

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
 Data File : VL036461.D
 Acq On : 24 Mar 2021 9:18
 Operator :
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :

Quant Time: Mar 25 07:25:29 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1658175	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	3958554	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3739555	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3155178	10.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2020835	8.818 ppbv	98
3) Chlorodifluoromethane	2.98	51	1881337	9.593 ppbv	99
4) Chloromethane	3.13	50	915359	9.821 ppbv	98
5) Vinyl Chloride	3.25	62	922473	10.483 ppbv	97
6) Bromomethane	3.47	94	541310	9.922 ppbv	97
7) Chloroethane	3.55	64	315773	9.526 ppbv	96
8) Dichlorotetrafluoroethane	3.18	85	2113673	9.389 ppbv	98
9) Propene	3.00	41	841248	9.843 ppbv	99
10) Heptane	8.11	43	2187511	10.382 ppbv	100
11) Trichlorofluoromethane	3.94	101	2243889	9.482 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1471688	9.751 ppbv	100
13) Ethanol	3.60	45	162869m	12.421 ppbv	
14) Bromoethene	3.73	108	621177	9.913 ppbv	99
15) Acetone	3.84	43	1755062	9.262 ppbv	100
16) 1,3-Butadiene	3.32	39	882195	9.652 ppbv	99
17) tert-Butyl alcohol	4.29	59	1690037	11.248 ppbv	100
18) 1,1-Dichloroethene	4.28	96	636010	9.475 ppbv	94
19) Isopropyl Alcohol	3.96	45	1120366	10.520 ppbv	# 96
20) Methylene Chloride	4.33	84	562383	8.804 ppbv	94
21) Allyl Chloride	4.40	41	1026147	9.604 ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	600260	9.876 ppbv	96
23) Vinyl Acetate	5.06	43	2250605	10.494 ppbv	99
24) 1,1-Dichloroethane	5.00	63	1709924	10.102 ppbv	99
25) Ethyl Acetate	5.67	43	3657038	9.926 ppbv	99
26) Hexane	5.68	57	1489704	9.881 ppbv	99
27) Carbon Disulfide	4.54	76	1632802	10.913 ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2012908	9.964 ppbv	99
29) Chloroform	5.74	83	2428450	9.846 ppbv	97
30) Cyclohexane	7.12	84	1294182	10.389 ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1495687	10.271 ppbv	96
32) 1,1,1-Trichloroethane	6.50	97	2361598	9.529 ppbv	99
34) 2-Butanone	5.24	43	2265527	9.495 ppbv	99
35) Carbon Tetrachloride	7.01	117	2494829	9.754 ppbv	98
36) Benzene	6.88	78	3123831	10.170 ppbv	100
37) 1,2-Dichloroethane	6.30	62	1838205	9.524 ppbv	100
38) Trichloroethene	7.83	130	1121226	9.659 ppbv	99
39) 1,2-Dichloropropane	7.60	63	1260430	9.650 ppbv	97
40) 1,4-Dioxane	7.82	88	423178	9.870 ppbv	# 1
41) Tetrahydrofuran	6.04	42	1373253	10.319 ppbv	99
42) Bromodichloromethane	7.78	83	2553990	9.792 ppbv	98
43) Methyl Methacrylate	8.01	69	1386354	11.144 ppbv	98

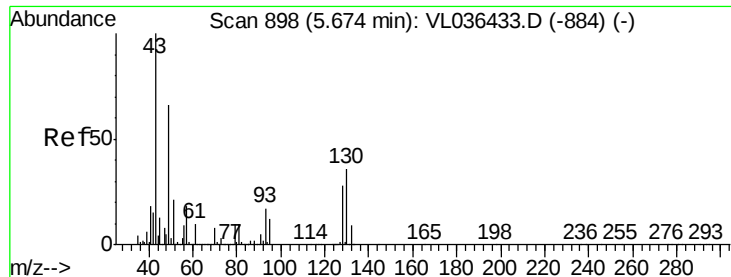
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032421\
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 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	5391889	9.627	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1459409	12.054	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1802026	11.401	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1275177	9.794	ppbv	99
48) Dibromochloromethane	10.29	129	2142461	10.866	ppbv	100
49) Bromoform	13.03	173	1803882	11.183	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	3619957	10.421	ppbv	99
51) 2-Hexanone	10.12	43	2970135	11.310	ppbv #	99
52) Tetrachloroethene	11.22	164	1065874	9.253	ppbv	98
53) Toluene	9.80	91	3534753	10.685	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1909065	10.156	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1611931	9.727	ppbv #	60
57) Chlorobenzene	12.14	112	2625806	9.722	ppbv	96
58) Ethyl Benzene	12.70	91	4839072	10.415	ppbv	98
59) m/p-Xylene	12.99	91	8266250m	20.121	ppbv	
60) o-Xylene	13.69	91	3920341	9.934	ppbv	99
61) Styrene	13.52	104	2764212	11.518	ppbv	100
62) Isopropylbenzene	14.66	105	5801373	9.749	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	2812737	9.116	ppbv	100
64) n-propylbenzene	15.55	120	1534827	10.326	ppbv	99
65) tert-Butylbenzene	16.74	119	5045039	9.745	ppbv	99
66) Benzyl Chloride	16.98	91	1810536	12.527	ppbv	99
67) sec-Butylbenzene	17.29	105	7102606	9.824	ppbv	100
69) p-Isopropyltoluene	17.64	119	5871321	10.150	ppbv	100
70) n-Butylbenzene	18.54	91	6045260	10.110	ppbv	100
71) 2-Chlorotoluene	15.45	91	4534408	10.130	ppbv	99
72) 4-Ethyltoluene	15.83	105	4492940	10.482	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4272724	10.274	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4371251	9.900	ppbv	99
75) 1,3-Dichlorobenzene	16.99	146	2447578	9.982	ppbv	100
76) 1,4-Dichlorobenzene	17.13	146	2344122	9.567	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2370867	9.875	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1651381	8.643	ppbv	99
79) Naphthalene	22.19	128	3097685	11.977	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	1048115	18.742	ppbv	96
81) 1,2,4-Trichlorobenzene	21.92	180	1650493	11.102	ppbv	98

(#) = 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: 24 Mar 2021 9:18

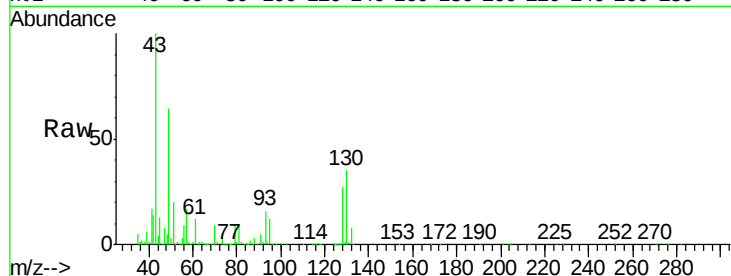
Tot Ion: 49 Resp: 1658175

Ion Ratio Lower Upper

49 100

128 44.1 22.4 67.2

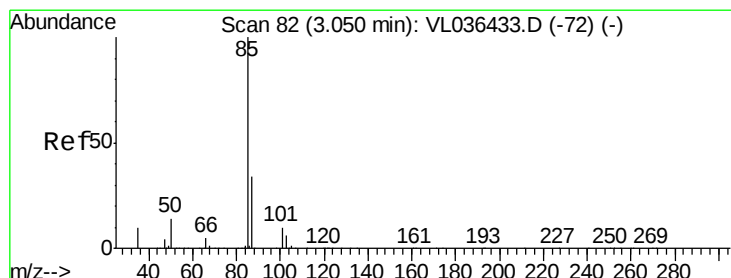
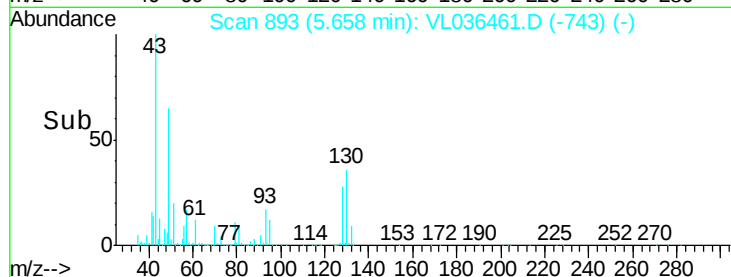
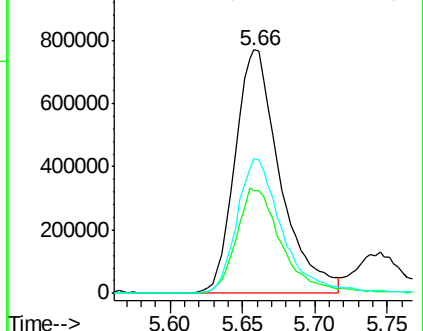
130 56.9 28.0 84.0



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: 8.818 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL036461.D

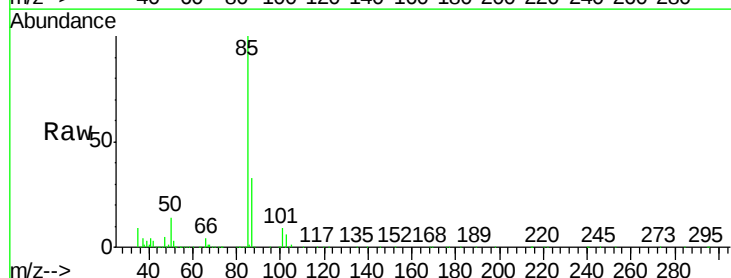
Acq: 24 Mar 2021 9:18

Tgt Ion: 85 Resp: 2020835

Ion Ratio Lower Upper

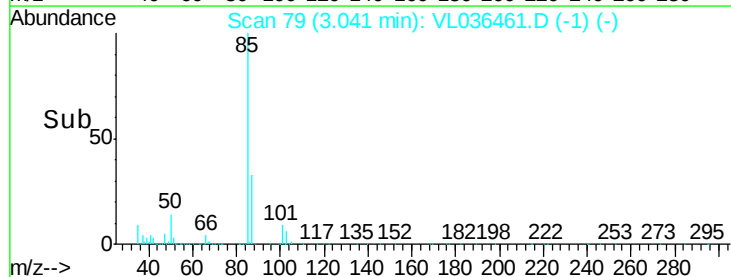
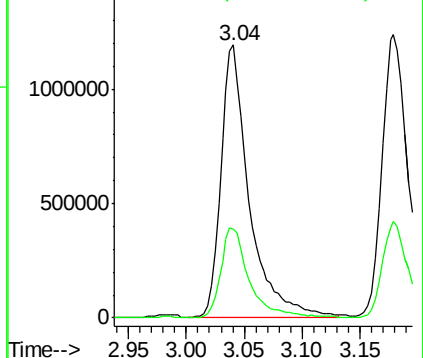
85 100

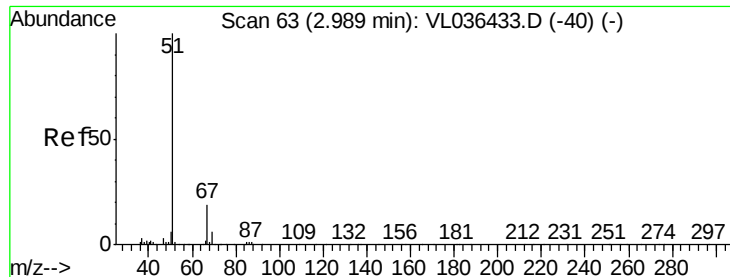
87 32.5 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.593 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

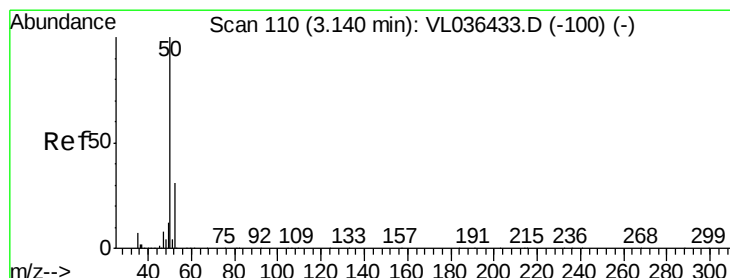
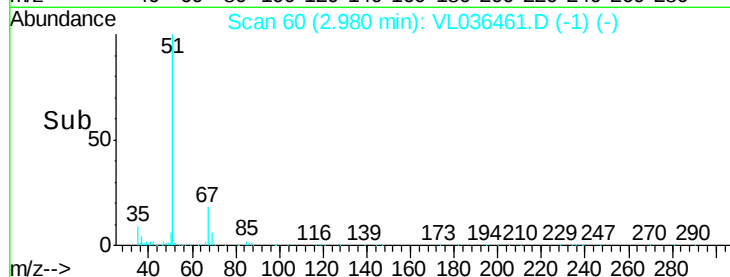
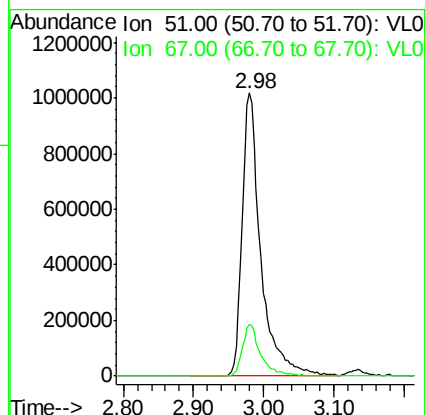
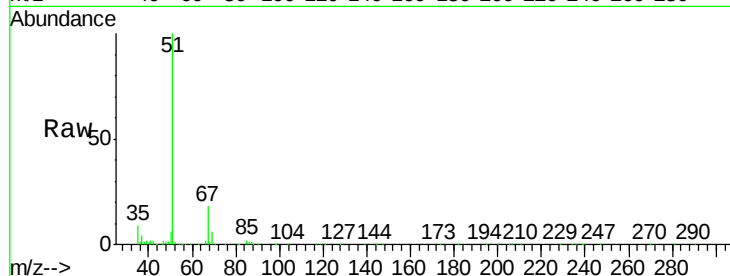
Acq: 24 Mar 2021 9:18

Tot Ion: 51 Resp: 1881337

Ion Ratio Lower Upper

51 100

67 18.0 14.8 22.2



#4

Chloromethane

Concen: 9.821 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036461.D

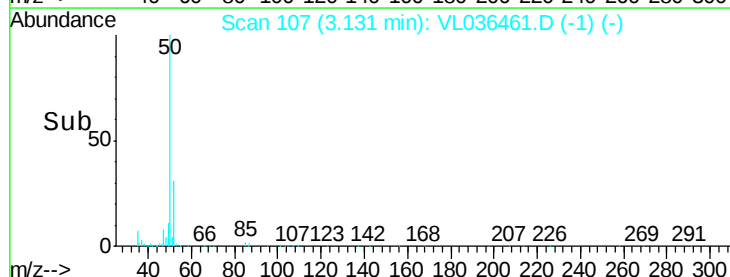
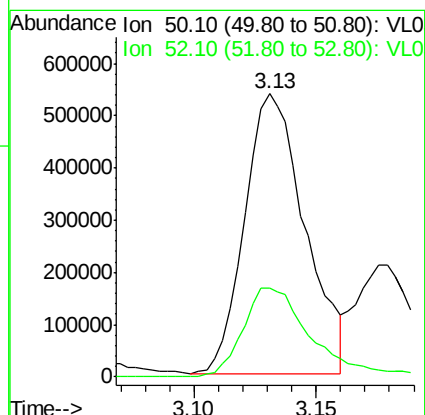
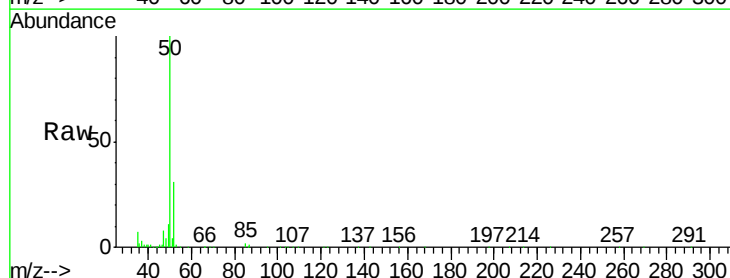
Acq: 24 Mar 2021 9:18

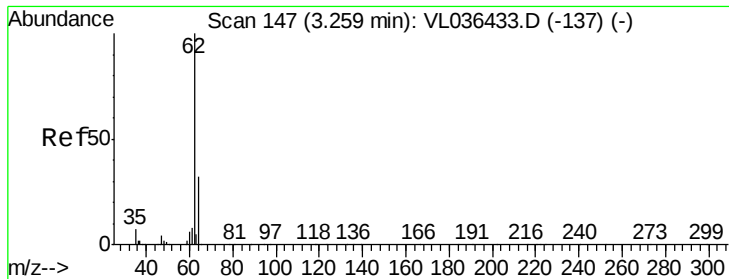
Tgt Ion: 50 Resp: 915359

Ion Ratio Lower Upper

50 100

52 31.8 24.6 36.8





#5

Vinyl Chloride

Concen: 10.483 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

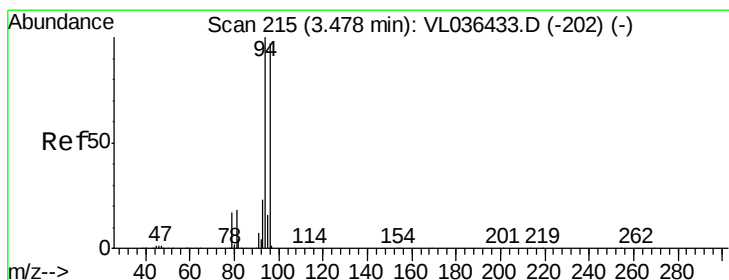
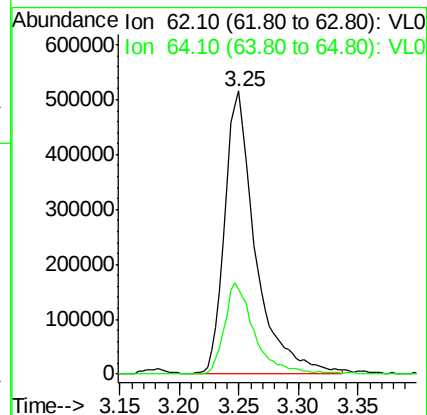
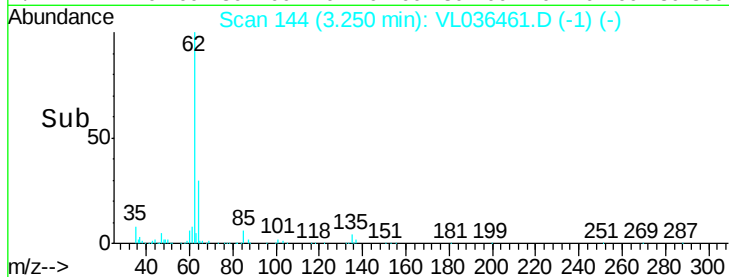
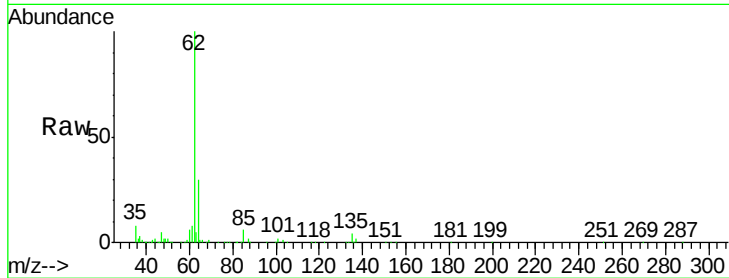
Acq: 24 Mar 2021 9:18

Tot Ion: 62 Resp: 922473

Ion Ratio Lower Upper

62 100

64 30.2 25.4 38.2



#6

Bromomethane

Concen: 9.922 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL036461.D

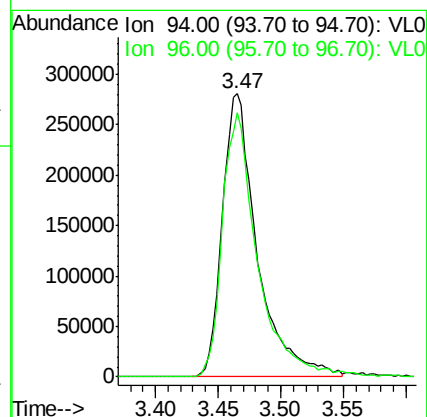
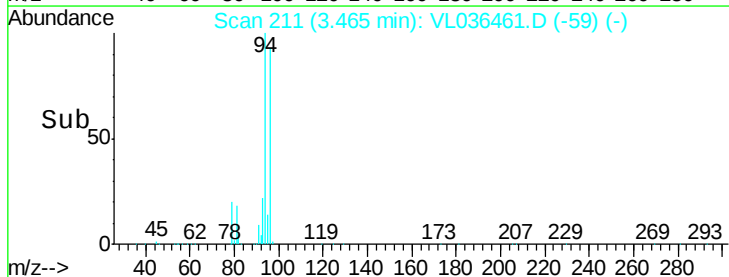
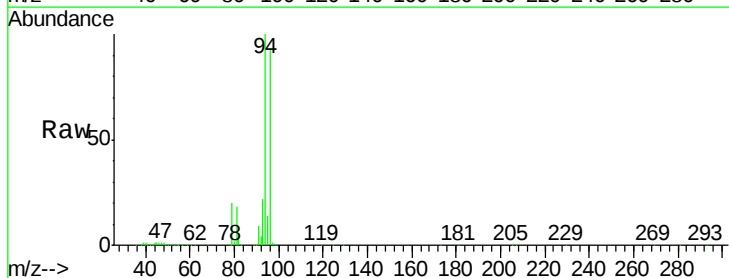
Acq: 24 Mar 2021 9:18

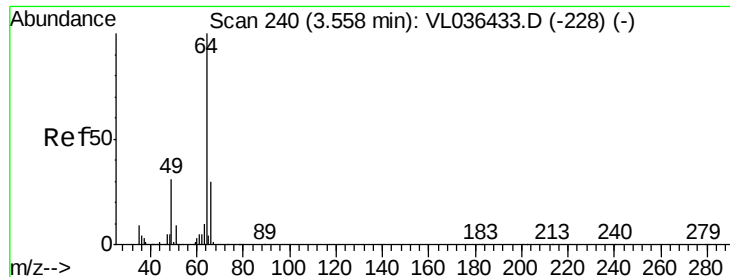
Tgt Ion: 94 Resp: 541310

Ion Ratio Lower Upper

94 100

96 93.2 77.3 115.9





#7

Chloroethane

Concen: 9.526 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

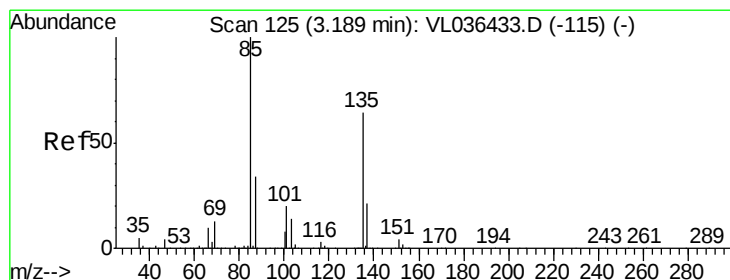
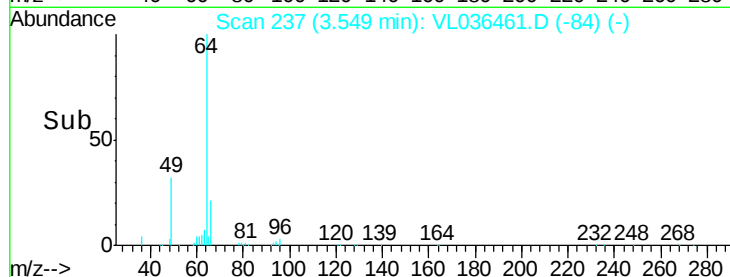
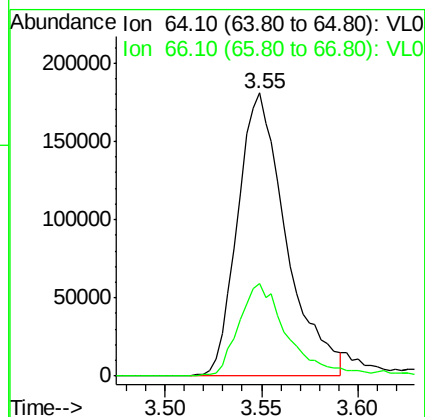
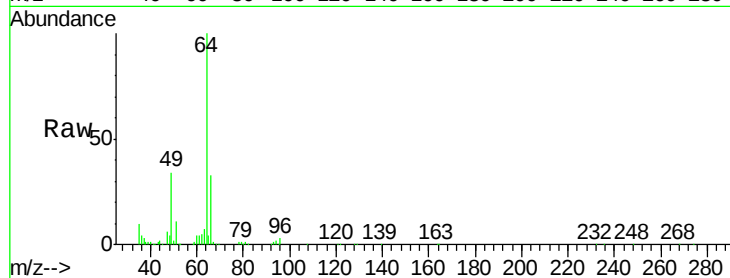
Acq: 24 Mar 2021 9:18

Tot Ion: 64 Resp: 315773

Ion Ratio Lower Upper

64 100

66 32.7 24.3 36.5



#8

Dichlorotetrafluoroethane

Concen: 9.389 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL036461.D

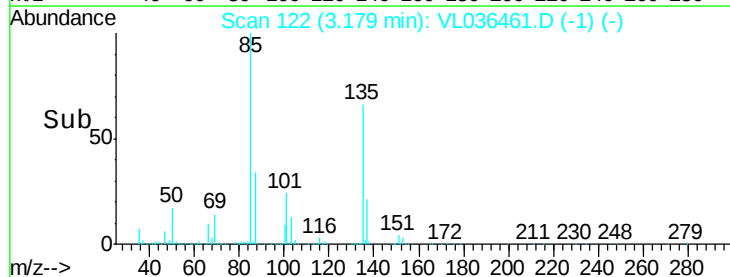
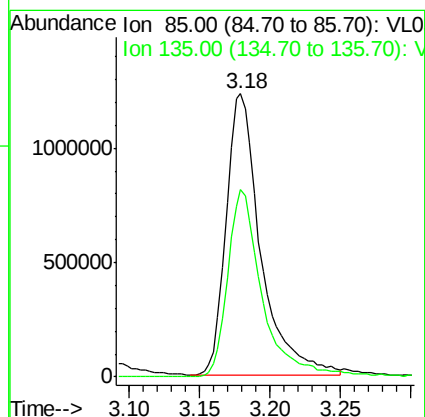
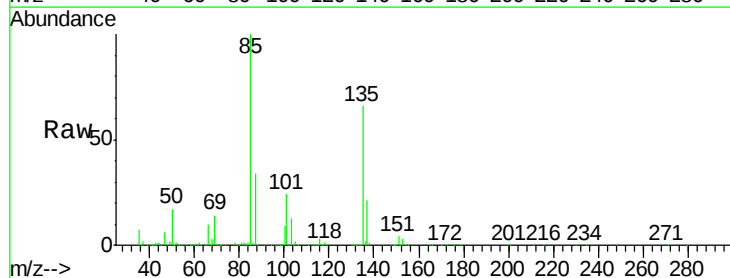
Acq: 24 Mar 2021 9:18

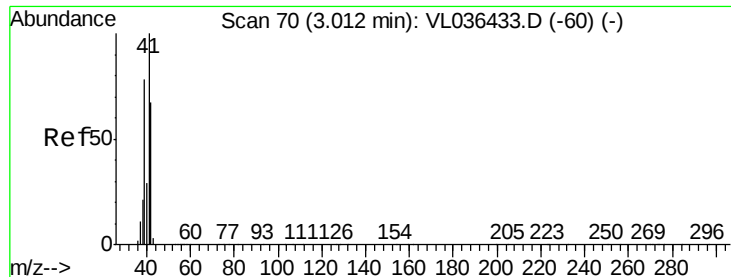
Tgt Ion: 85 Resp: 2113673

Ion Ratio Lower Upper

85 100

135 67.4 52.8 79.2





#9

Propene

Concen: 9.843 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

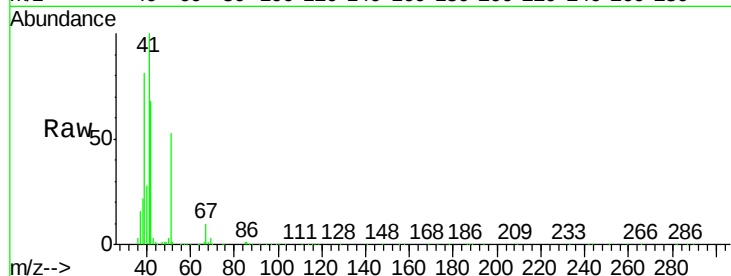
Acq: 24 Mar 2021 9:18

Tot Ion: 41 Resp: 841248

Ion Ratio Lower Upper

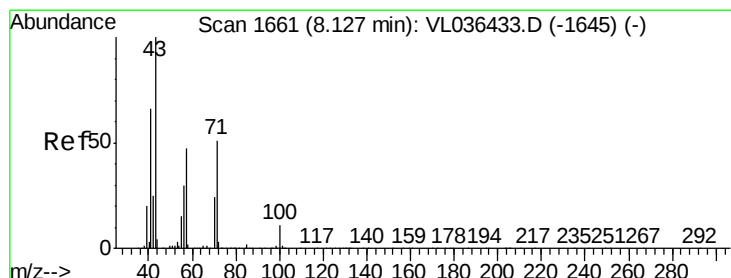
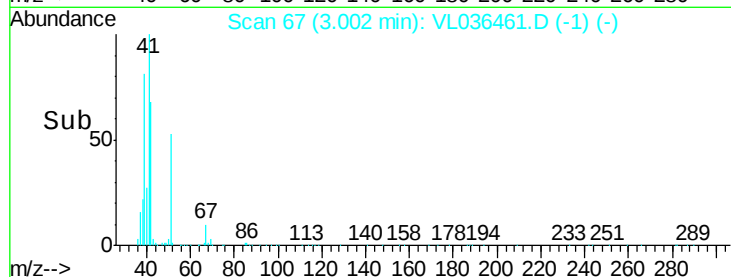
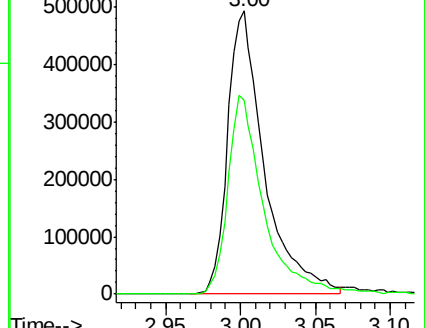
41 100

42 69.6 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.382 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL036461.D

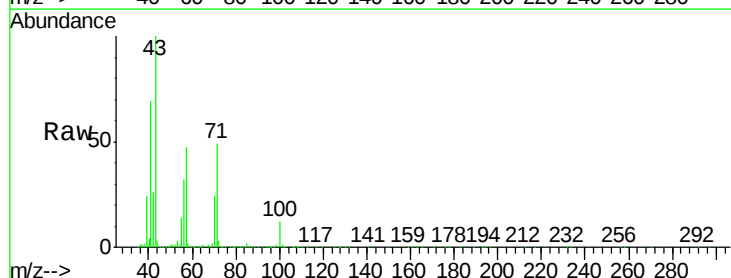
Acq: 24 Mar 2021 9:18

Tgt Ion: 43 Resp: 2187511

Ion Ratio Lower Upper

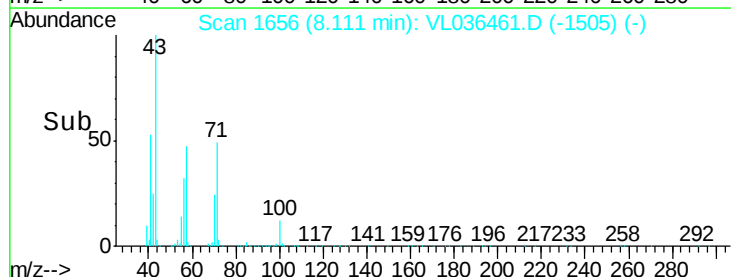
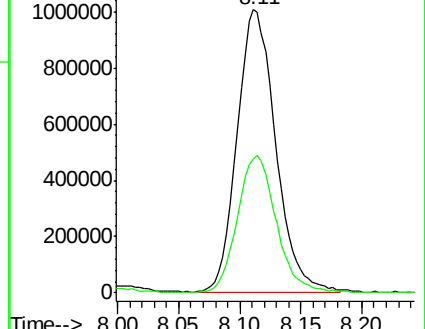
43 100

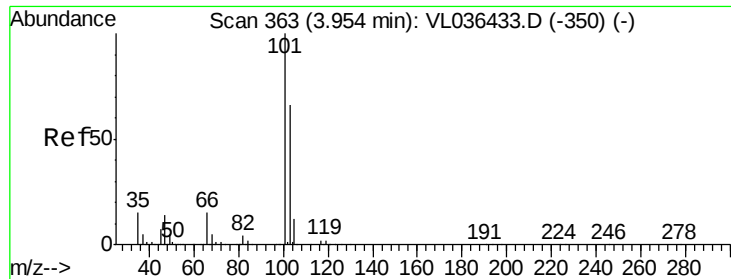
57 49.0 39.1 58.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

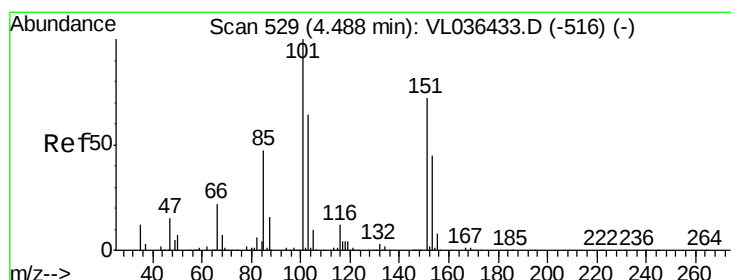
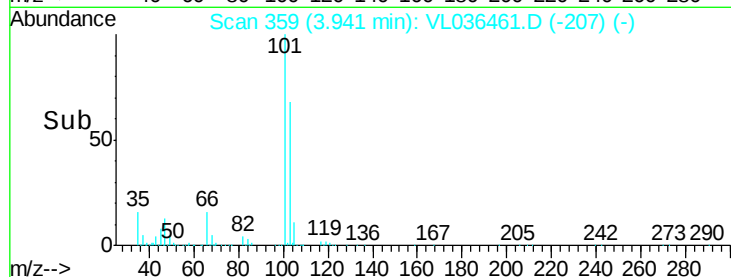
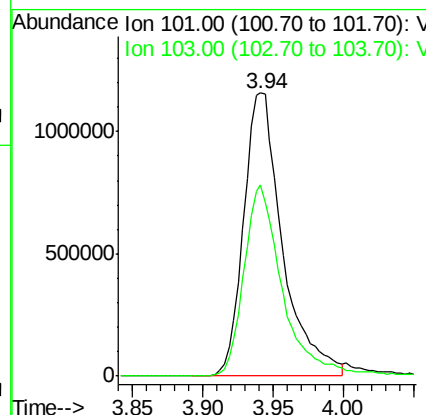
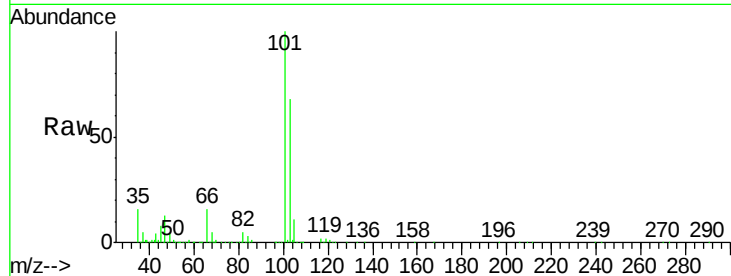
Ion 57.10 (56.80 to 57.80): VL0





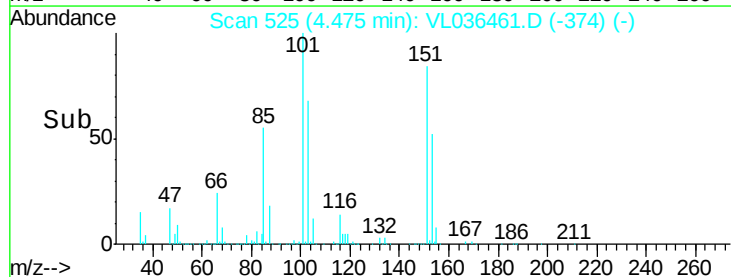
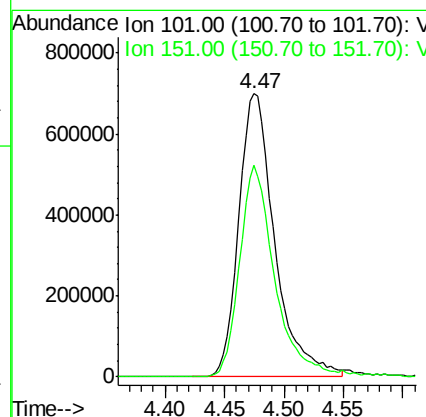
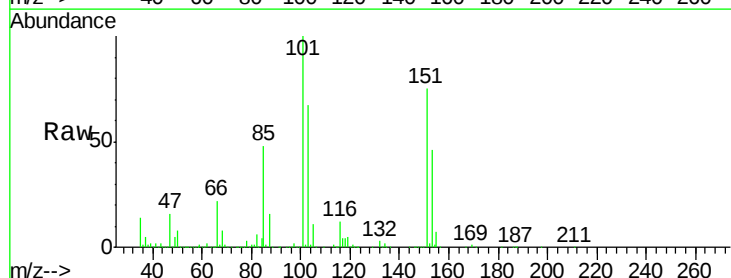
#11
 Trichlorofluoromethane
 Concen: 9.482 ppbv
 RT: 3.94 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 9:18

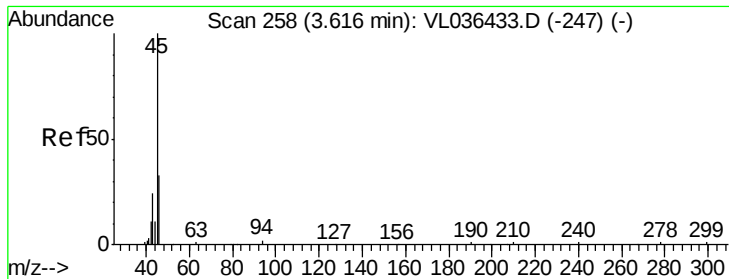
Tot Ion:101 Resp: 2243889
 Ion Ratio Lower Upper
 101 100
 103 67.8 52.4 78.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.751 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.01 min
 Lab File: VL036461.D
 Acq: 24 Mar 2021 9:18

Tgt Ion:101 Resp: 1471688
 Ion Ratio Lower Upper
 101 100
 151 73.7 59.0 88.4





#13

Ethanol

Concen: 12.421 ppbv m

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

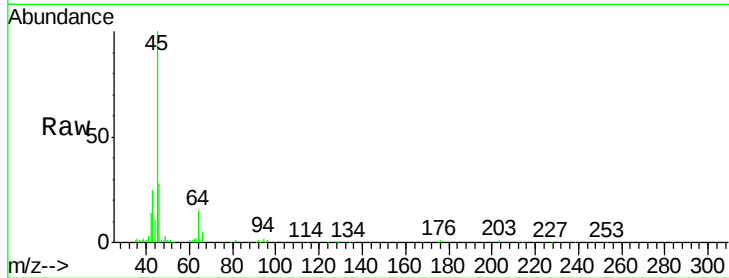
Acq: 24 Mar 2021 9:18

Tot Ion: 45 Resp: 162869

Ion Ratio Lower Upper

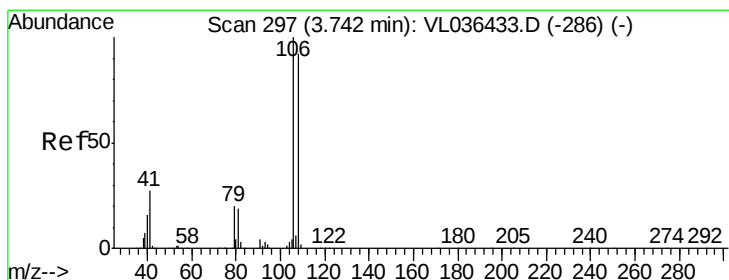
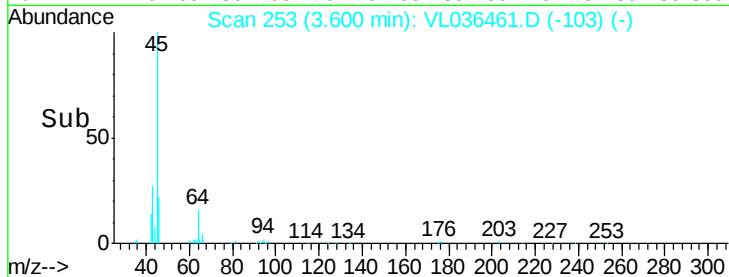
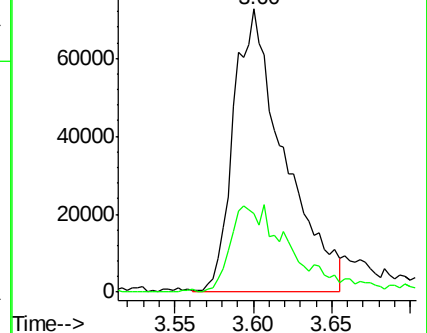
45 100

46 37.2 16.8 67.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.913 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.01 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

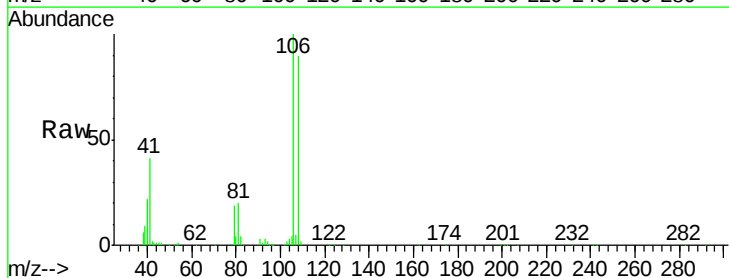
Tgt Ion: 108 Resp: 621177

Ion Ratio Lower Upper

108 100

106 109.5 87.0 130.4

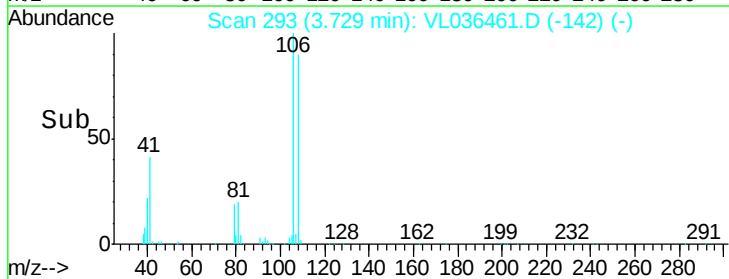
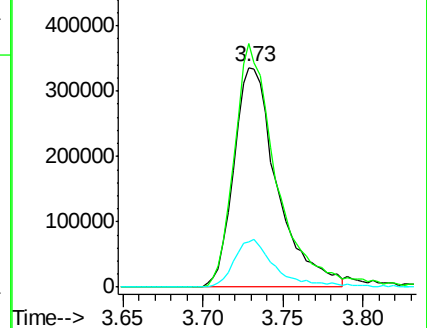
79 21.2 17.1 25.7

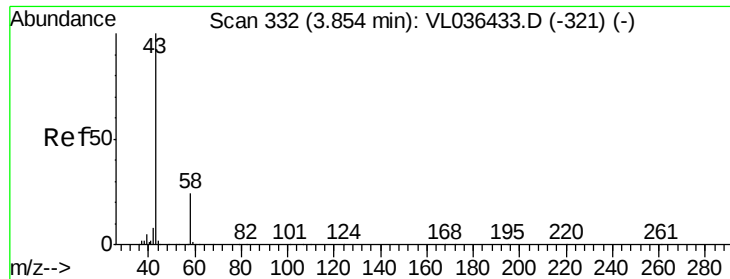


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.262 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

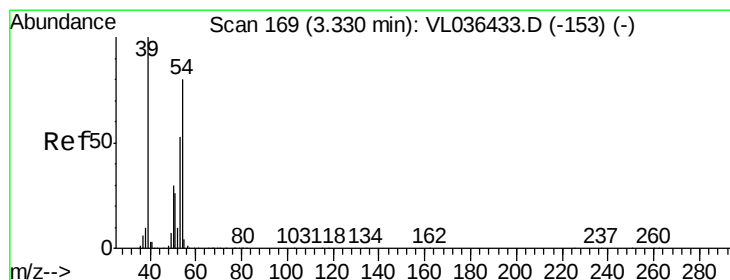
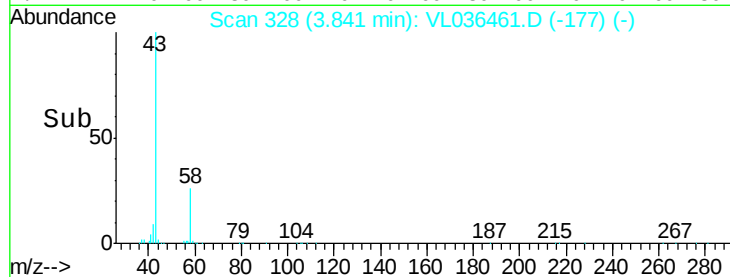
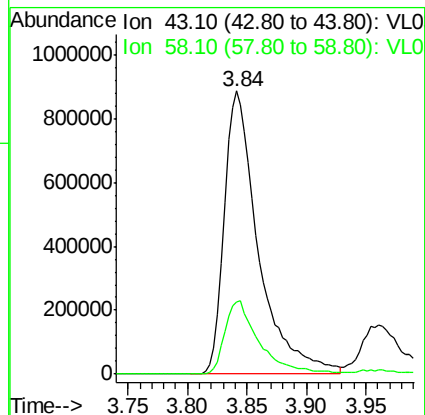
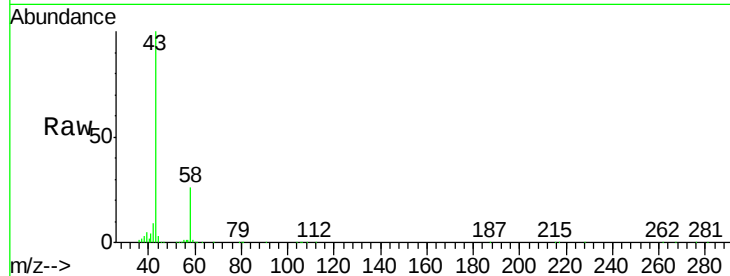
Acq: 24 Mar 2021 9:18

Tot Ion: 43 Resp: 1755062

Ion Ratio Lower Upper

43 100

58 26.2 21.0 31.6



#16

1,3-Butadiene

Concen: 9.652 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL036461.D

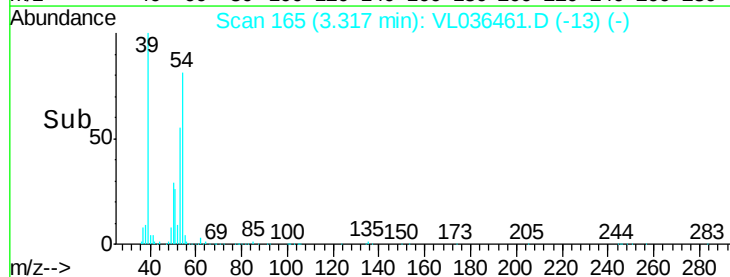
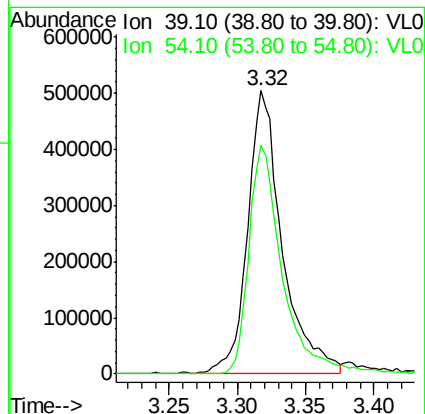
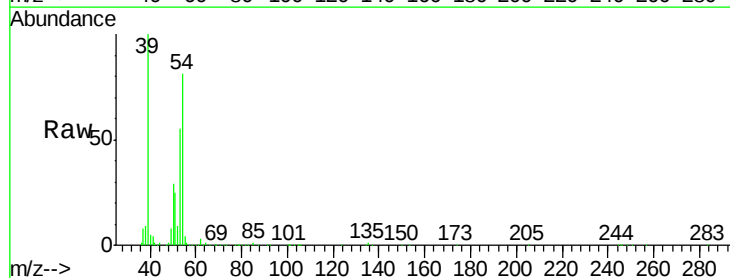
Acq: 24 Mar 2021 9:18

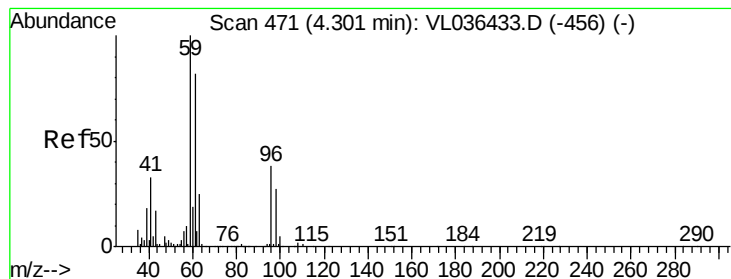
Tgt Ion: 39 Resp: 882195

Ion Ratio Lower Upper

39 100

54 79.6 64.5 96.7





#17

tert-Butyl alcohol

Concen: 11.248 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

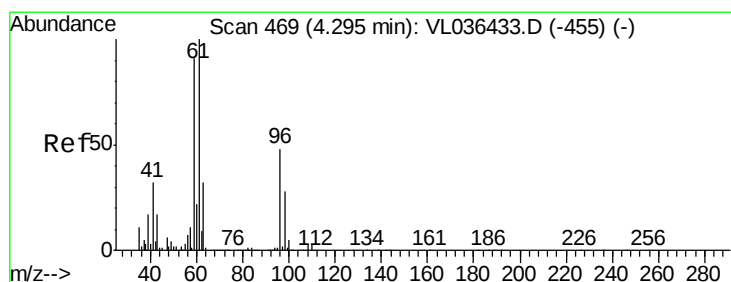
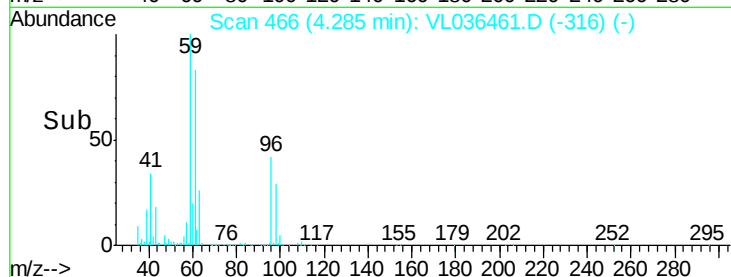
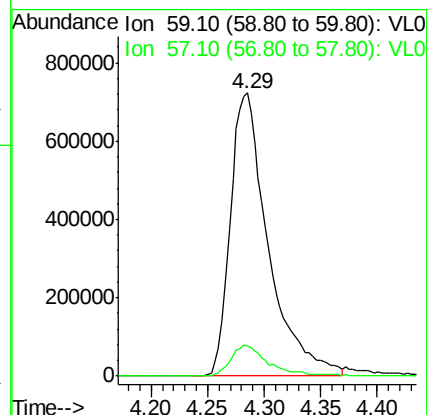
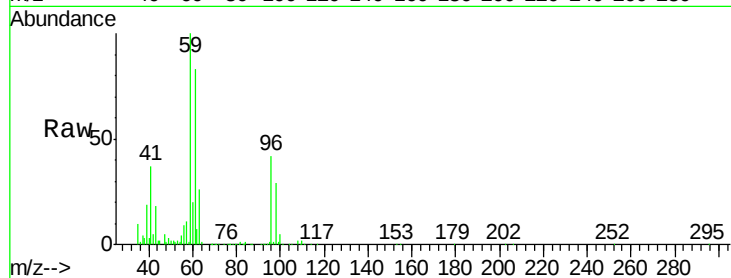
Acq: 24 Mar 2021 9:18

Tot Ion: 59 Resp: 1690037

Ion Ratio Lower Upper

59 100

57 11.0 8.9 13.3



#18

1,1-Dichloroethene

Concen: 9.475 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

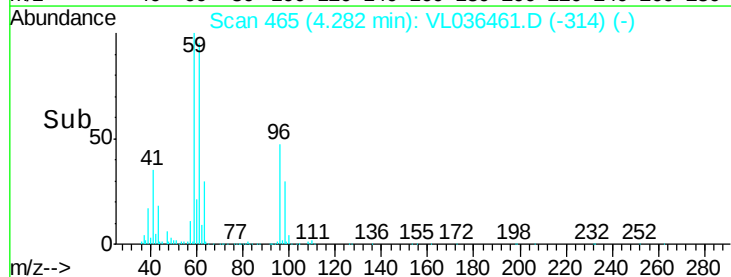
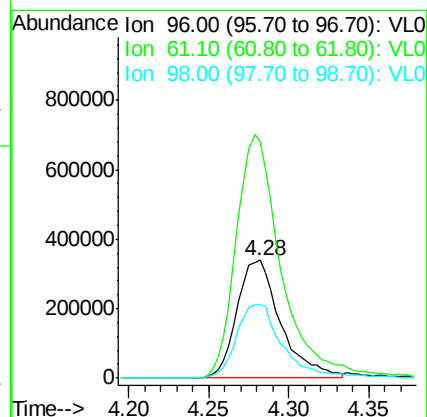
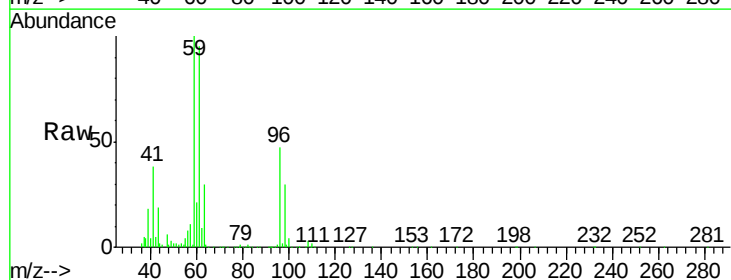
Tgt Ion: 96 Resp: 636010

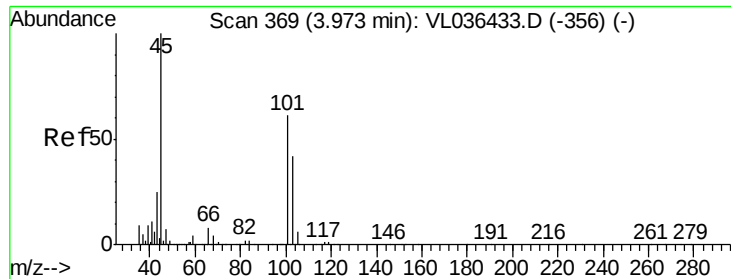
Ion Ratio Lower Upper

96 100

61 200.3 168.2 252.2

98 62.7 47.8 71.6





#19

Isopropyl Alcohol

Concen: 10.520 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

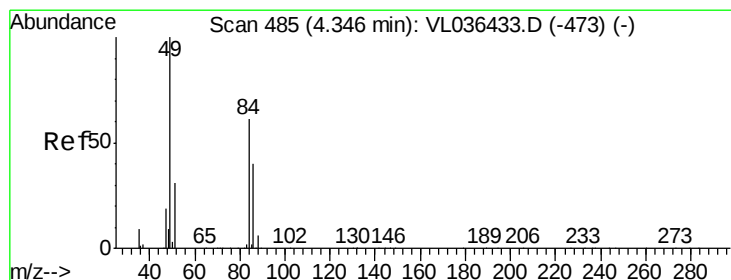
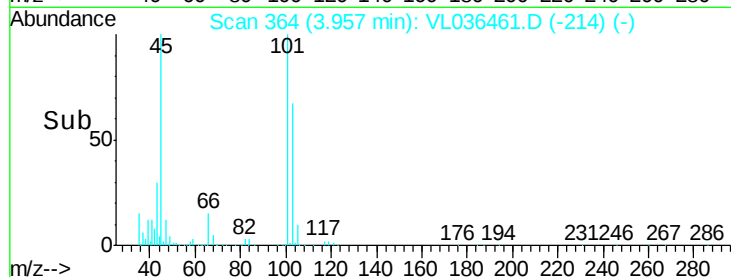
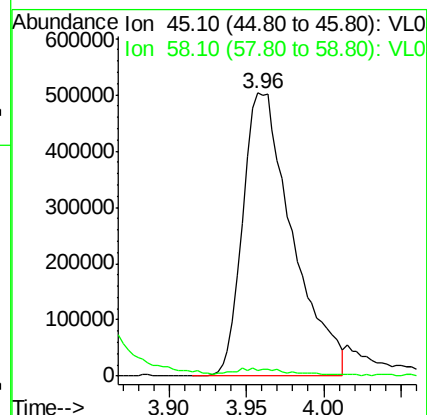
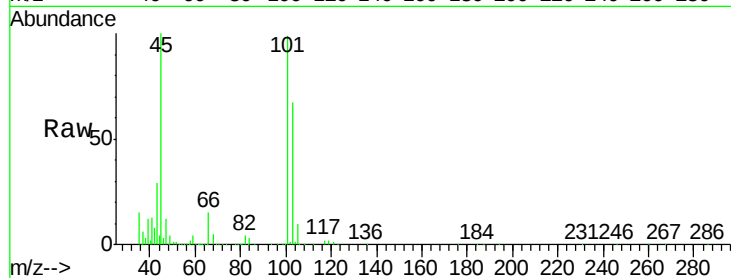
Acq: 24 Mar 2021 9:18

Tot Ion: 45 Resp: 1120366

Ion Ratio Lower Upper

45 100

58 3.8 2.0 3.0#



#20

Methylene Chloride

Concen: 8.804 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

Tgt Ion: 84 Resp: 562383

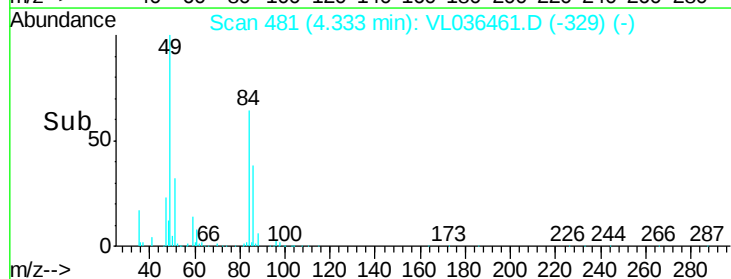
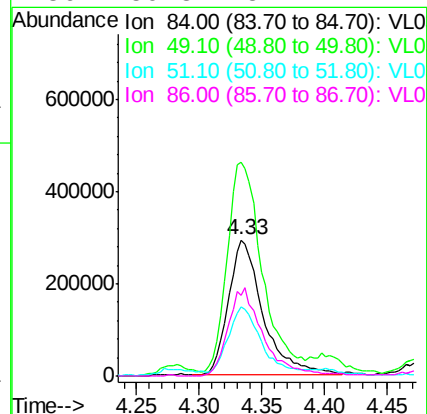
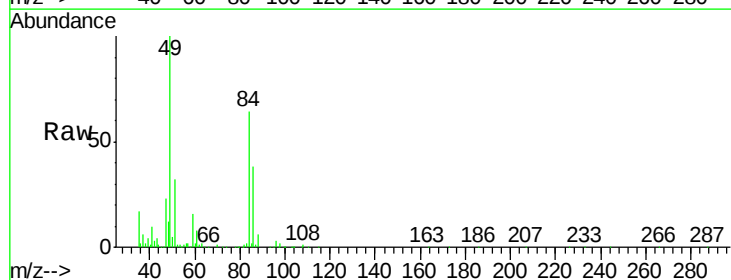
Ion Ratio Lower Upper

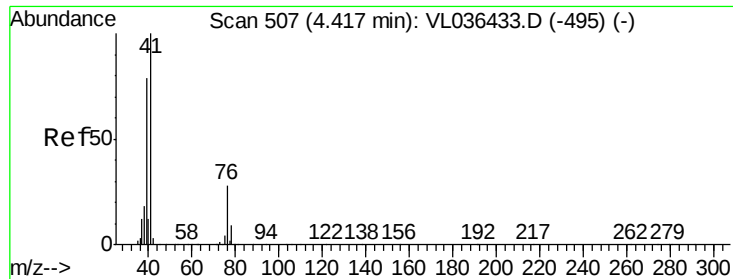
84 100

49 153.2 130.2 195.2

51 48.3 40.5 60.7

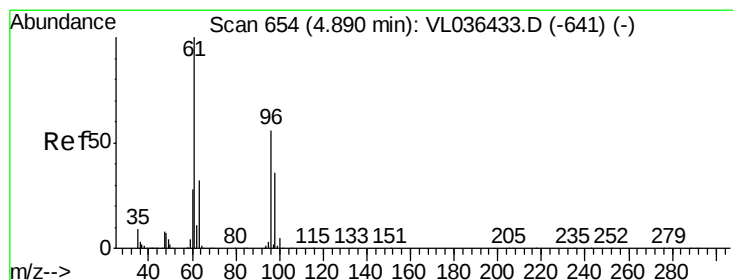
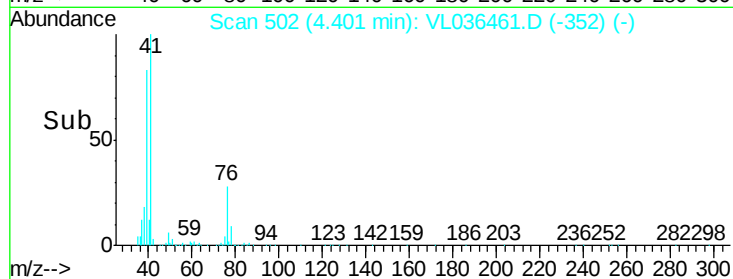
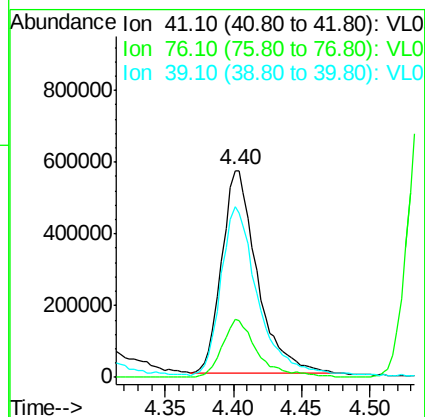
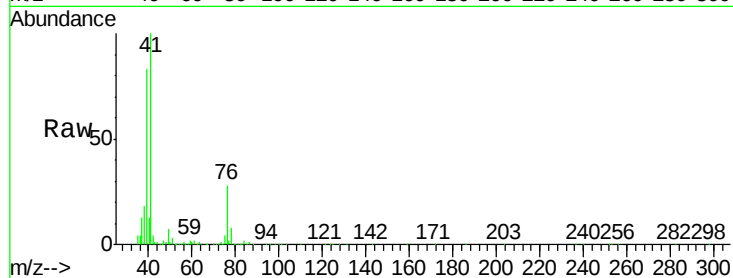
86 59.8 51.4 77.2





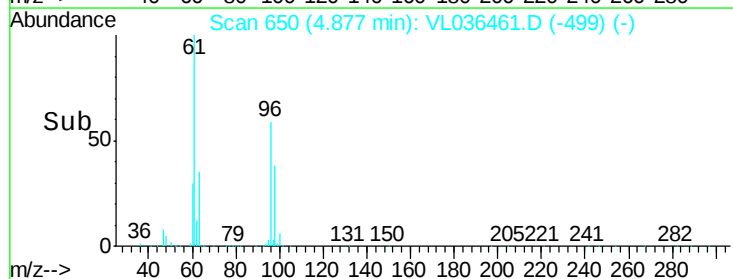
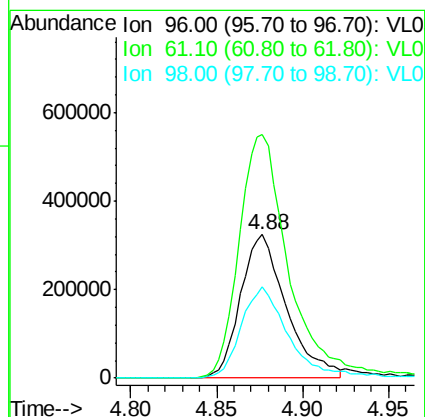
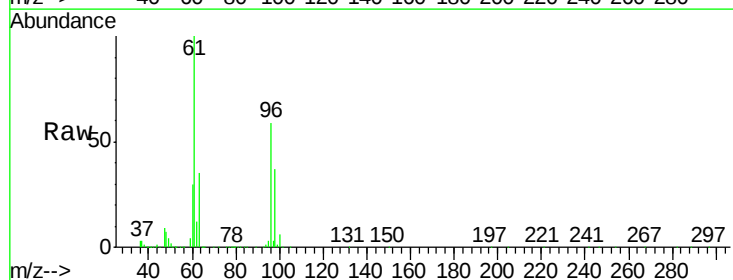
#21
 Allvl Chloride
 Concen: 9.604 ppbv
 RT: 4.40
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 9:18

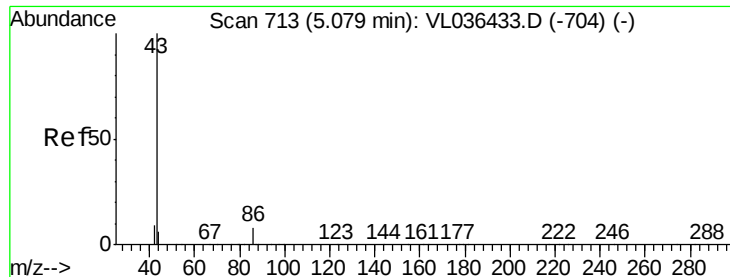
Tot Ion: 41 Resp: 1026147
 Ion Ratio Lower Upper
 41 100
 76 28.7 21.8 32.8
 39 86.9 66.0 99.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.876 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. -0.01 min
 Lab File: VL036461.D
 Acq: 24 Mar 2021 9:18

Tgt Ion: 96 Resp: 600260
 Ion Ratio Lower Upper
 96 100
 61 169.5 142.1 213.1
 98 63.2 50.6 75.8

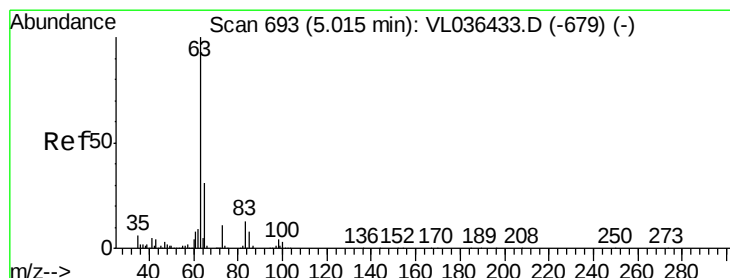
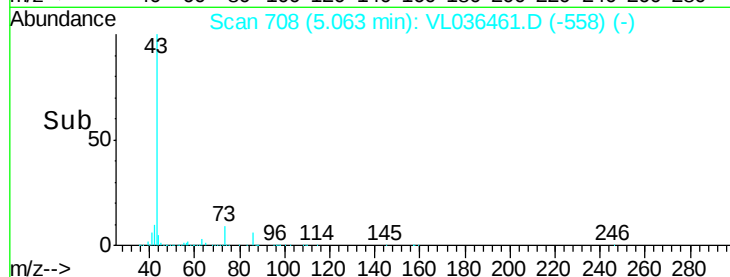
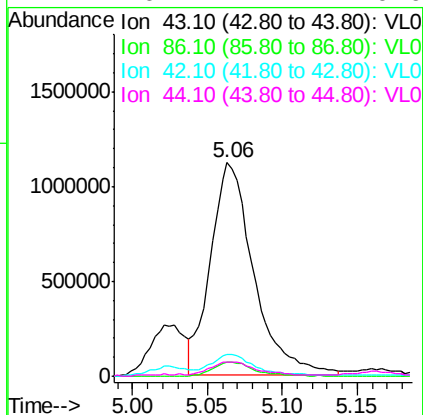
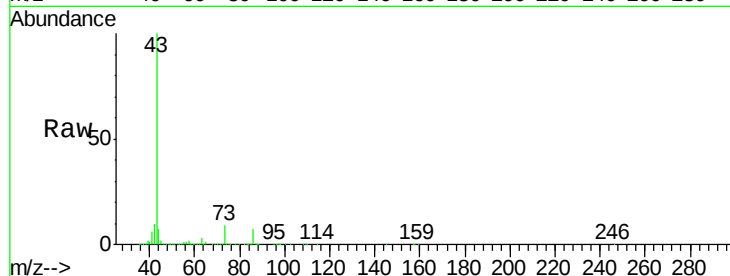




#23
 Vinyl Acetate
 Concen: 10.494 ppbv
 RT: 5.06
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 9:18

Tot Ion: 43 Resp: 2250605

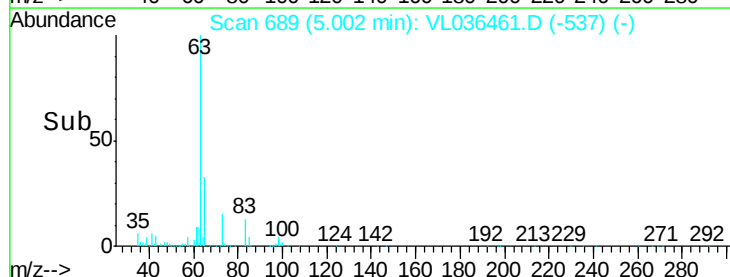
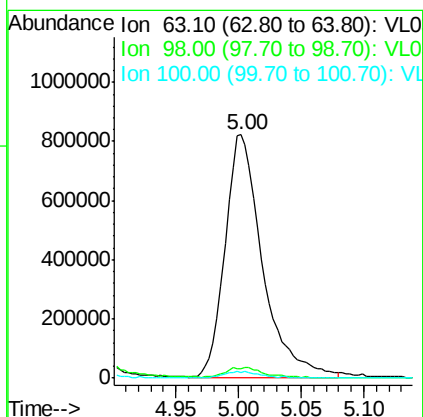
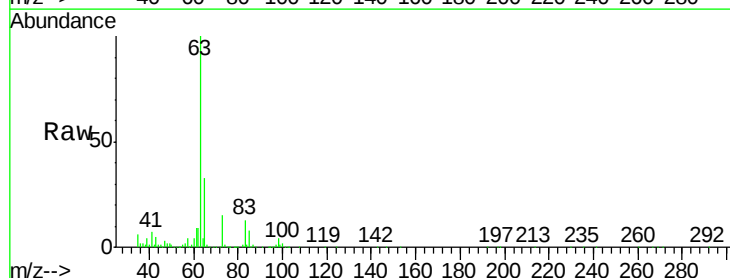
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.2	7.8
42	10.3	8.3	12.5
44	6.1	4.4	6.6

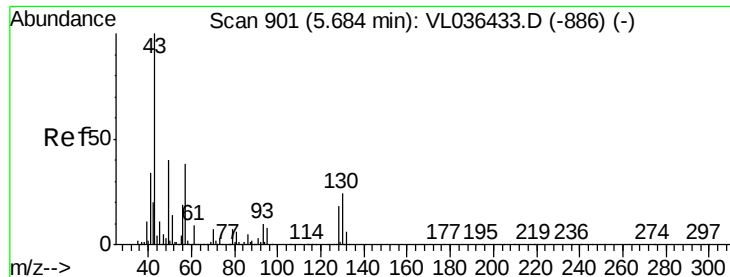


#24
 1,1-Dichloroethane
 Concen: 10.102 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T.: -0.01 min
 Lab File: VL036461.D
 Acq: 24 Mar 2021 9:18

Tgt Ion: 63 Resp: 1709924

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	5.8
100	2.0	1.3	3.8





#25

Ethyl Acetate

Concen: 9.926 ppbv

RT: 5.67

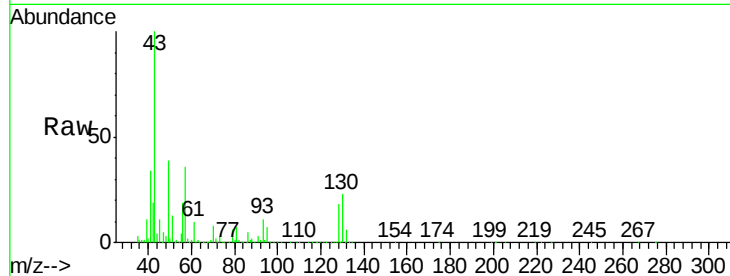
Delta R.T. MSVOA_L

Lab File:

Acq: 24 Mar 2021 9:18

Tot Ion: 43 Resp: 3657038

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.0	12.0
61	9.6	7.7	11.5
70	7.0	5.4	8.0

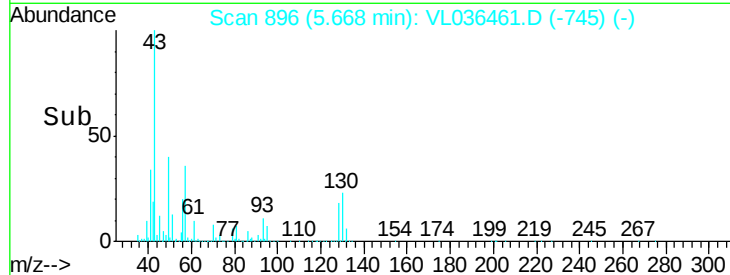
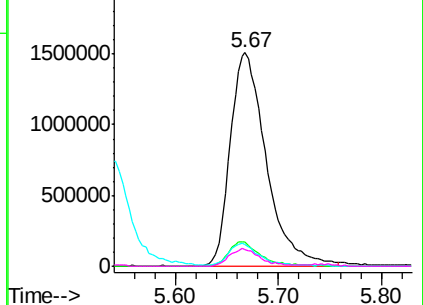


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.881 ppbv

RT: 5.68 min Scan# 899

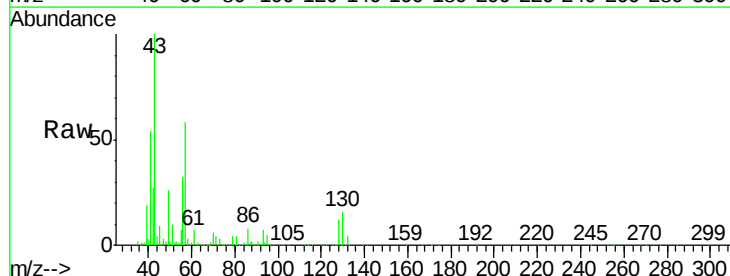
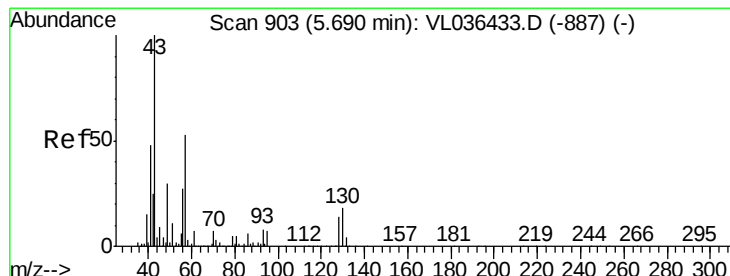
Delta R.T. -0.01 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

Tgt Ion: 57 Resp: 1489704

Ion	Ratio	Lower	Upper
57	100		
41	100.2	80.4	120.6
43	249.0	199.8	299.6
56	55.9	43.8	65.8

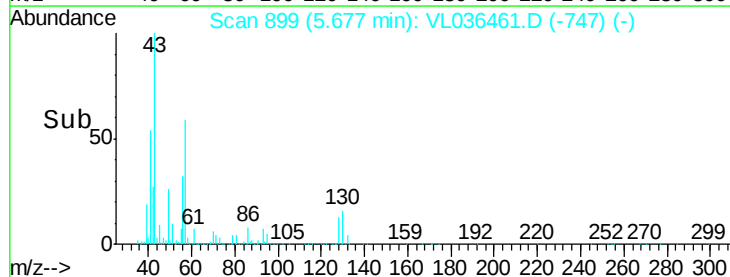
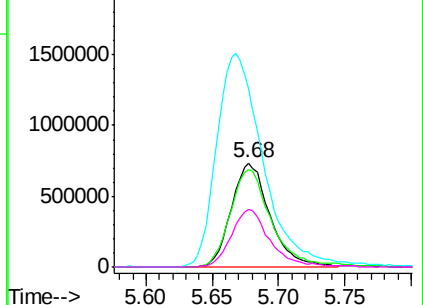


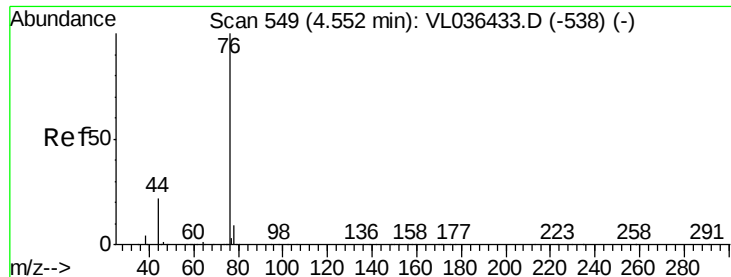
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 10.913 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 24 Mar 2021 9:18

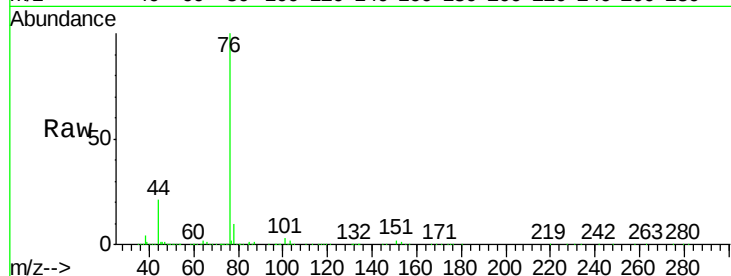
Tot Ion: 76 Resp: 1632802

Ion Ratio Lower Upper

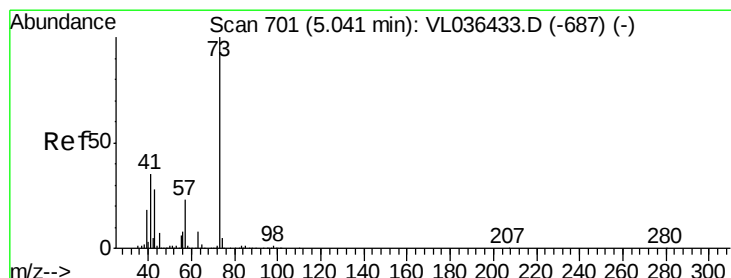
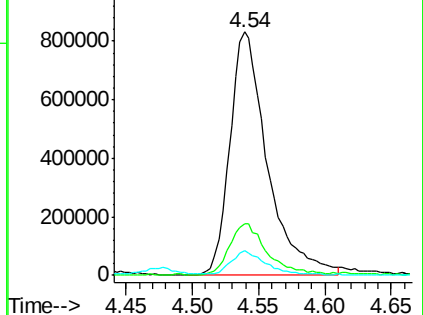
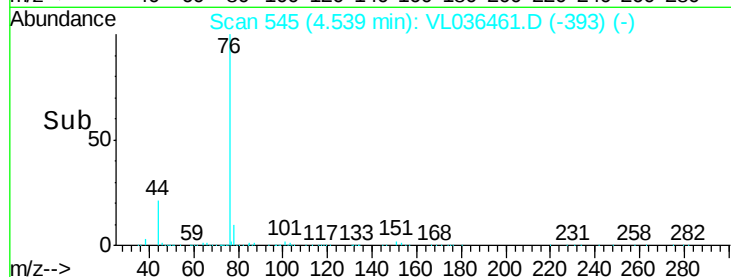
76 100

44 21.7 17.4 26.0

78 9.8 7.4 11.0



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

Methyl tert-Butyl Ether

Concen: 9.964 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL036461.D

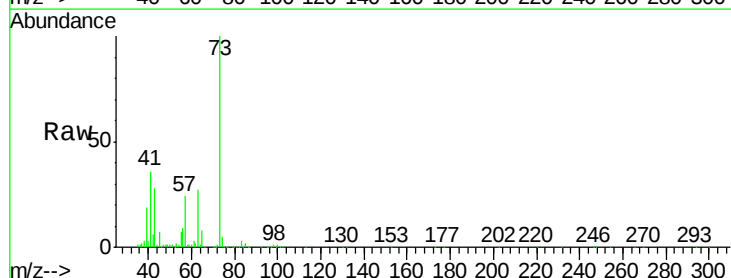
Acq: 24 Mar 2021 9:18

Tgt Ion: 73 Resp: 2012908

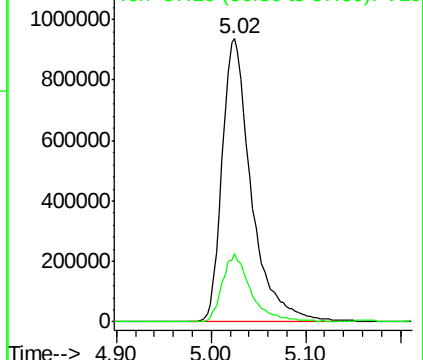
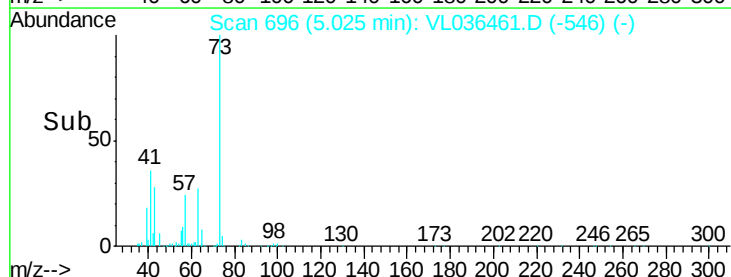
Ion Ratio Lower Upper

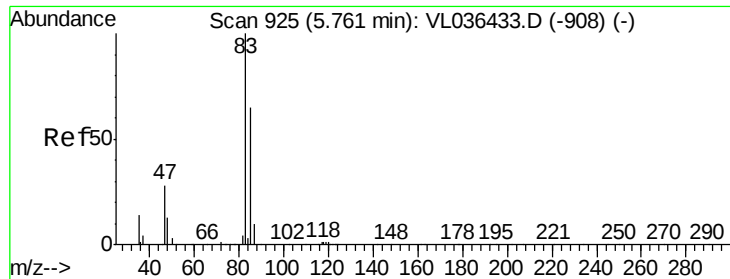
73 100

57 23.5 19.0 28.6



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.846 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

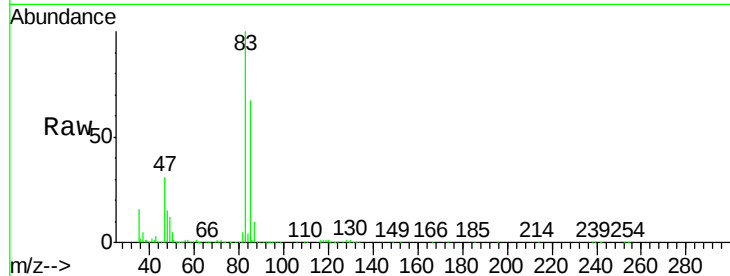
Acq: 24 Mar 2021 9:18

Tot Ion: 83 Resp: 2428450

Ion Ratio Lower Upper

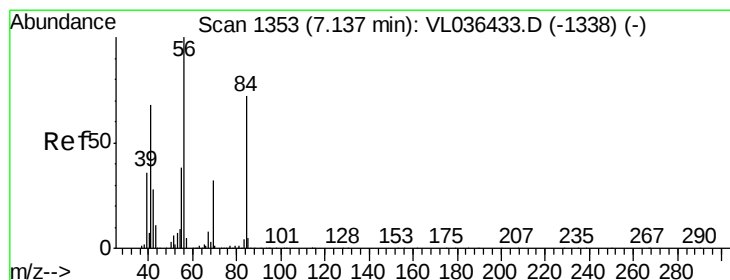
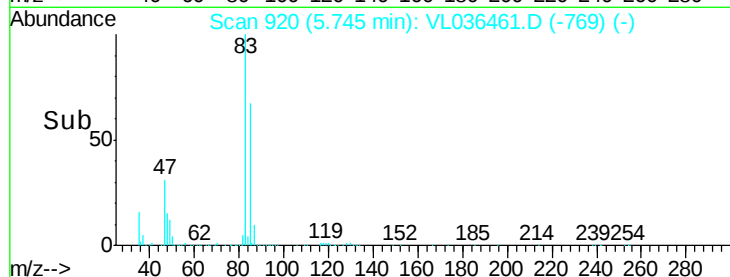
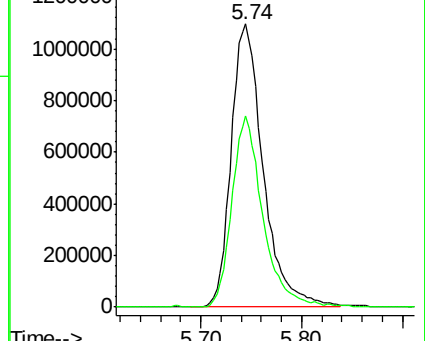
83 100

85 67.2 51.9 77.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.389 ppbv

RT: 7.12 min Scan# 1348

Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

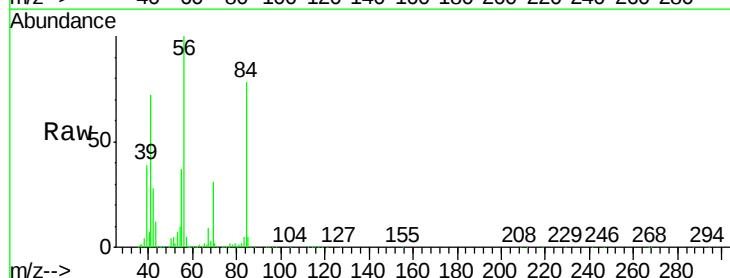
Tgt Ion: 84 Resp: 1294182

Ion Ratio Lower Upper

84 100

56 143.5 117.6 176.4

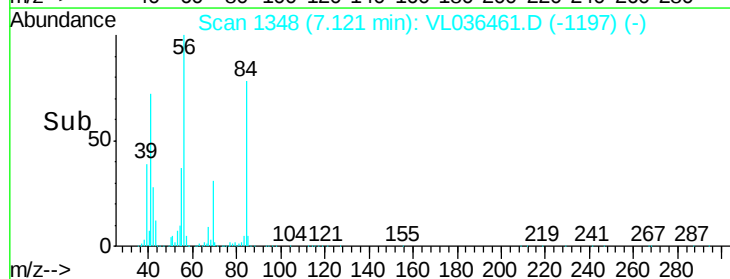
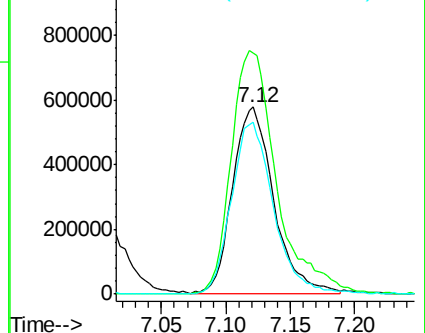
41 93.5 75.9 113.9

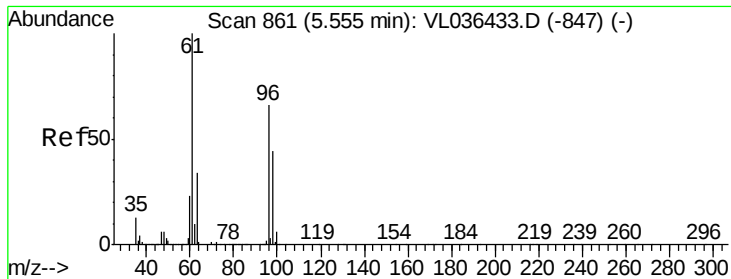


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 10.271 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 9:18

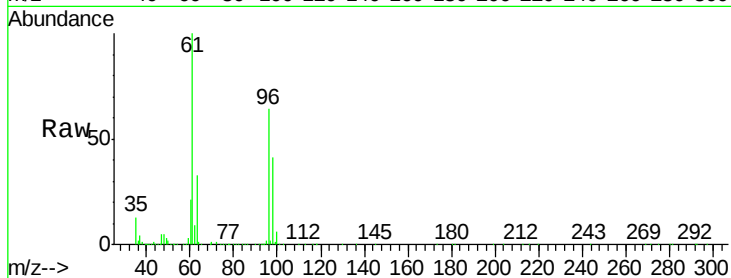
Tot Ion: 61 Resp: 1495687

Ion Ratio Lower Upper

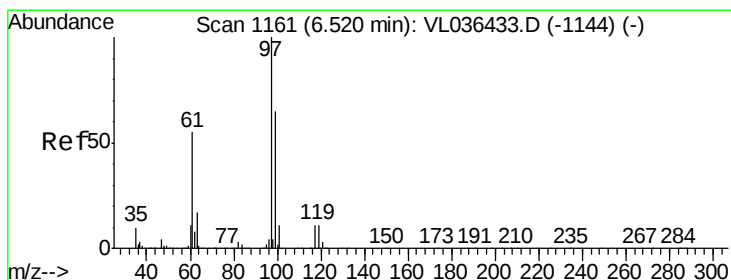
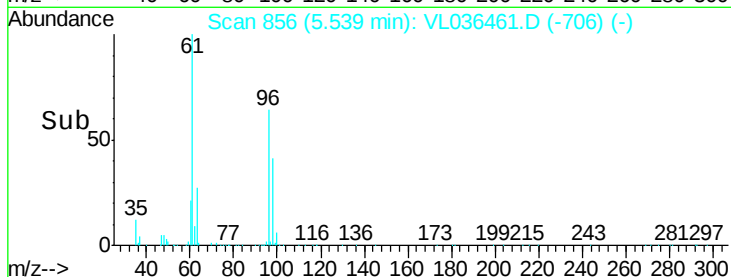
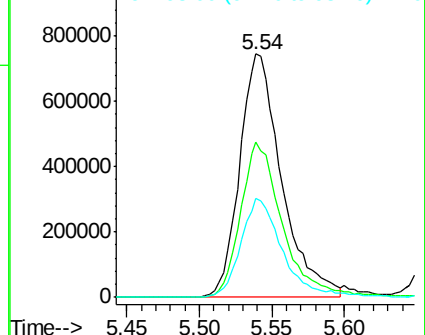
61 100

96 63.7 52.9 79.3

98 40.8 34.9 52.3



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



#32

1,1,1-Trichloroethane

Concen: 9.529 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

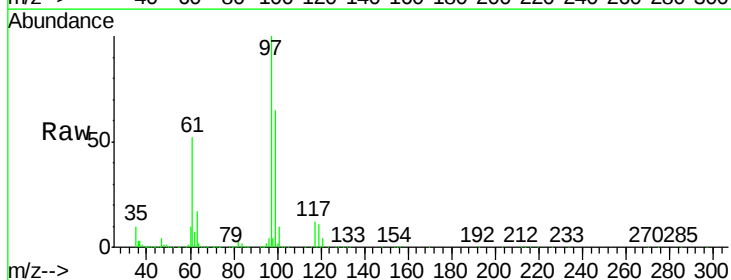
Tgt Ion: 97 Resp: 2361598

Ion Ratio Lower Upper

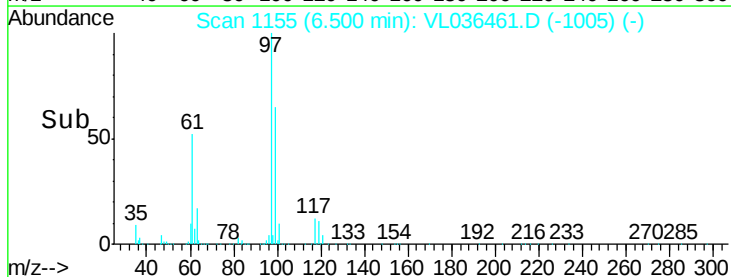
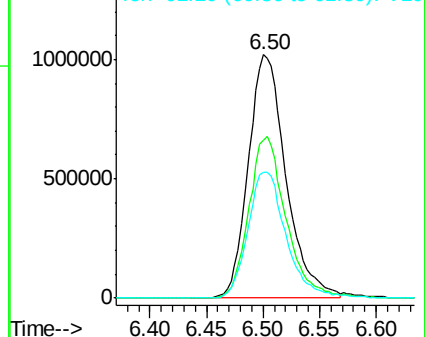
97 100

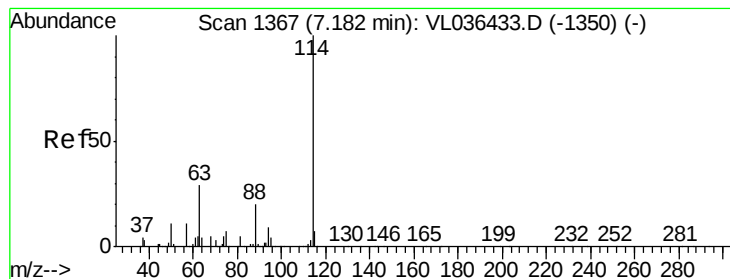
99 65.9 52.1 78.1

61 53.1 42.2 63.4



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 9:18

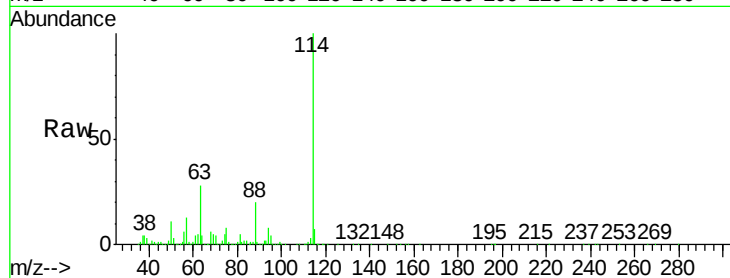
Tot Ion:114 Resp: 3958554

Ion Ratio Lower Upper

114 100

63 28.6 23.3 34.9

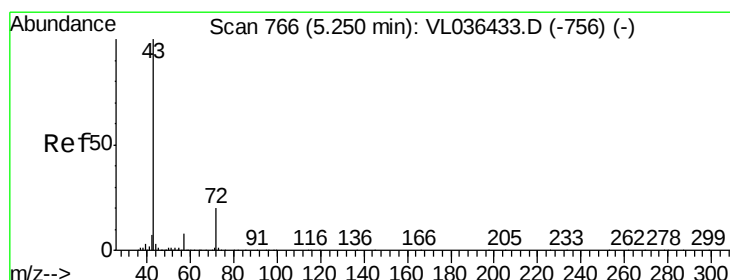
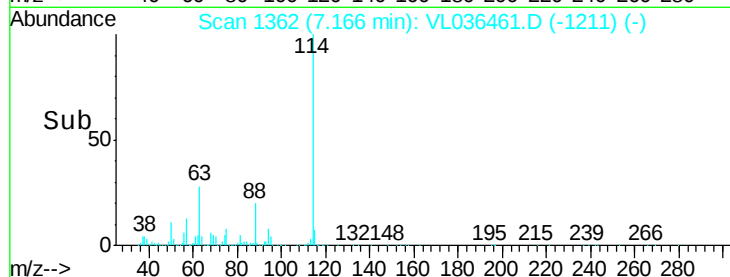
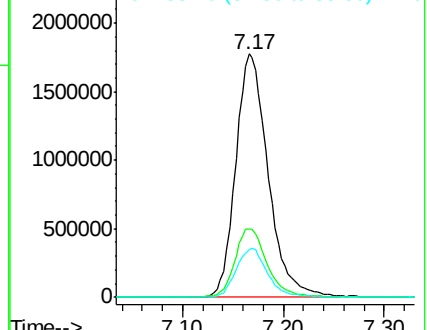
88 19.6 15.6 23.4



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: 9.495 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.01 min

Lab File: VL036461.D

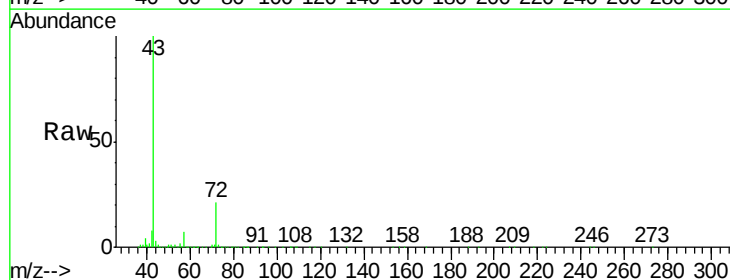
Acq: 24 Mar 2021 9:18

Tgt Ion: 43 Resp: 2265527

Ion Ratio Lower Upper

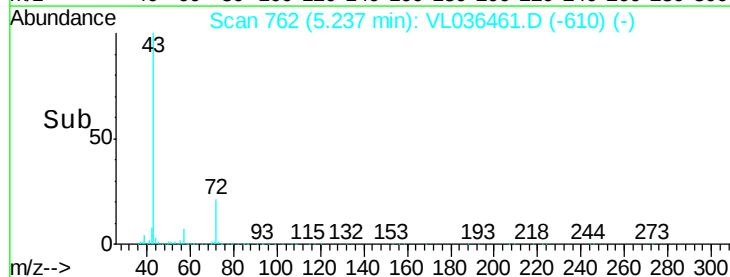
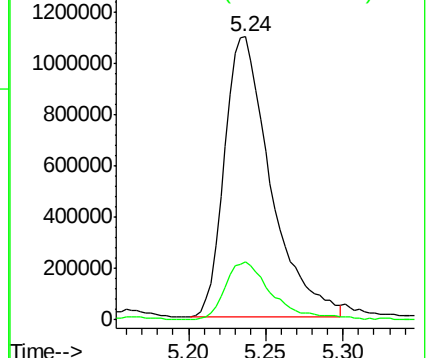
43 100

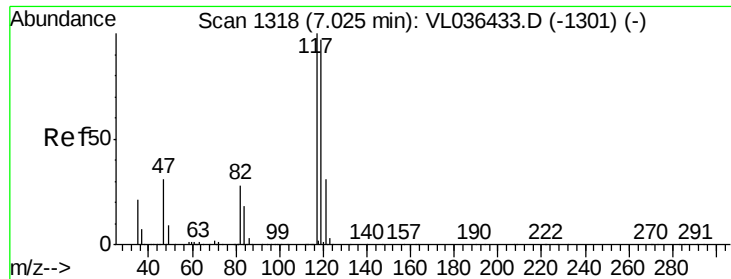
72 21.6 16.7 25.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

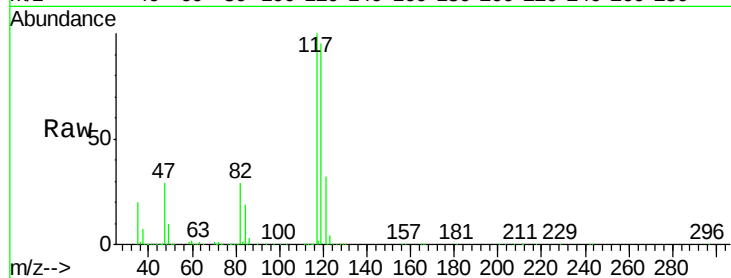
Ion 72.10 (71.80 to 72.80): VL0



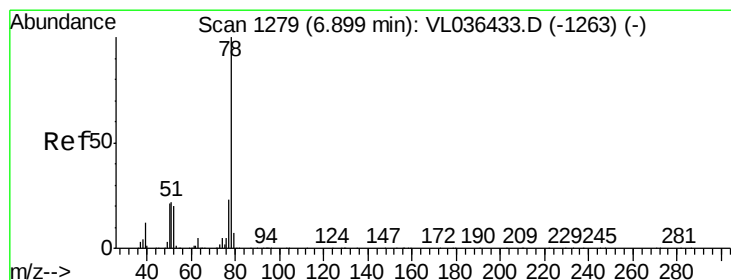
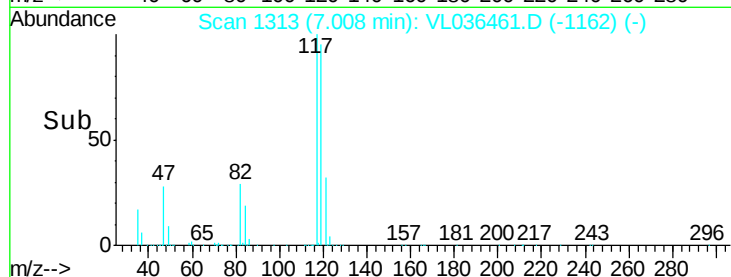
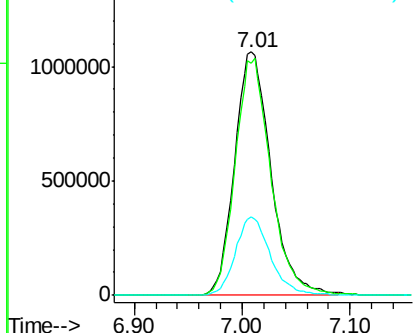


#35
Carbon Tetrachloride
Concen: 9.754 ppbv
RT: 7.01
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 9:18

Tot Ion: 117 Resp: 2494829
Ion Ratio Lower Upper
117 100
119 95.4 77.8 116.6
121 32.3 24.6 36.8

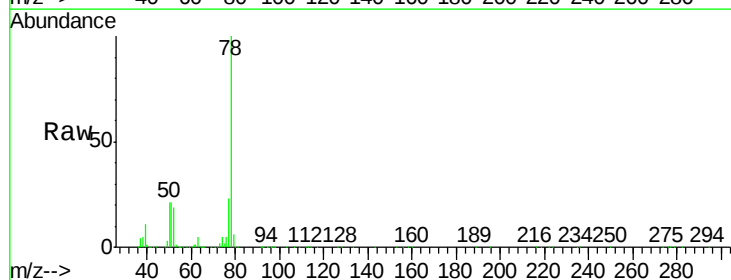


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

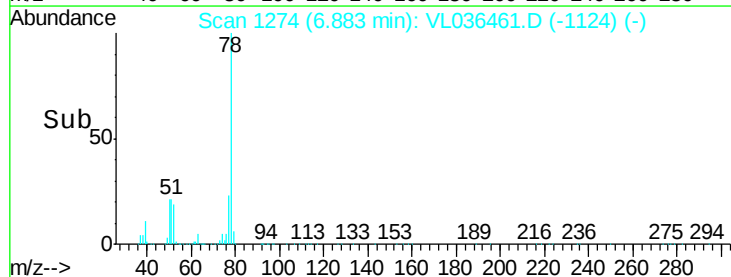
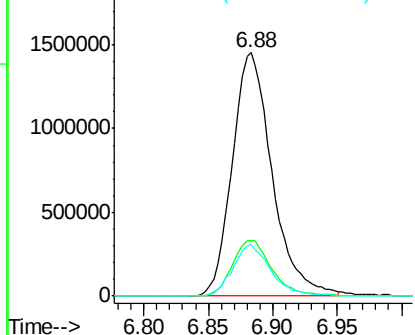


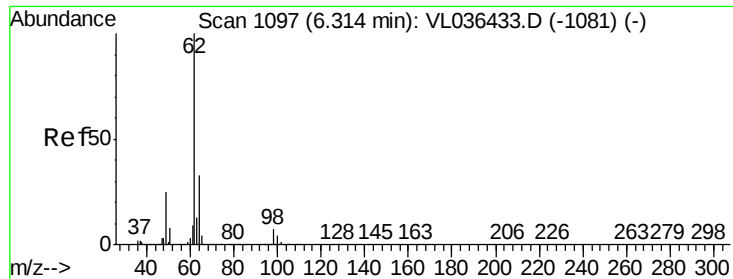
#36
Benzene
Concen: 10.170 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL036461.D
Acq: 24 Mar 2021 9:18

Tgt Ion: 78 Resp: 3123831
Ion Ratio Lower Upper
78 100
77 22.7 18.1 27.1
50 21.1 16.8 25.2



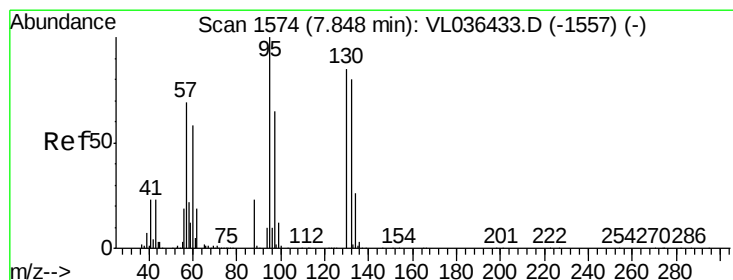
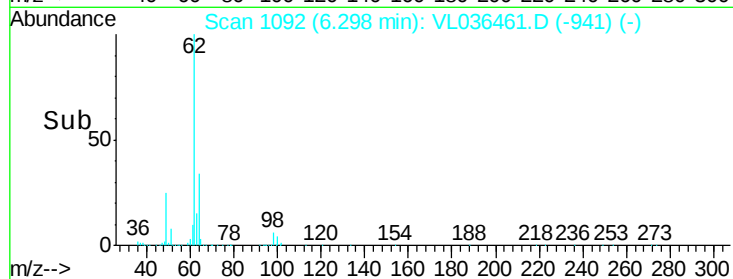
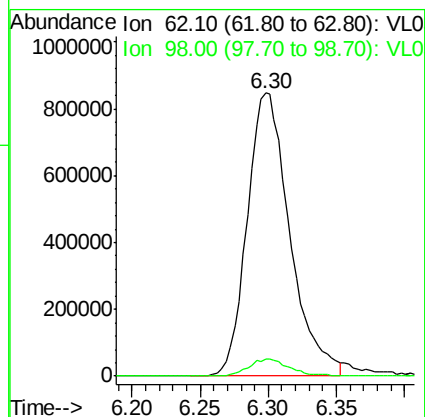
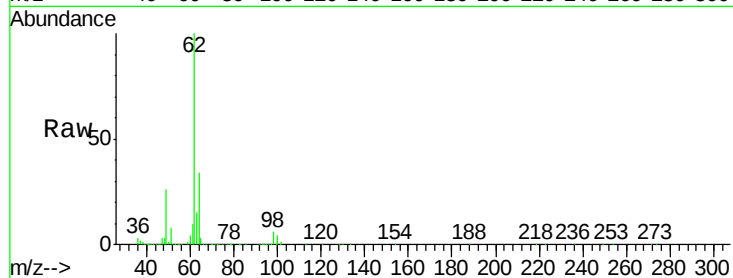
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





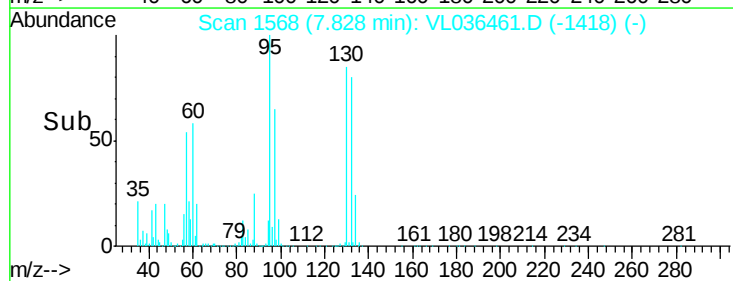
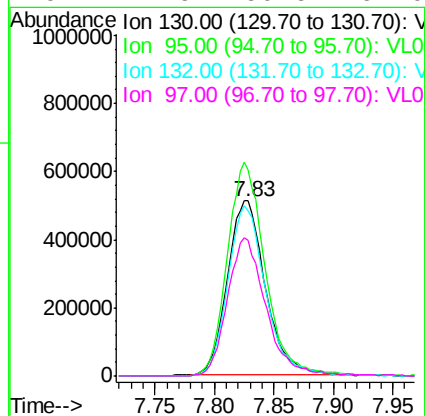
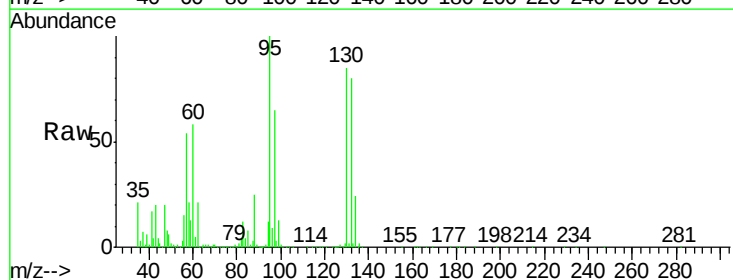
#37
 1,2-Dichloroethane
 Concen: 9.524 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 9:18

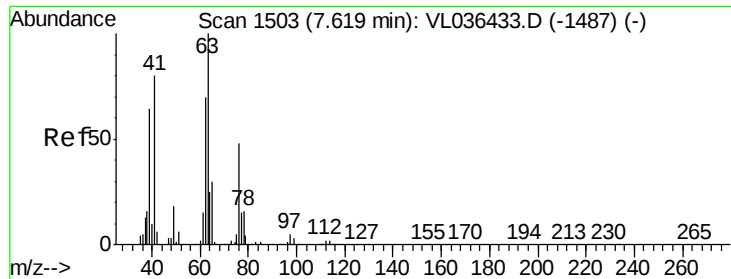
Tot Ion: 62 Resp: 1838205
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2



#38
 Trichloroethene
 Concen: 9.659 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL036461.D
 Acq: 24 Mar 2021 9:18

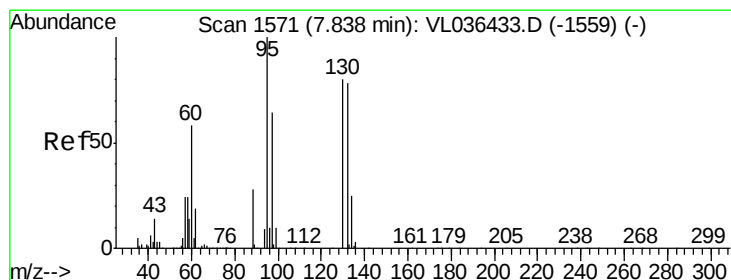
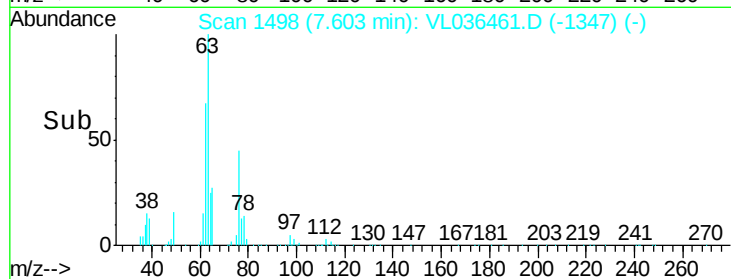
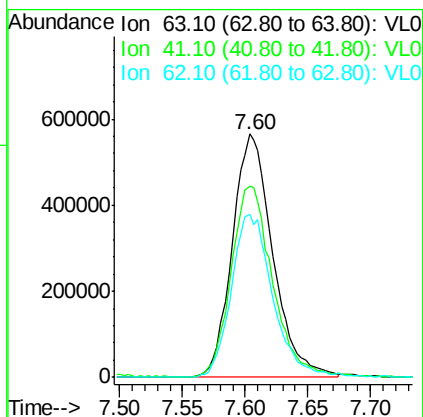
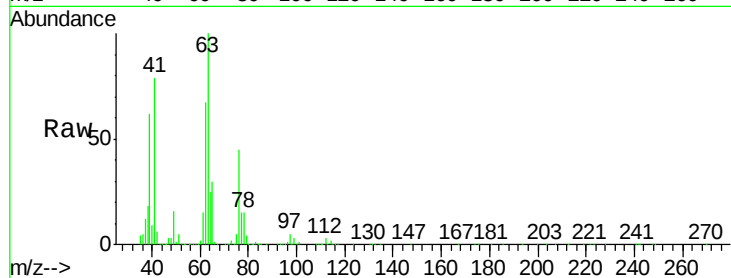
Tgt Ion: 130 Resp: 1121226
 Ion Ratio Lower Upper
 130 100
 95 118.5 93.8 140.8
 132 94.6 74.6 112.0
 97 77.6 60.6 91.0





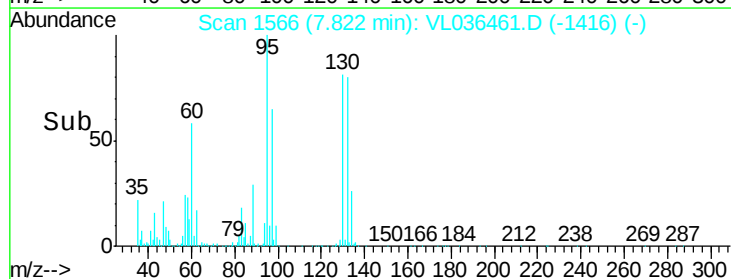
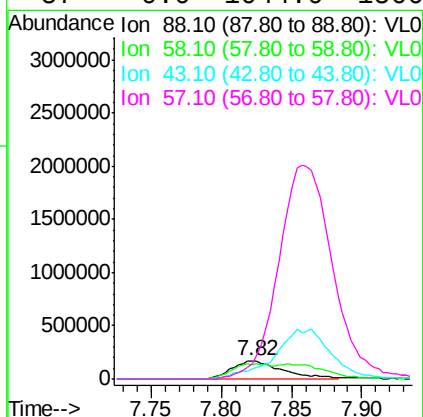
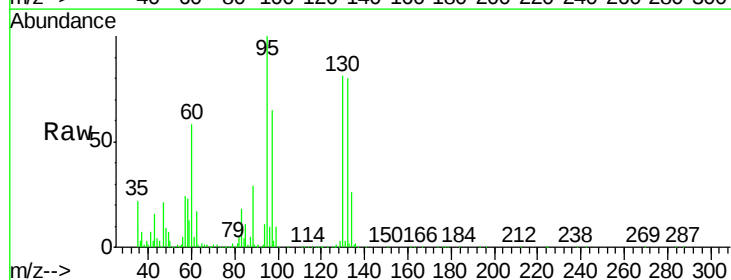
#39
 1,2-Dichloropropane
 Concen: 9.650 ppbv
 RT: 7.60
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 9:18

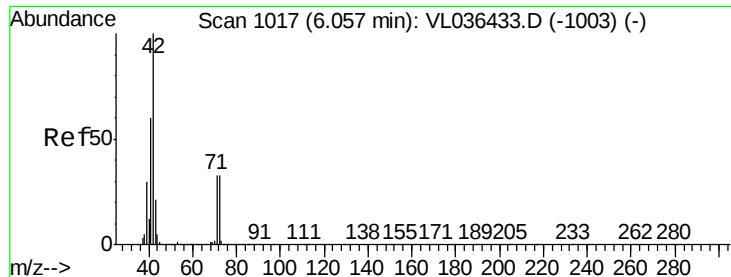
Tot Ion: 63 Resp: 1260430
 Ion Ratio Lower Upper
 63 100
 41 78.6 64.4 96.6
 62 66.8 55.7 83.5



#40
 1,4-Dioxane
 Concen: 9.870 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL036461.D
 Acq: 24 Mar 2021 9:18

Tgt Ion: 88 Resp: 423178
 Ion Ratio Lower Upper
 88 100
 58 0.0 119.6 179.4#
 43 0.0 254.2 381.4#
 57 0.0 1044.0 1566.0#





#41

Tetrahydrofuran

Concen: 10.319 ppbv

RT: 6.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 9:18

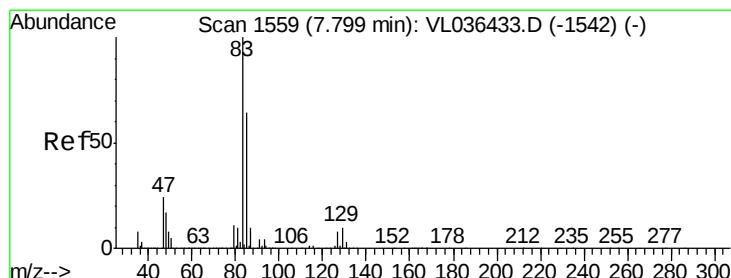
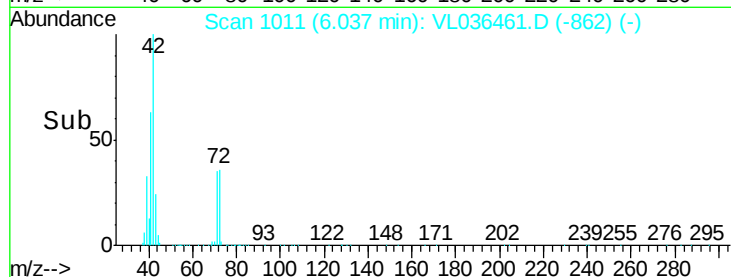
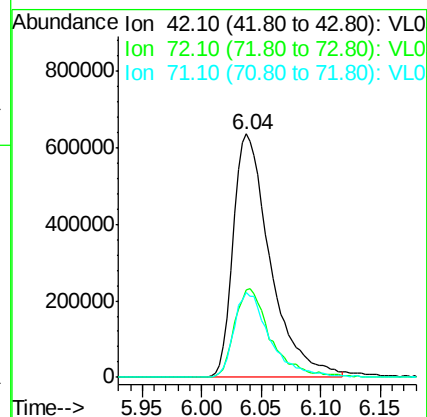
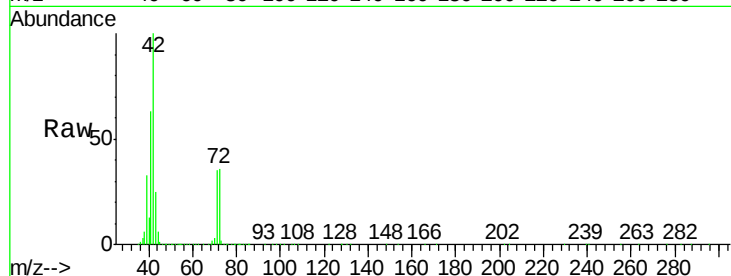
Tot Ion: 42 Resp: 1373253

Ion Ratio Lower Upper

42 100

72 35.8 28.1 42.1

71 34.2 27.6 41.4



#42

Bromodichloromethane

Concen: 9.792 ppbv

RT: 7.78 min Scan# 1554

Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

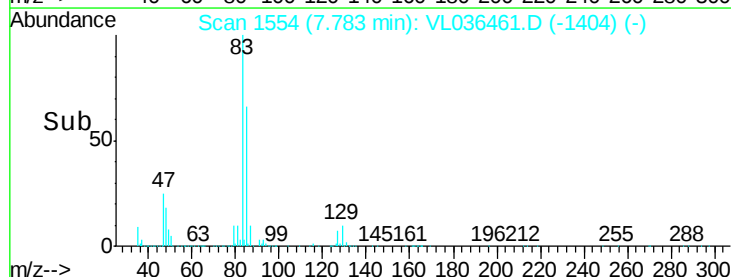
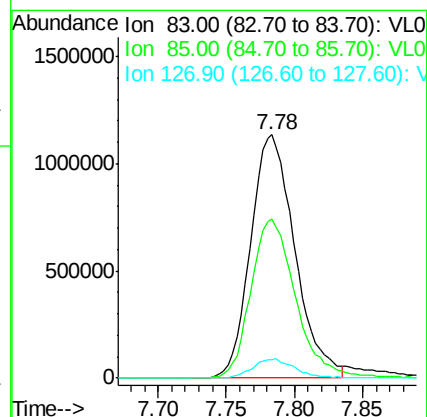
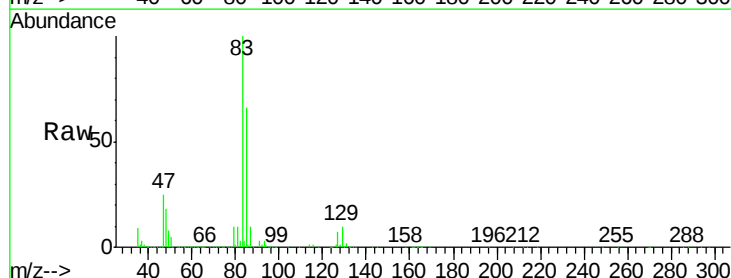
Tgt Ion: 83 Resp: 2553990

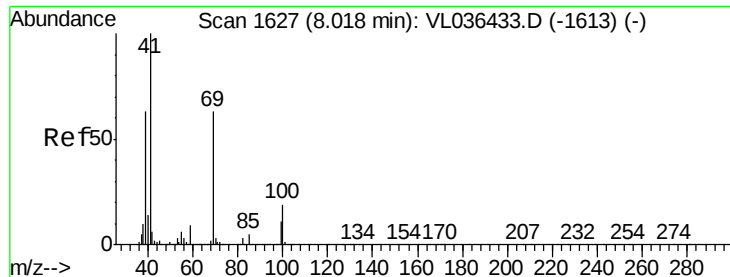
Ion Ratio Lower Upper

83 100

85 65.6 51.2 76.8

127 7.4 6.0 9.0





#43

Methyl Methacrylate

Concen: 11.144 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 9:18

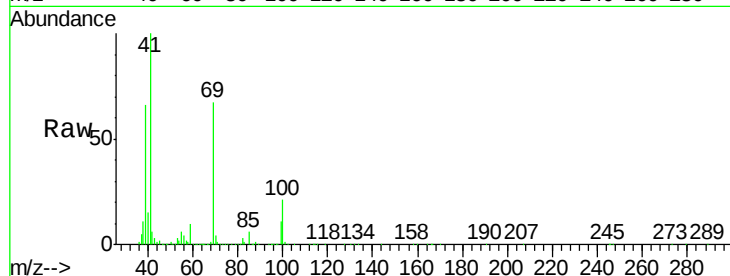
Tot Ion: 69 Resp: 1386354

Ion Ratio Lower Upper

69 100

41 156.9 127.6 191.4

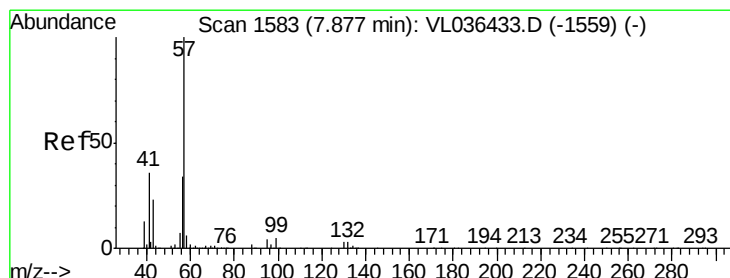
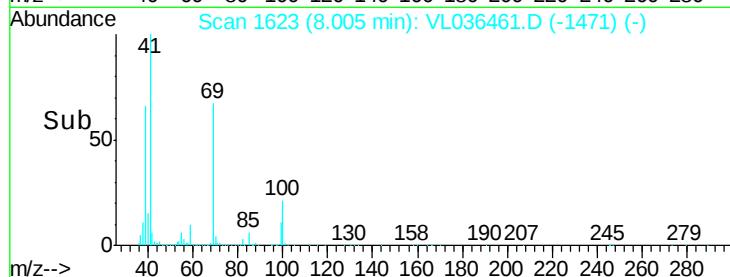
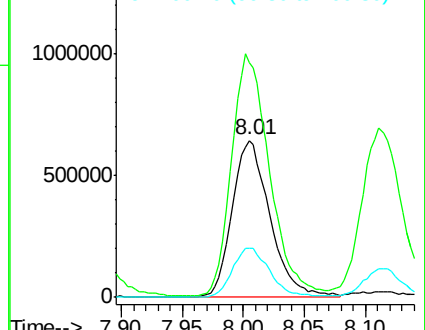
100 31.3 24.6 37.0



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: 9.627 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

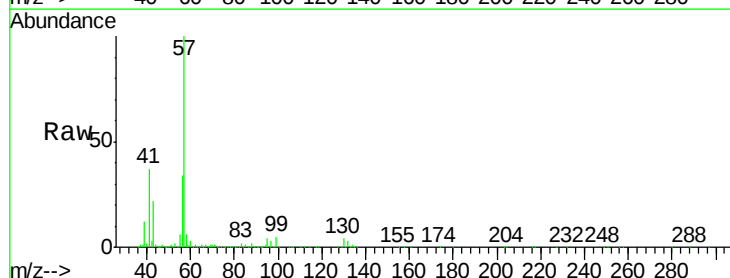
Tgt Ion: 57 Resp: 5391889

Ion Ratio Lower Upper

57 100

41 35.4 28.2 42.2

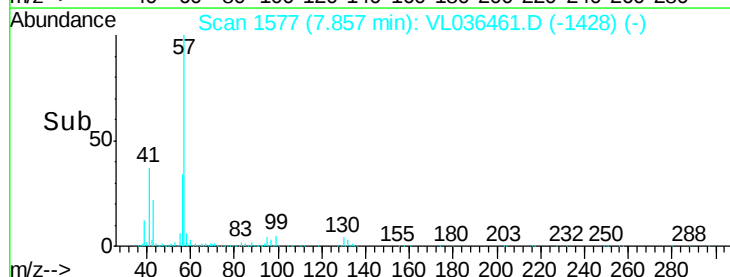
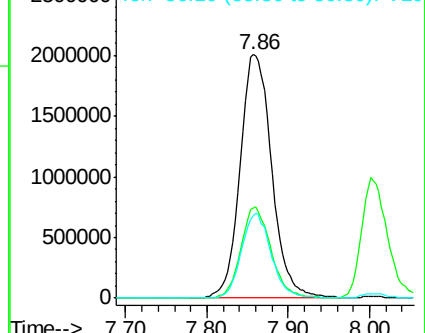
56 32.6 25.9 38.9

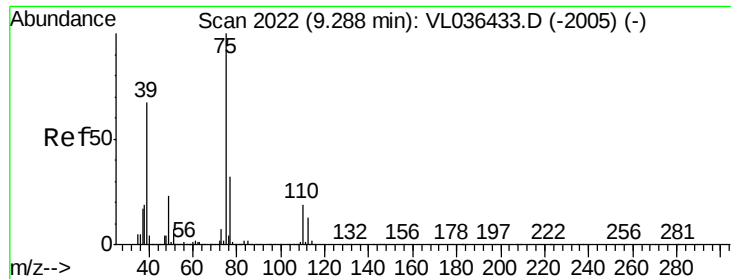


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.054 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

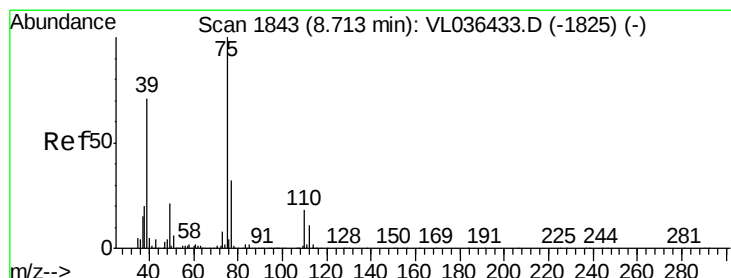
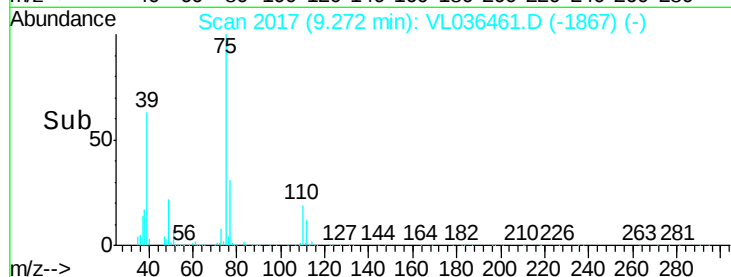
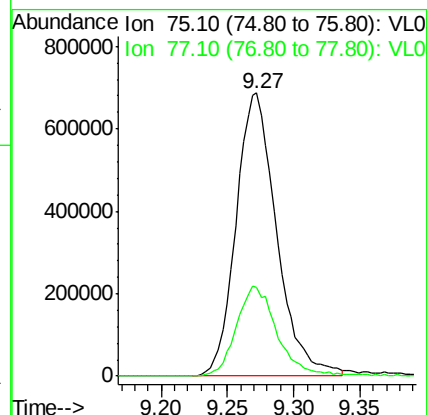
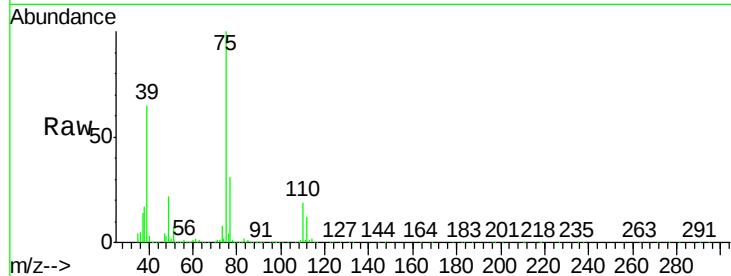
Acq: 24 Mar 2021 9:18

Tot Ion: 75 Resp: 1459409

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 11.401 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

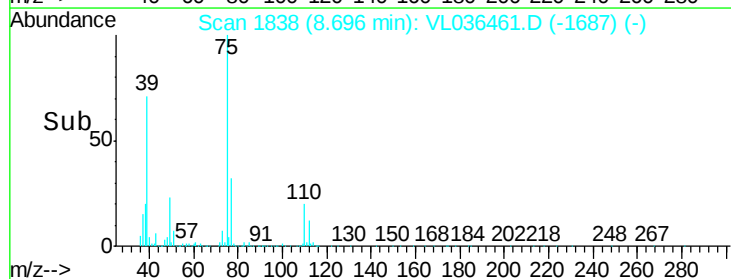
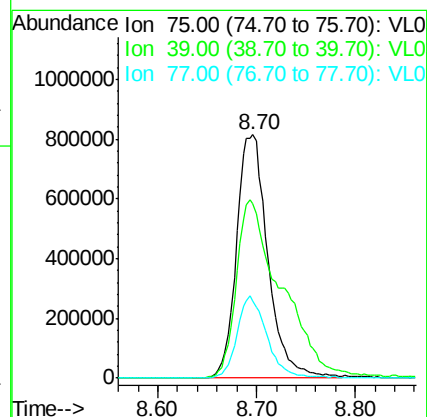
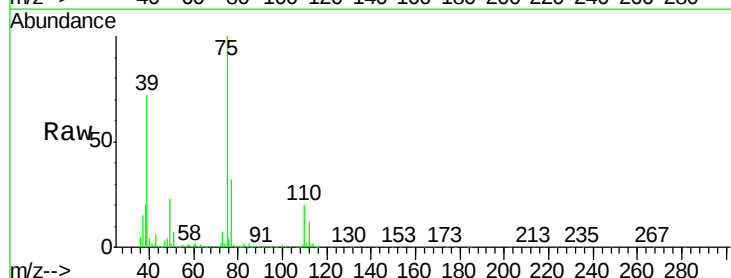
Tgt Ion: 75 Resp: 1802026

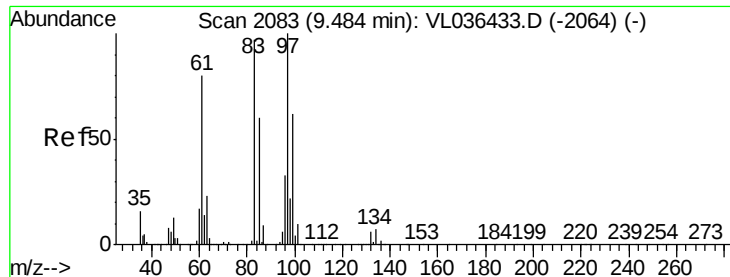
Ion Ratio Lower Upper

75 100

39 71.7 57.1 85.7

77 31.7 25.3 37.9





#47

1,1,2-Trichloroethane

Concen: 9.794 ppbv

RT: 9.46 Instrument:

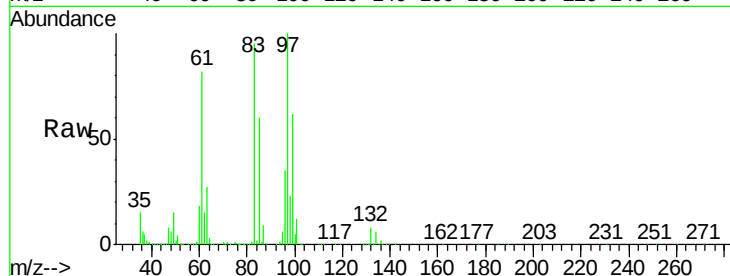
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2021 9:18

Tot Ion: 97 Resp: 1275177

Ion	Ratio	Lower	Upper
97	100		
83	95.1	77.8	116.8
85	59.7	47.6	71.4
99	62.3	49.6	74.4

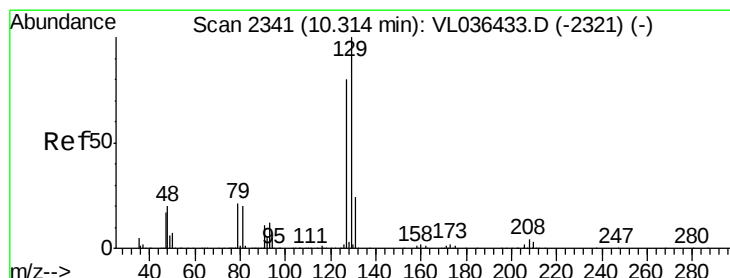
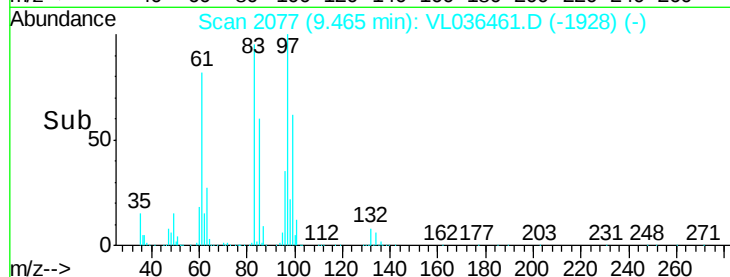
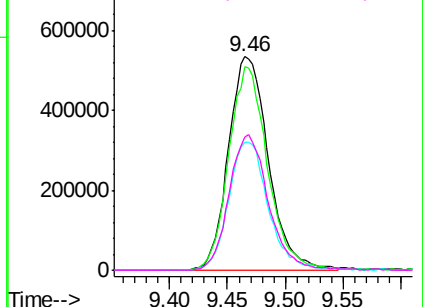


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.866 ppbv

RT: 10.29 min Scan# 2335

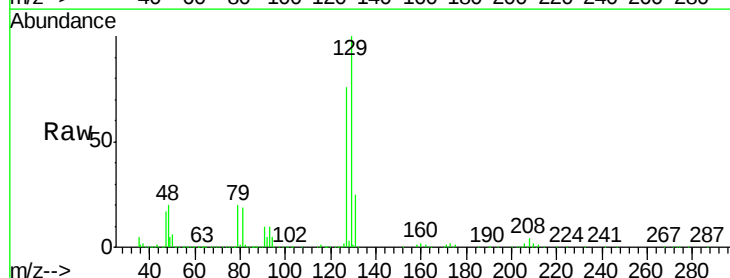
Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

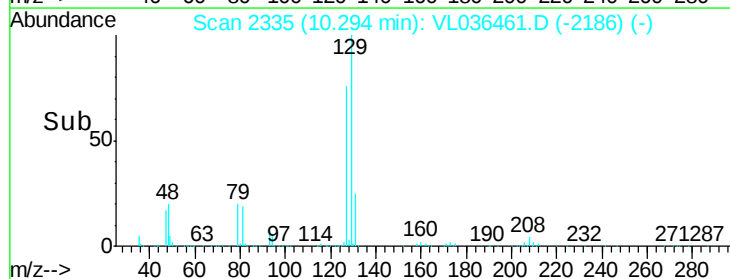
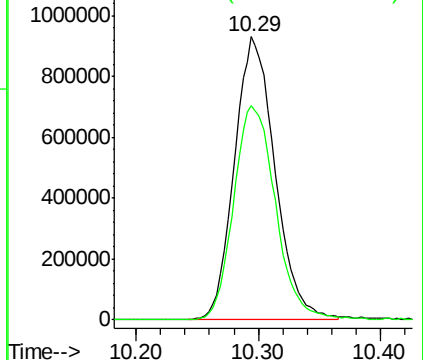
Tgt Ion: 129 Resp: 2142461

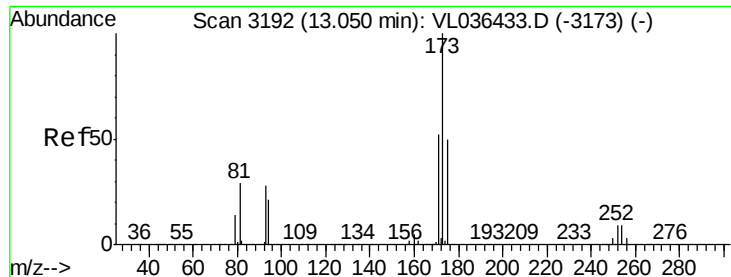
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.183 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

ClientSampleId :

Acq: 24 Mar 2021 9:18

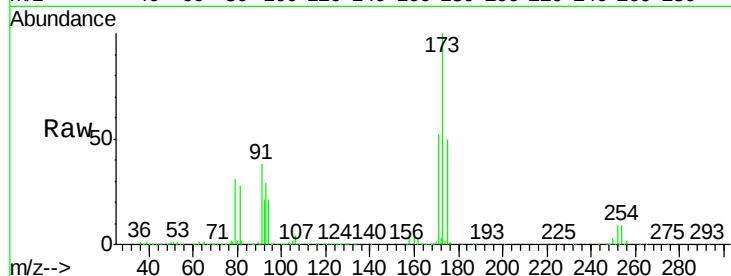
Tot Ion:173 Resp: 1803882

Ion Ratio Lower Upper

173 100

175 50.3 40.7 61.1

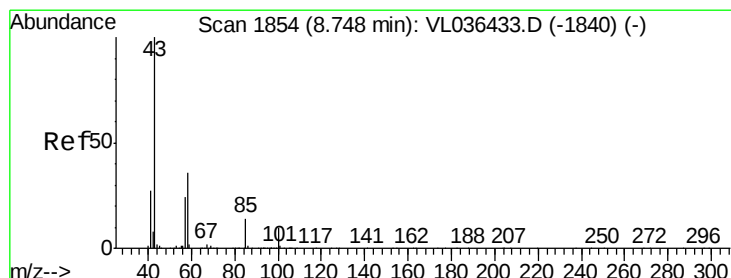
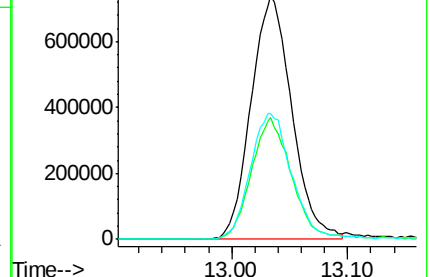
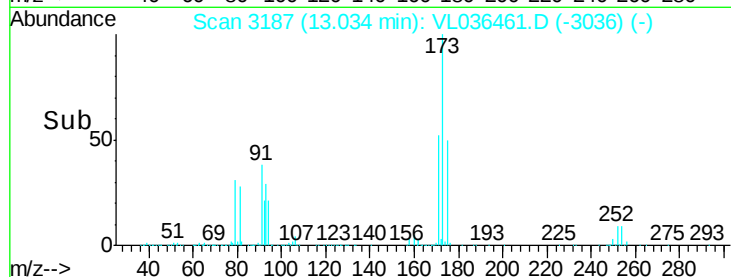
171 53.4 43.0 64.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.421 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL036461.D

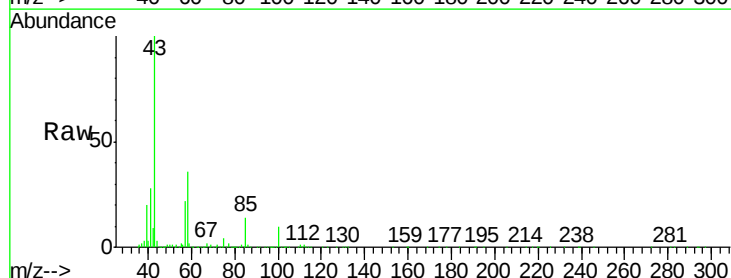
Acq: 24 Mar 2021 9:18

Tgt Ion: 43 Resp: 3619957

Ion Ratio Lower Upper

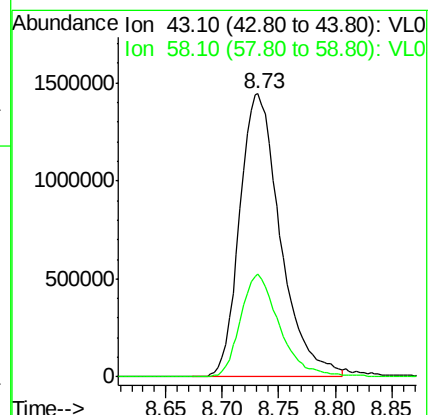
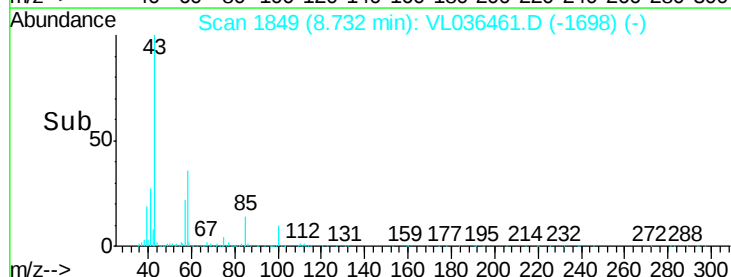
43 100

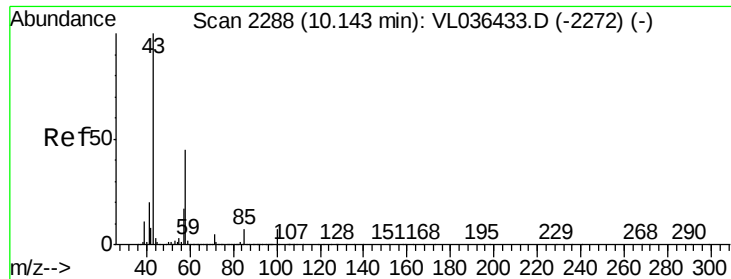
58 35.3 27.8 41.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.310 ppbv

RT: 10.12

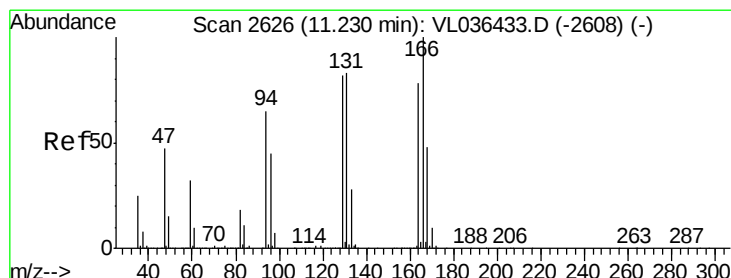
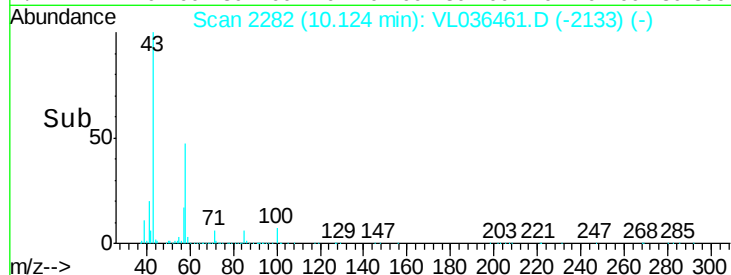
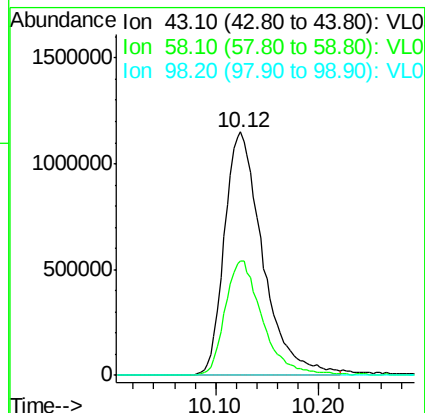
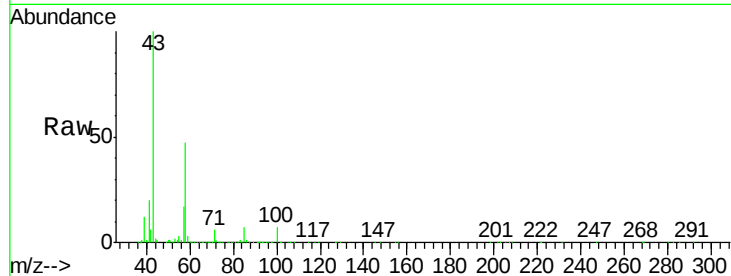
Delta R.T. MSVOA_L

Lab File:

Acq: 24 Mar 2021 9:18

Tot Ion: 43 Resp: 2970135

Ion	Ratio	Lower	Upper
43	100		
58	46.4	37.8	56.8
98	0.6	0.2	0.4



#52

Tetrachloroethene

Concen: 9.253 ppbv

RT: 11.22 min Scan# 2622

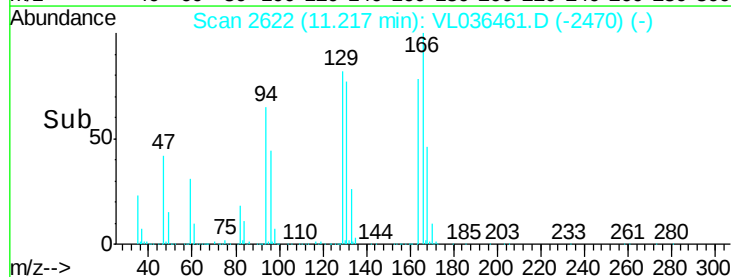
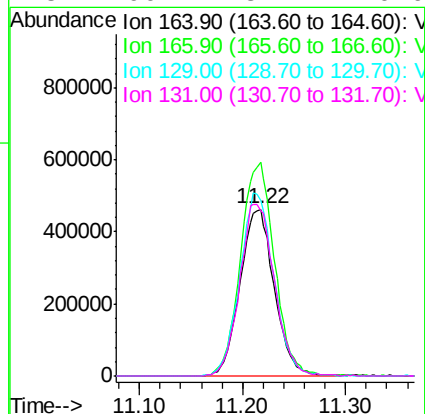
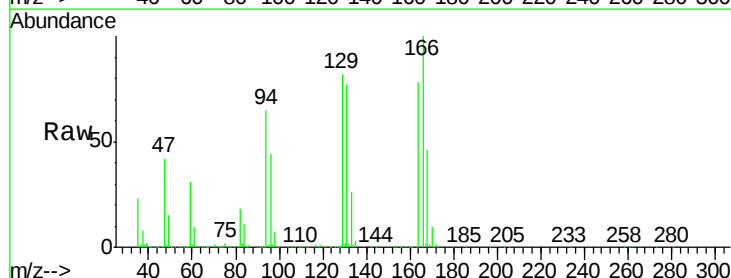
Delta R.T. -0.01 min

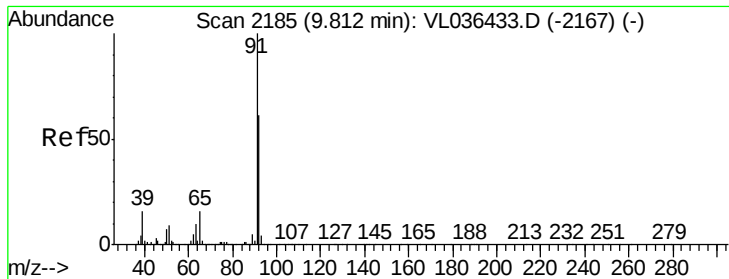
Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

Tgt Ion: 164 Resp: 1065874

Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.0	153.0
129	105.1	83.3	124.9
131	99.2	84.4	126.6





#53

Toluene

Concen: 10.685 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

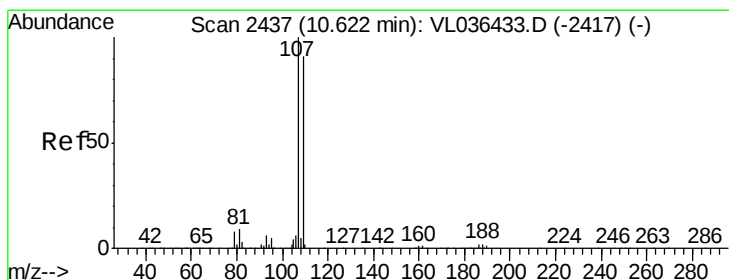
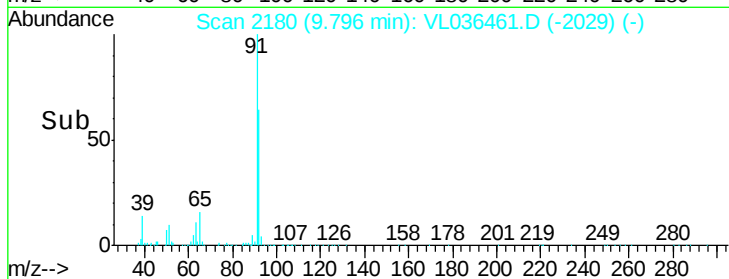
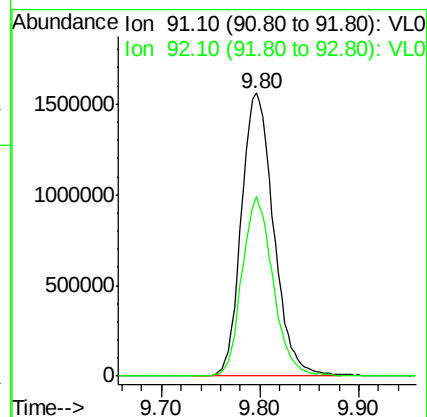
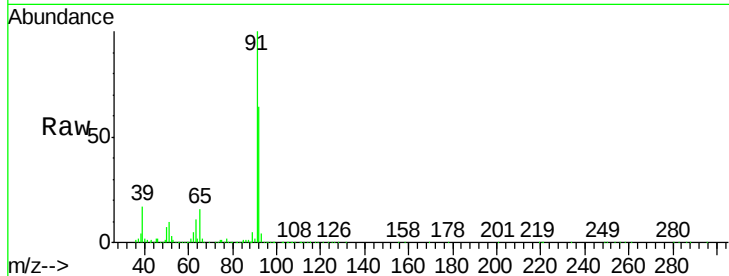
Acq: 24 Mar 2021 9:18

Tot Ion: 91 Resp: 3534753

Ion Ratio Lower Upper

91 100

92 61.5 49.0 73.6



#54

1,2-Dibromoethane

Concen: 10.156 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.02 min

Lab File: VL036461.D

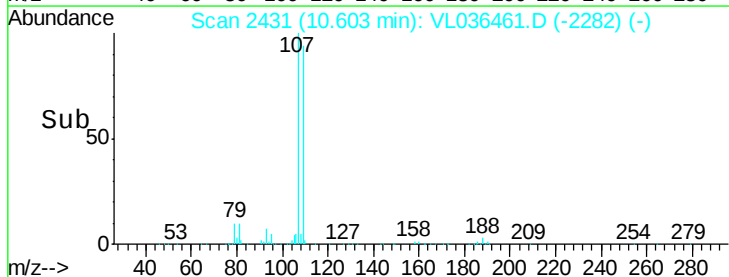
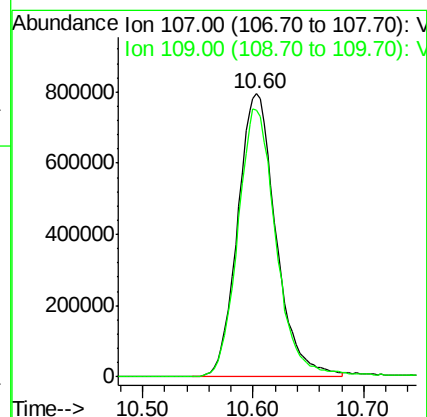
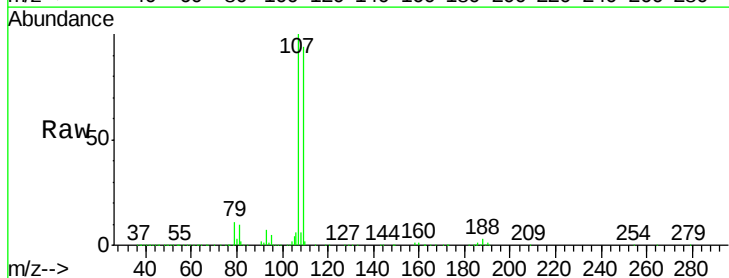
Acq: 24 Mar 2021 9:18

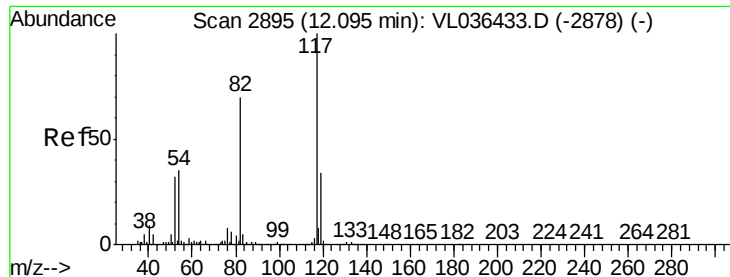
Tgt Ion: 107 Resp: 1909065

Ion Ratio Lower Upper

107 100

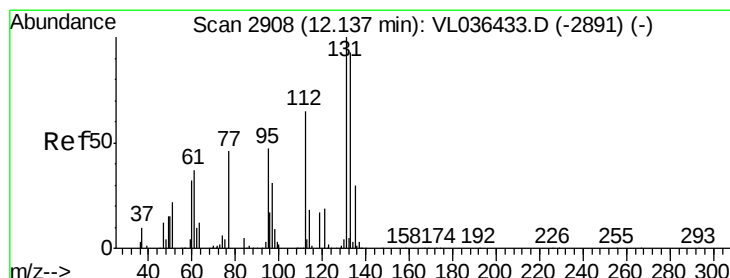
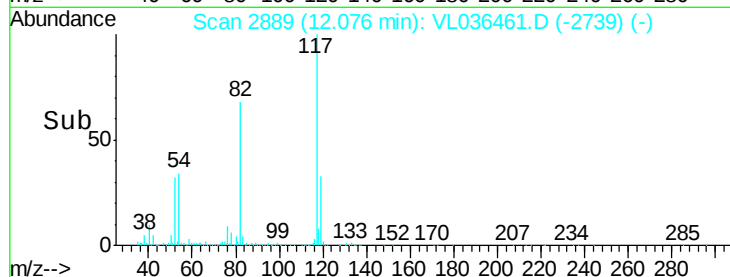
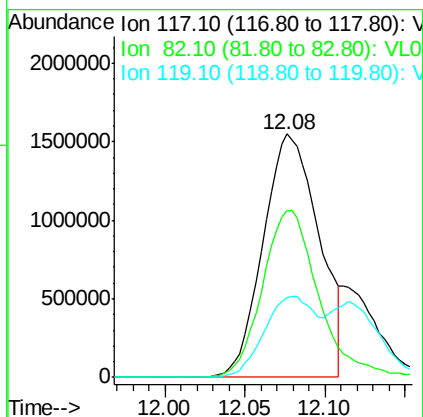
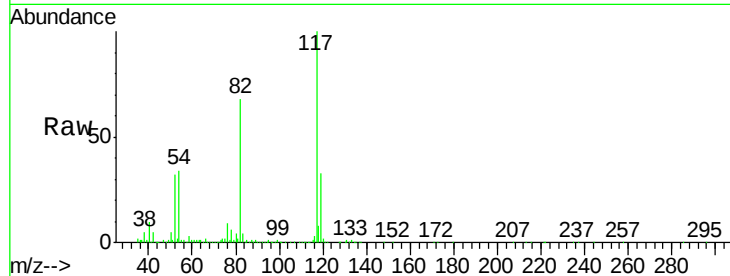
109 94.2 73.0 109.6





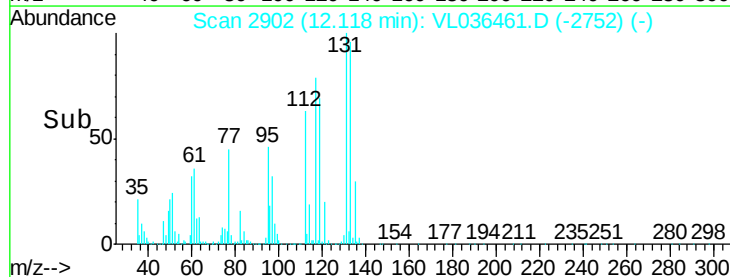
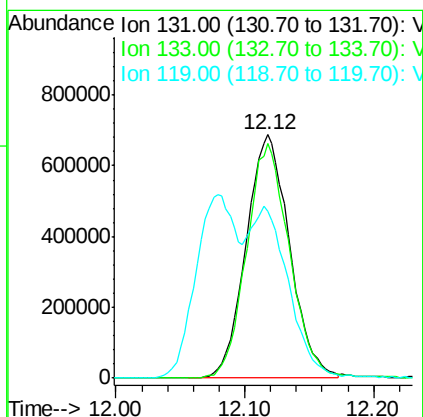
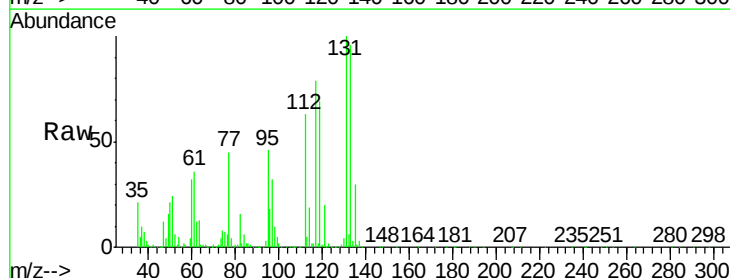
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 9:18

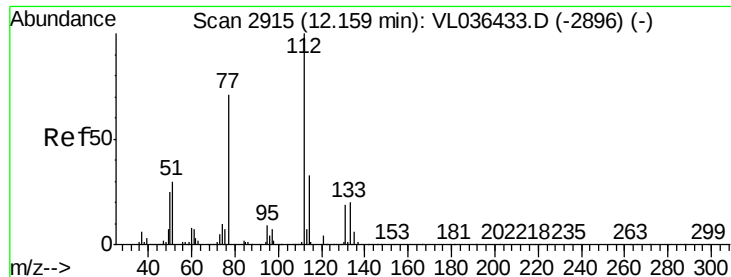
Tot Ion: 117 Resp: 3739555
Ion Ratio Lower Upper
117 100
82 70.6 56.5 84.7
119 31.4 27.0 40.4



#56
1,1,1,2-Tetrachloroethane
Concen: 9.727 ppbv
RT: 12.12 min Scan# 2902
Delta R.T.: -0.02 min
Lab File: VL036461.D
Acq: 24 Mar 2021 9:18

Tgt Ion: 131 Resp: 1611931
Ion Ratio Lower Upper
131 100
133 95.8 76.4 114.6
119 59.9 112.8 169.2#





#57

Chlorobenzene

Concen: 9.722 ppbv

RT: 12.14 min

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Mar 2021 9:18

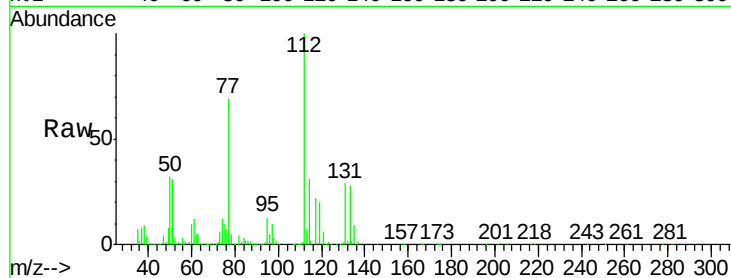
Tot Ion: 112 Resp: 2625806

Ion Ratio Lower Upper

112 100

77 67.8 57.6 86.4

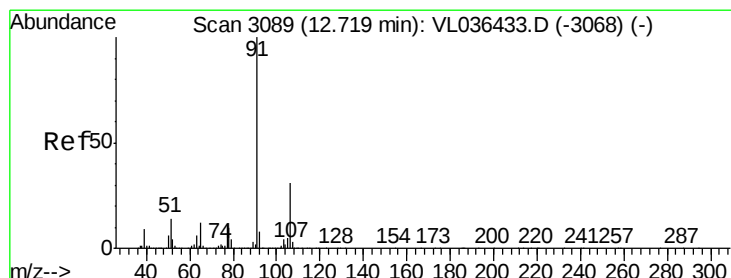
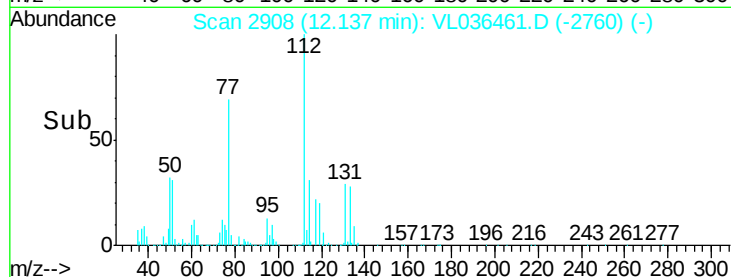
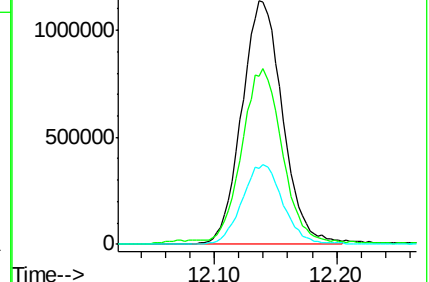
114 31.1 29.5 36.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.415 ppbv

RT: 12.70 min Scan# 3083

Delta R.T. -0.02 min

Lab File: VL036461.D

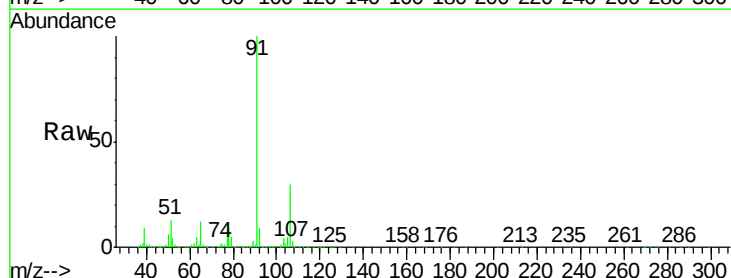
Acq: 24 Mar 2021 9:18

Tgt Ion: 91 Resp: 4839072

Ion Ratio Lower Upper

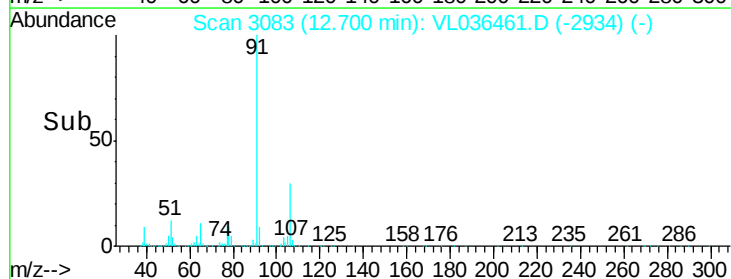
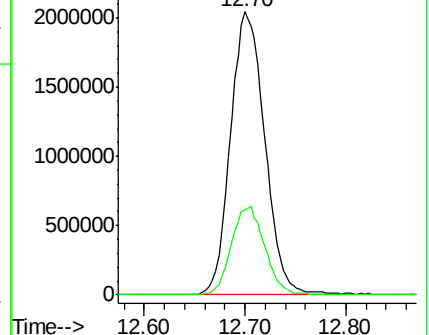
91 100

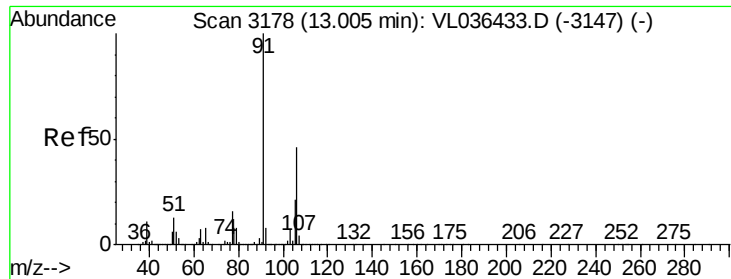
106 29.8 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

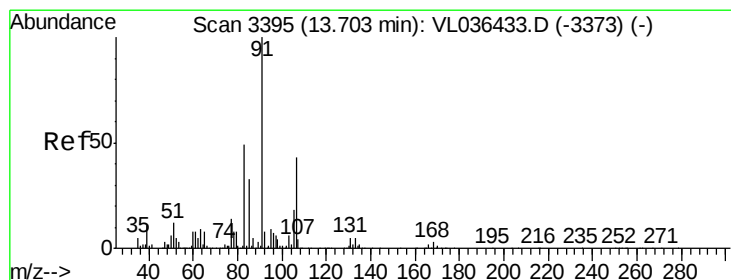
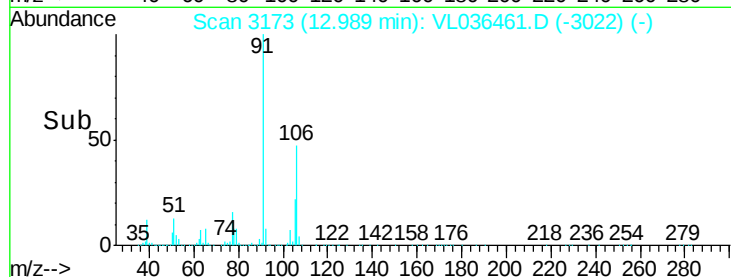
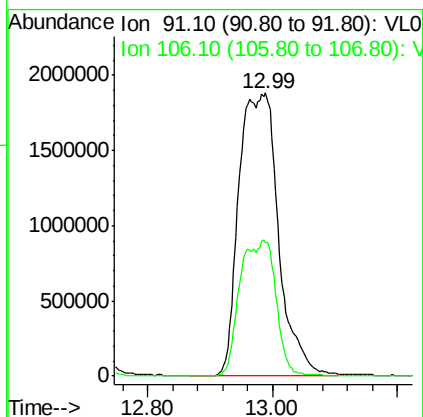
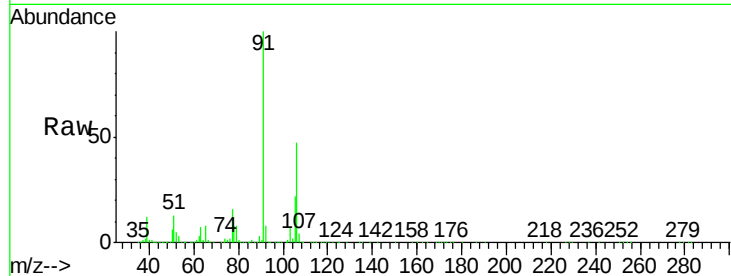
Ion 106.10 (105.80 to 106.80): V





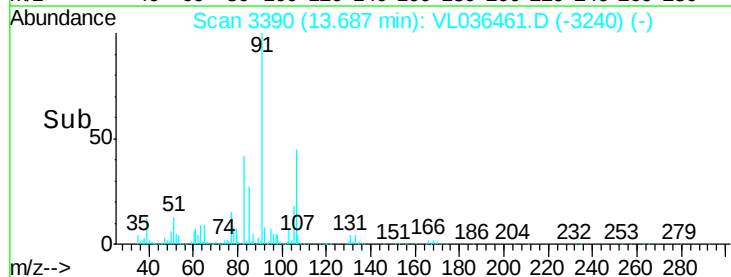
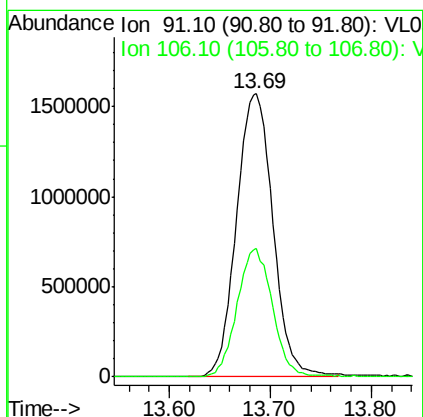
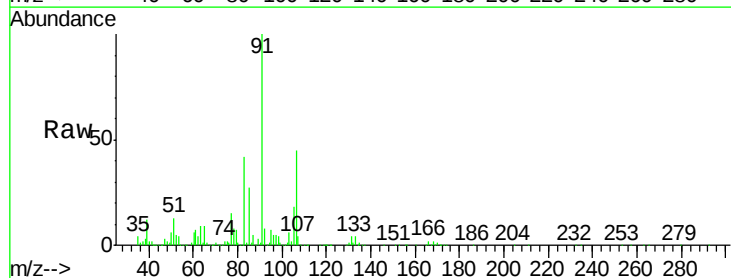
#59
m/p-Xylene
Concen: 20.121 ppbv m
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 24 Mar 2021 9:18

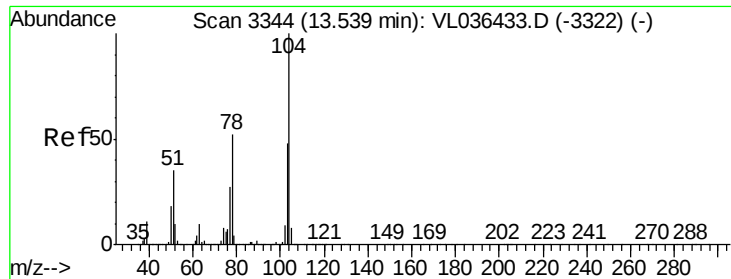
Tot Ion: 91 Resp: 8266250
Ion Ratio Lower Upper
91 100
106 43.5 35.0 52.4



#60
o-Xylene
Concen: 9.934 ppbv
RT: 13.69 min Scan# 3390
Delta R.T.: -0.02 min
Lab File: VL036461.D
Acq: 24 Mar 2021 9:18

Tgt Ion: 91 Resp: 3920341
Ion Ratio Lower Upper
91 100
106 44.4 21.9 65.8





#61

Stvrene

Concen: 11.518 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Mar 2021 9:18

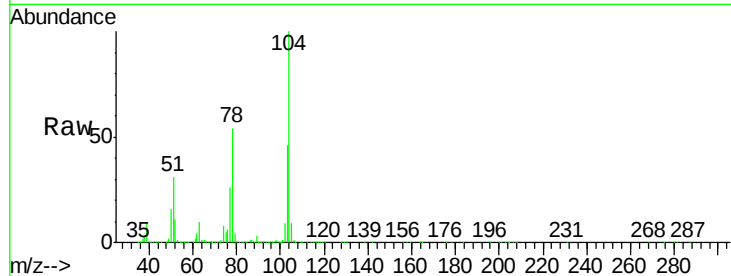
Tot Ion:104 Resp: 2764212

Ion Ratio Lower Upper

104 100

78 55.7 44.2 66.4

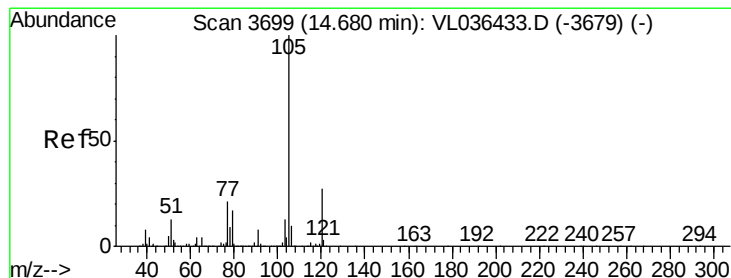
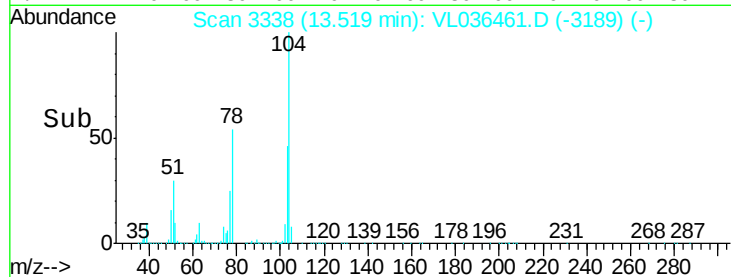
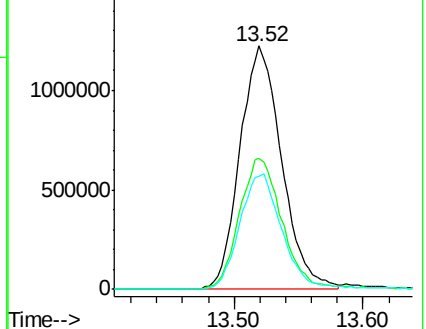
103 48.3 38.6 57.8



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: 9.749 ppbv

RT: 14.66 min Scan# 3692

Delta R.T. -0.02 min

Lab File: VL036461.D

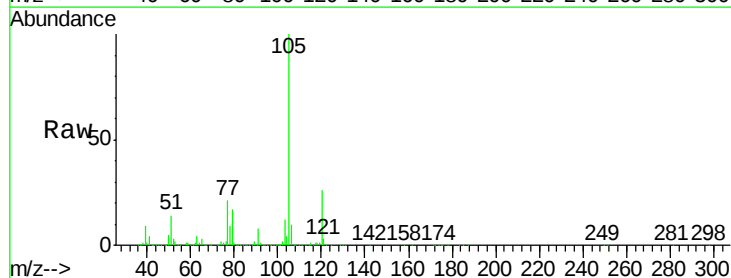
Acq: 24 Mar 2021 9:18

Tgt Ion:105 Resp: 5801373

Ion Ratio Lower Upper

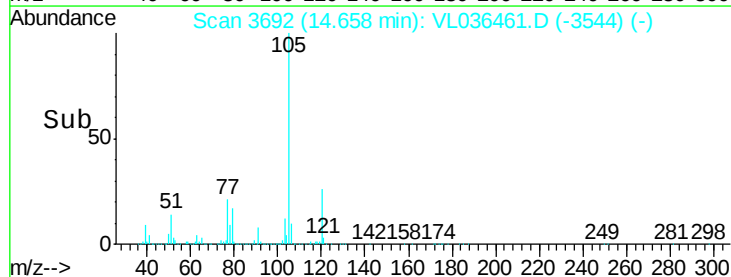
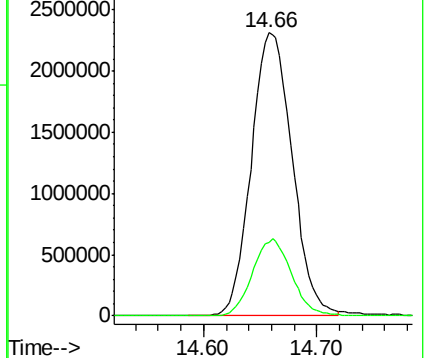
105 100

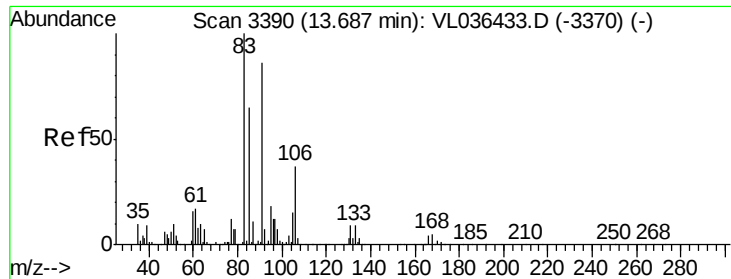
120 26.3 20.9 31.3



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: 9.116 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2021 9:18

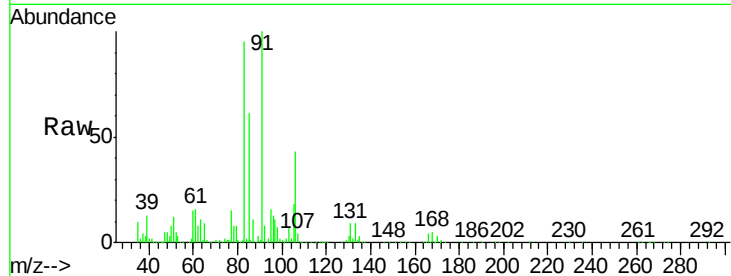
Tot Ion: 83 Resp: 2812737

Ion Ratio Lower Upper

83 100

131 9.2 4.5 13.7

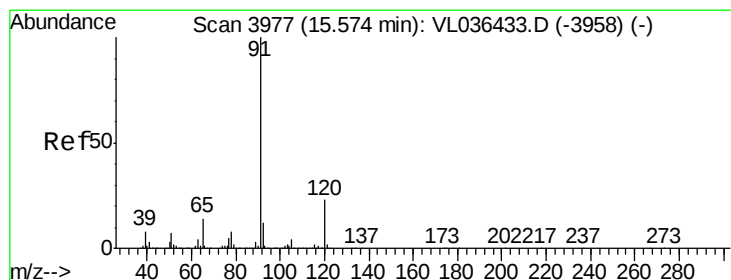
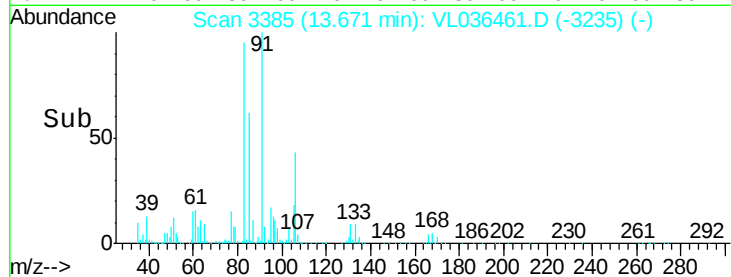
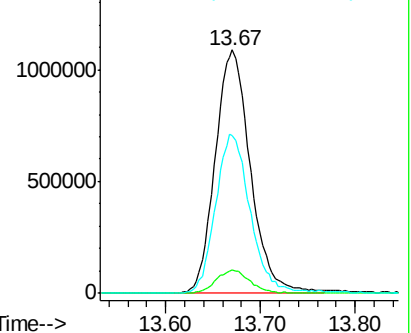
85 65.5 32.9 98.6



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



#64

n-propylbenzene

Concen: 10.326 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. -0.02 min

Lab File: VL036461.D

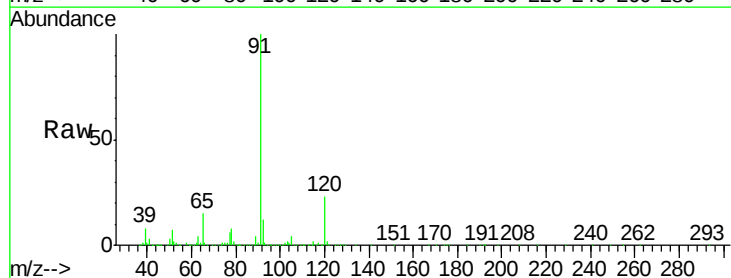
Acq: 24 Mar 2021 9:18

Tgt Ion:120 Resp: 1534827

Ion Ratio Lower Upper

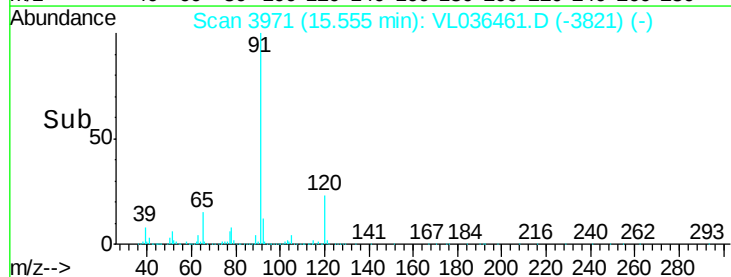
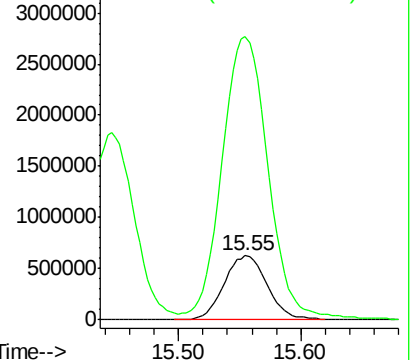
120 100

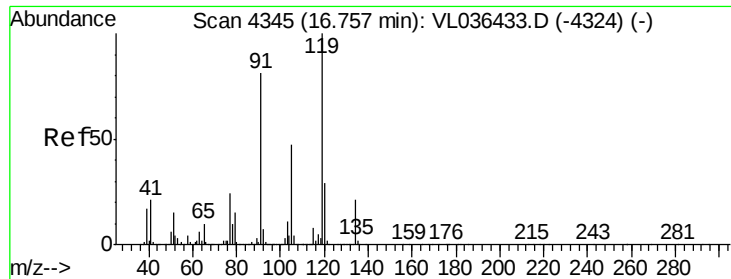
91 471.5 378.6 567.8



Abundance Ion 120.20 (119.90 to 120.90): V

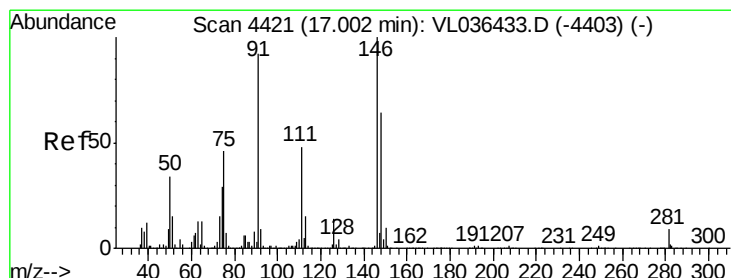
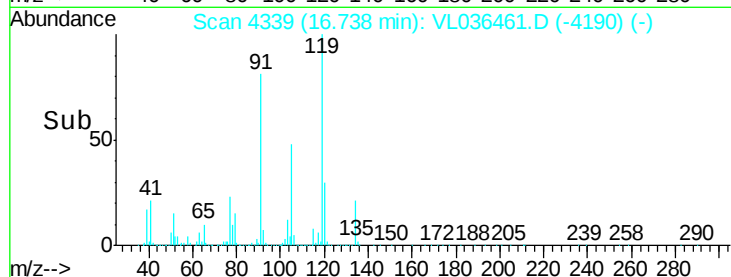
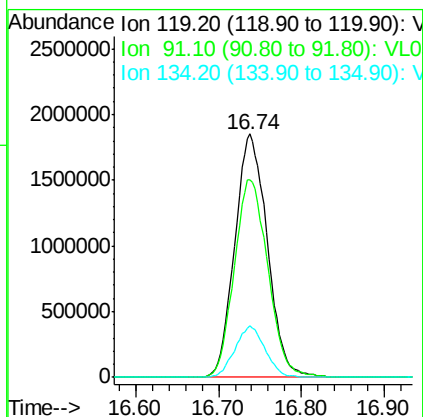
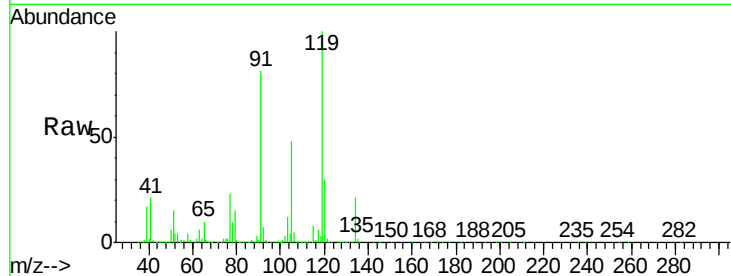
Ion 91.10 (90.80 to 91.80): VL0





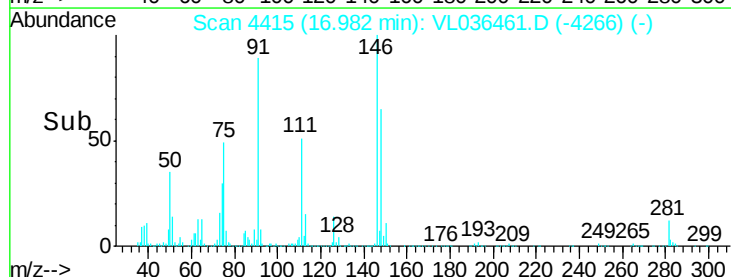
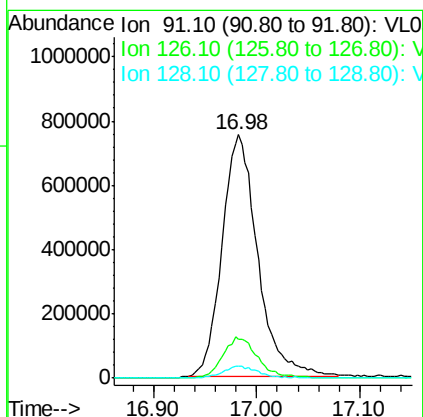
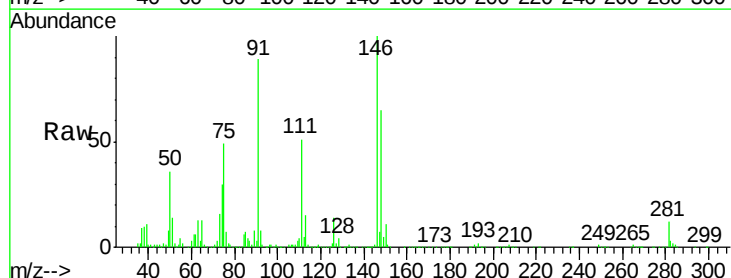
#65
 tert-Butylbenzene
 Concen: 9.745 ppbv
 RT: 16.74 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 9:18

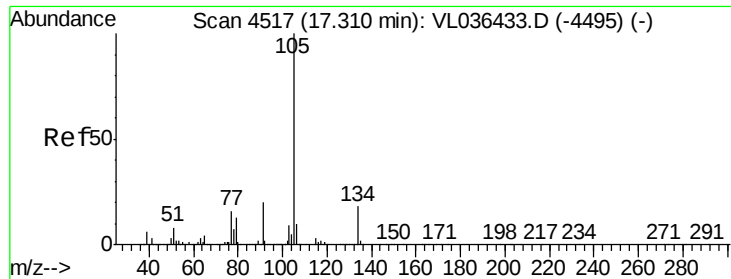
Tot Ion: 119 Resp: 5045039
 Ion Ratio Lower Upper
 119 100
 91 84.1 67.9 101.9
 134 19.7 16.0 24.0



#66
 Benzyl Chloride
 Concen: 12.527 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T.: -0.02 min
 Lab File: VL036461.D
 Acq: 24 Mar 2021 9:18

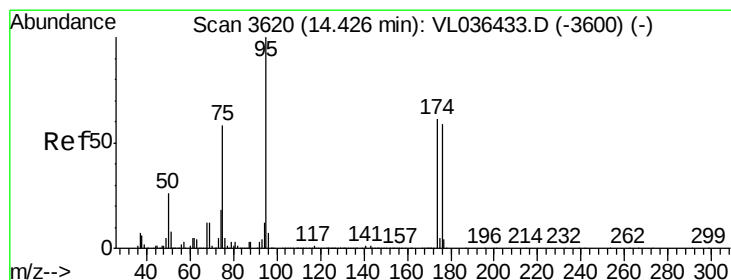
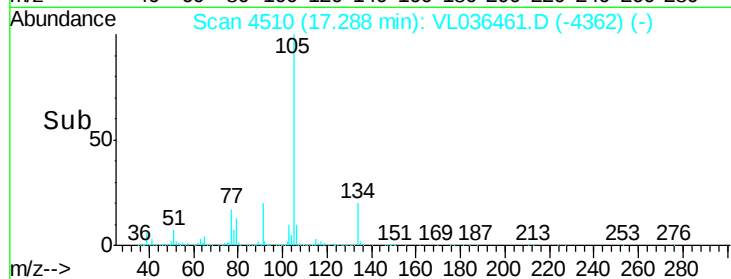
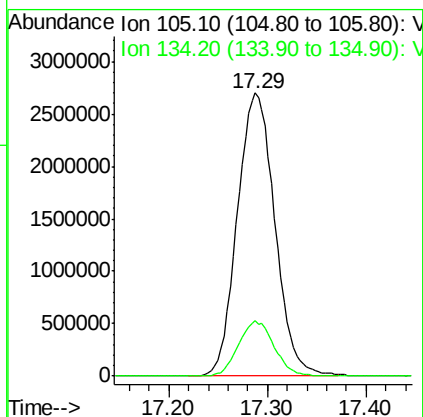
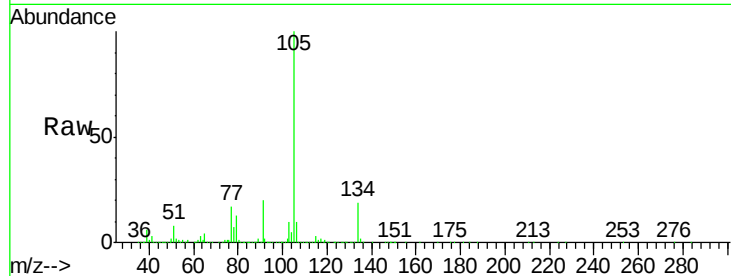
Tgt Ion: 91 Resp: 1810536
 Ion Ratio Lower Upper
 91 100
 126 16.8 12.9 19.3
 128 5.2 4.0 6.0





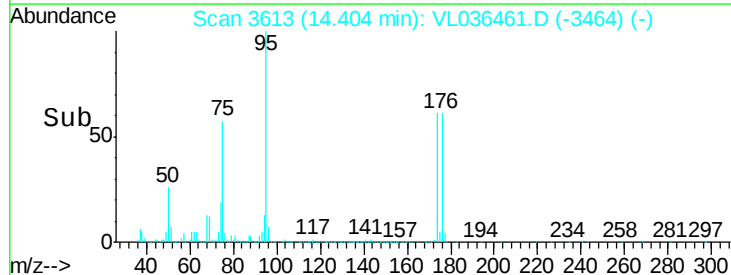
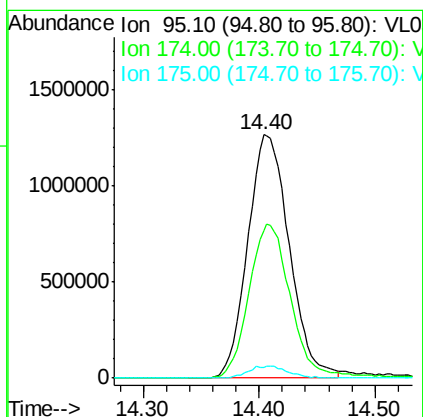
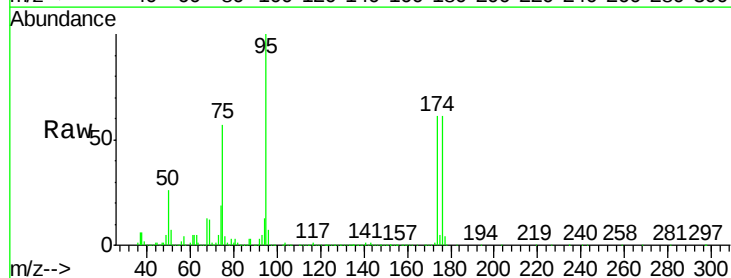
#67
 sec-Butylbenzene
 Concen: 9.824 ppbv
 RT: 17.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 9:18

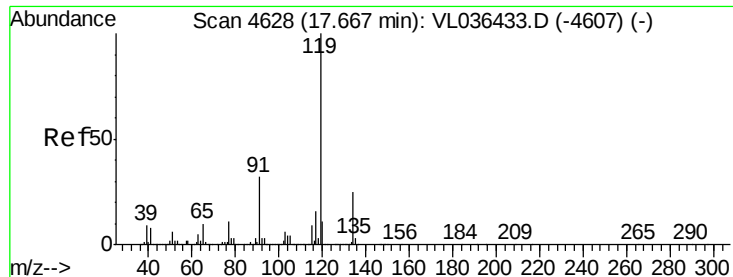
Tot Ion: 105 Resp: 7102606
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.9 22.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.260 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.02 min
 Lab File: VL036461.D
 Acq: 24 Mar 2021 9:18

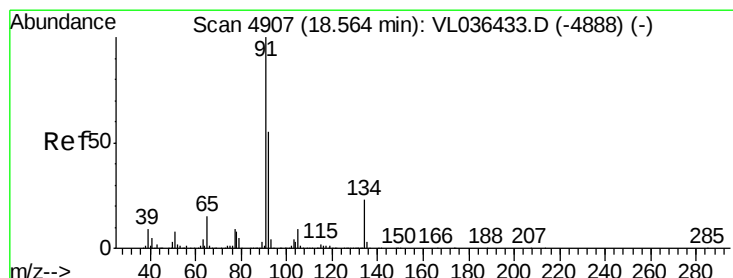
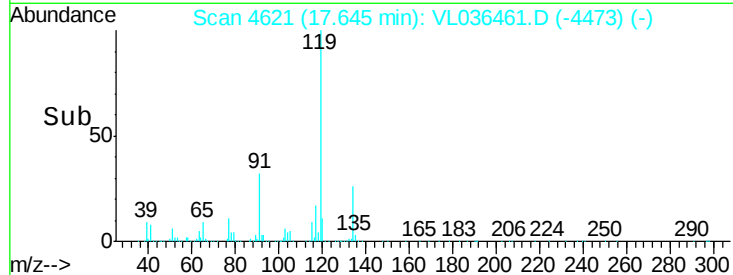
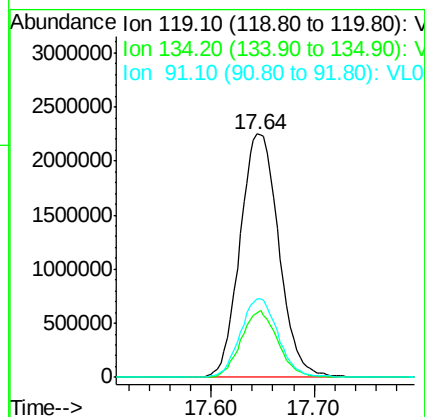
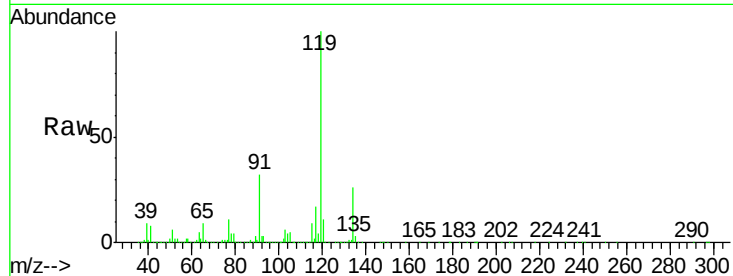
Tgt Ion: 95 Resp: 3155178
 Ion Ratio Lower Upper
 95 100
 174 64.4 51.0 76.4
 175 4.9 3.8 5.6





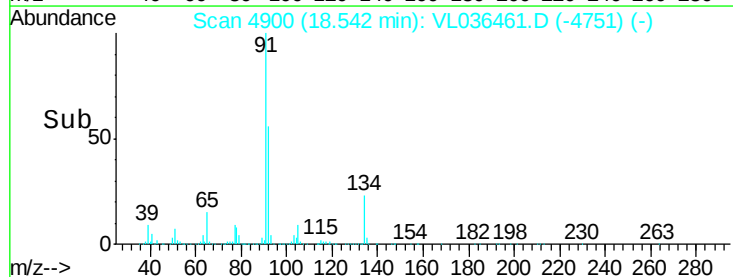
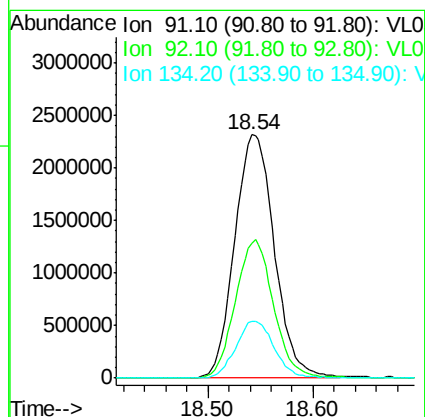
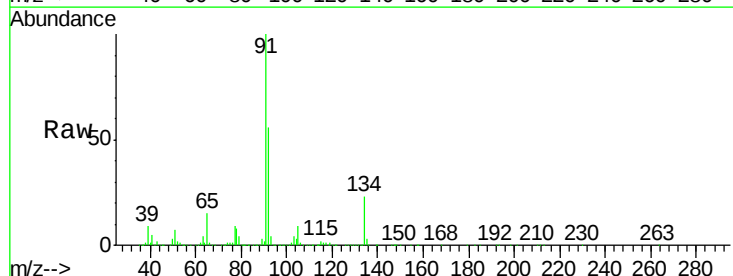
#69
 p-Isopropyltoluene
 Concen: 10.150 ppbv
 RT: 17.64
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 9:18

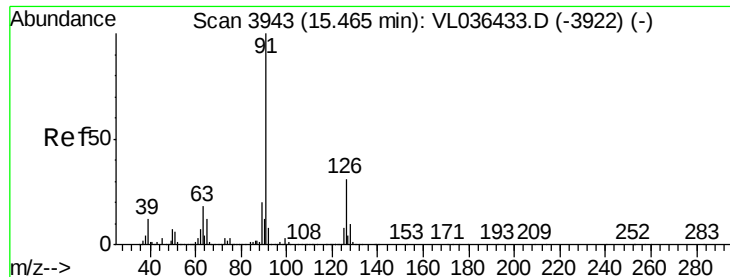
Tot Ion: 119 Resp: 5871321
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 30.8
 91 31.7 25.3 37.9



#70
 n-Butylbenzene
 Concen: 10.110 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.02 min
 Lab File: VL036461.D
 Acq: 24 Mar 2021 9:18

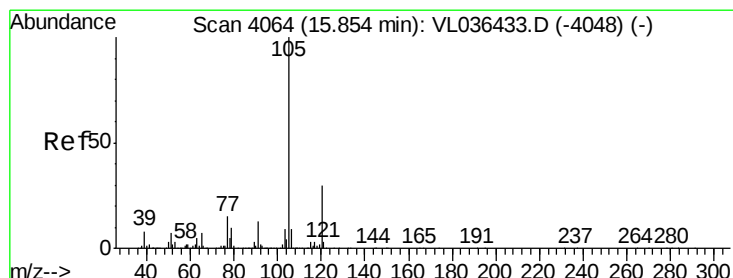
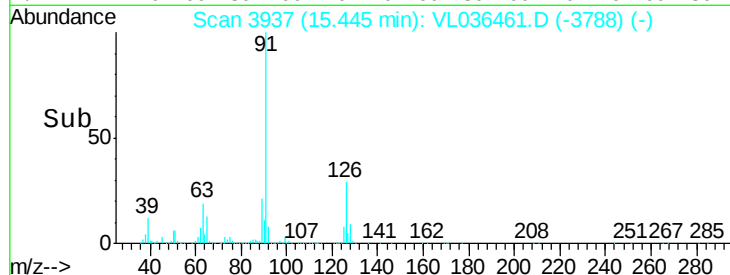
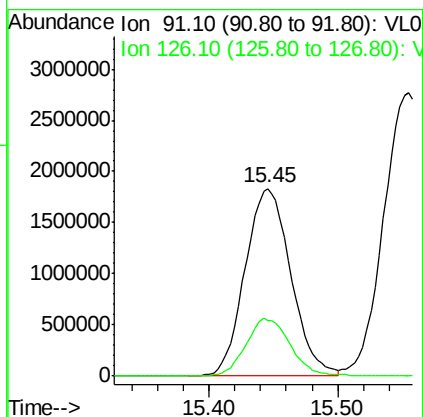
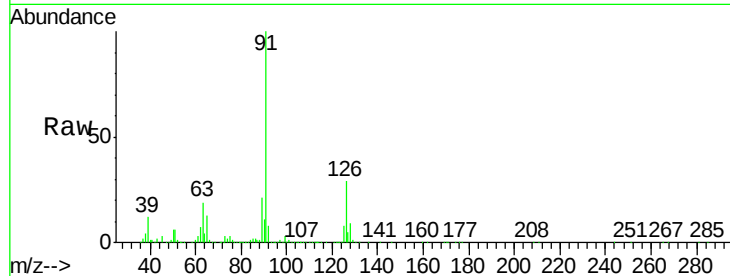
Tgt Ion: 91 Resp: 6045260
 Ion Ratio Lower Upper
 91 100
 92 55.1 44.1 66.1
 134 22.9 17.9 26.9





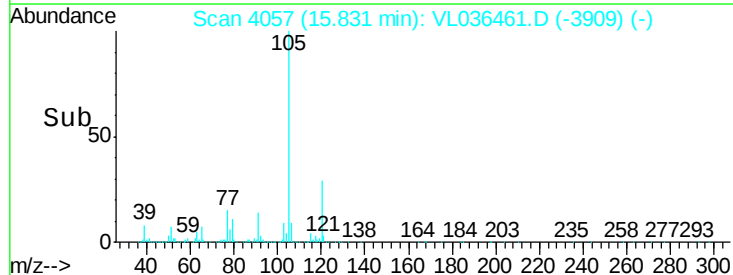
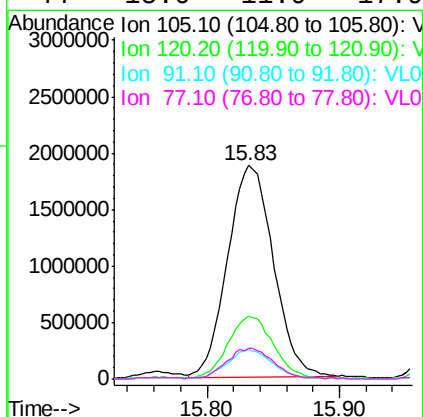
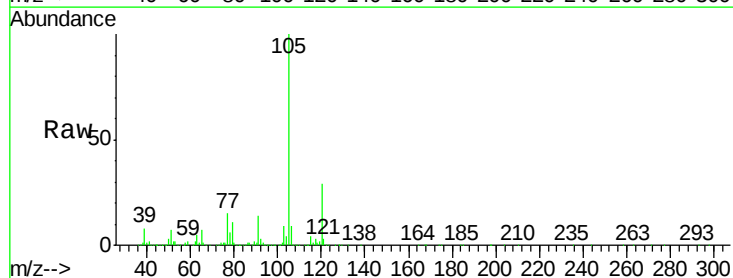
#71
 2-Chlorotoluene
 Concen: 10.130 ppbv
 RT: 15.45 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 24 Mar 2021 9:18

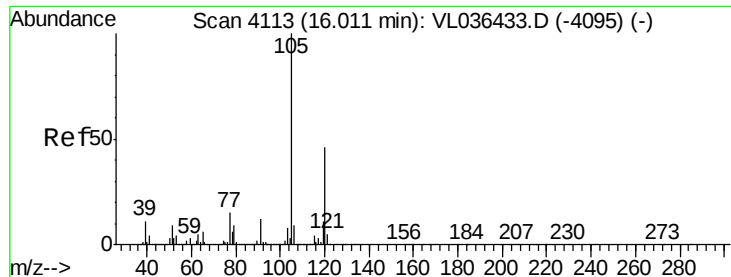
Tot Ion: 91 Resp: 4534408
 Ion Ratio Lower Upper
 91 100
 126 30.5 12.0 48.0



#72
 4-Ethyltoluene
 Concen: 10.482 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T.: -0.02 min
 Lab File: VL036461.D
 Acq: 24 Mar 2021 9:18

Tgt Ion: 105 Resp: 4492940
 Ion Ratio Lower Upper
 105 100
 120 31.0 23.8 35.6
 91 13.8 10.9 16.3
 77 15.0 11.9 17.9





#73

1,3,5-Trimethylbenzene

Concen: 10.274 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

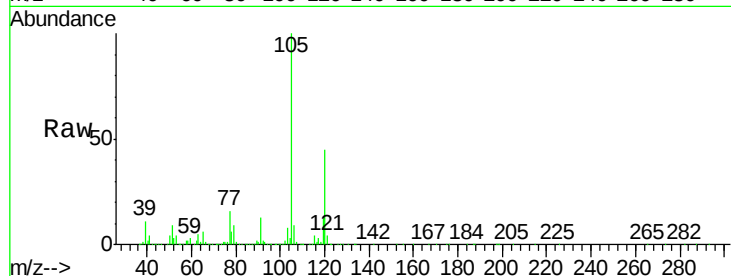
Acq: 24 Mar 2021 9:18

Tot Ion:105 Resp: 4272724

Ion Ratio Lower Upper

105 100

120 45.2 36.4 54.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

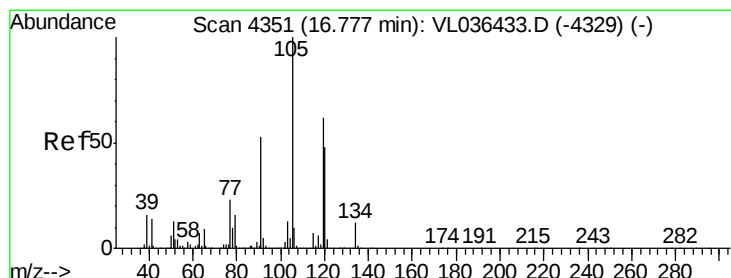
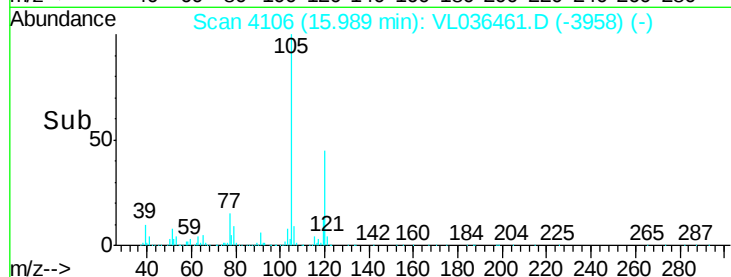
1000000

500000

0

15.90 15.95 16.00 16.05

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.900 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

Tgt Ion:105 Resp: 4371251

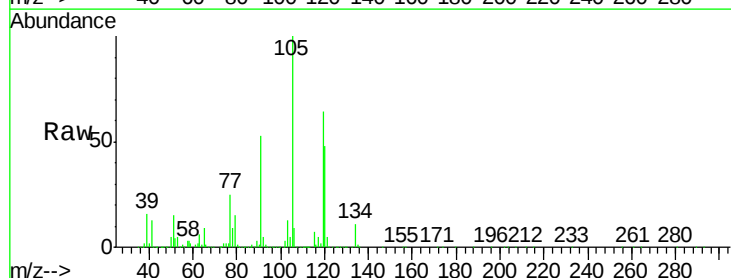
Ion Ratio Lower Upper

105 100

120 47.5 38.2 57.4

91 52.5 42.6 63.8

77 24.5 18.6 28.0



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

2500000

2000000

1500000

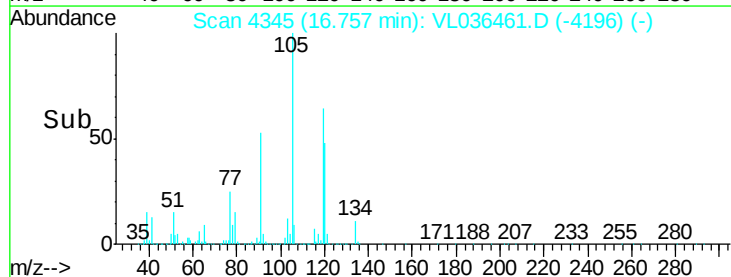
1000000

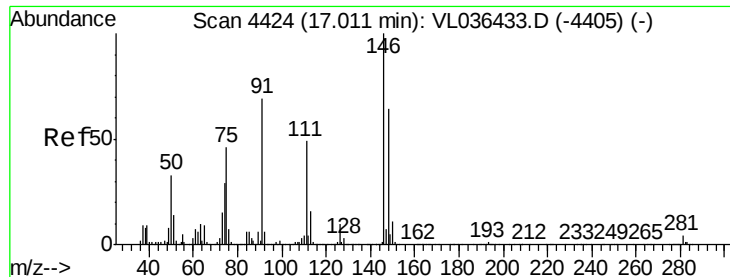
500000

0

16.60 16.70 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.982 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Mar 2021 9:18

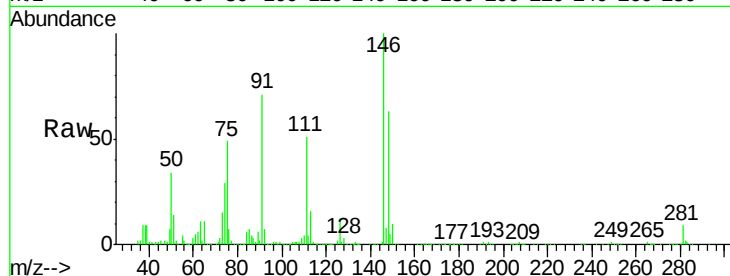
Tot Ion:146 Resp: 2447578

Ion Ratio Lower Upper

146 100

111 49.1 24.5 73.5

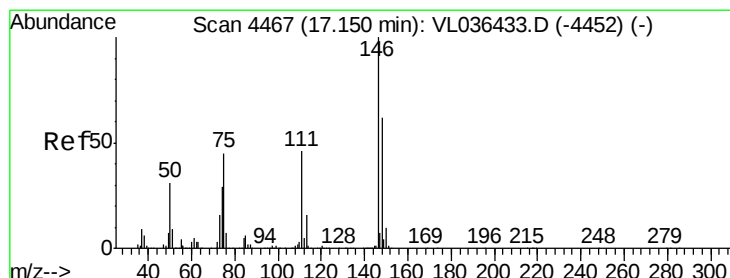
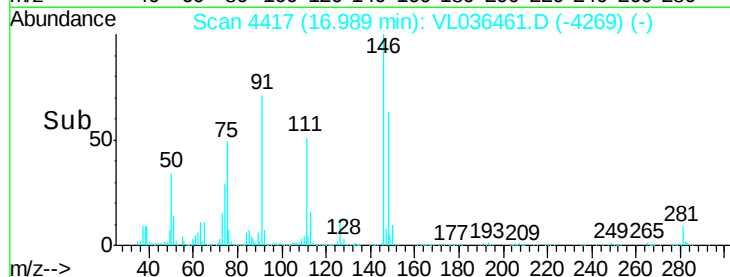
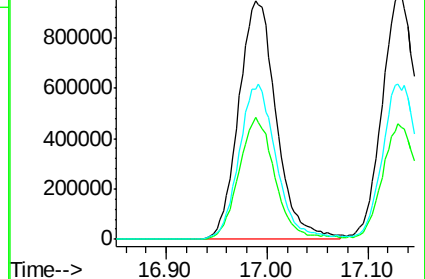
148 64.3 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.567 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

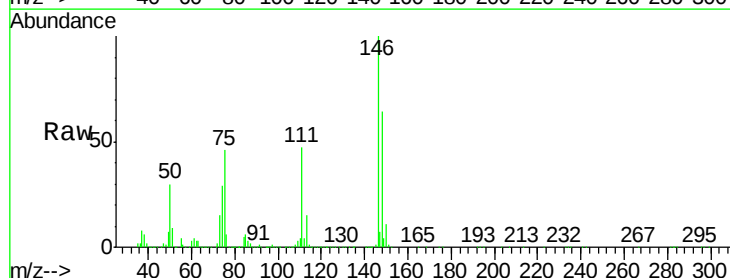
Tgt Ion:146 Resp: 2344122

Ion Ratio Lower Upper

146 100

111 49.3 24.5 73.5

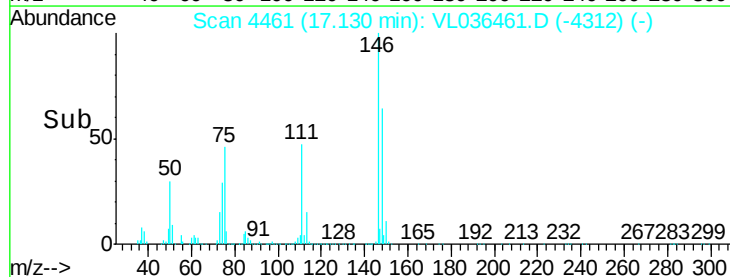
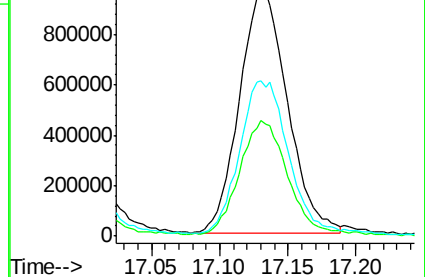
148 67.6 33.1 99.2

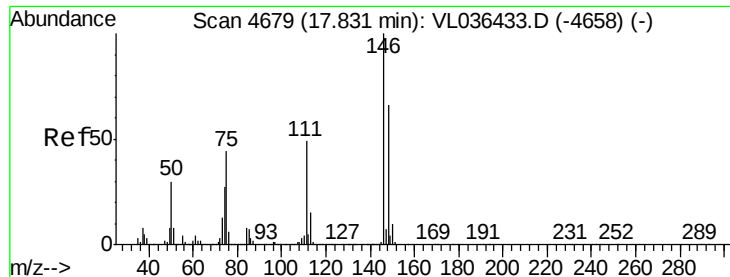


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 9.875 ppbv

RT: 17.81 min

Delta R.T. MSVOA_L

Lab File:

Acq: 24 Mar 2021 9:18

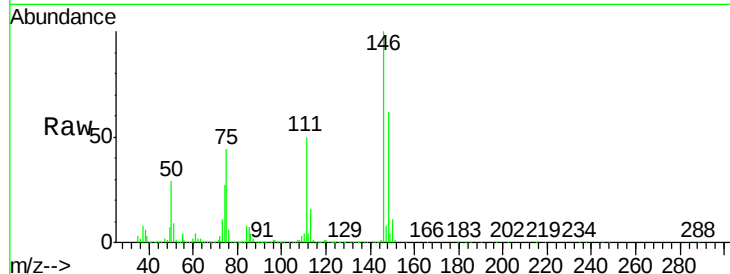
Tot Ion:146 Resp: 2370867

Ion Ratio Lower Upper

146 100

111 50.6 25.4 76.2

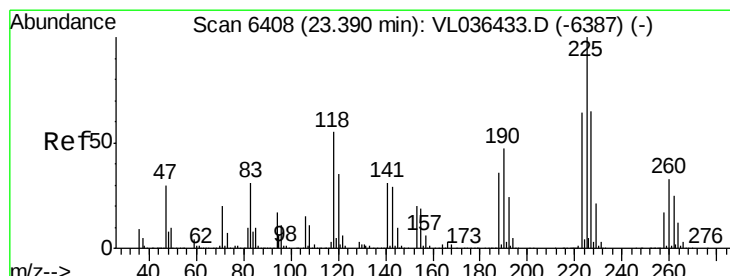
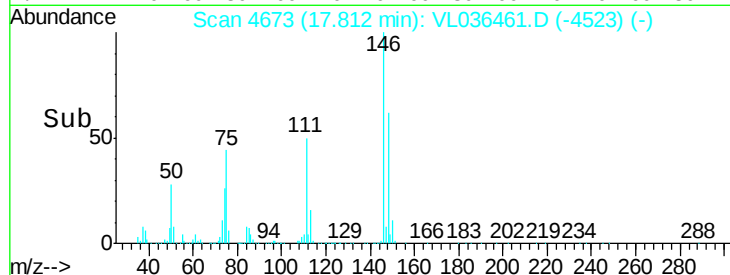
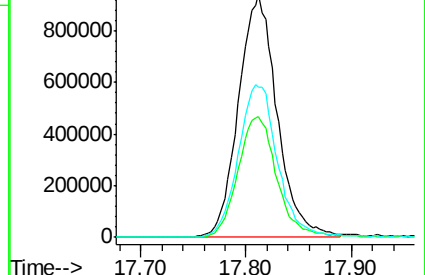
148 64.4 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.643 ppbv

RT: 23.37 min Scan# 6402

Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

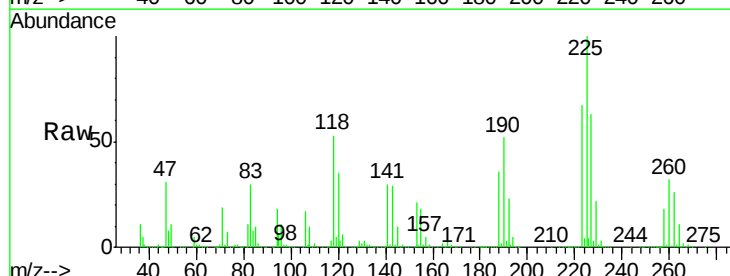
Tgt Ion:225 Resp: 1651381

Ion Ratio Lower Upper

225 100

223 66.5 51.8 77.8

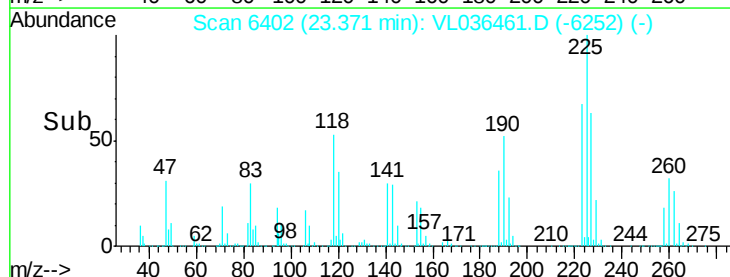
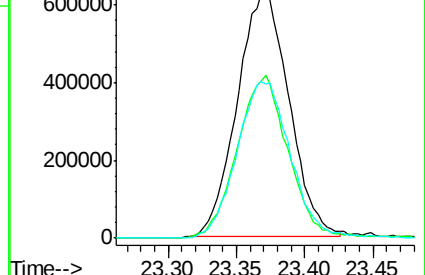
227 66.6 53.0 79.6

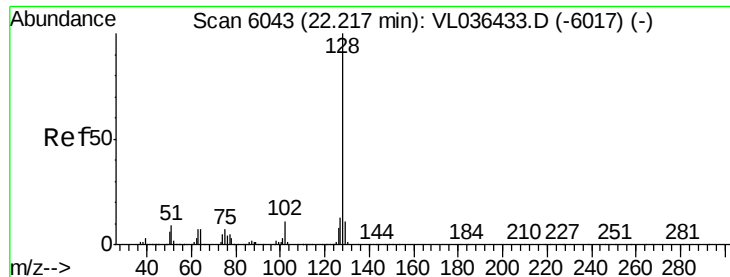


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.977 ppbv

RT: 22.19 min

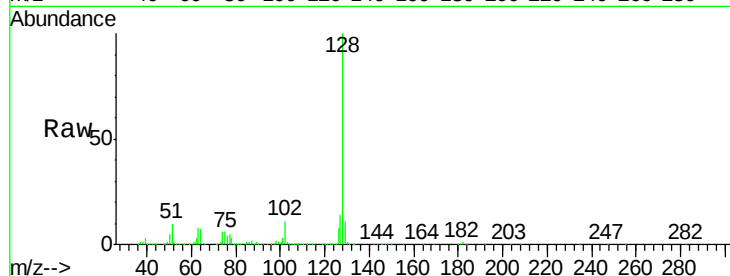
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2021 9:18

Tot Ion:128 Resp: 3097685

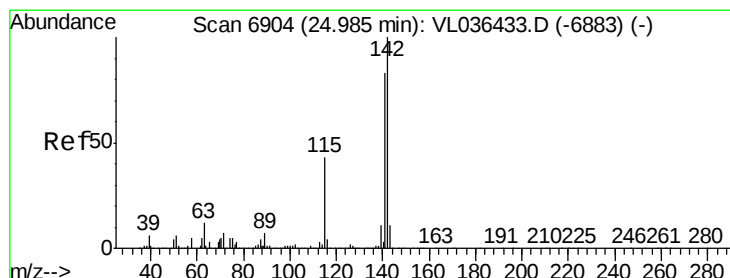
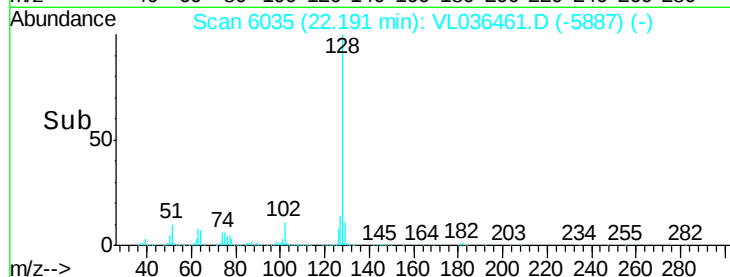
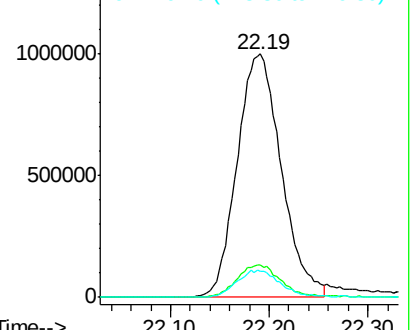
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	10.8	9.1	13.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 18.742 ppbv

RT: 24.97 min Scan# 6899

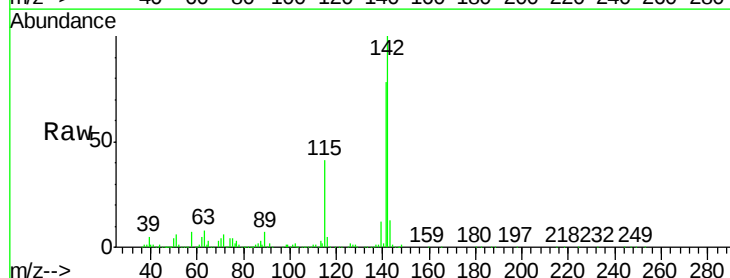
Delta R.T. -0.02 min

Lab File: VL036461.D

Acq: 24 Mar 2021 9:18

Tgt Ion:142 Resp: 1048115

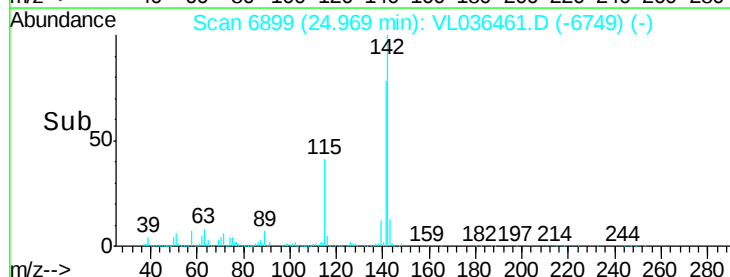
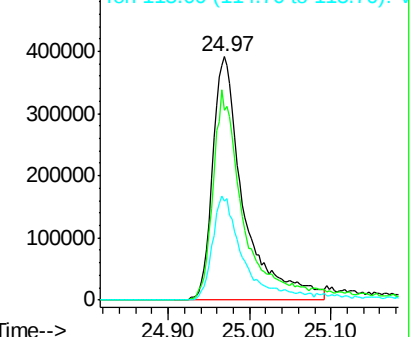
Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.0	103.6
115	44.8	32.4	48.6

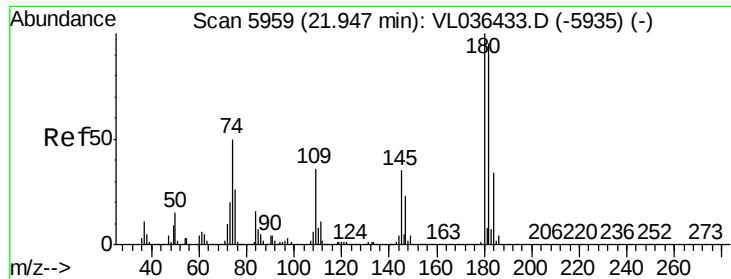


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

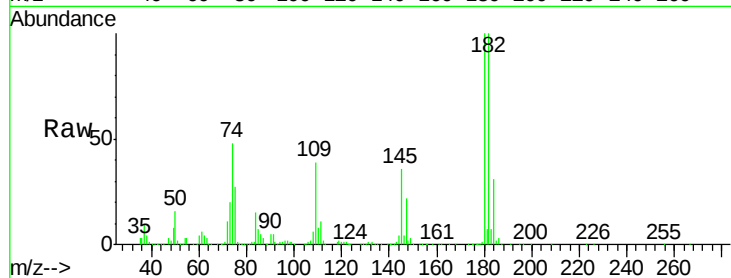
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.102 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2021 9:18

Tot Ion:180 Resp: 1650493
 Ion Ratio Lower Upper
 180 100
 182 100.3 81.8 122.6
 184 32.6 26.6 40.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

