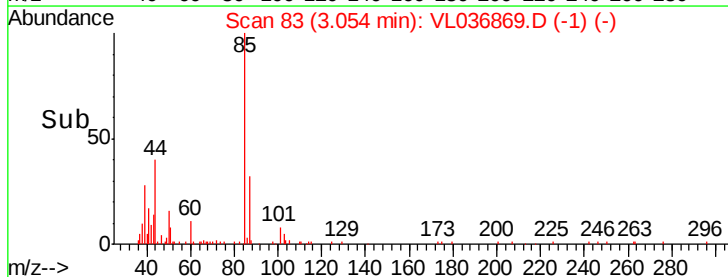
85 100

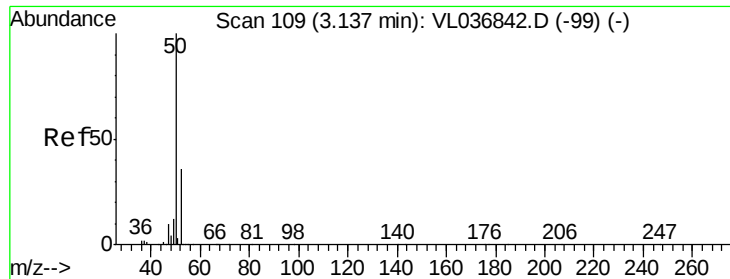
87 32.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.473 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

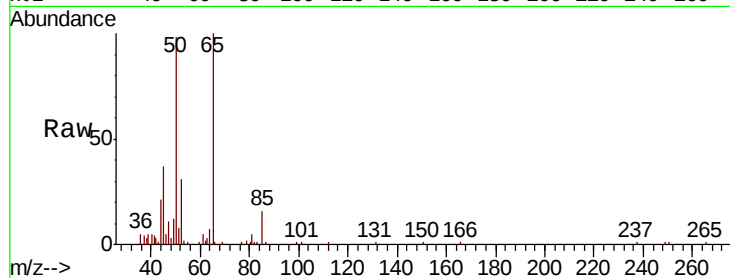
Acq: 27 Apr 2021 22:30

Tot Ion: 50 Resp: 44286

Ion Ratio Lower Upper

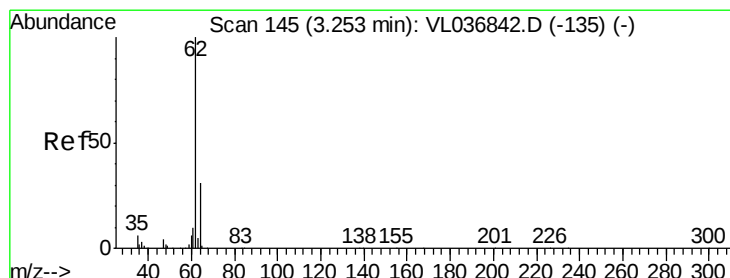
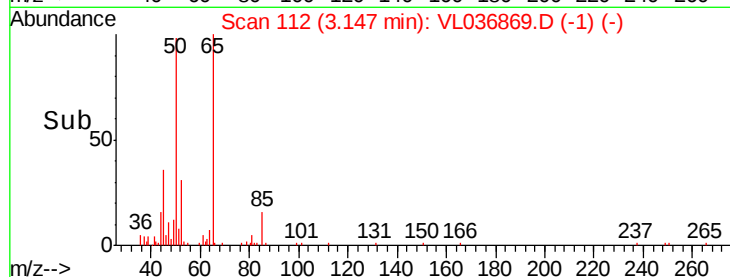
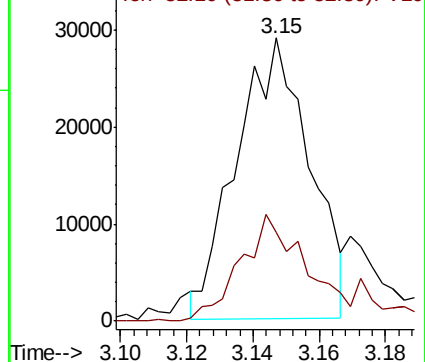
50 100

52 33.7 28.5 42.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#5

Vinyl Chloride

Concen: 0.030 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL036869.D

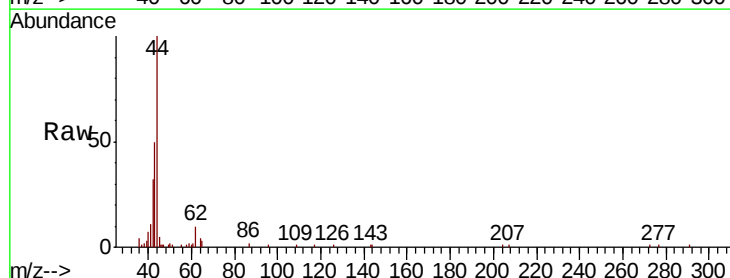
Acq: 27 Apr 2021 22:30

Tgt Ion: 62 Resp: 2860

Ion Ratio Lower Upper

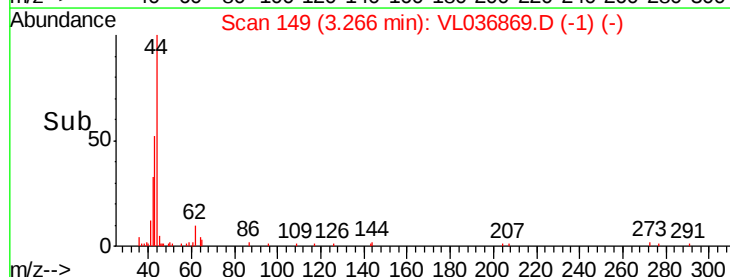
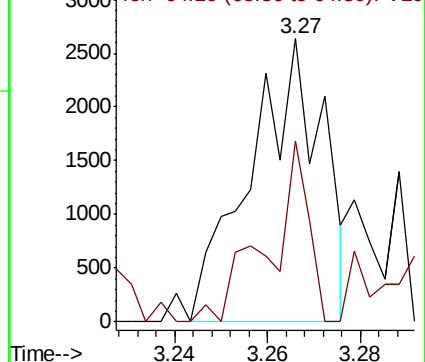
62 100

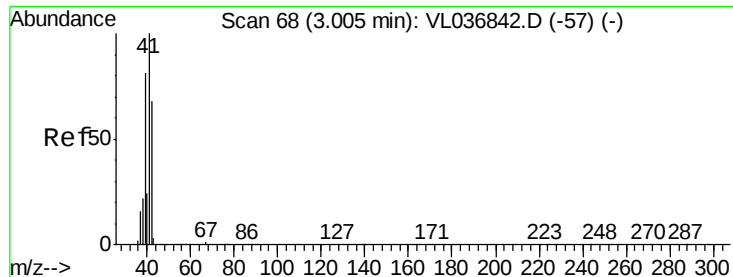
64 63.9 25.0 37.4#



Abundance Ion 62.10 (61.80 to 62.80): VL0

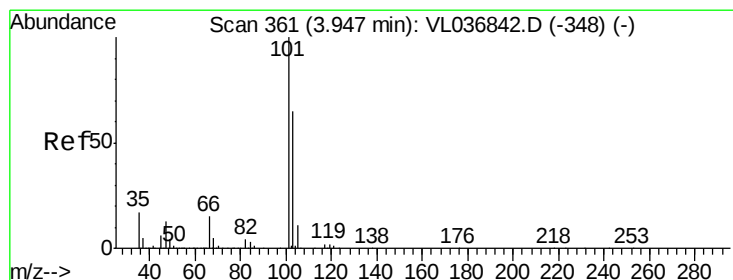
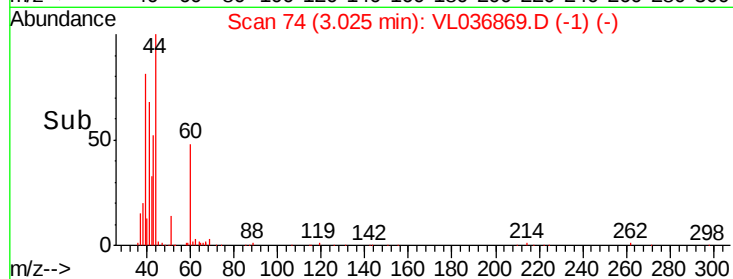
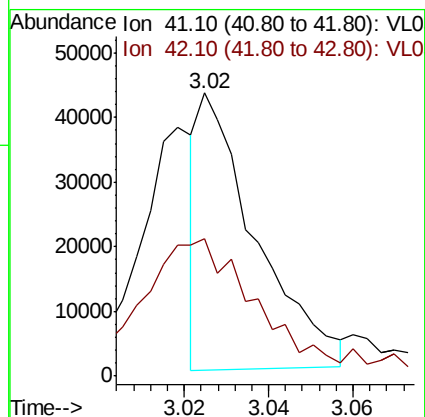
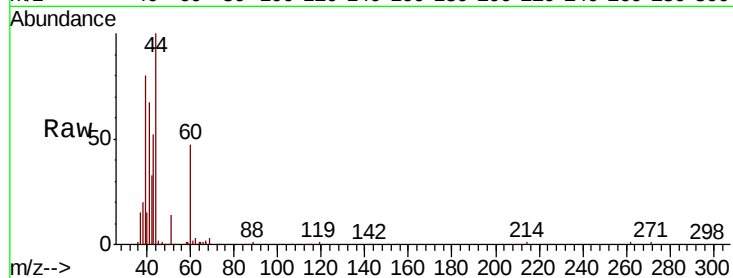
Ion 64.10 (63.80 to 64.80): VL0





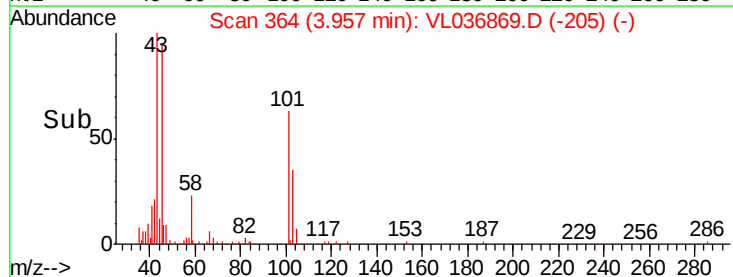
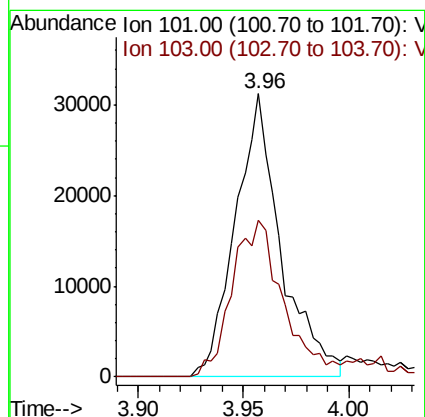
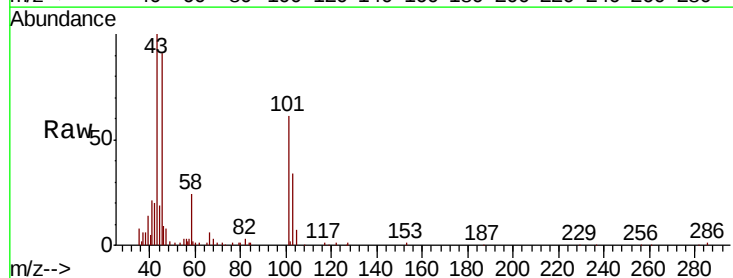
#9
 Propene
 Concen: 0.463 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 22:30

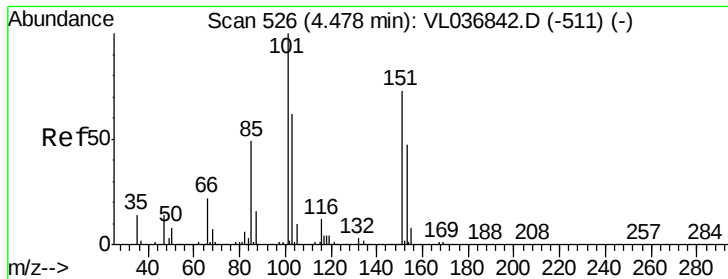
Tot Ion: 41 Resp: 40197
 Ion Ratio Lower Upper
 41 100
 42 113.2 56.0 84.0#



#11
 Trichlorofluoromethane
 Concen: 0.213 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL036869.D
 Acq: 27 Apr 2021 22:30

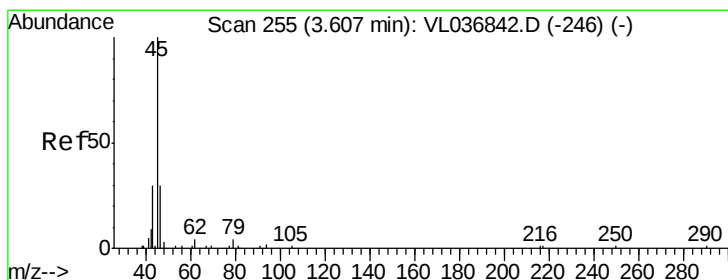
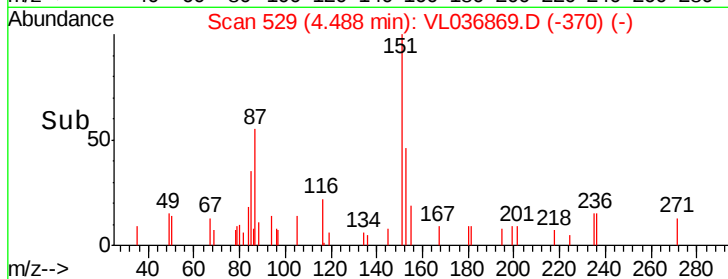
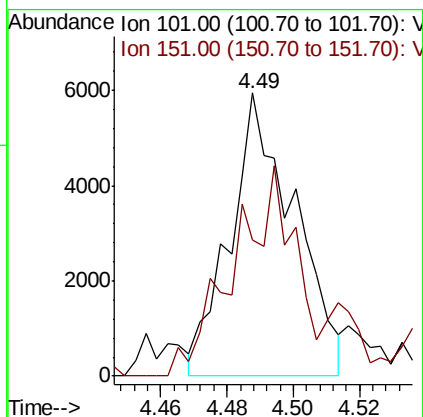
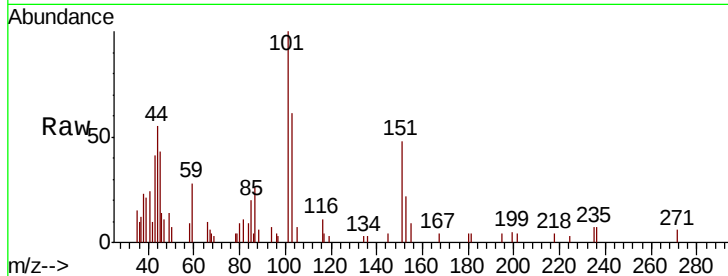
Tgt Ion: 101 Resp: 46921
 Ion Ratio Lower Upper
 101 100
 103 55.5 51.6 77.4





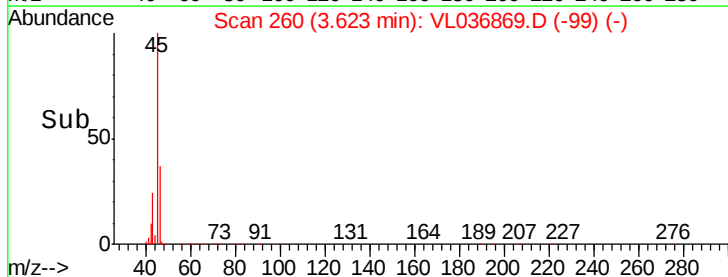
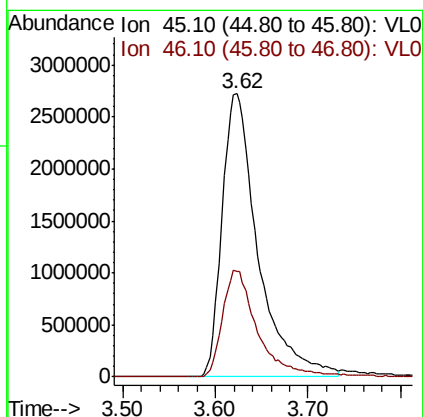
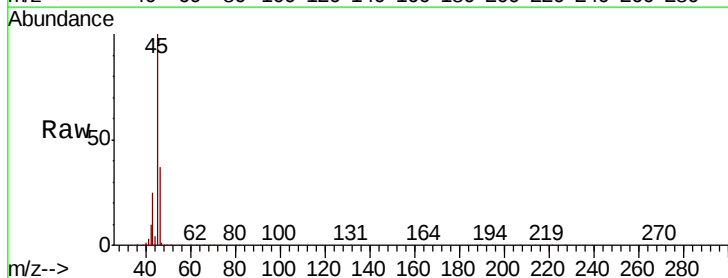
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.054 ppbv
 RT: 4.49 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 22:30

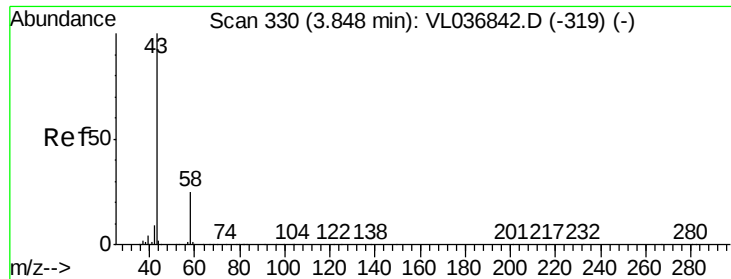
Tot Ion: 101 Resp: 8003
 Ion Ratio Lower Upper
 101 100
 151 95.5 61.1 91.7#



#13
 Ethanol
 Concen: 660.802 ppbv
 RT: 3.62 min Scan# 260
 Delta R.T. 0.02 min
 Lab File: VL036869.D
 Acq: 27 Apr 2021 22:30

Tgt Ion: 45 Resp: 7317196
 Ion Ratio Lower Upper
 45 100
 46 37.8 16.8 67.4





#15

Acetone

Concen: 28.769 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

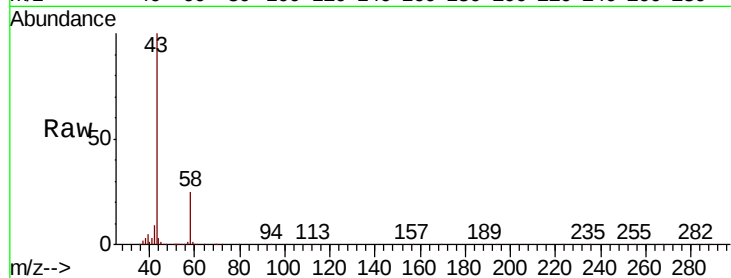
Acq: 27 Apr 2021 22:30

Tot Ion: 43 Resp: 4241677

Ion Ratio Lower Upper

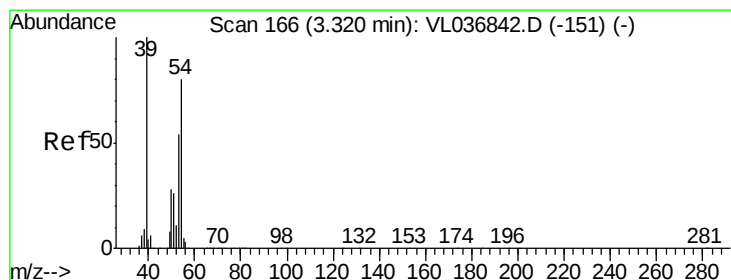
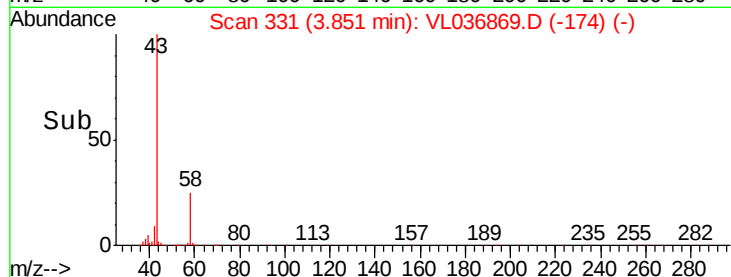
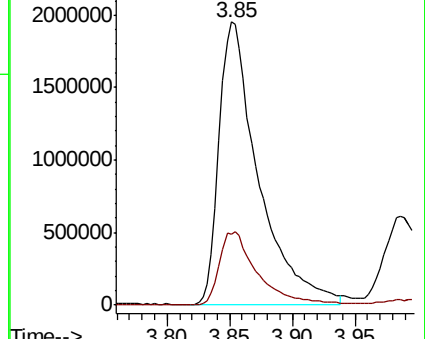
43 100

58 25.5 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.467 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL036869.D

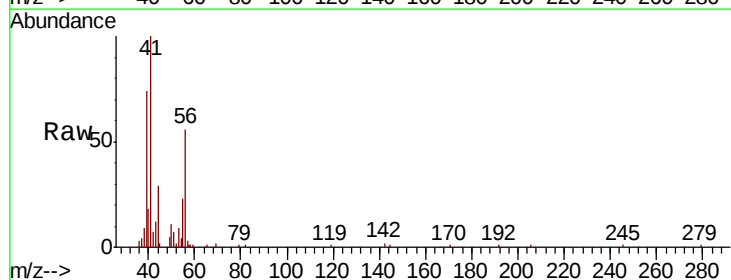
Acq: 27 Apr 2021 22:30

Tgt Ion: 39 Resp: 43996

Ion Ratio Lower Upper

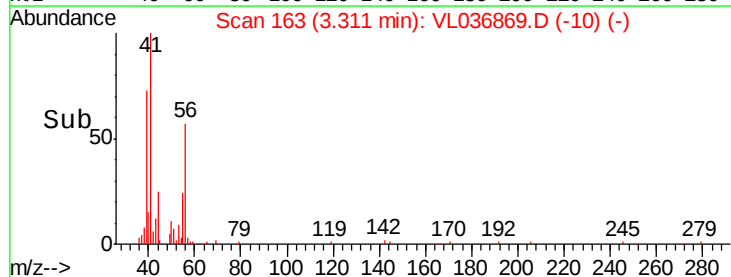
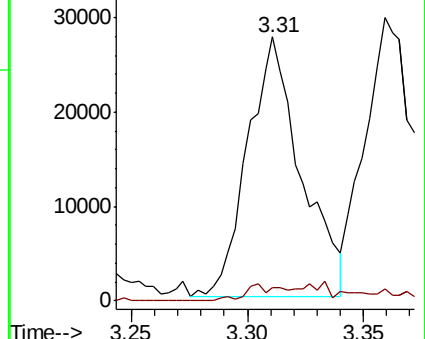
39 100

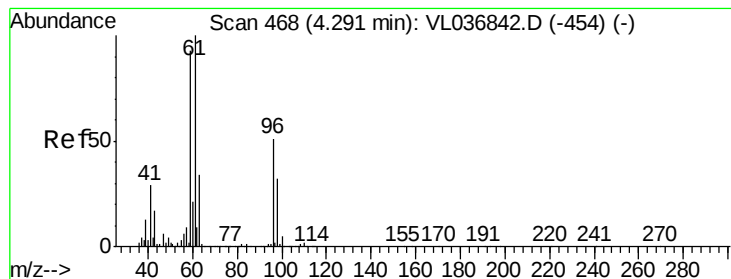
54 9.8 59.6 89.4#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

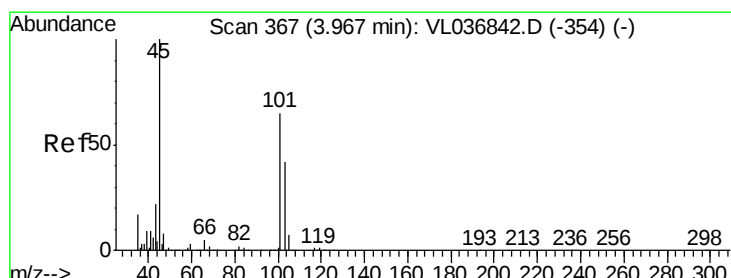
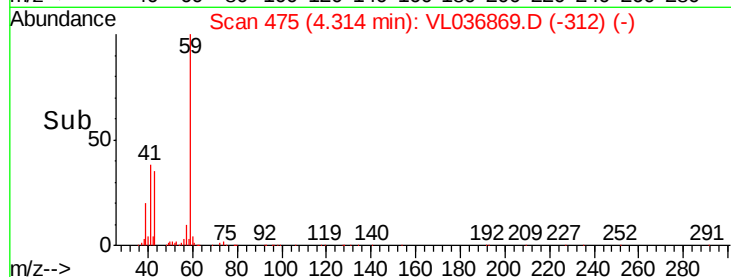
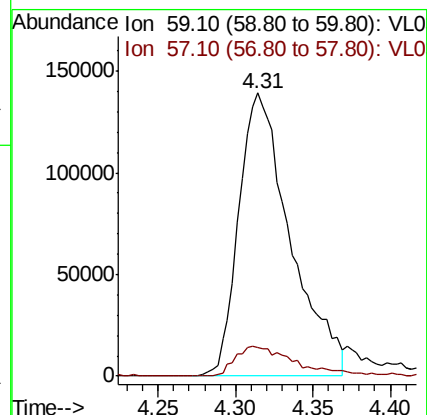
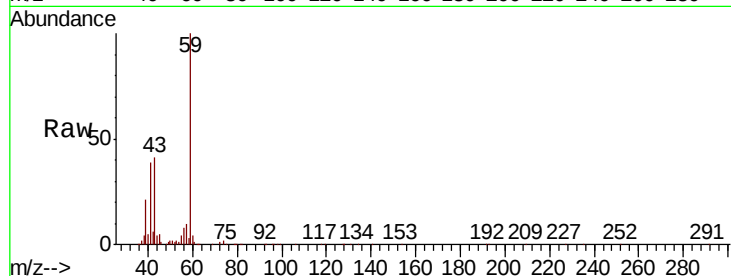




#17

tert-Butyl alcohol
Concen: 2.692 ppbv
RT: 4.31
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Apr 2021 22:30

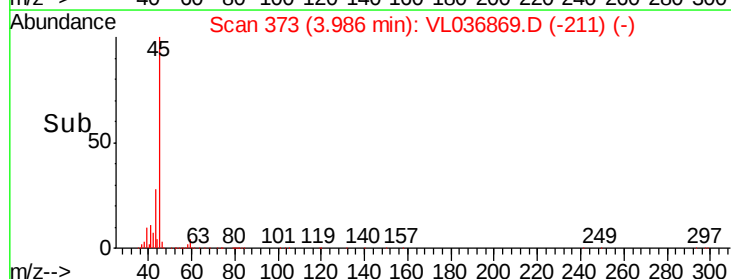
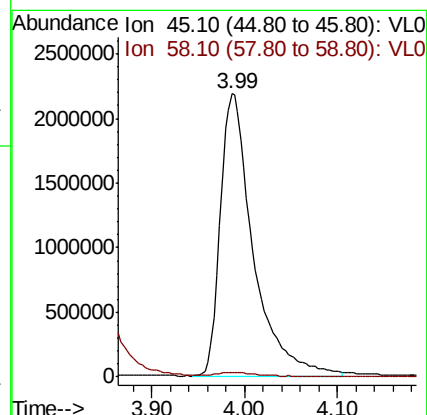
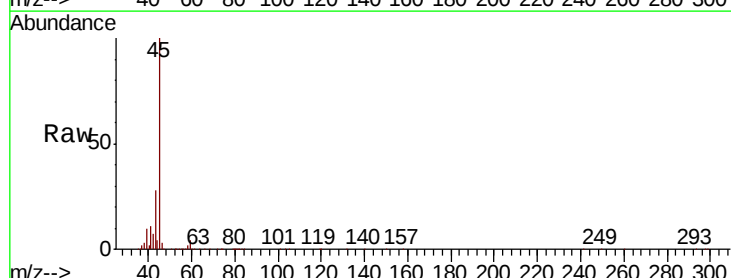
Tot Ion: 59 Resp: 322210
Ion Ratio Lower Upper
59 100
57 12.9 8.3 12.5#

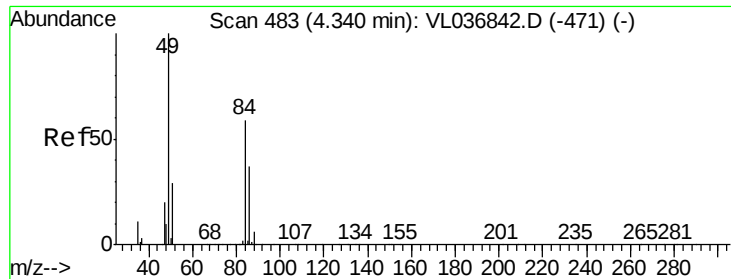


#19

Isopropyl Alcohol
Concen: 73.936 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.02 min
Lab File: VL036869.D
Acq: 27 Apr 2021 22:30

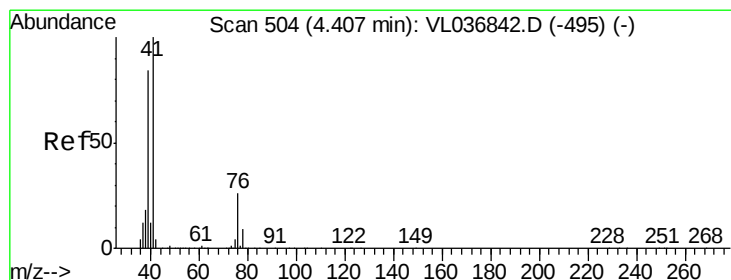
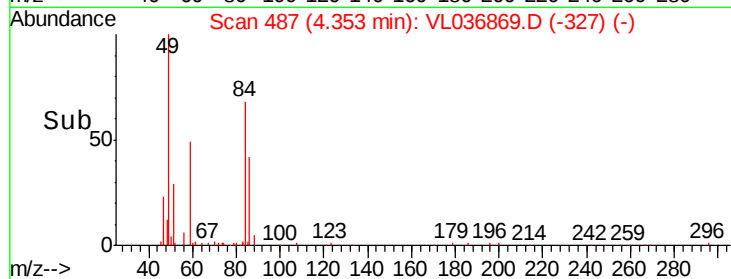
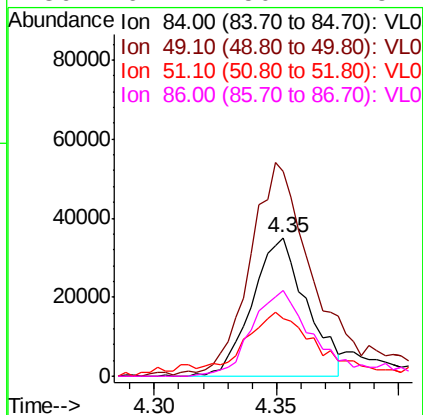
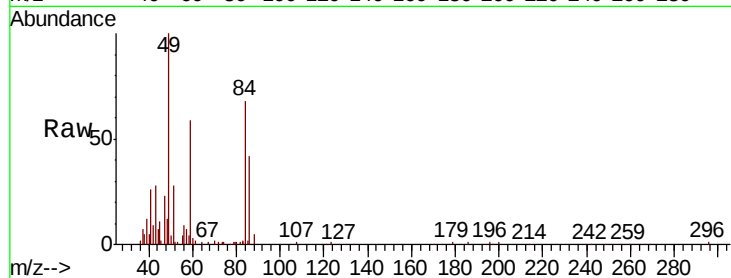
Tgt Ion: 45 Resp: 5401355
Ion Ratio Lower Upper
45 100
58 2.0 2.8 4.2#





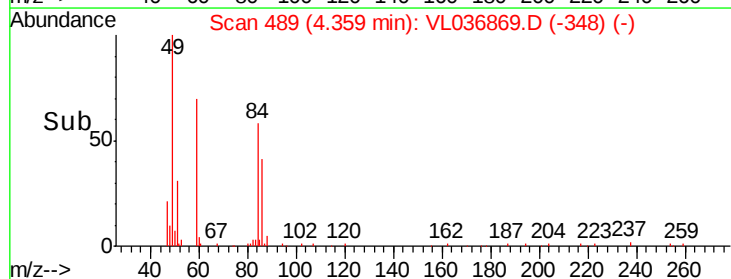
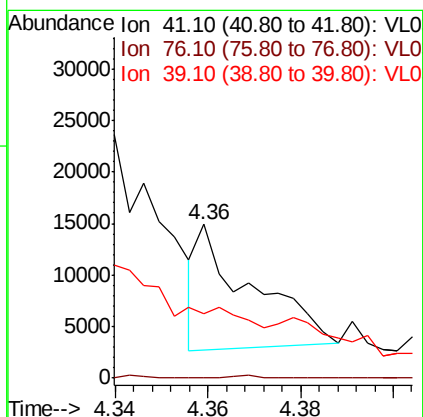
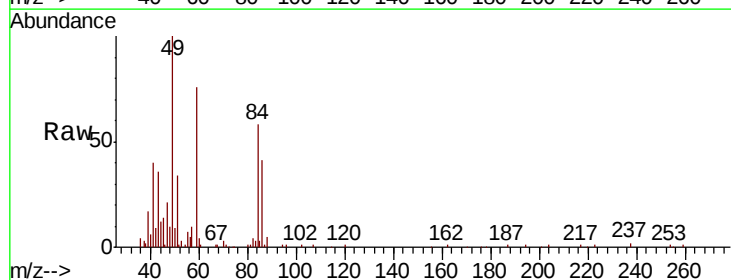
#20
Methylene Chloride
Concen: 0.765 ppbv
RT: 4.35 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 22:30

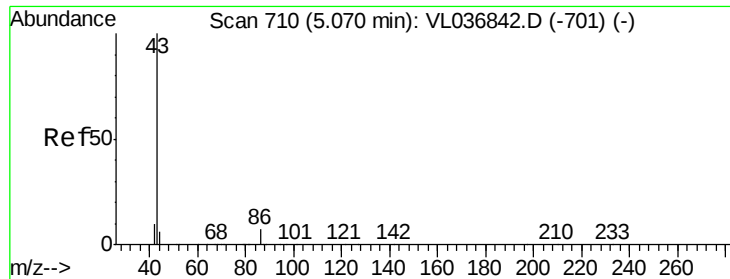
Tot Ion:	84	Resp:	53960
Ion	Ratio	Lower	Upper
84	100		
49	144.0	135.4	203.0
51	33.2	39.3	58.9#
86	62.1	50.2	75.2



#21
Allyl Chloride
Concen: 0.089 ppbv
RT: 4.36 min Scan# 489
Delta R.T. -0.05 min
Lab File: VL036869.D
Acq: 27 Apr 2021 22:30

Tgt Ion:	41	Resp:	9756
Ion	Ratio	Lower	Upper
41	100		
76	1.0	22.4	33.6#
39	0.0	68.4	102.6#





#23

Vinyl Acetate

Concen: 0.853 ppbv

RT: 5.07 Instrument:

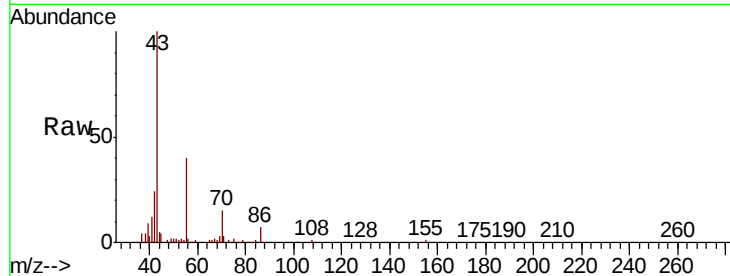
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

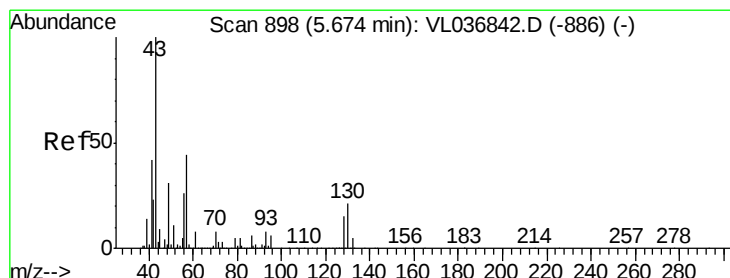
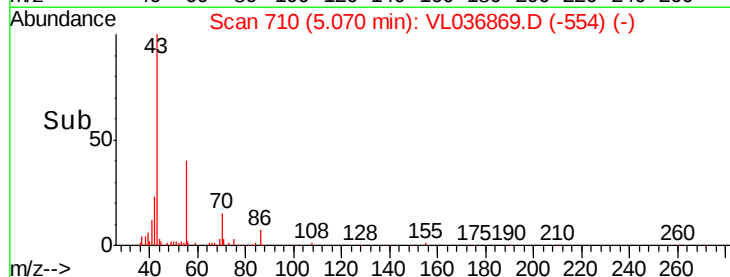
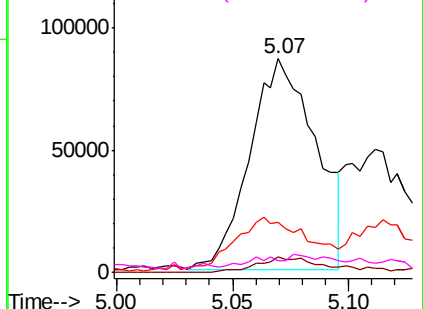
Acq: 27 Apr 2021 22:30

Tot Ion: 43 Resp: 171111

Ion	Ratio	Lower	Upper
43	100		
86	7.8	5.3	7.9
42	21.3	8.7	13.1#
44	3.4	3.9	5.9#



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: 0.150 ppbv

RT: 5.68 min Scan# 901

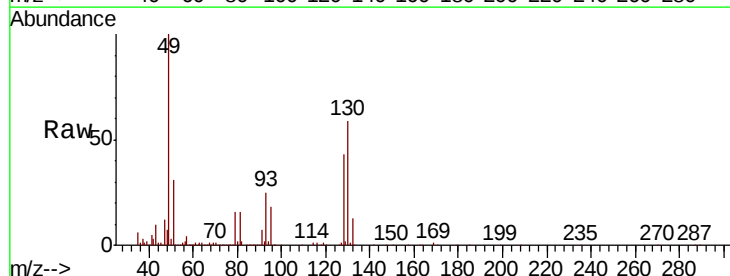
Delta R.T. 0.01 min

Lab File: VL036869.D

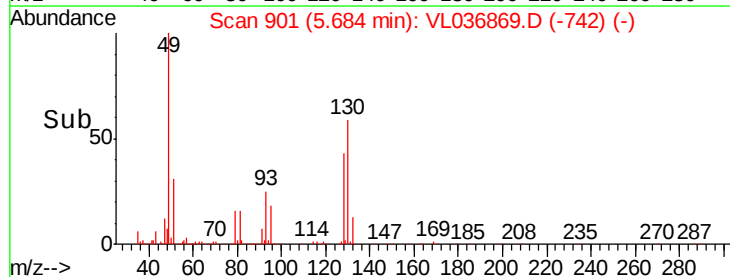
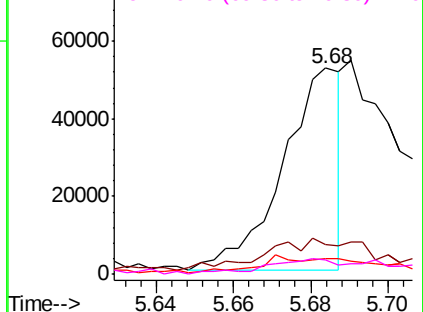
Acq: 27 Apr 2021 22:30

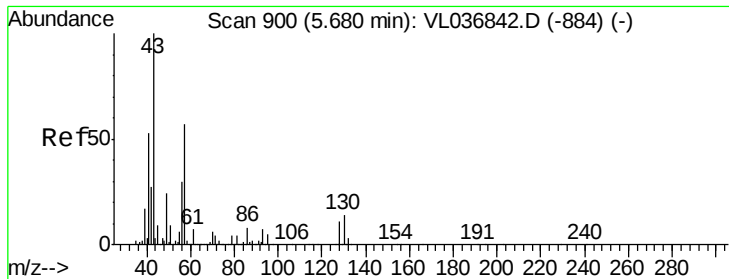
Tgt Ion: 43 Resp: 54074

Ion	Ratio	Lower	Upper
43	100		
45	27.1	7.8	11.8#
61	17.5	7.4	11.0#
70	19.8	5.4	8.0#



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: 0.349 ppbv

RT: 5.69 Instrument:

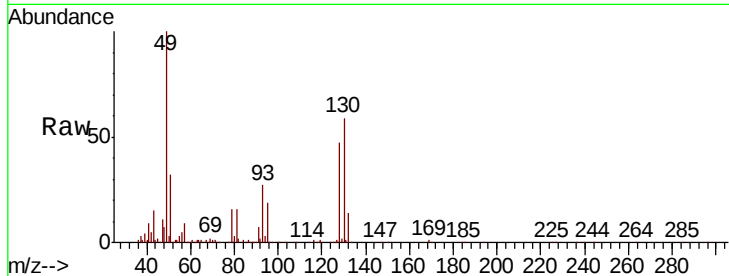
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 22:30

Tot Ion: 57 Resp: 58760

Ion	Ratio	Lower	Upper
57	100		
41	119.9	77.7	116.5#
43	197.9	180.5	270.7
56	71.9	44.6	66.8#

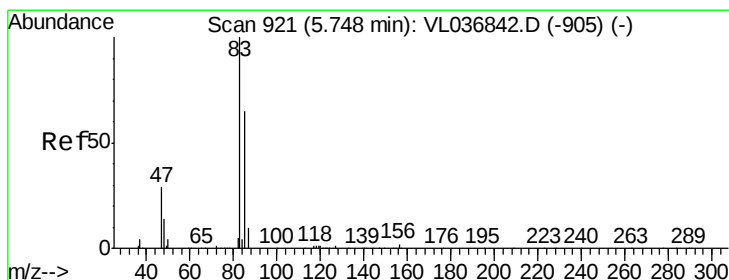
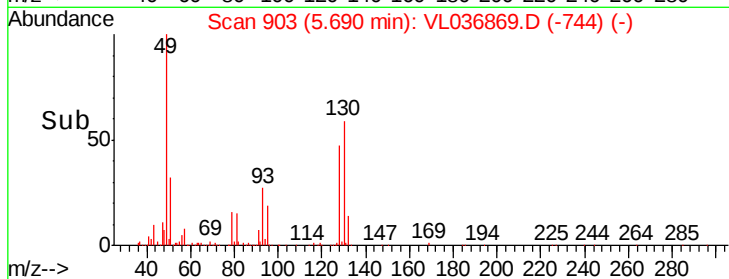
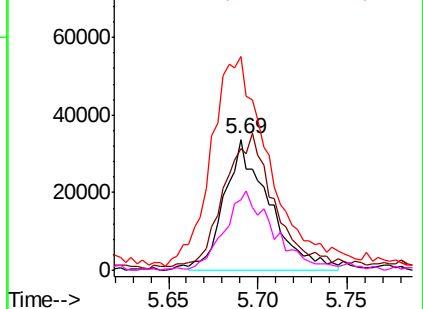


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#29

Chloroform

Concen: 0.146 ppbv

RT: 5.75 min Scan# 923

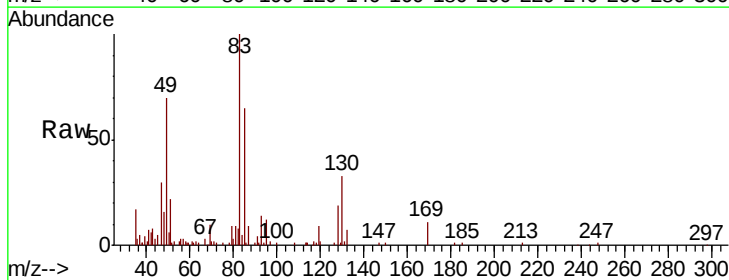
Delta R.T. 0.01 min

Lab File: VL036869.D

Acq: 27 Apr 2021 22:30

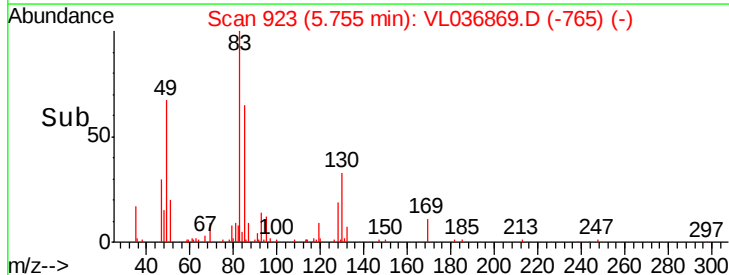
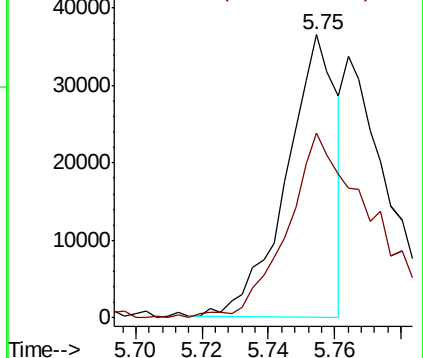
Tgt Ion: 83 Resp: 38436

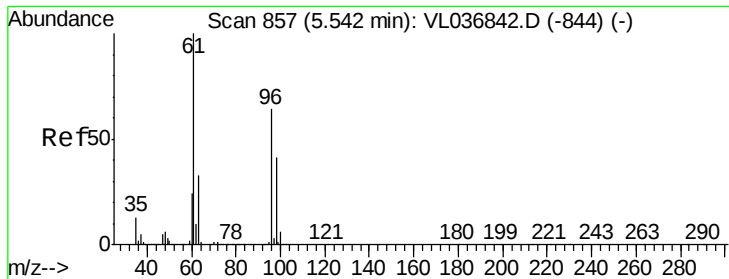
Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.2	78.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.259 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Apr 2021 22:30

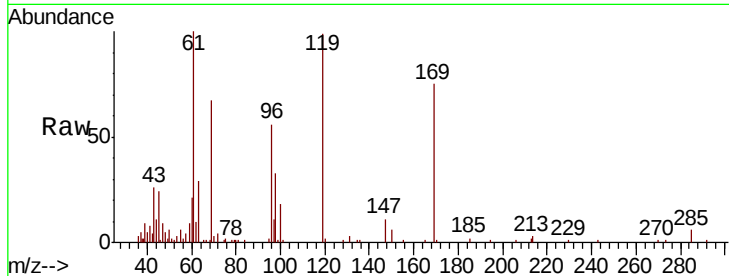
Tot Ion: 61 Resp: 39112

Ion Ratio Lower Upper

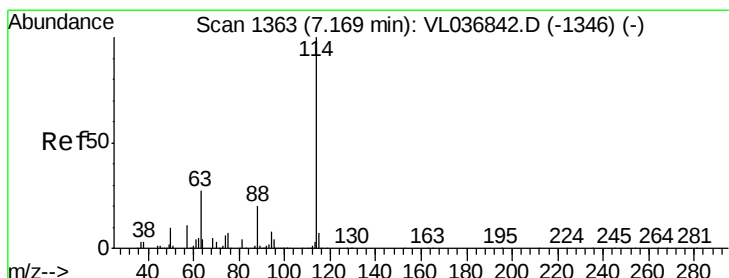
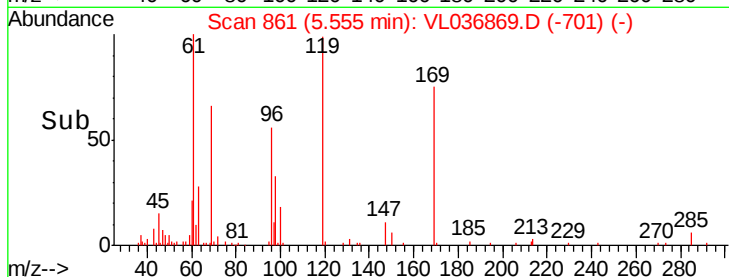
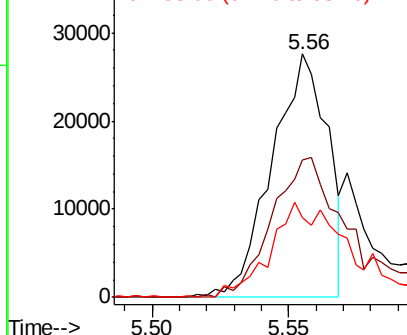
61 100

96 56.2 51.0 76.6

98 32.0 32.7 49.1#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL036869.D

Acq: 27 Apr 2021 22:30

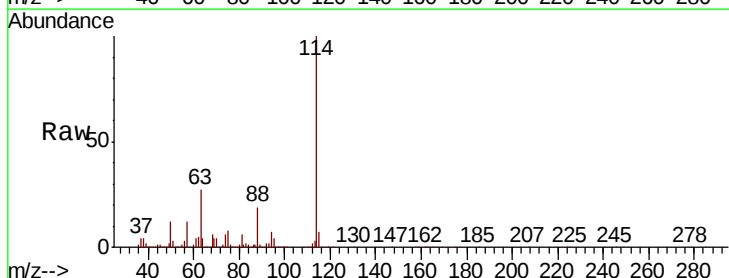
Tgt Ion: 114 Resp: 3624955

Ion Ratio Lower Upper

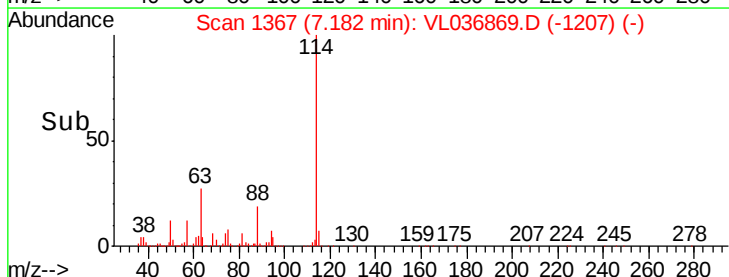
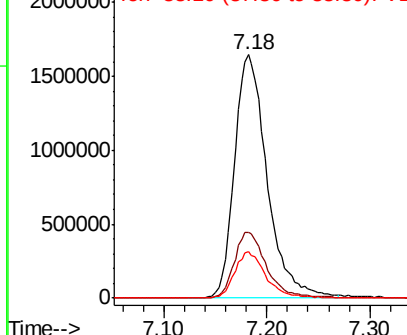
114 100

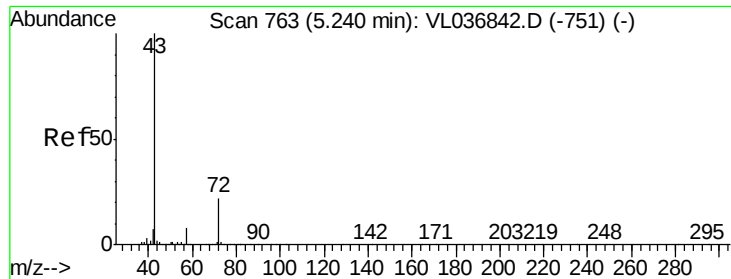
63 27.3 21.9 32.9

88 18.5 15.1 22.7



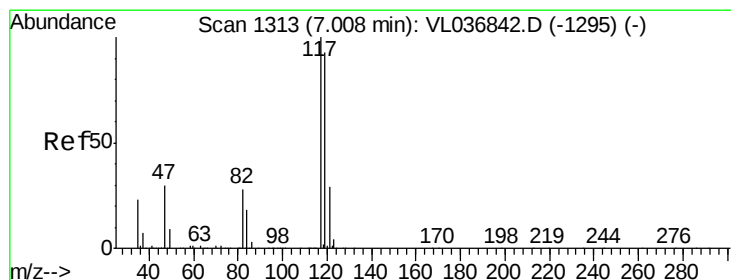
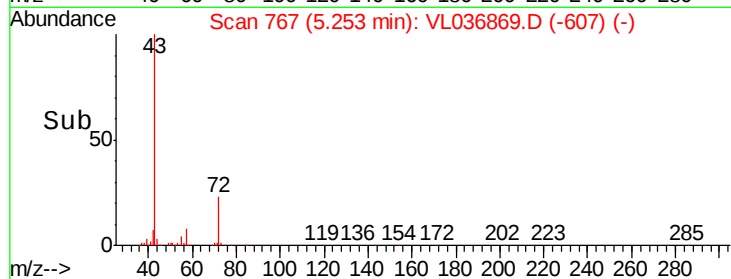
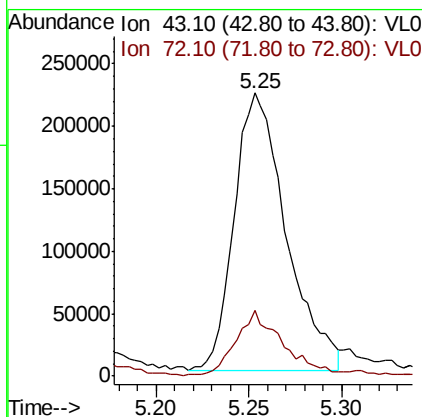
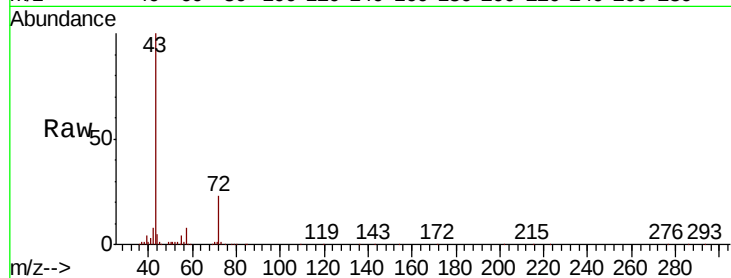
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





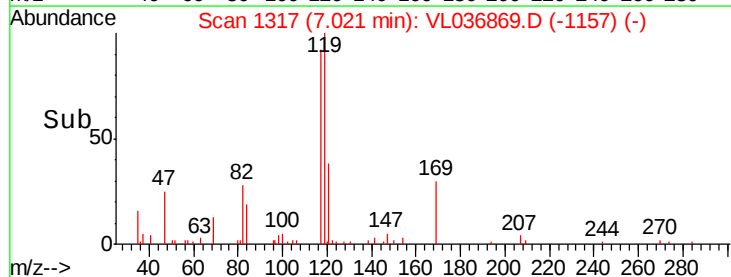
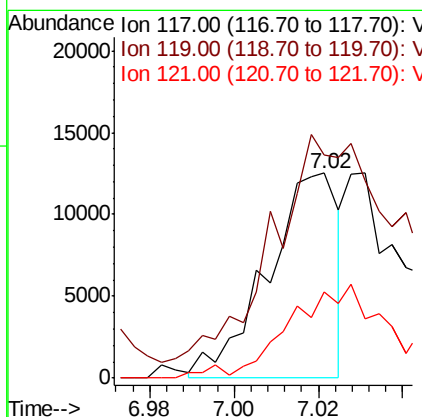
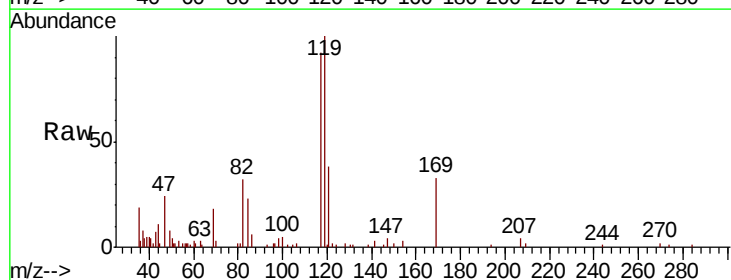
#34
2-Butanone
Concen: 2.735 ppbv
RT: 5.25
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 22:30

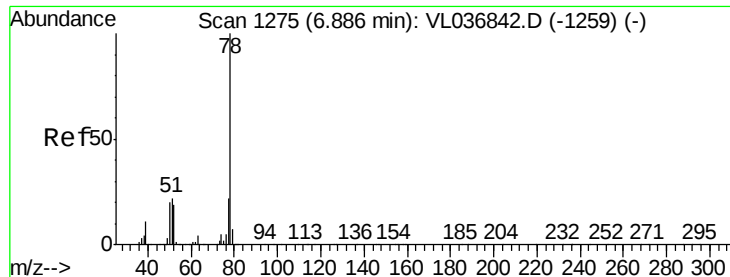
Tot Ion: 43 Resp: 434316
Ion Ratio Lower Upper
43 100
72 23.5 17.6 26.4



#35
Carbon Tetrachloride
Concen: 0.059 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VL036869.D
Acq: 27 Apr 2021 22:30

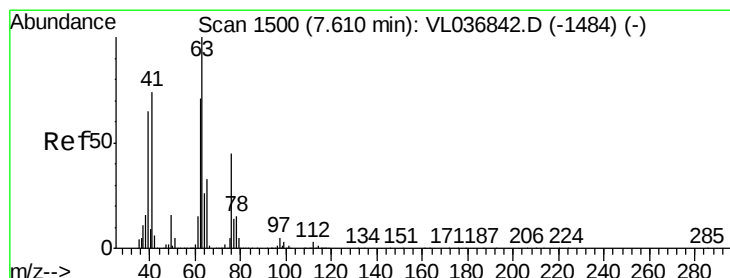
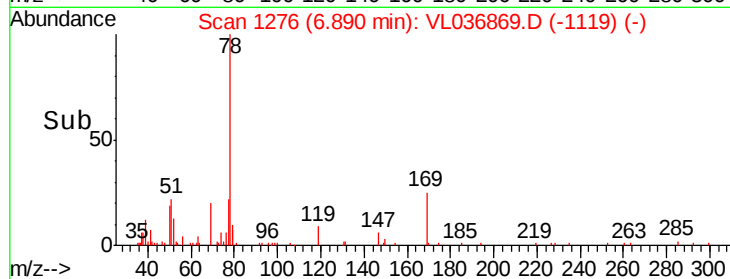
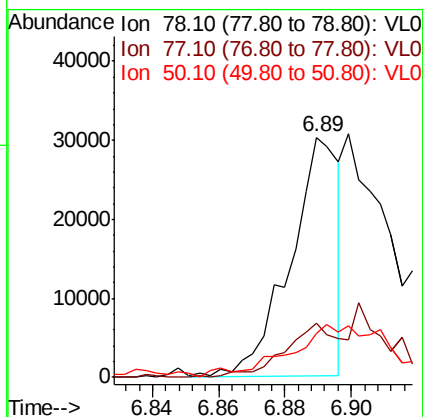
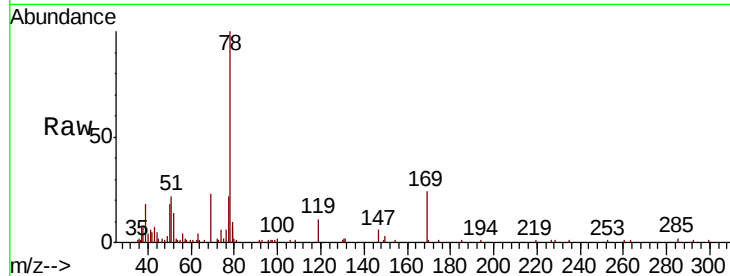
Tgt Ion: 117 Resp: 14543
Ion Ratio Lower Upper
117 100
119 98.6 74.6 111.8
121 40.1 23.3 34.9#





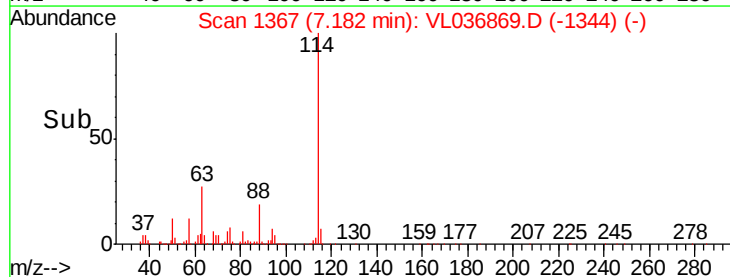
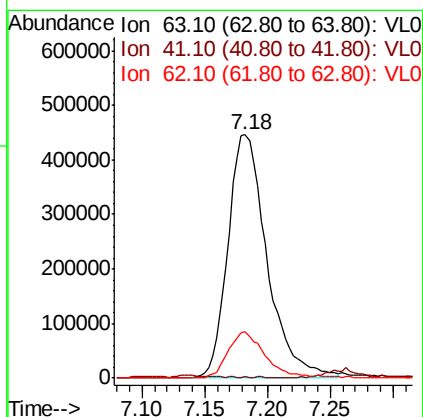
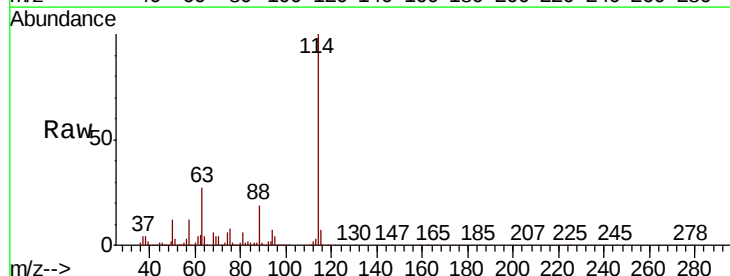
#36
Benzene
Concen: 0.102 ppbv
RT: 6.89 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 22:30

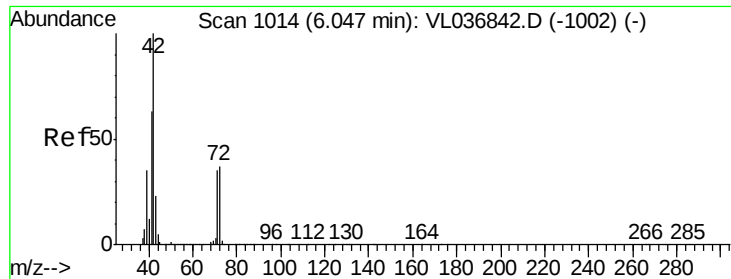
Tot Ion:	78	Resp:	31041
Ion	Ratio	Lower	Upper
78	100		
77	22.8	17.6	26.4
50	17.1	16.3	24.5



#39
1,2-Dichloropropane
Concen: 7.884 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.43 min
Lab File: VL036869.D
Acq: 27 Apr 2021 22:30

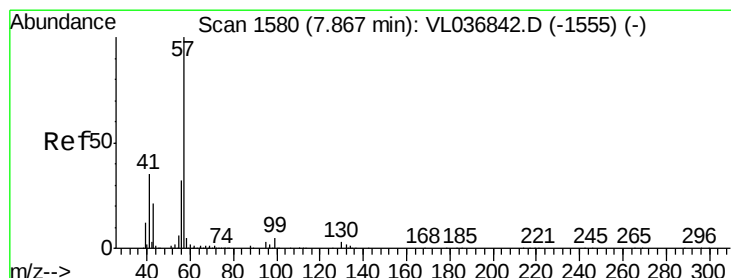
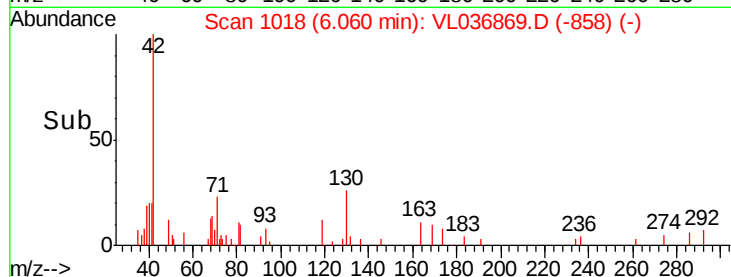
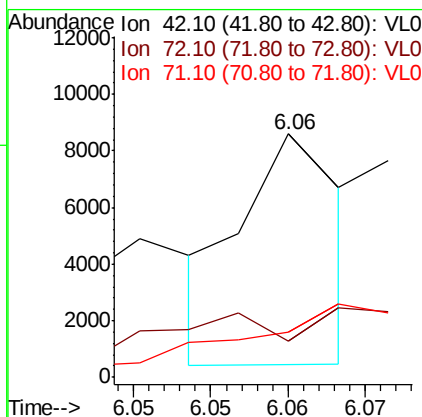
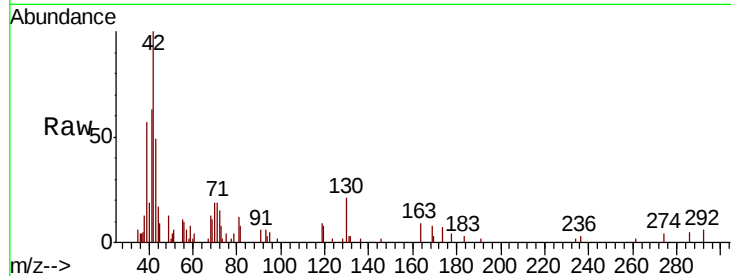
Tgt Ion:	63	Resp:	964716
Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.1	88.7#
62	19.0	56.9	85.3#





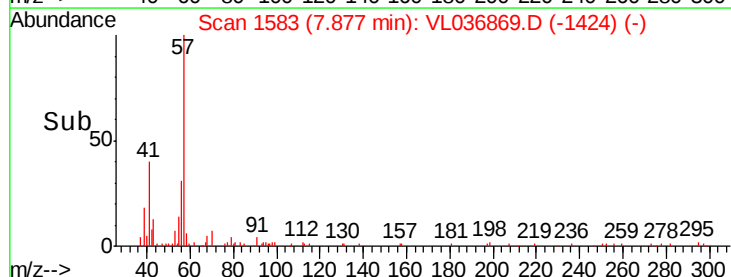
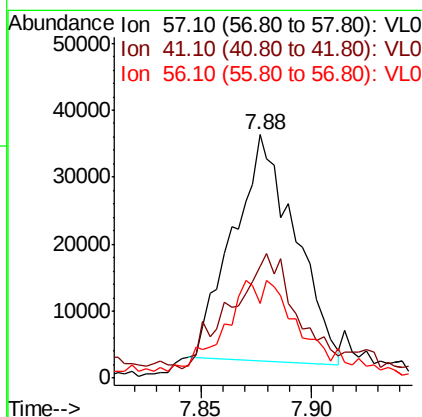
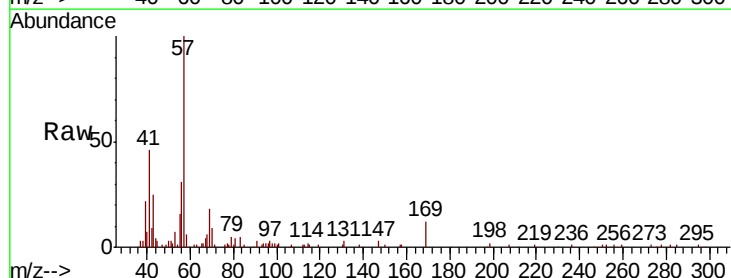
#41
Tetrahydrofuran
Concen: 0.053 ppbv
RT: 6.06 Instrument : MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 27 Apr 2021 22:30

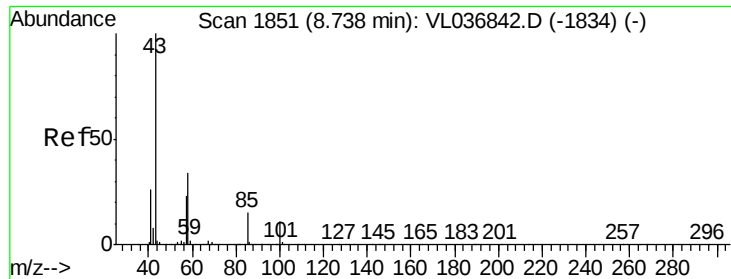
Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.7	44.5#
71	0.0	29.0	43.6#



#44
2,2,4-Trimethylpentane
Concen: 0.126 ppbv
RT: 7.88 min Scan# 1583
Delta R.T.: 0.01 min
Lab File: VL036869.D
Acq: 27 Apr 2021 22:30

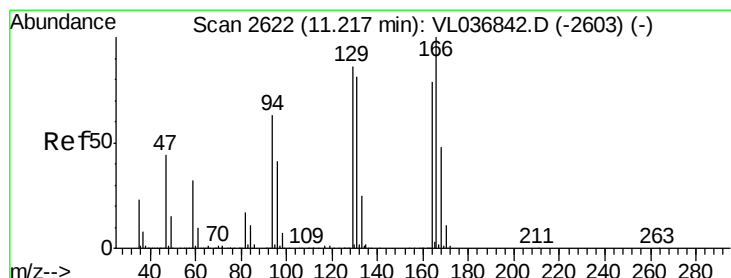
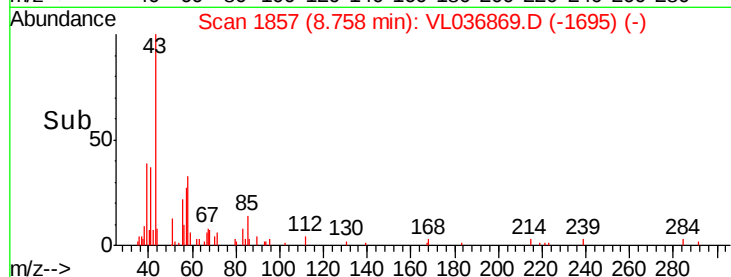
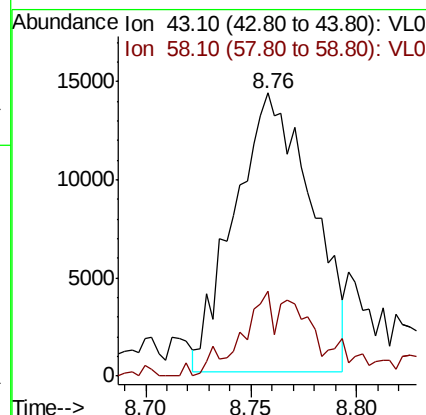
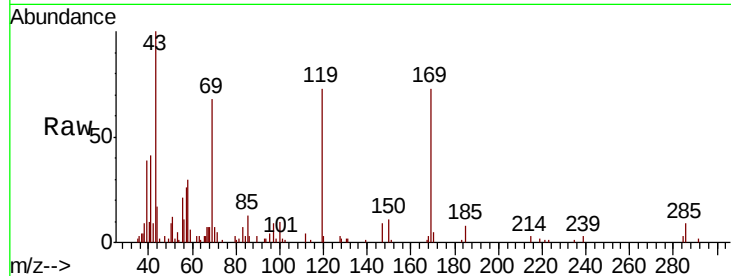
Tgt Ion	Ratio	Lower	Upper
57	100		
41	67.3	28.2	42.4#
56	56.8	25.9	38.9#





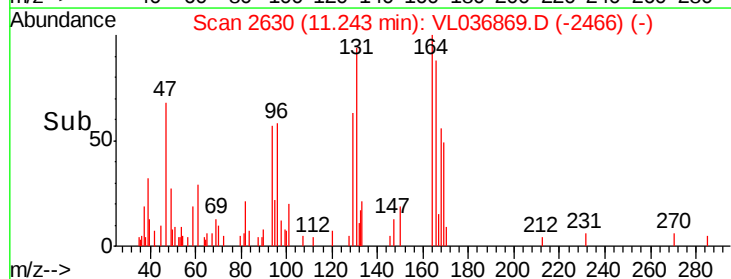
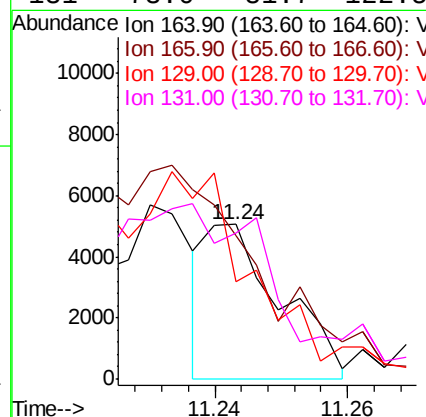
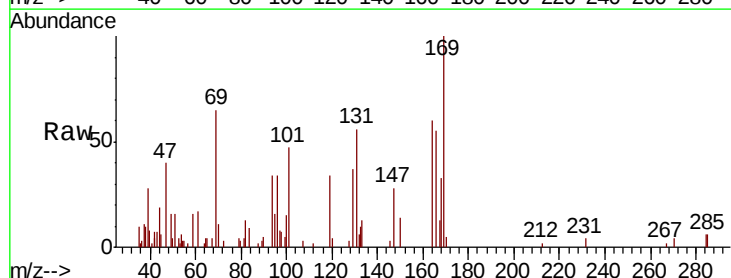
#50
 4-Methyl-2-pentanone
 Concen: 0.166 ppbv
 RT: 8.76 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 22:30

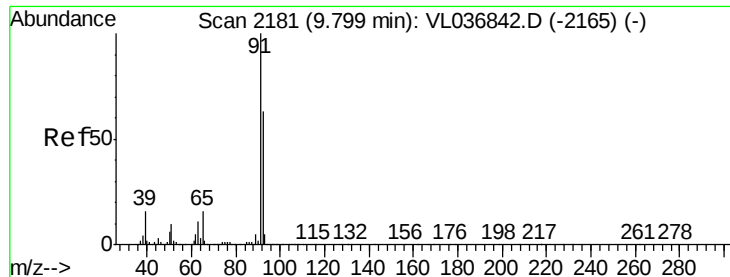
Tot Ion: 43 Resp: 35997
 Ion Ratio Lower Upper
 43 100
 58 33.1 27.8 41.8



#52
 Tetrachloroethene
 Concen: 0.038 ppbv
 RT: 11.24 min Scan# 2630
 Delta R.T. 0.03 min
 Lab File: VL036869.D
 Acq: 27 Apr 2021 22:30

Tgt Ion: 164 Resp: 3940
 Ion Ratio Lower Upper
 164 100
 166 73.7 100.9 151.3#
 129 45.4 87.0 130.4#
 131 73.0 81.7 122.5#





#53

Toluene

Concen: 0.982 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

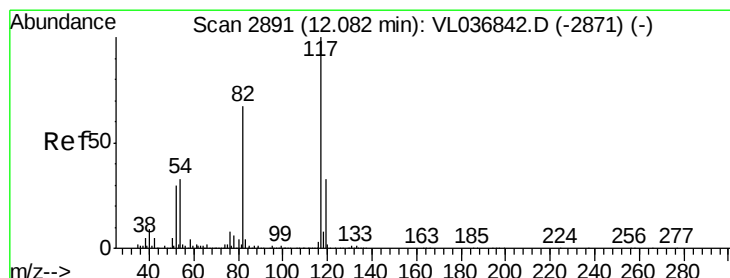
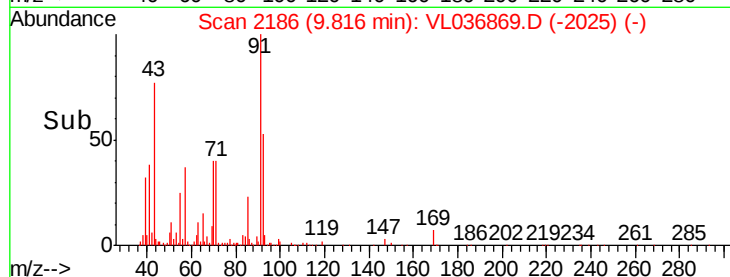
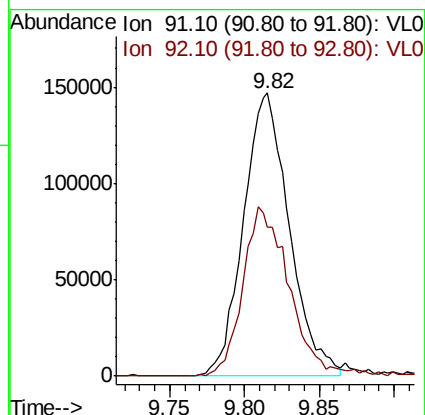
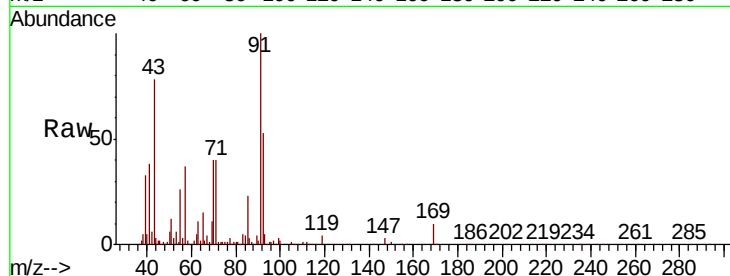
Acq: 27 Apr 2021 22:30

Tot Ion: 91 Resp: 313898

Ion Ratio Lower Upper

91 100

92 60.5 49.0 73.4



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.01 min

Lab File: VL036869.D

Acq: 27 Apr 2021 22:30

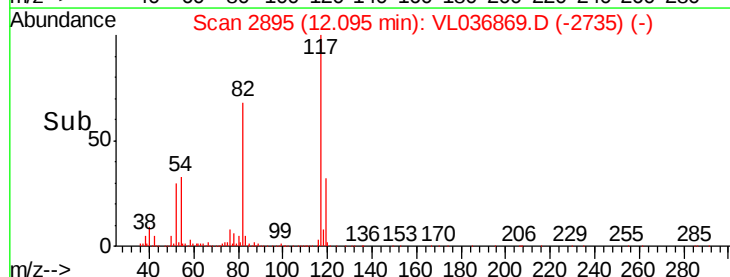
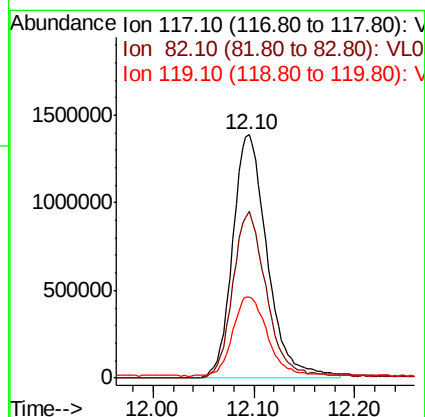
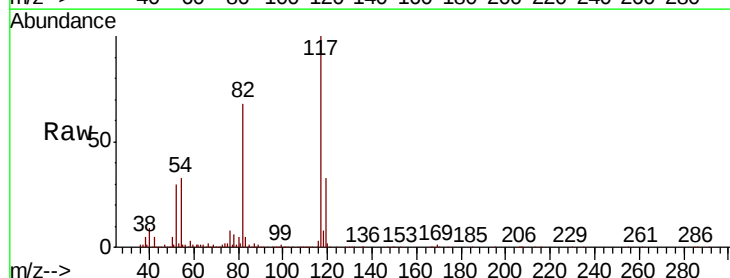
Tgt Ion: 117 Resp: 3315983

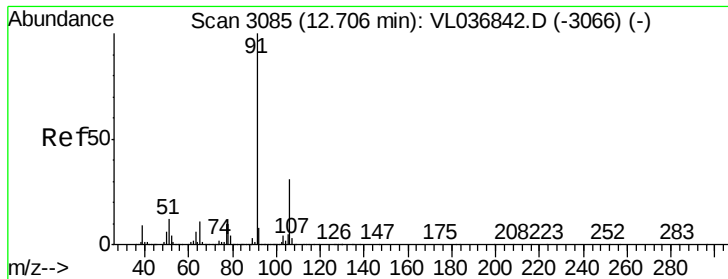
Ion Ratio Lower Upper

117 100

82 69.1 53.5 80.3

119 34.0 25.6 38.4





#58

Ethyl Benzene

Concen: 0.057 ppbv

RT: 12.72 min

Delta R.T. MSVOA_L

Lab File:

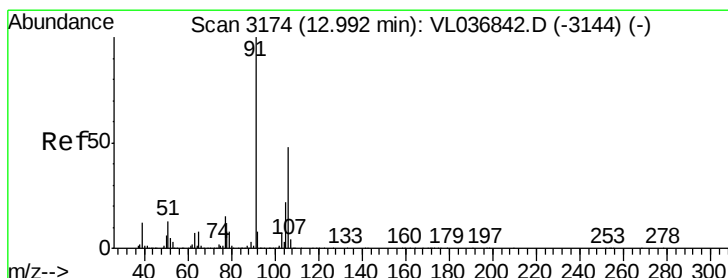
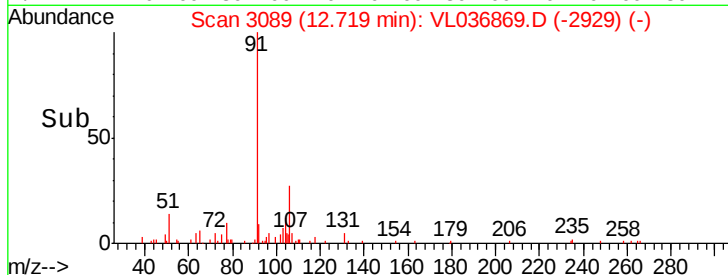
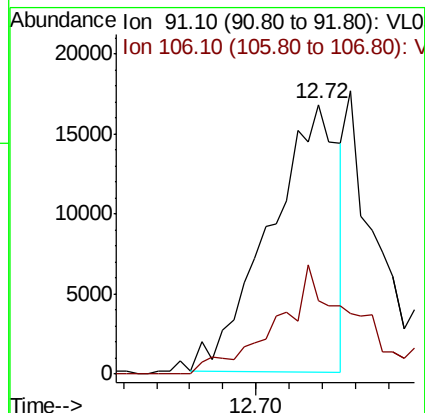
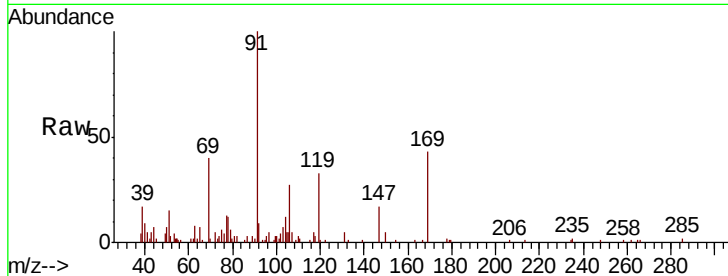
Acq: 27 Apr 2021 22:30

Tot Ion: 91 Resp: 24035

Ion Ratio Lower Upper

91 100

106 27.5 25.1 37.7



#59

m/p-Xylene

Concen: 0.056 ppbv

RT: 13.01 min Scan# 3179

Delta R.T. 0.02 min

Lab File: VL036869.D

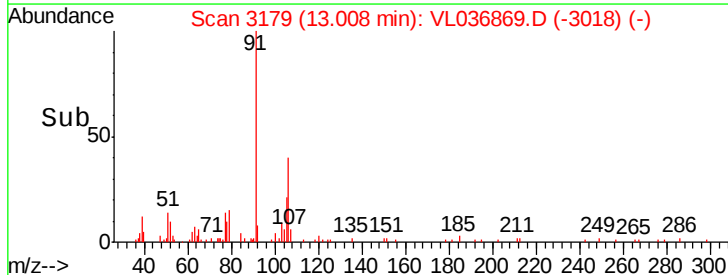
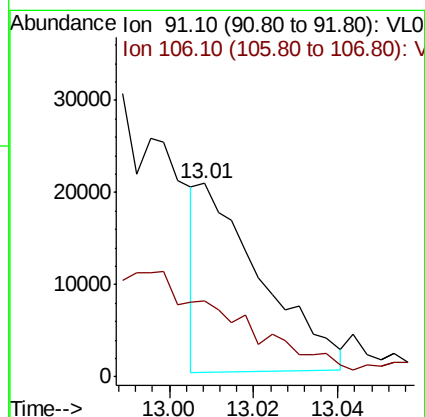
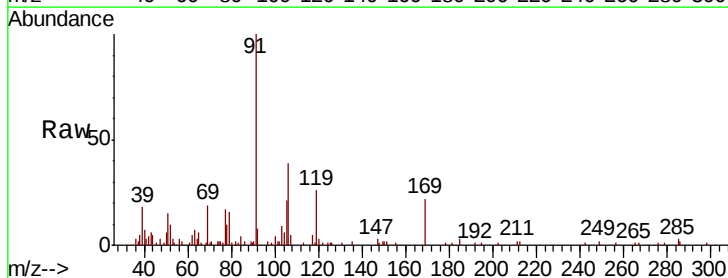
Acq: 27 Apr 2021 22:30

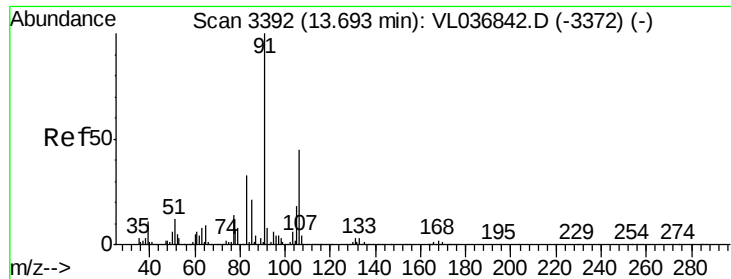
Tgt Ion: 91 Resp: 21021

Ion Ratio Lower Upper

91 100

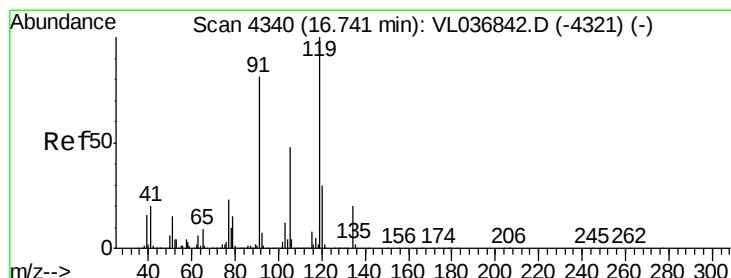
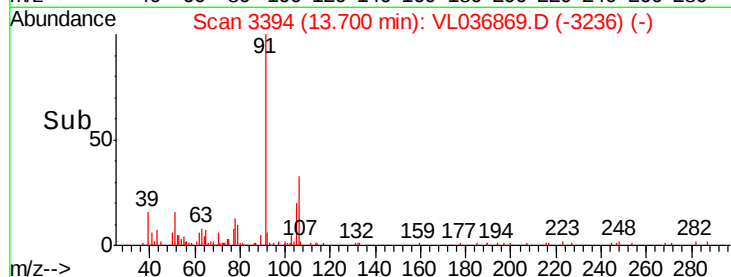
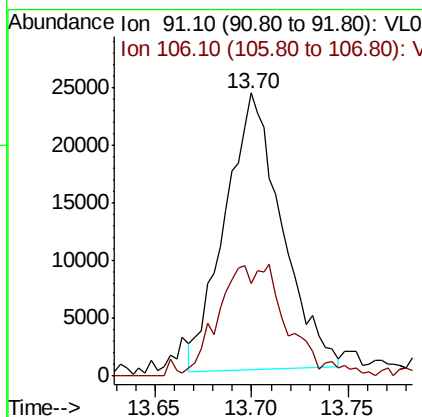
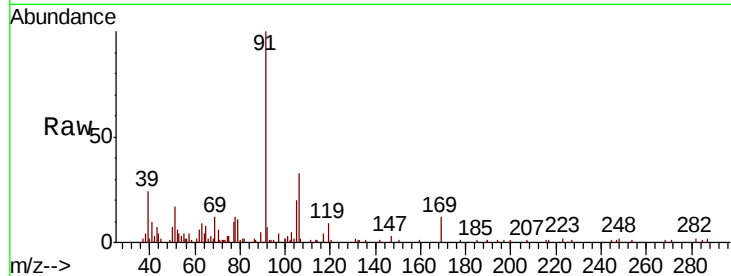
106 0.0 35.8 53.6#





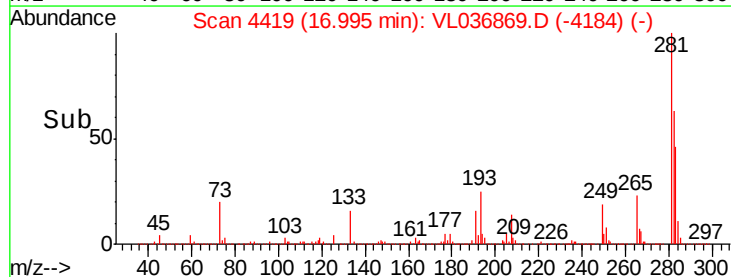
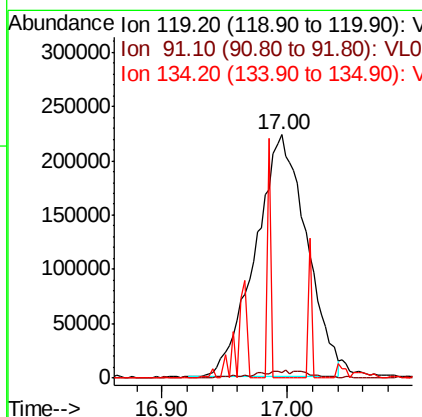
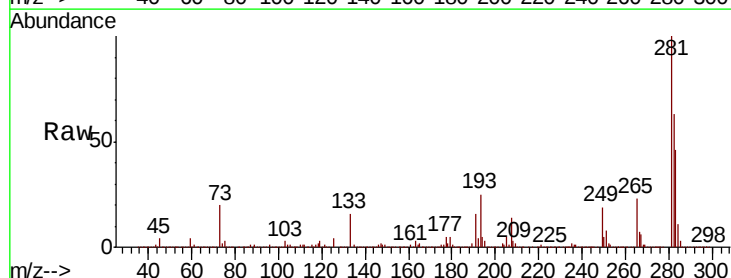
#60
o-Xylene
Concen: 0.134 ppbv
RT: 13.70 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Apr 2021 22:30

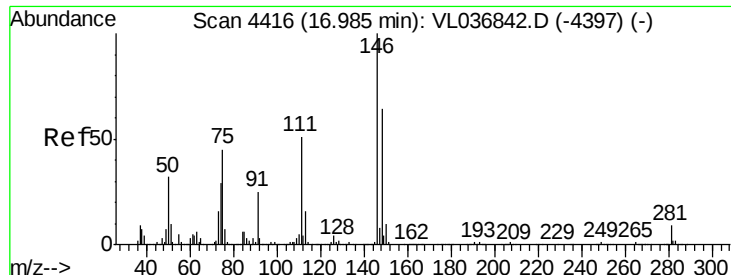
Tot Ion: 91 Resp: 48874
Ion Ratio Lower Upper
91 100
106 49.6 22.6 67.7



#65
tert-Butylbenzene
Concen: 1.447 ppbv
RT: 17.00 min Scan# 4419
Delta R.T. 0.25 min
Lab File: VL036869.D
Acq: 27 Apr 2021 22:30

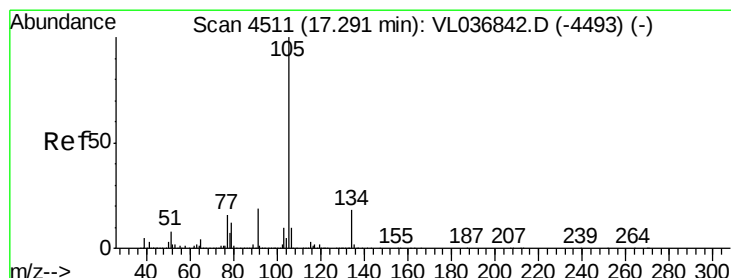
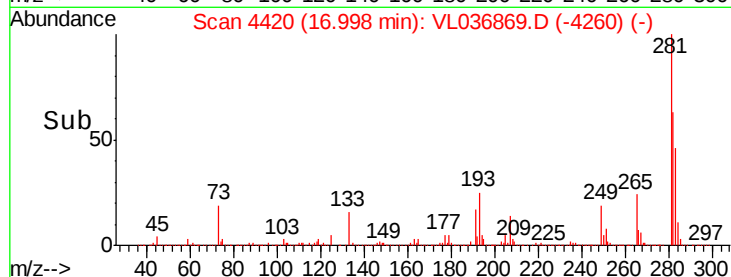
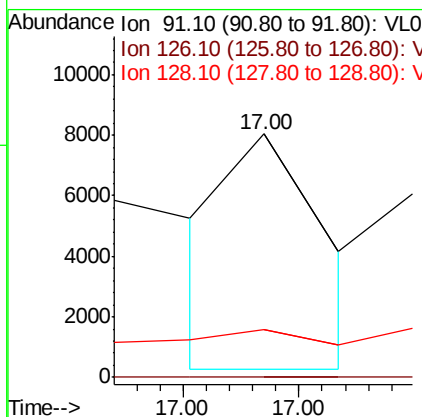
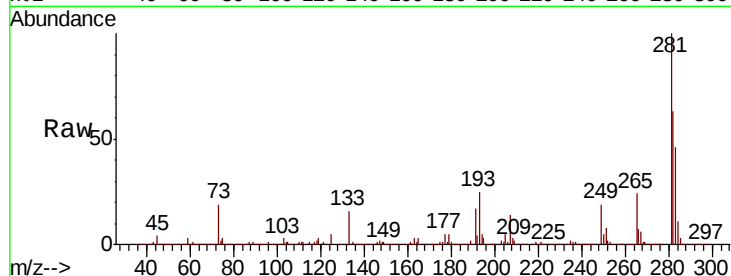
Tgt Ion: 119 Resp: 632722
Ion Ratio Lower Upper
119 100
91 3.3 67.0 100.6#
134 7.4 15.8 23.6#





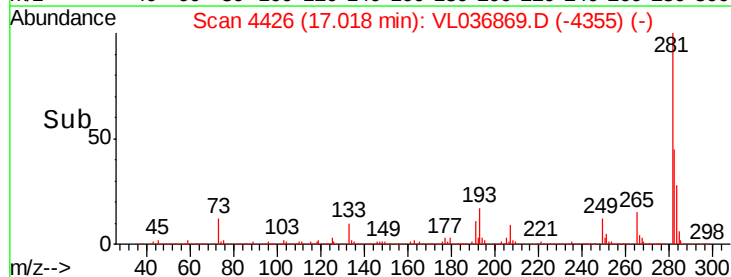
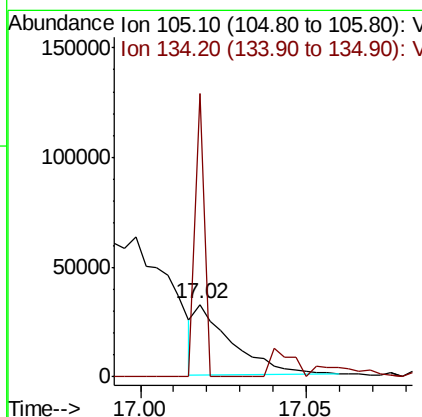
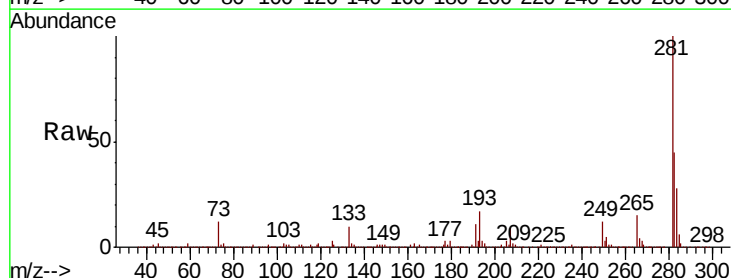
#66
Benzyl Chloride
Concen: 0.053 ppbv
RT: 17.00 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 22:30

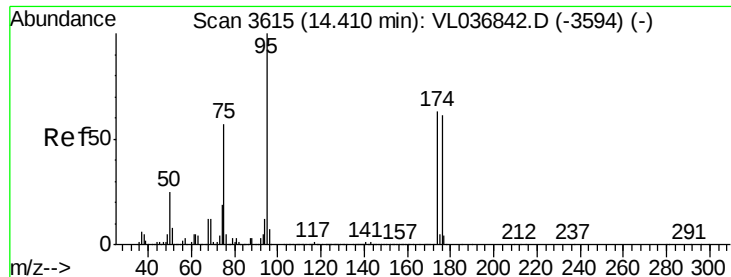
Tot Ion	91	Resp	2255
Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.1	21.1#
128	0.0	4.8	7.2#



#67
sec-Butylbenzene
Concen: 0.041 ppbv
RT: 17.02 min Scan# 4426
Delta R.T.: -0.27 min
Lab File: VL036869.D
Acq: 27 Apr 2021 22:30

Tgt Ion	105	Resp	24663
Ion	Ratio	Lower	Upper
105	100		
134	50.2	14.8	22.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.648 ppbv

RT: 14.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 27 Apr 2021 22:30

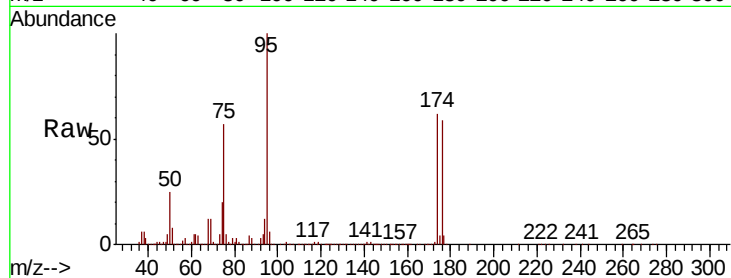
Tot Ion: 95 Resp: 2568315

Ion Ratio Lower Upper

95 100

174 66.2 52.2 78.2

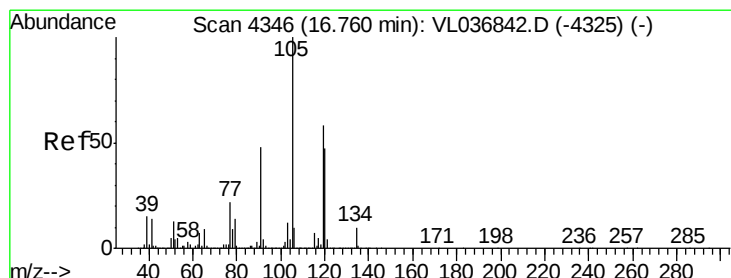
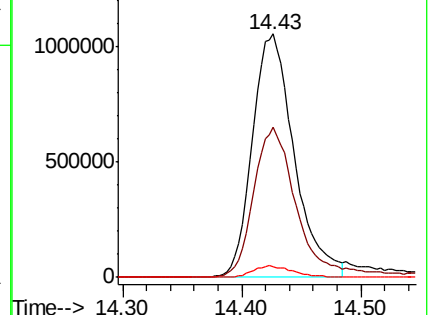
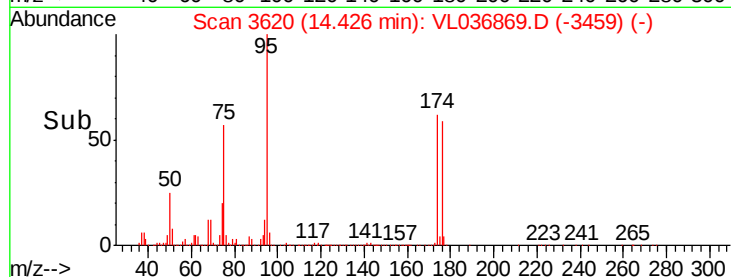
175 4.9 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#74

1,2,4-Trimethylbenzene

Concen: 0.155 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.02 min

Lab File: VL036869.D

Acq: 27 Apr 2021 22:30

Tgt Ion:105 Resp: 62126

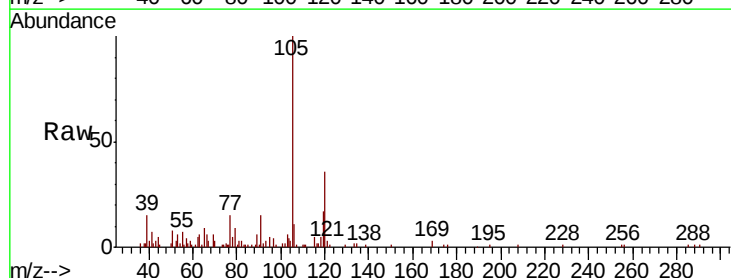
Ion Ratio Lower Upper

105 100

120 31.1 37.6 56.4#

91 13.5 39.0 58.4#

77 11.6 17.4 26.0#

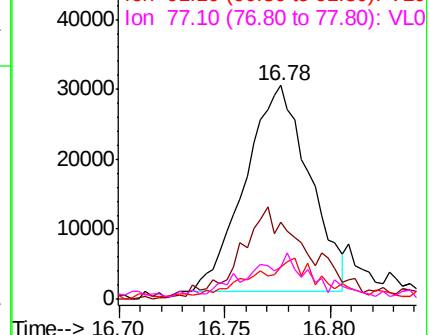
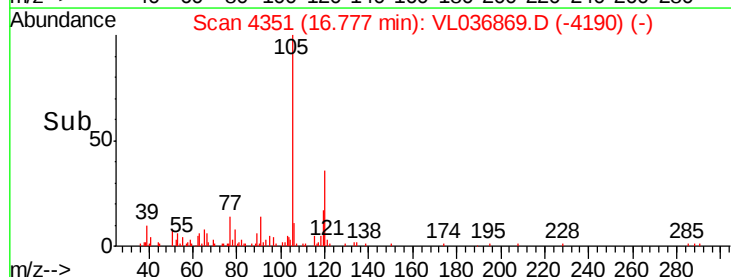


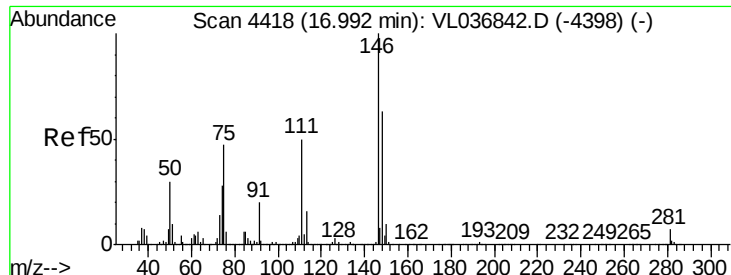
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

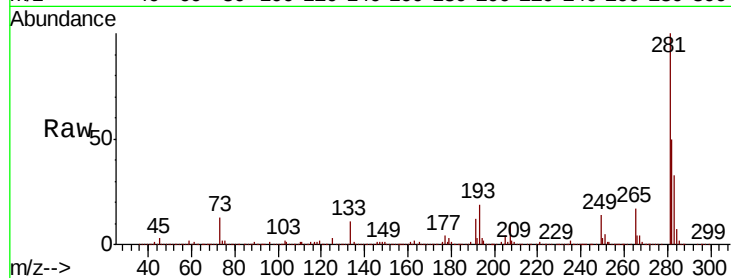
Ion 77.10 (76.80 to 77.80): VL0





#75
 1,3-Dichlorobenzene
 Concen: 0.208 ppbv
 RT: 17.01
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Apr 2021 22:30

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.2	72.6#
148	0.0	32.1	96.3#



Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

