

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120721\
 Data File : VL038161.D
 Acq On : 8 Dec 2021 9:27
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 08 15:01:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	768821	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2188585	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2089606	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1657791	11.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1269961	10.000	ppbv 97
3) Chlorodifluoromethane	3.00	51	1932590	11.970	ppbv 97
4) Chloromethane	3.15	50	661183	12.030	ppbv 98
5) Vinyl Chloride	3.27	62	656964	12.184	ppbv 97
6) Bromomethane	3.48	94	371774	12.871	ppbv 98
7) Chloroethane	3.56	64	227388	11.883	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	1558171	12.334	ppbv 93
9) Propene	3.02	41	631958	10.628	ppbv 96
10) Heptane	8.12	43	1638438	11.149	ppbv 99
11) Trichlorofluoromethane	3.95	101	1579563	13.078	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1151143	13.474	ppbv 97
13) Ethanol	3.62	45	58076	10.107	ppbv 93
14) Bromoethene	3.75	108	454751	11.887	ppbv 99
15) Acetone	3.85	43	816772	12.253	ppbv 96
16) 1,3-Butadiene	3.33	39	640556	12.318	ppbv 97
17) tert-Butyl alcohol	4.29	59	906705	11.214	ppbv 100
18) 1,1-Dichloroethene	4.29	96	503075	12.836	ppbv 92
19) Isopropyl Alcohol	3.97	45	508483	10.558	ppbv # 96
20) Methylene Chloride	4.35	84	419248	11.229	ppbv 98
21) Allyl Chloride	4.42	41	765824	12.412	ppbv 97
22) trans-1,2-Dichloroethene	4.89	96	559835	14.102	ppbv 95
23) Vinyl Acetate	5.07	43	1251866	12.973	ppbv 97
24) 1,1-Dichloroethane	5.01	63	1076181	13.393	ppbv 98
25) Ethyl Acetate	5.68	43	2503375	11.300	ppbv 100
26) Hexane	5.69	57	1155309	10.820	ppbv 99
27) Carbon Disulfide	4.55	76	1260432	13.177	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1138581	12.553	ppbv 100
29) Chloroform	5.75	83	1858629	11.810	ppbv 97
30) Cyclohexane	7.13	84	1026922	10.593	ppbv 96
31) cis-1,2-Dichloroethene	5.55	61	1033349	10.173	ppbv 94
32) 1,1,1-Trichloroethane	6.51	97	1855062	11.615	ppbv 97
34) 2-Butanone	5.24	43	864257	9.793	ppbv 98
35) Carbon Tetrachloride	7.02	117	1930425	12.554	ppbv 97
36) Benzene	6.89	78	2528957	11.584	ppbv 98
37) 1,2-Dichloroethane	6.31	62	1497098	14.199	ppbv 96
38) Trichloroethene	7.83	130	884499	10.741	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1008938	12.048	ppbv 95
40) 1,4-Dioxane	7.83	88	243076	11.141	ppbv # 1
41) Tetrahydrofuran	6.05	42	639670	11.677	ppbv 98
42) Bromodichloromethane	7.79	83	2062113	12.864	ppbv 99
43) Methyl Methacrylate	8.01	69	934966	12.518	ppbv 94

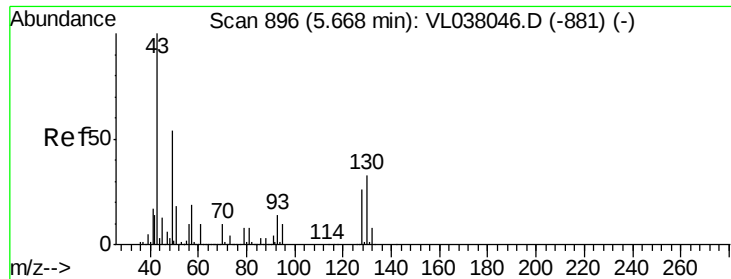
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Quant Time: Dec 08 15:01:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
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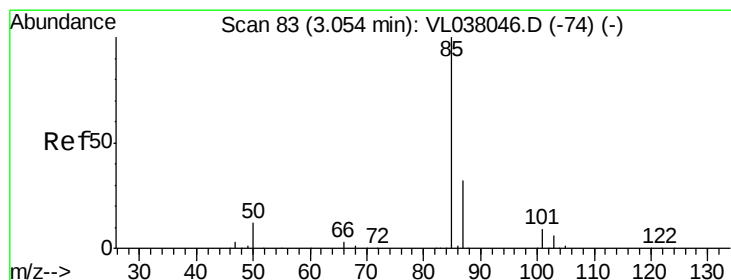
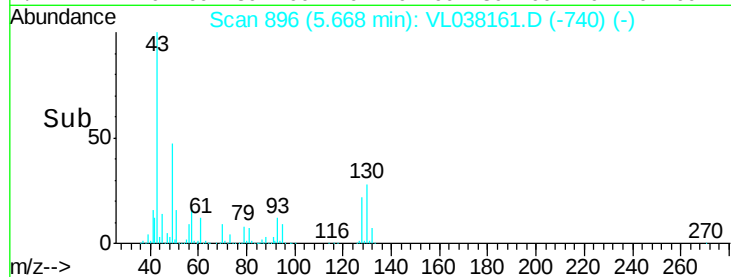
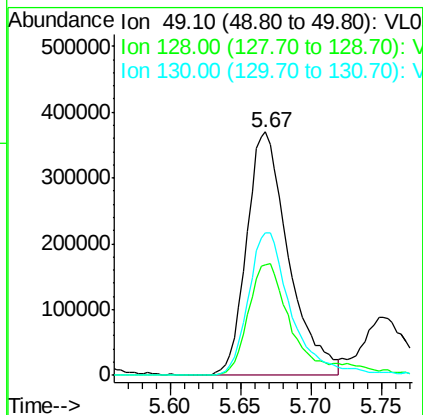
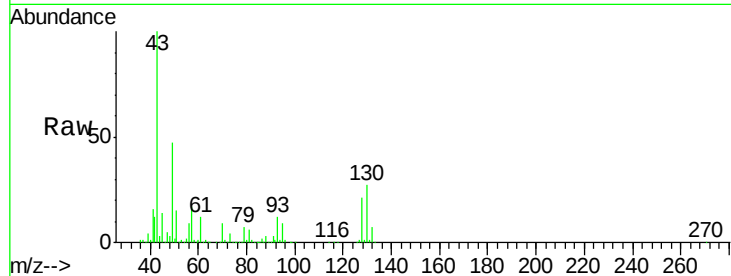
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4159043	11.387	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	921322	15.378	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1161798	14.337	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1002905	11.435	ppbv	97
48) Dibromochloromethane	10.30	129	1668271	12.490	ppbv	98
49) Bromoform	13.03	173	1225171	12.821	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1709138	12.753	ppbv	98
51) 2-Hexanone	10.14	43	825836	13.097	ppbv #	96
52) Tetrachloroethene	11.22	164	828049	10.251	ppbv	98
53) Toluene	9.80	91	2857646	11.376	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1486592	11.999	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.12	131	1067559	11.254	ppbv	97
57) Chlorobenzene	12.14	112	1986485	10.607	ppbv	93
58) Ethyl Benzene	12.70	91	3776741	10.935	ppbv	98
59) m/p-Xylene	12.99	91	3301063	11.354	ppbv #	45
60) o-Xylene	13.69	91	2919242	10.824	ppbv	96
61) Styrene	13.52	104	1551999	10.733	ppbv	93
62) Isopropylbenzene	14.66	105	3981752	10.401	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2146932	10.717	ppbv	99
64) n-propylbenzene	15.55	120	1020123	10.460	ppbv	88
65) tert-Butylbenzene	16.74	119	3451040	10.232	ppbv	96
66) Benzyl Chloride	16.98	91	170988	10.003	ppbv	94
67) sec-Butylbenzene	17.29	105	4878434	10.380	ppbv	100
69) p-Isopropyltoluene	17.64	119	3991636	10.858	ppbv	97
70) n-Butylbenzene	18.54	91	4098557	11.660	ppbv	98
71) 2-Chlorotoluene	15.45	91	3103248	11.087	ppbv	96
72) 4-Ethyltoluene	15.83	105	3430727	10.971	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	3085586	10.804	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	3221919	10.947	ppbv	98
75) 1,3-Dichlorobenzene	16.99	146	1815403	11.231	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1737455	10.681	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	1727956	11.040	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	918166	9.395	ppbv	98
79) Naphthalene	22.18	128	1721068	11.104	ppbv	97
80) Naphthalene, 2-methyl-	24.97	142	365877	11.015	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	965104	10.836	ppbv	100

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

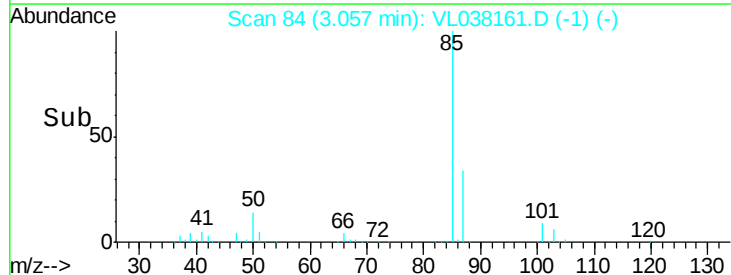
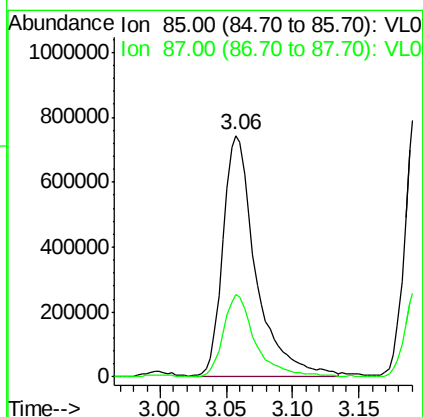
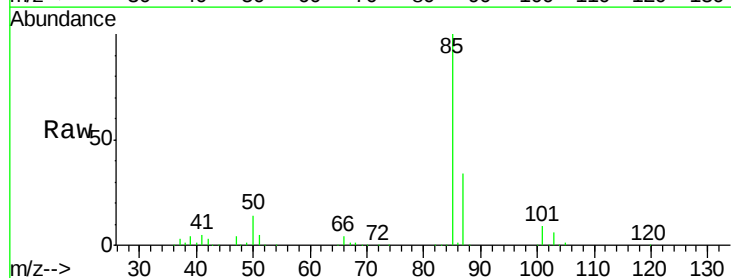


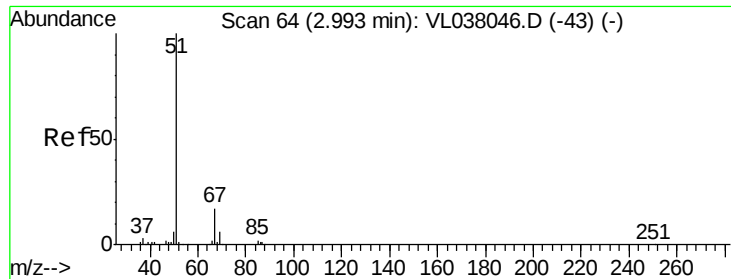
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

Tot Ion: 49 Resp: 768821
 Ion Ratio Lower Upper
 49 100
 128 50.0 26.5 79.5
 130 61.0 32.5 97.4



#2
 Dichlorodifluoromethane
 Concen: 10.000 ppbv
 RT: 3.06 min Scan# 84
 Delta R.T.: 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27
 Tgt Ion: 85 Resp: 1269961
 Ion Ratio Lower Upper
 85 100
 87 34.0 25.8 38.6





#3

Chlorodifluoromethane

Concen: 11.970 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

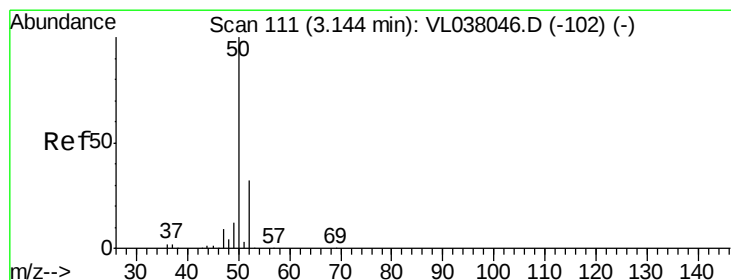
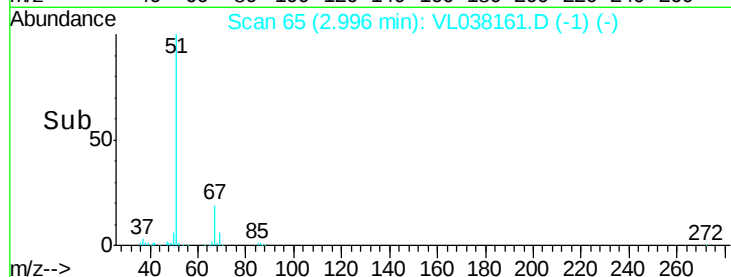
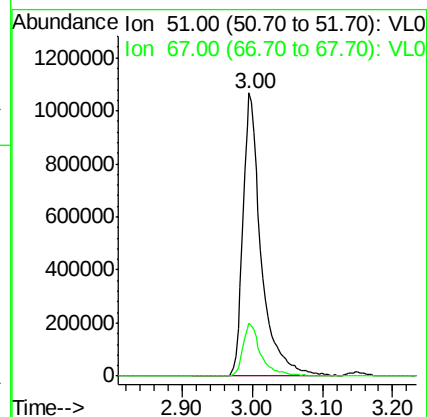
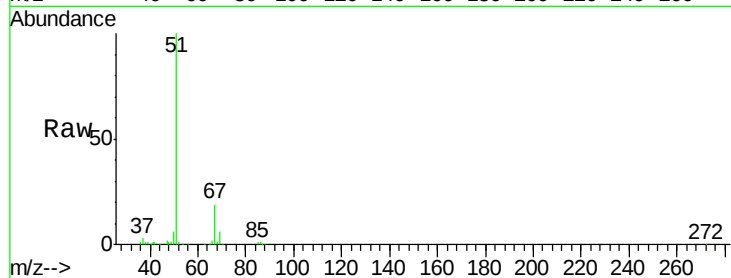
Acq: 8 Dec 2021 9:27

Tot Ion: 51 Resp: 1932590

Ion Ratio Lower Upper

51 100

67 18.6 13.8 20.8



#4

Chloromethane

Concen: 12.030 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL038161.D

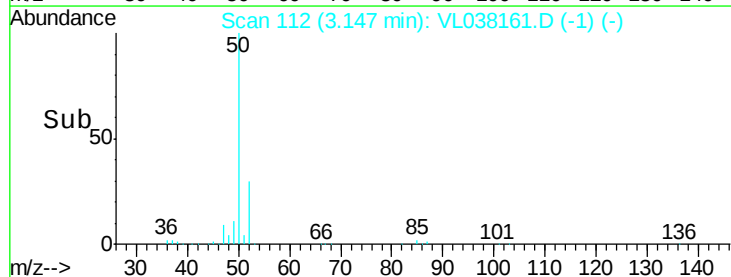
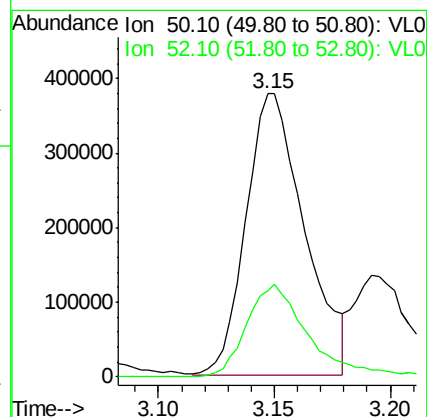
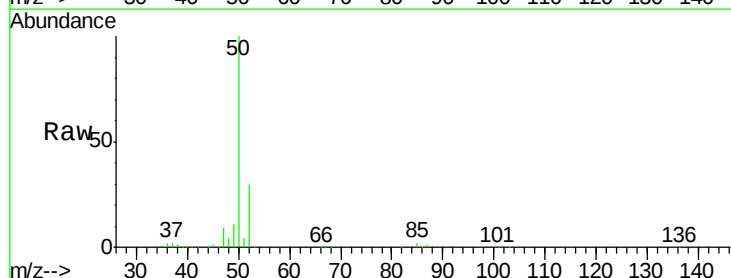
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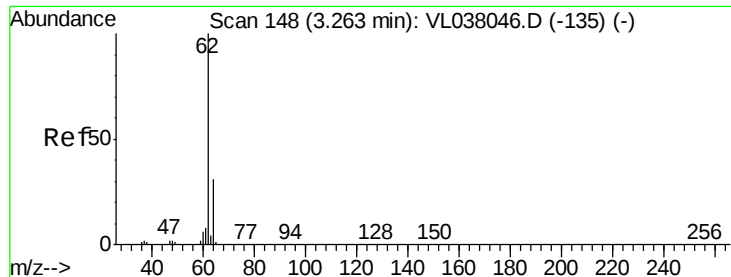
Tgt Ion: 50 Resp: 661183

Ion Ratio Lower Upper

50 100

52 30.6 25.4 38.0





#5

Vinyl Chloride

Concen: 12.184 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

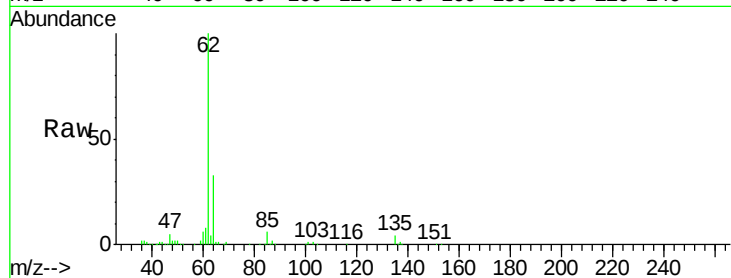
Acq: 8 Dec 2021 9:27

Tot Ion: 62 Resp: 656964

Ion Ratio Lower Upper

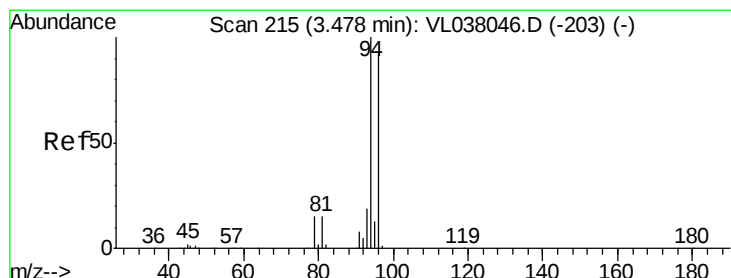
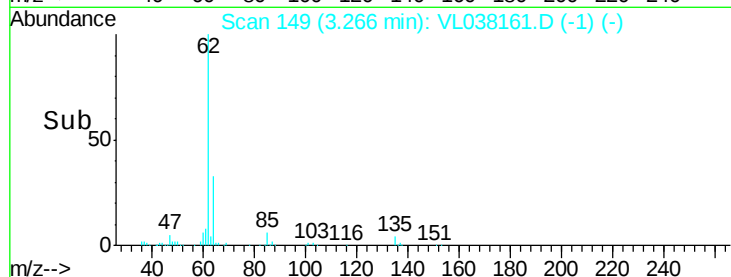
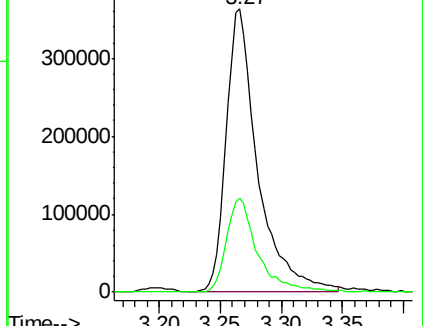
62 100

64 33.0 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 12.871 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL038161.D

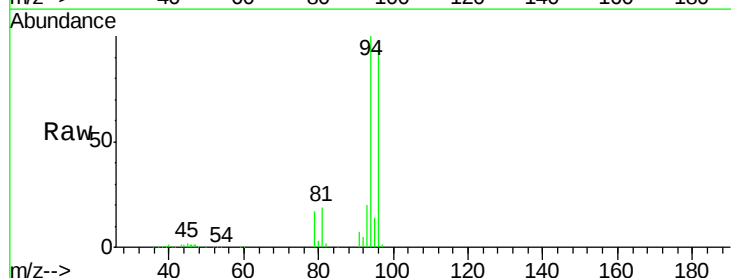
Acq: 8 Dec 2021 9:27

Tgt Ion: 94 Resp: 371774

Ion Ratio Lower Upper

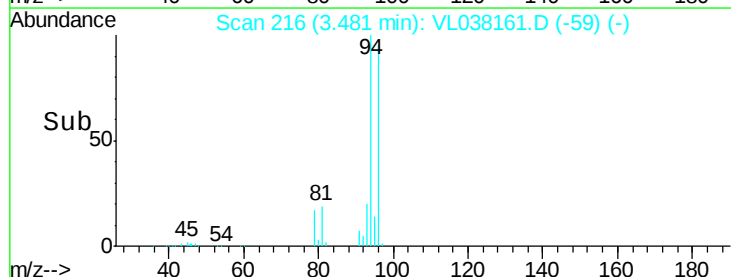
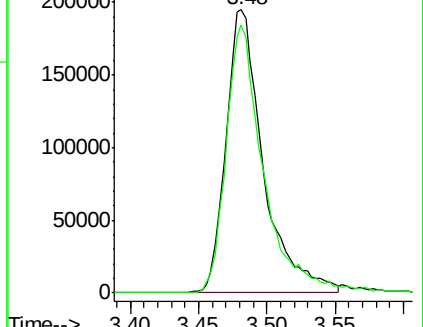
94 100

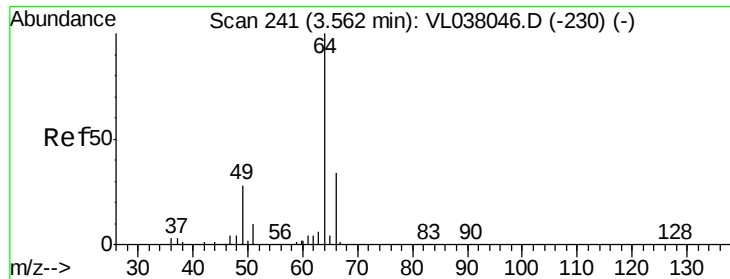
96 94.5 73.9 110.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 11.883 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

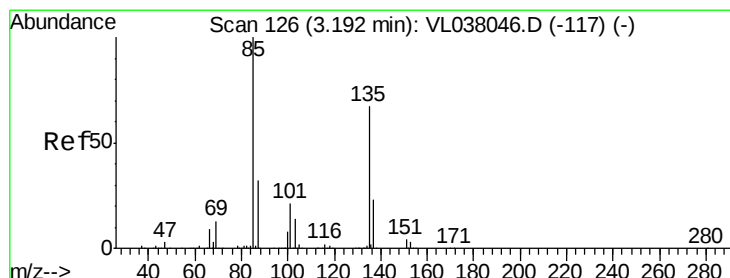
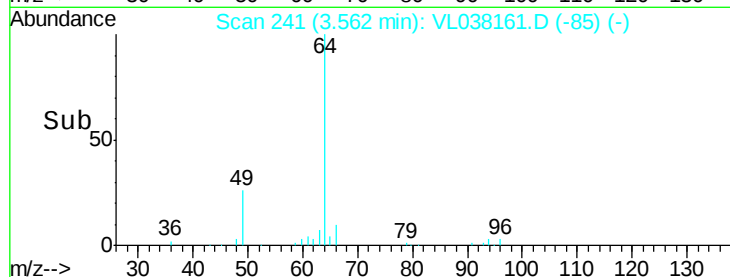
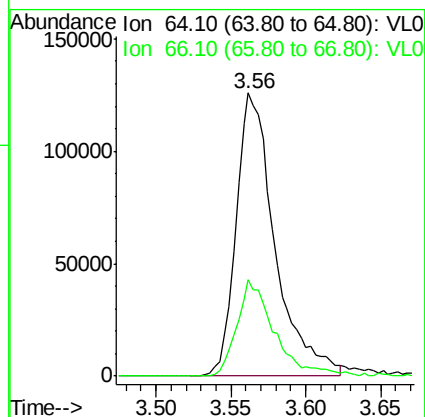
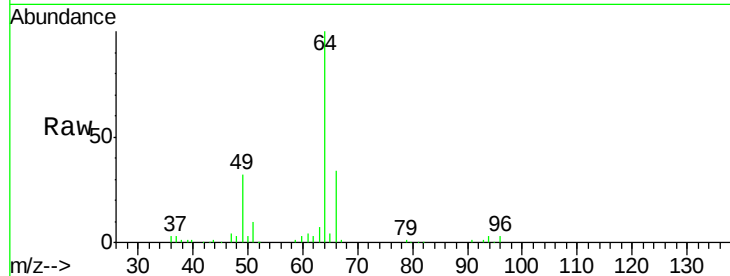
Acq: 8 Dec 2021 9:27

Tot Ion: 64 Resp: 227388

Ion Ratio Lower Upper

64 100

66 33.9 27.2 40.8



#8

Dichlorotetrafluoroethane

Concen: 12.334 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL038161.D

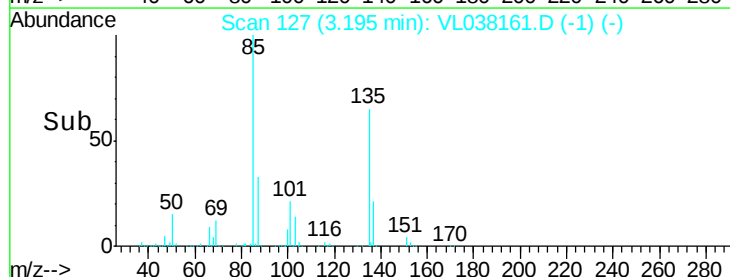
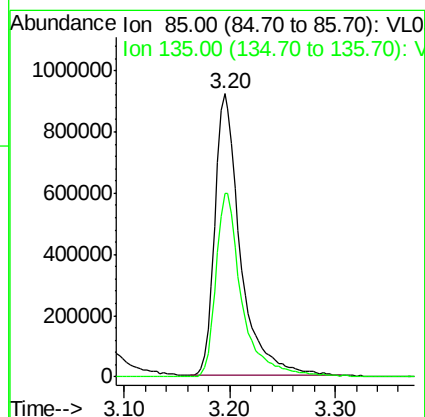
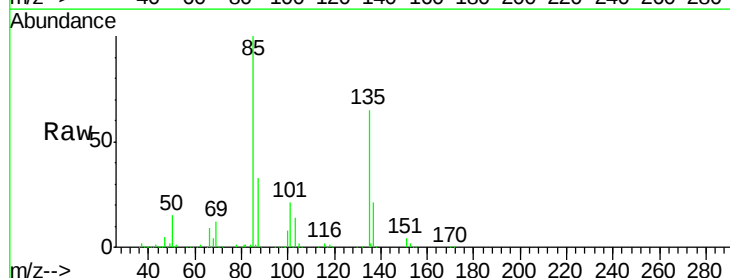
Acq: 8 Dec 2021 9:27

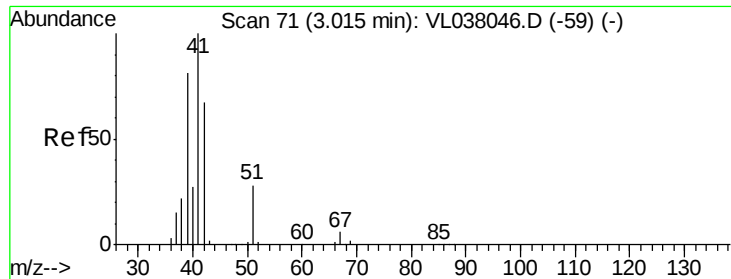
Tgt Ion: 85 Resp: 1558171

Ion Ratio Lower Upper

85 100

135 66.9 57.9 86.9





#9

Propene

Concen: 10.628 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

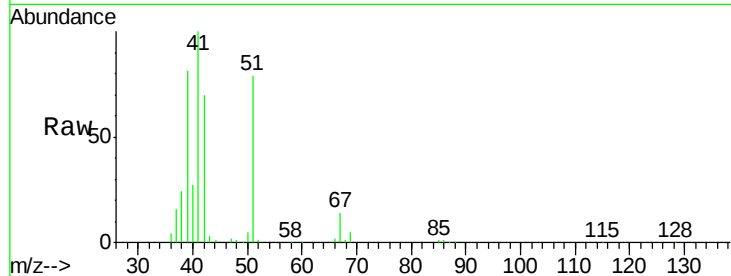
Acq: 8 Dec 2021 9:27

Tot Ion: 41 Resp: 631958

Ion Ratio Lower Upper

41 100

42 70.4 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.02

400000

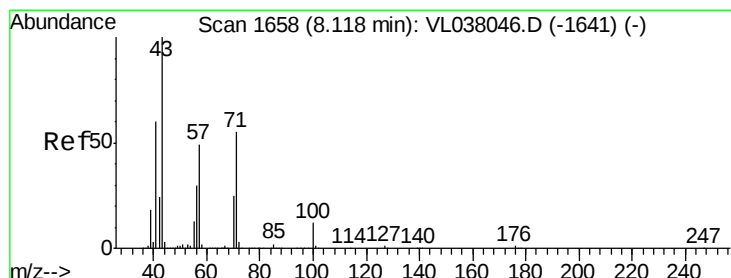
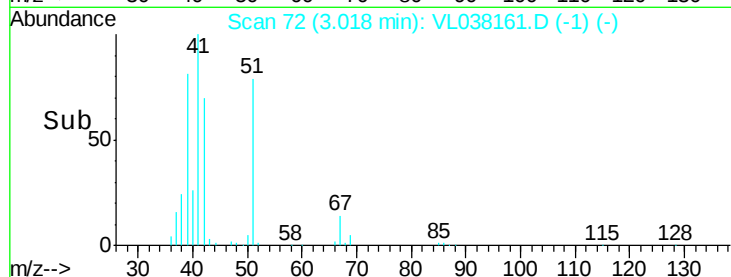
300000

200000

100000

0

Time--> 2.95 3.00 3.05 3.10



#10

Heptane

Concen: 11.149 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VL038161.D

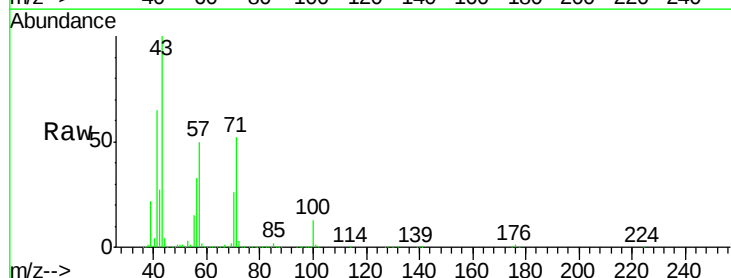
Acq: 8 Dec 2021 9:27

Tgt Ion: 43 Resp: 1638438

Ion Ratio Lower Upper

43 100

57 49.8 40.4 60.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.12

800000

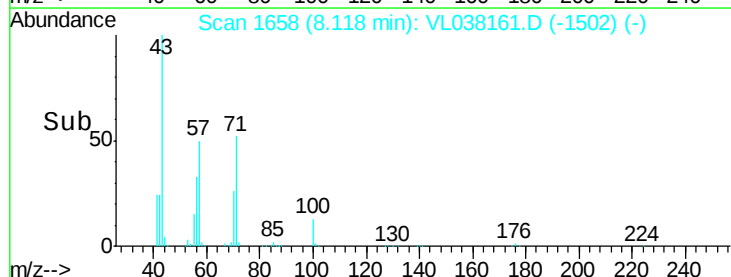
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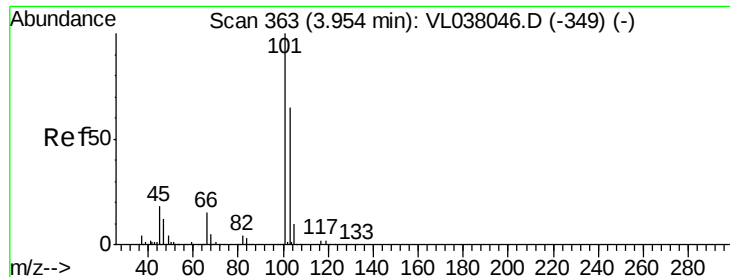
400000

200000

0

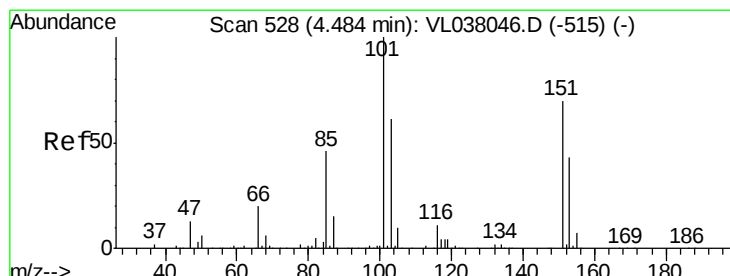
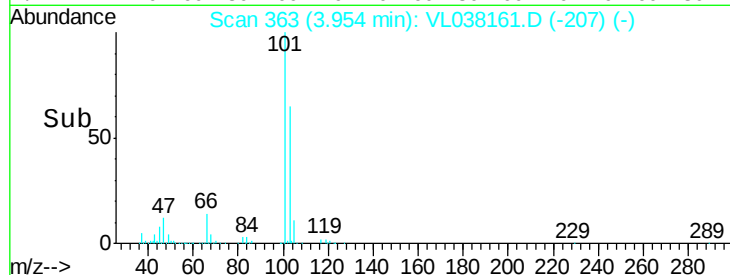
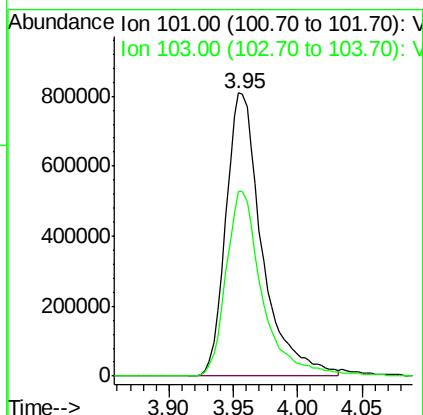
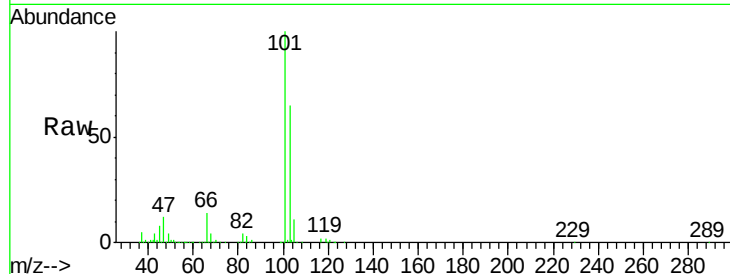
Time--> 8.00 8.10 8.20





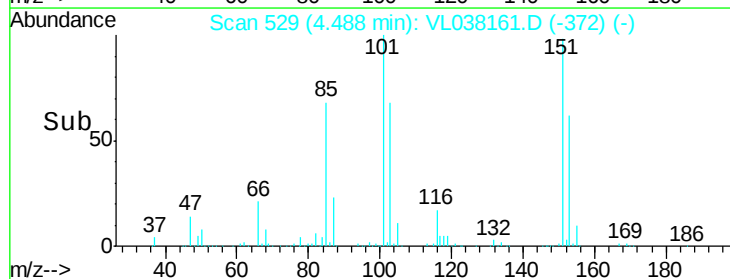
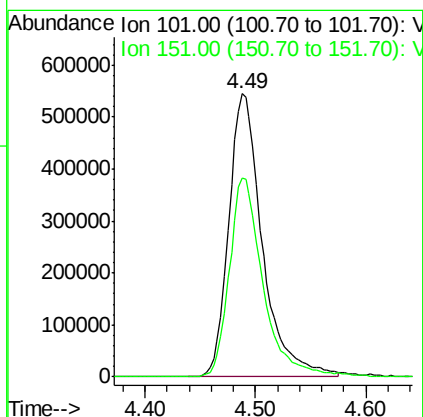
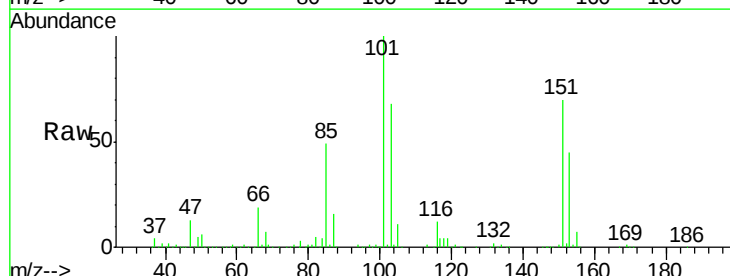
#11
 Trichlorofluoromethane
 Concen: 13.078 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

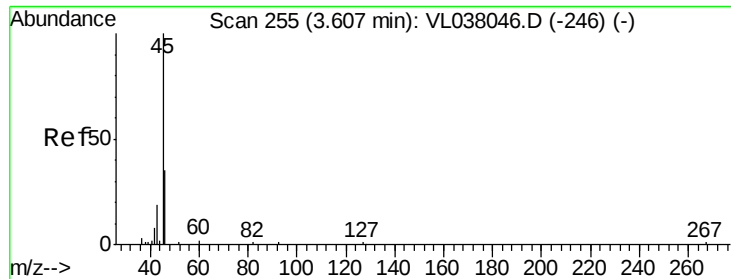
Tot Ion:101 Resp: 1579563
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.474 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T.: 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

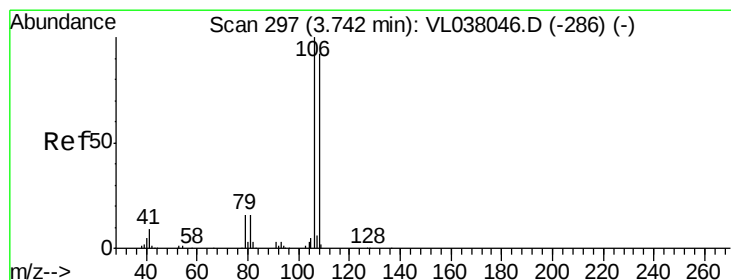
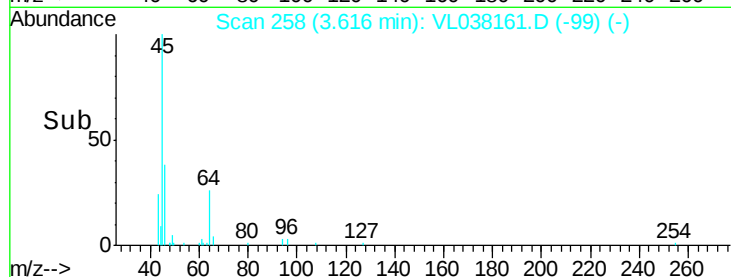
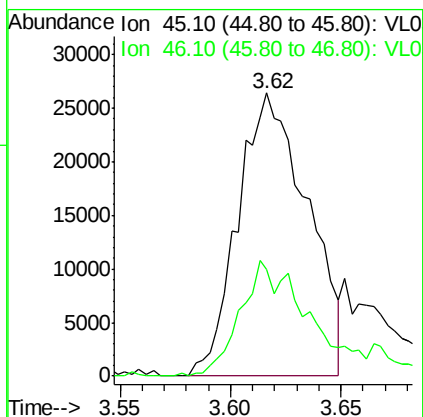
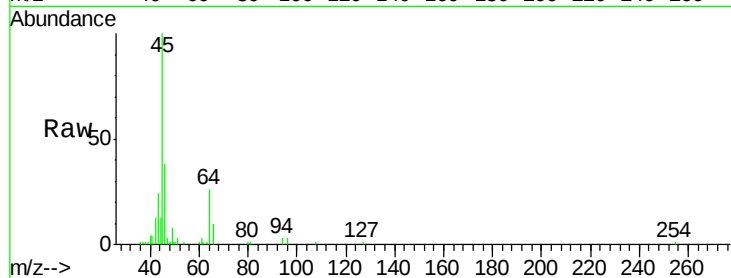
Tgt Ion:101 Resp: 1151143
 Ion Ratio Lower Upper
 101 100
 151 70.7 59.0 88.4





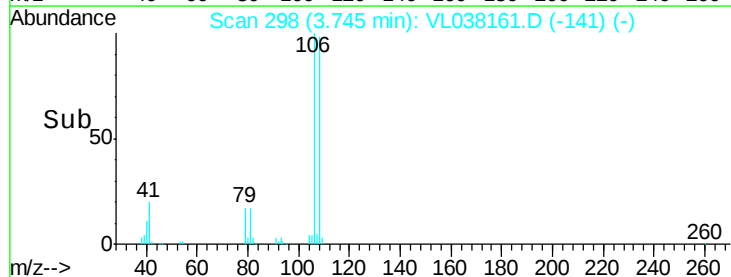
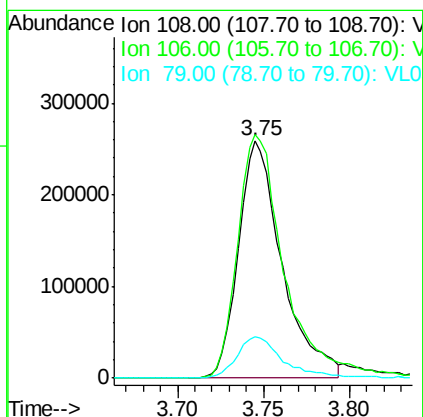
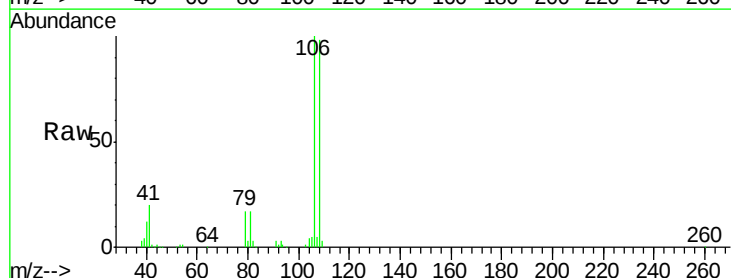
#13
Ethanol
Concen: 10.107 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27

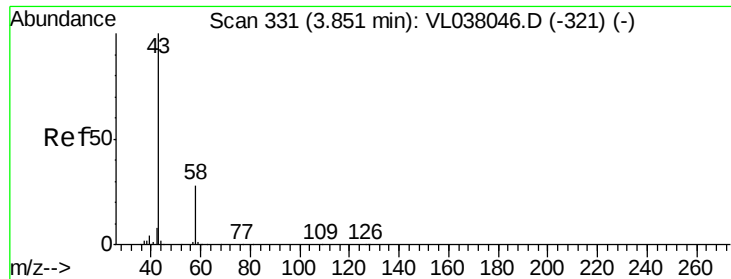
Tot Ion: 45 Resp: 58076
Ion Ratio Lower Upper
45 100
46 48.6 17.6 70.2



#14
Bromoethene
Concen: 11.887 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 108 Resp: 454751
Ion Ratio Lower Upper
108 100
106 112.1 89.4 134.0
79 19.3 14.1 21.1





#15

Acetone

Concen: 12.253 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

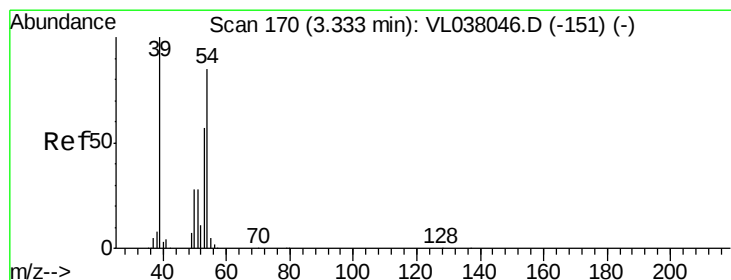
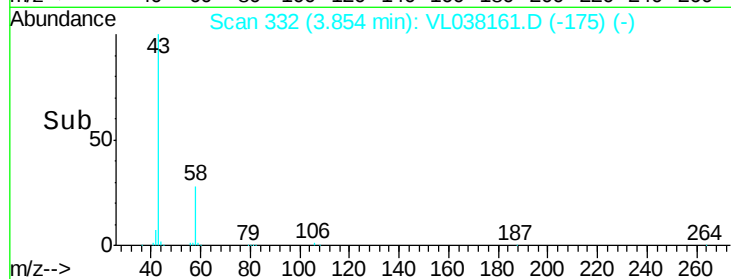
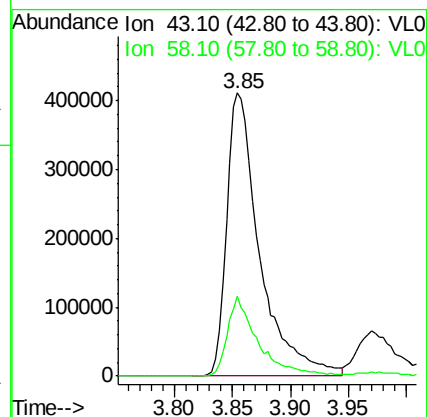
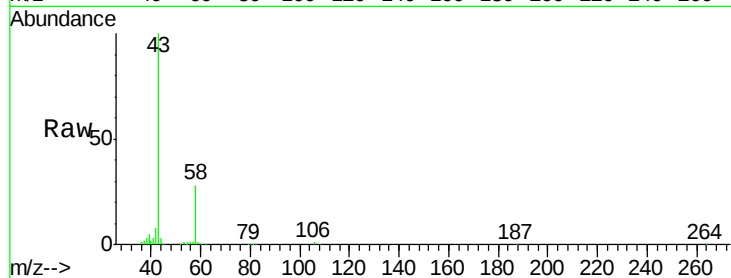
Acq: 8 Dec 2021 9:27

Tot Ion: 43 Resp: 816772

Ion Ratio Lower Upper

43 100

58 26.2 22.4 33.6



#16

1,3-Butadiene

Concen: 12.318 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.00 min

Lab File: VL038161.D

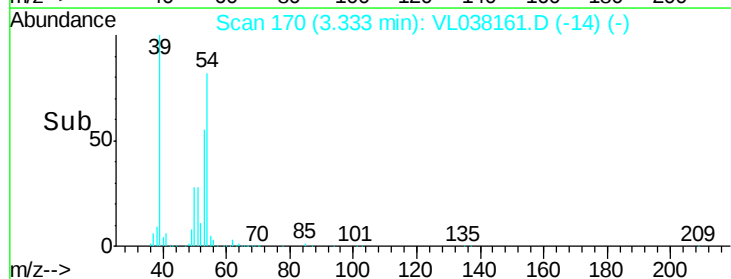
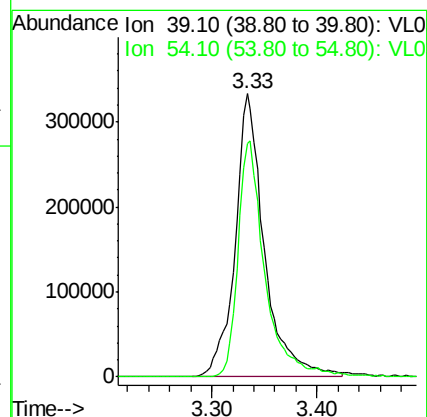
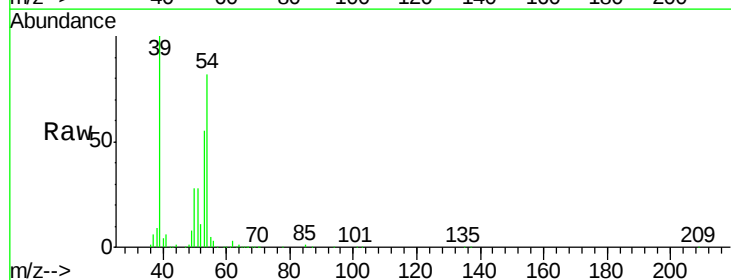
Acq: 8 Dec 2021 9:27

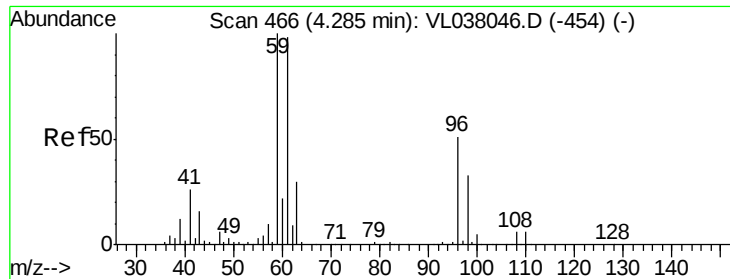
Tgt Ion: 39 Resp: 640556

Ion Ratio Lower Upper

39 100

54 77.5 64.4 96.6





#17

tert-Butyl alcohol

Concen: 11.214 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

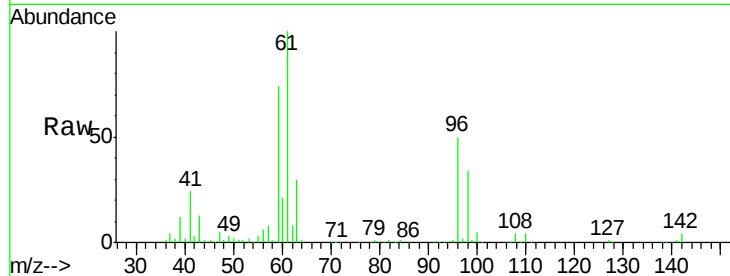
Acq: 8 Dec 2021 9:27

Tot Ion: 59 Resp: 906705

Ion Ratio Lower Upper

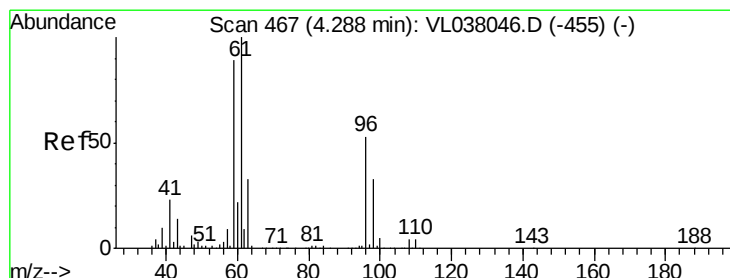
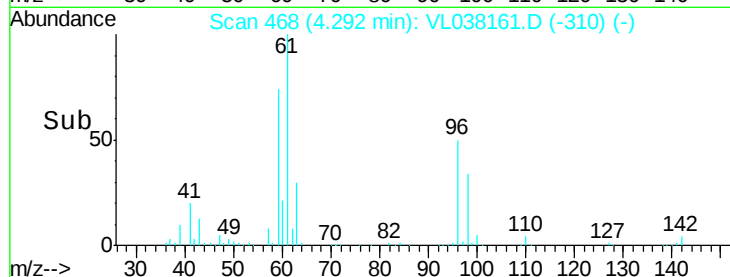
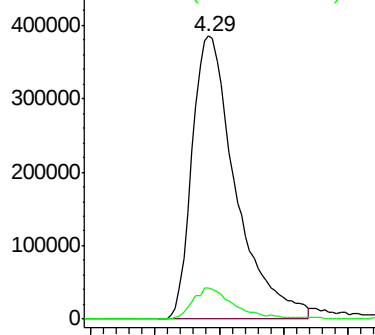
59 100

57 10.8 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 12.836 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

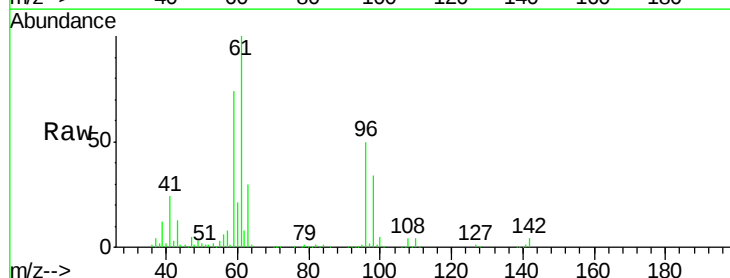
Tgt Ion: 96 Resp: 503075

Ion Ratio Lower Upper

96 100

61 199.3 149.8 224.8

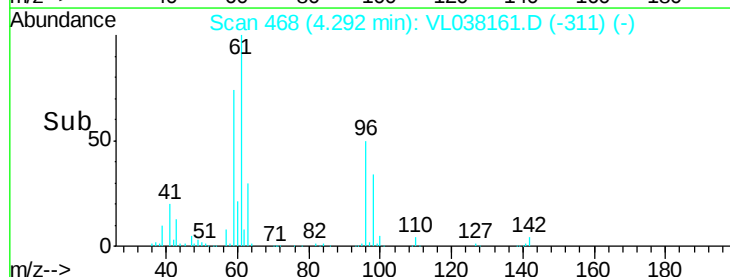
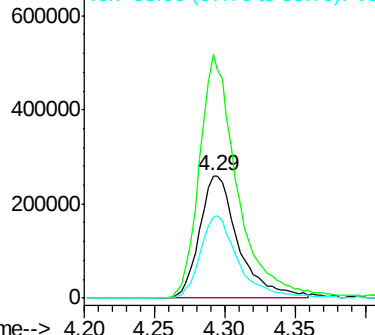
98 66.8 50.2 75.2

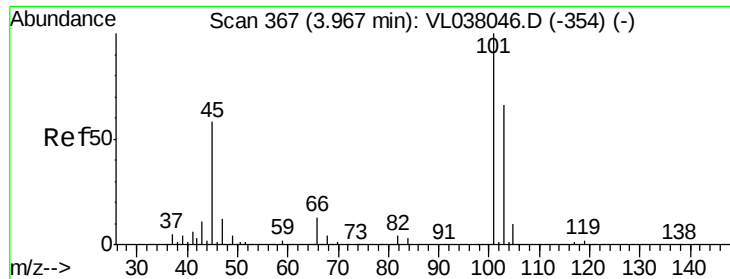


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.558 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

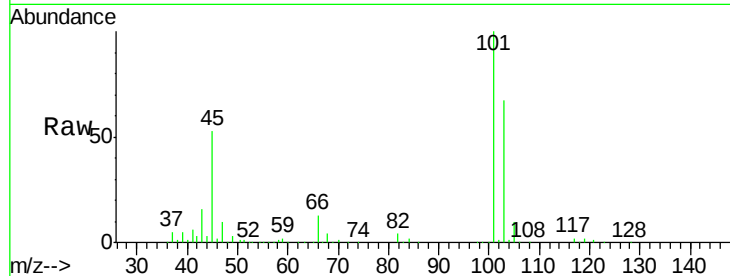
Acq: 8 Dec 2021 9:27

Tot Ion: 45 Resp: 508483

Ion Ratio Lower Upper

45 100

58 3.1 1.4 2.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

250000

200000

150000

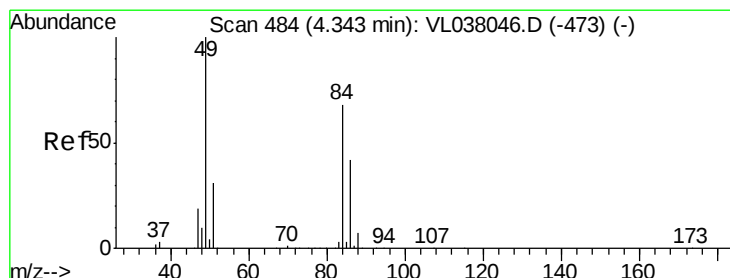
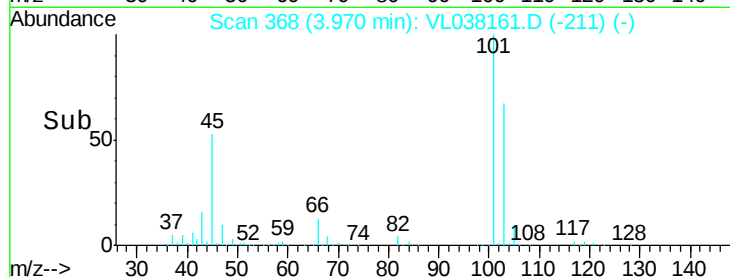
100000

50000

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 11.229 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

Tgt Ion: 84 Resp: 419248

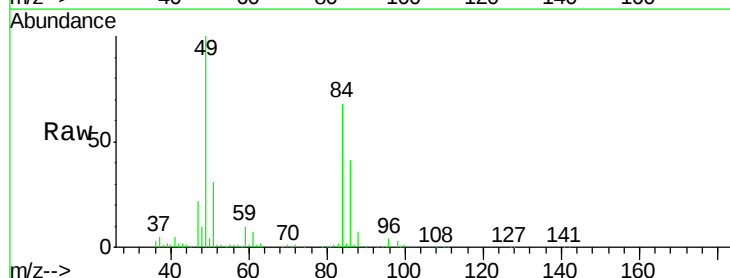
Ion Ratio Lower Upper

84 100

49 146.2 118.2 177.2

51 44.0 36.8 55.2

86 60.3 49.0 73.6



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

500000

400000

300000

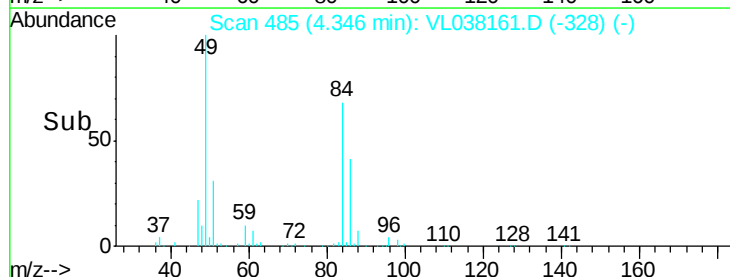
200000

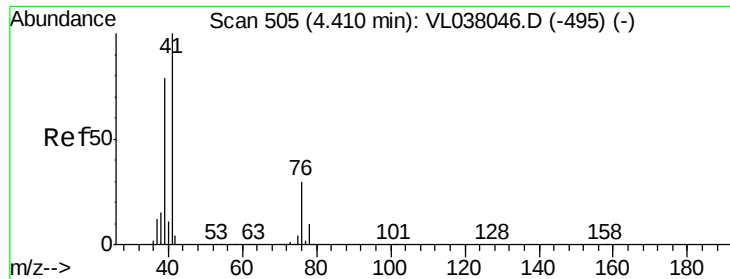
100000

0

4.30 4.35 4.40

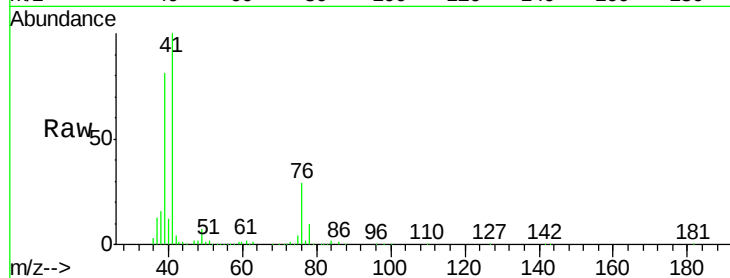
Time-->



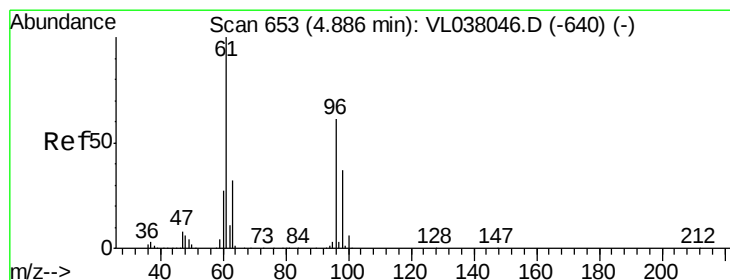
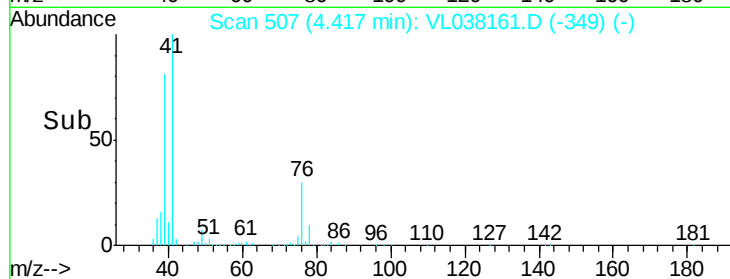
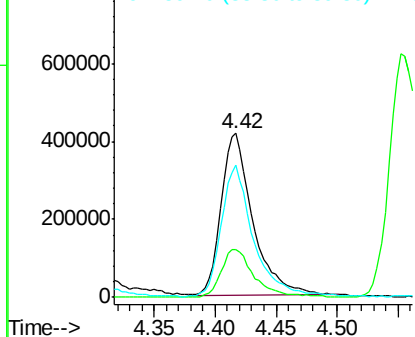


#21
 Allv1 Chloride
 Concen: 12.412 ppbv
 RT: 4.42
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 8 Dec 2021 9:27

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.8	24.6	36.8
39	82.6	63.4	95.0

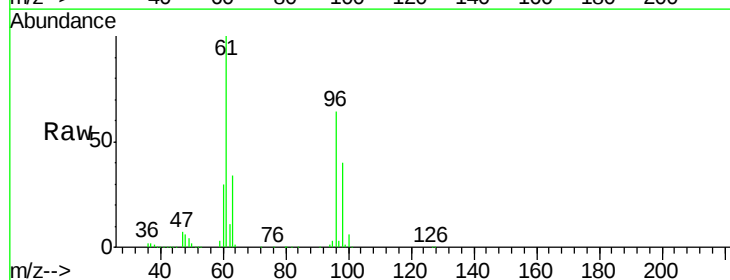


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

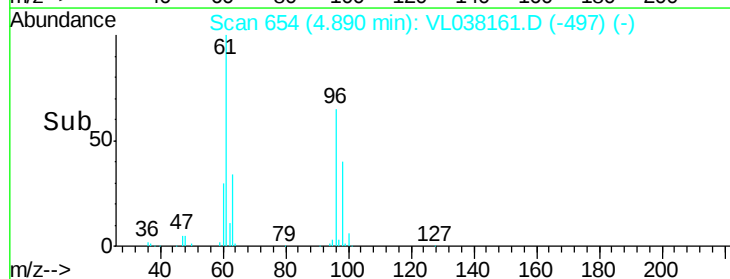
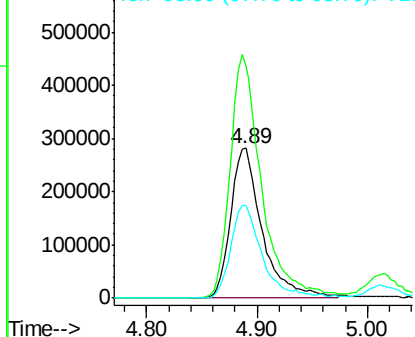


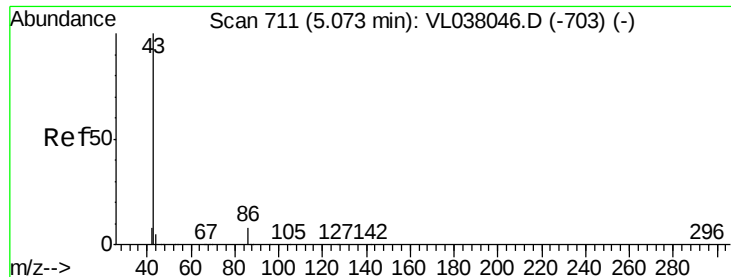
#22
 trans-1,2-Dichloroethene
 Concen: 14.102 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T.: 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.3	131.6	197.4
98	61.7	48.4	72.6



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





#23

Vinyl Acetate

Concen: 12.973 ppbv

RT: 5.07 Instrument:

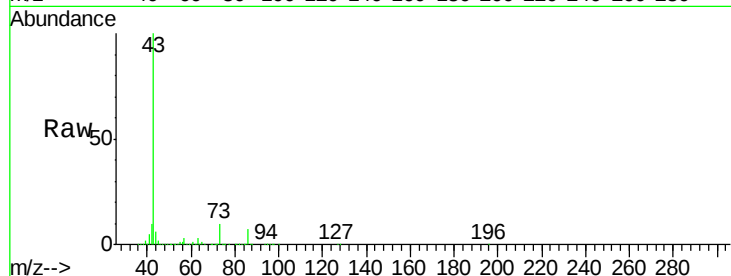
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

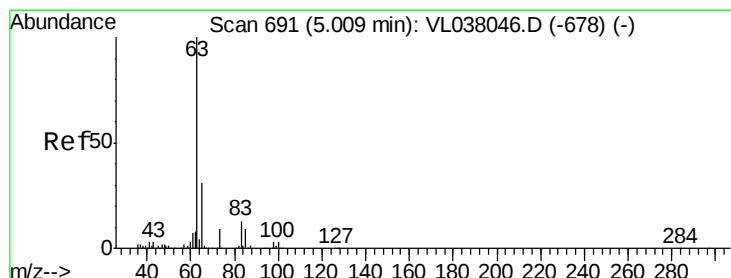
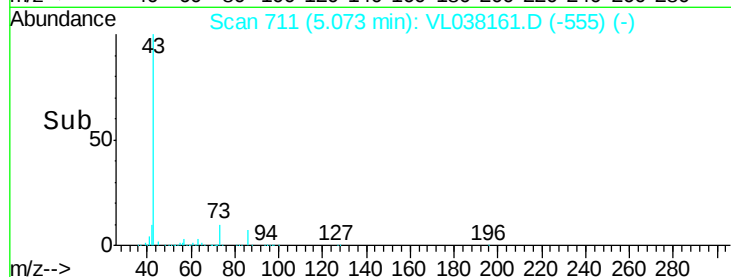
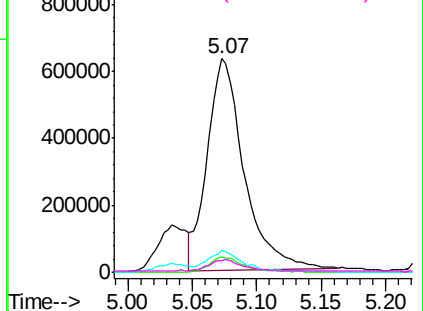
Acq: 8 Dec 2021 9:27

Tot Ion: 43 Resp: 1251866

Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.3	7.9
42	10.4	7.0	10.6
44	4.9	4.0	6.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 13.393 ppbv

RT: 5.01 min Scan# 692

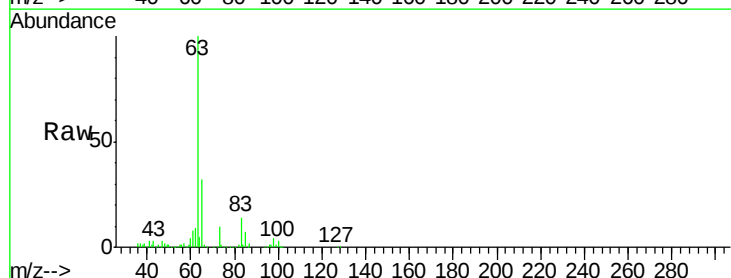
Delta R.T. 0.00 min

Lab File: VL038161.D

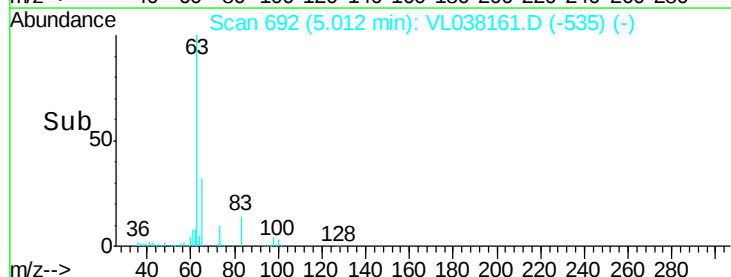
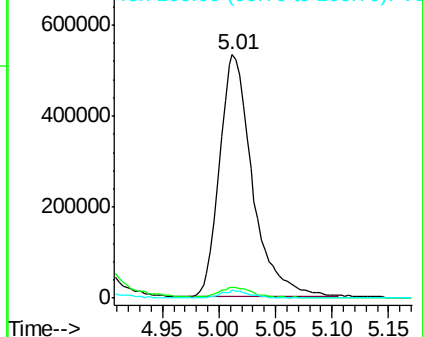
Acq: 8 Dec 2021 9:27

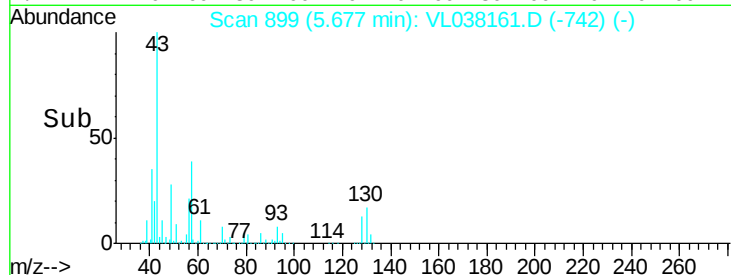
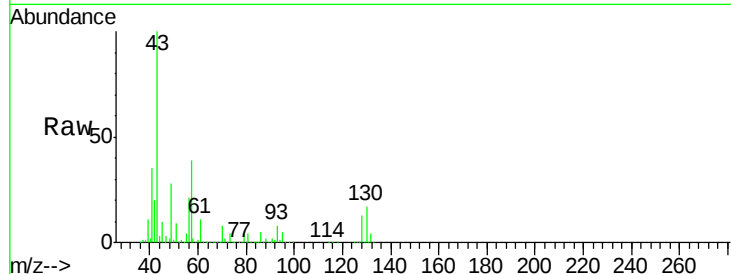
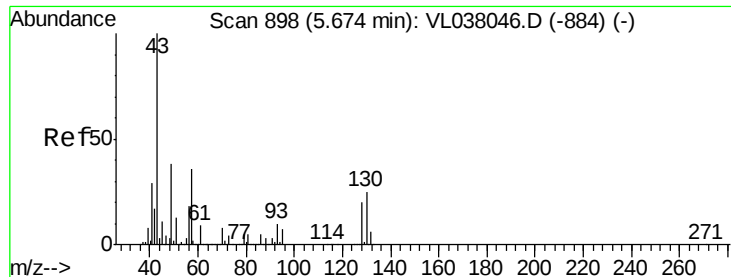
Tgt Ion: 63 Resp: 1076181

Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.8	5.4
100	3.2	1.4	4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0

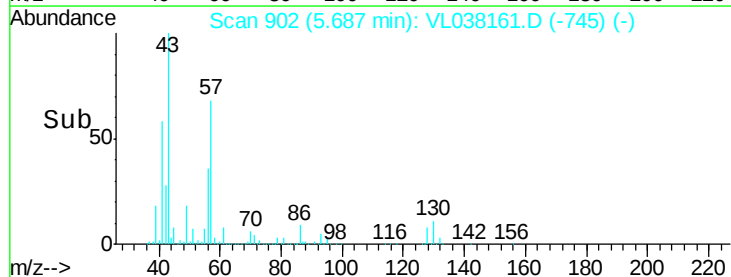
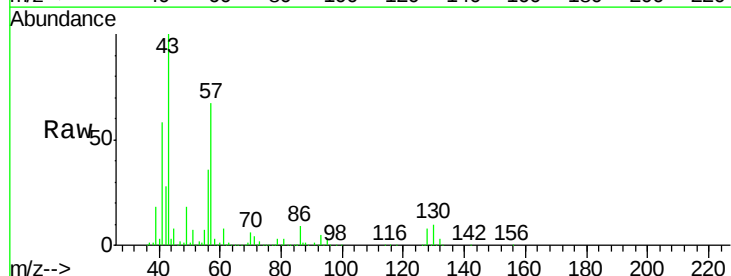
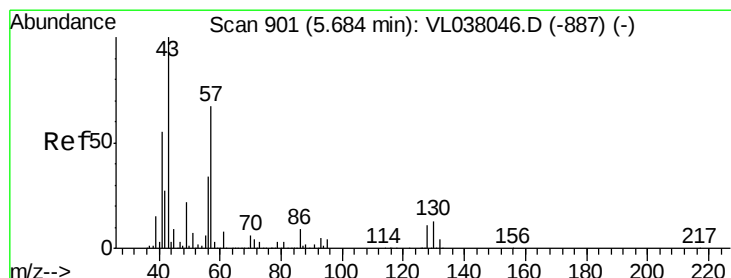
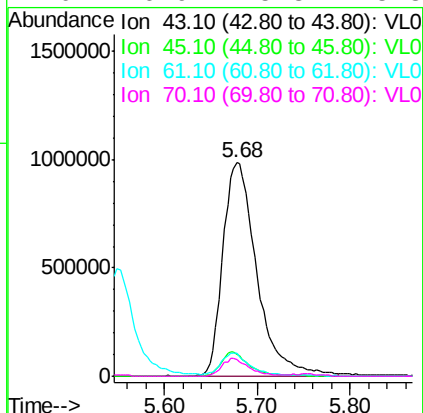




#25
Ethyl Acetate
Concen: 11.300 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Dec 2021 9:27

Tot Ion: 43 Resp: 2503375

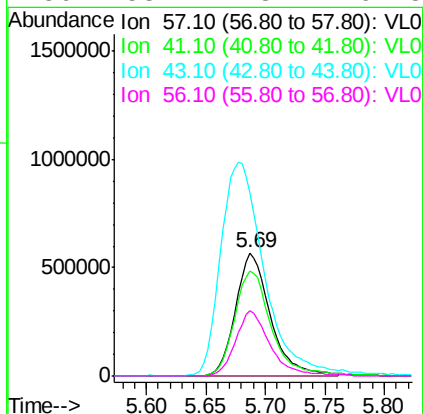
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.7	7.8	11.6
70	6.9	5.8	8.8

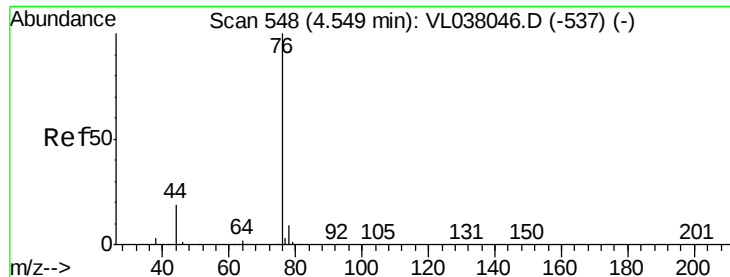


#26
Hexane
Concen: 10.820 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 57 Resp: 1155309

Ion	Ratio	Lower	Upper
57	100		
41	90.9	71.4	107.2
43	219.3	174.6	261.8
56	53.1	43.2	64.8

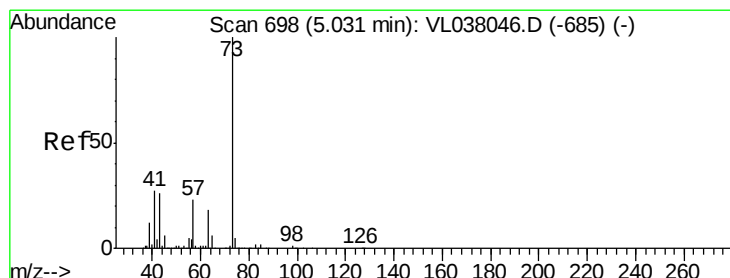
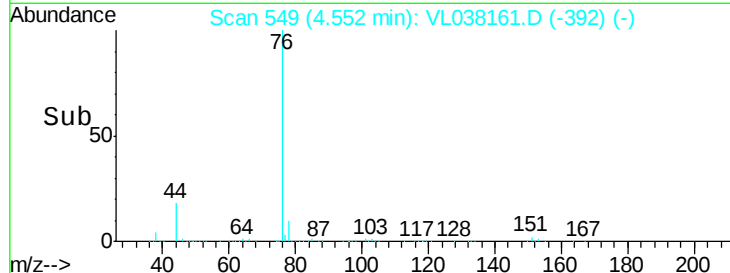
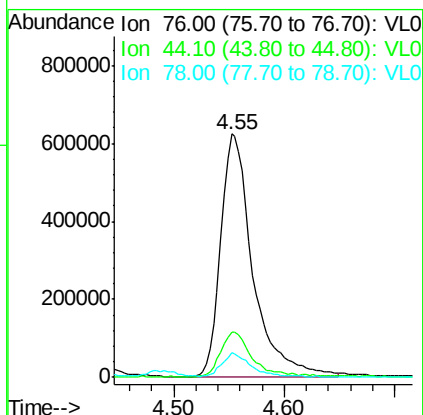
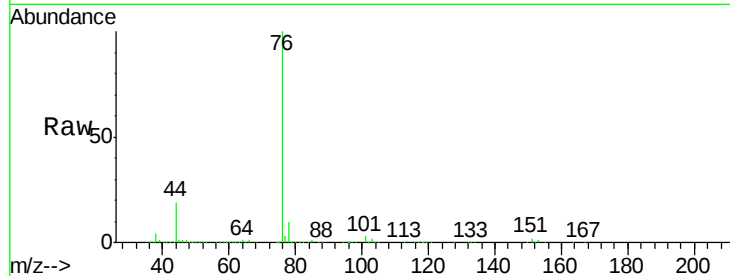




#27
Carbon Disulfide
Concen: 13.177 ppbv
RT: 4.55
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27

Tot Ion: 76 Resp: 1260432

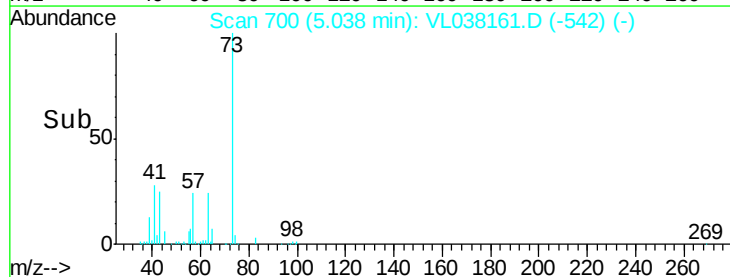
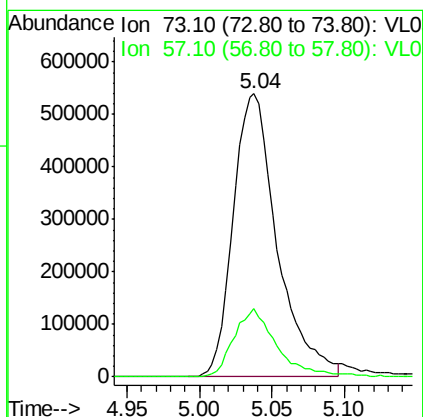
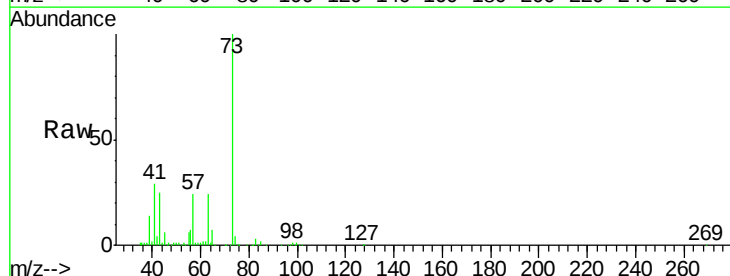
Ion	Ratio	Lower	Upper
76	100		
44	19.1	14.9	22.3
78	9.7	7.6	11.4

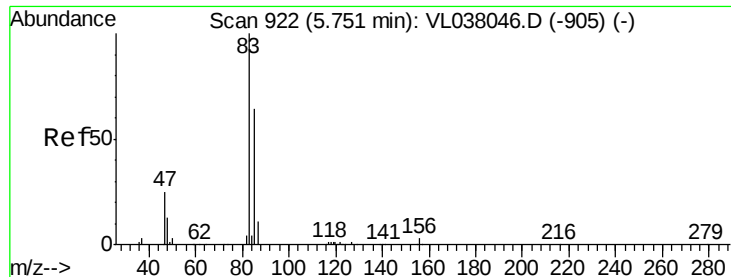


#28
Methyl tert-Butyl Ether
Concen: 12.553 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.01 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 73 Resp: 1138581

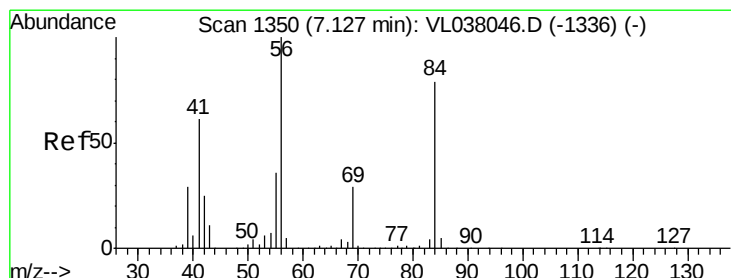
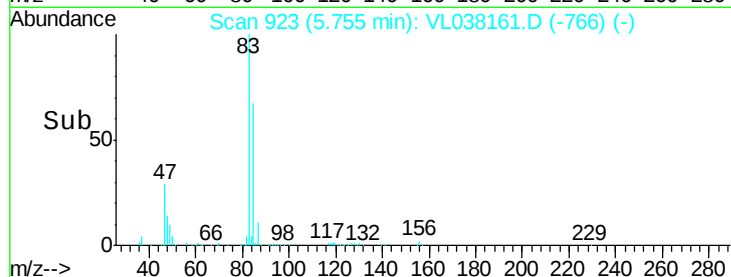
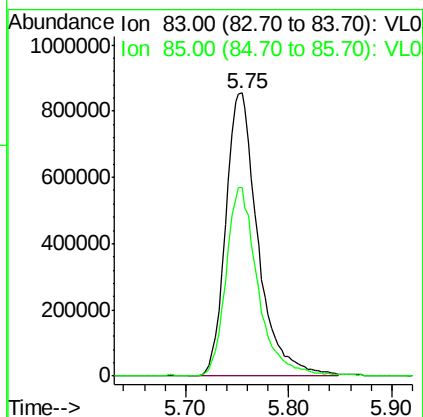
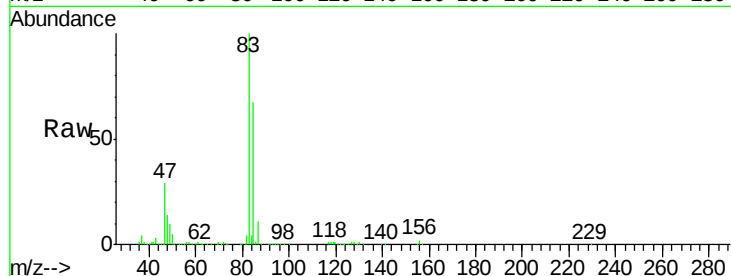
Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.0	28.4





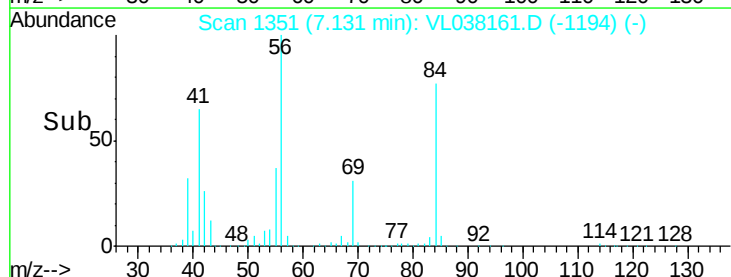
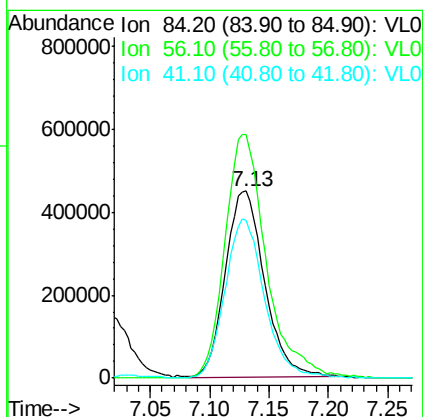
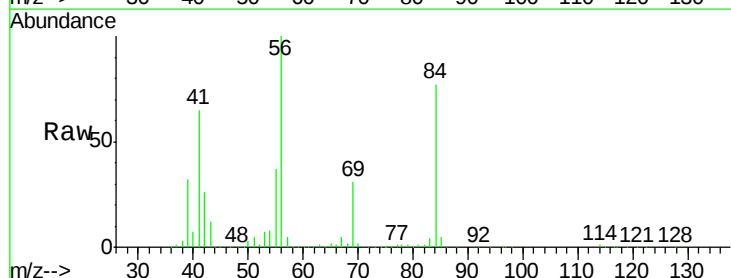
#29
Chloroform
Concen: 11.810 ppbv
RT: 5.75 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27

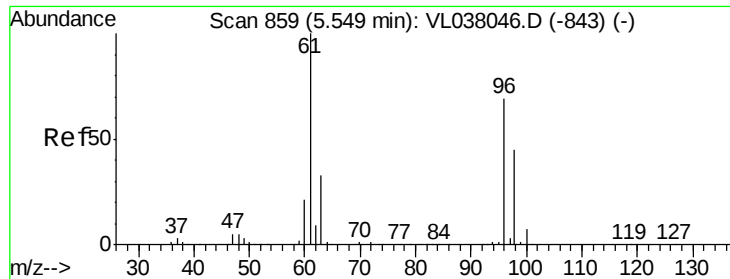
Tot Ion: 83 Resp: 1858629
Ion Ratio Lower Upper
83 100
85 66.5 51.0 76.6



#30
Cyclohexane
Concen: 10.593 ppbv
RT: 7.13 min Scan# 1351
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 84 Resp: 1026922
Ion Ratio Lower Upper
84 100
56 138.5 108.1 162.1
41 86.7 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 10.173 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Dec 2021 9:27

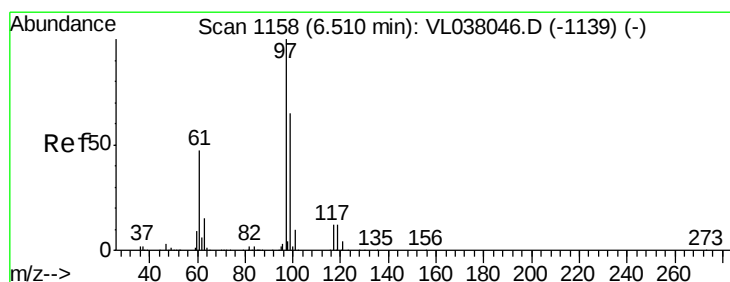
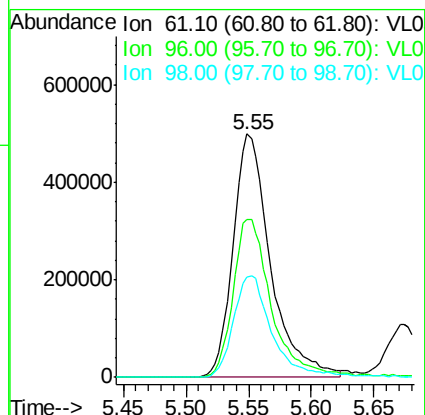
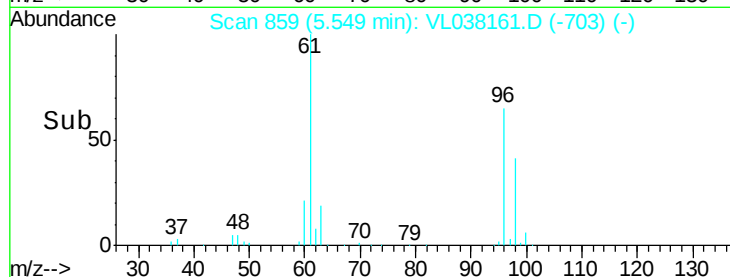
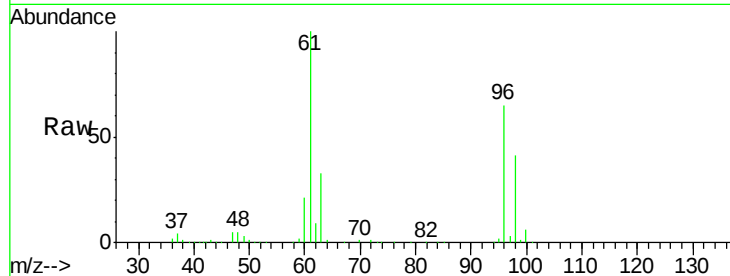
Tot Ion: 61 Resp: 1033349

Ion Ratio Lower Upper

61 100

96 64.7 55.4 83.2

98 41.0 35.7 53.5



#32

1,1,1-Trichloroethane

Concen: 11.615 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

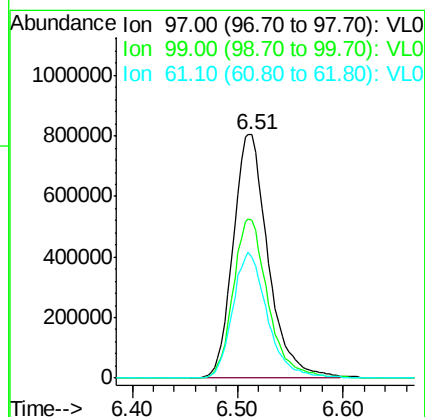
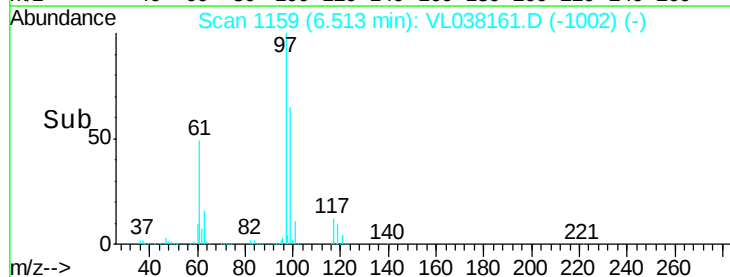
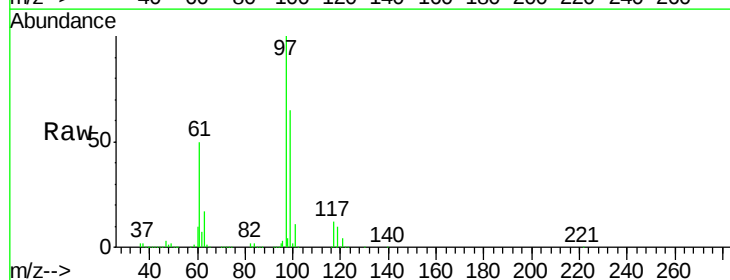
Tgt Ion: 97 Resp: 1855062

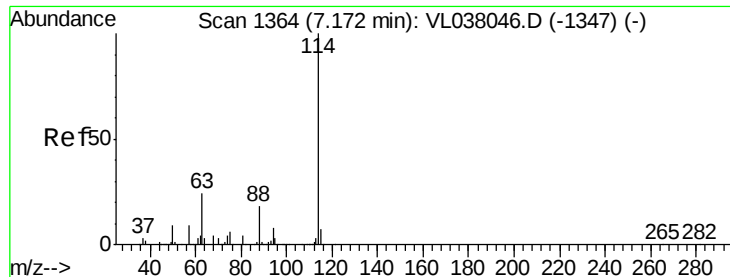
Ion Ratio Lower Upper

97 100

99 65.1 52.2 78.4

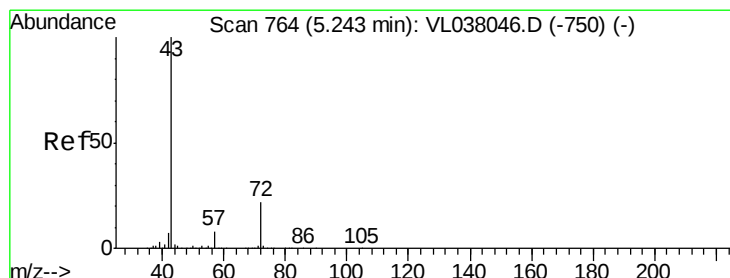
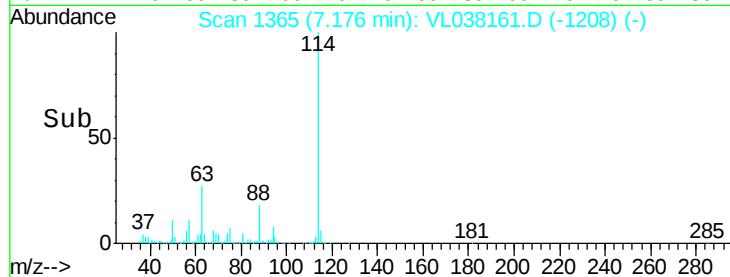
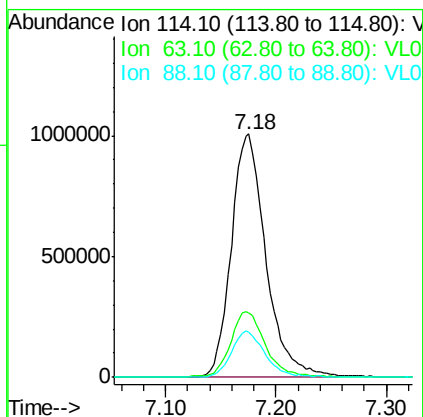
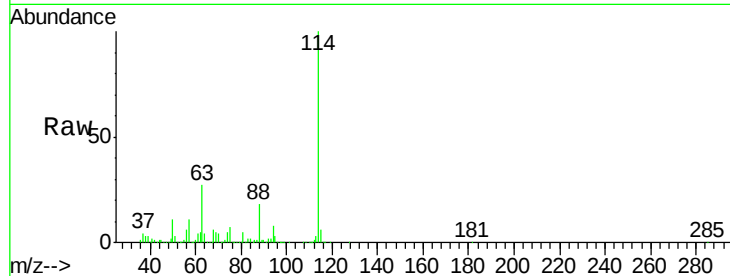
61 51.2 37.7 56.5





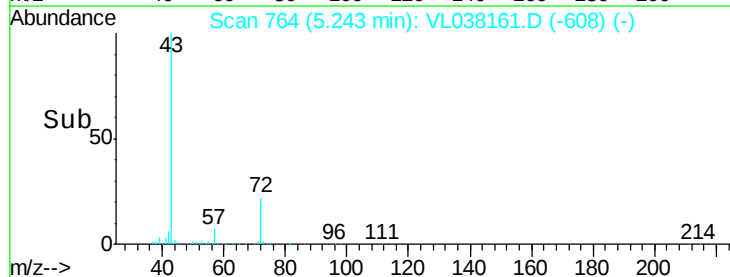
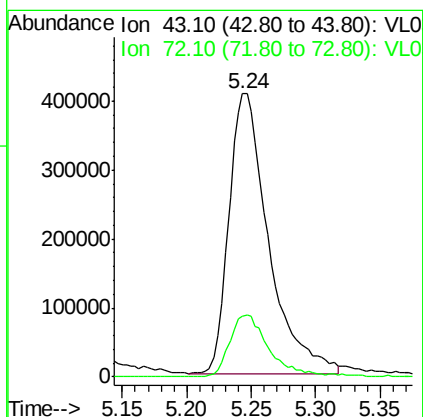
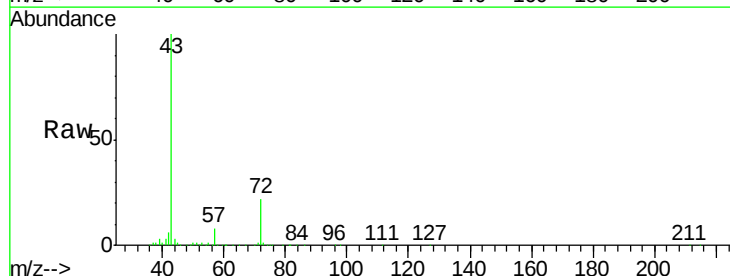
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

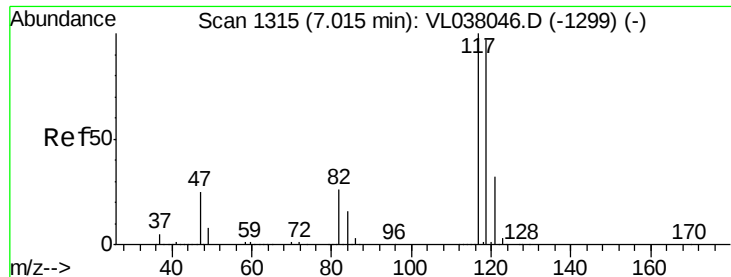
Tot Ion:114 Resp: 2188585
 Ion Ratio Lower Upper
 114 100
 63 27.6 19.7 29.5
 88 18.9 14.4 21.6



#34
 2-Butanone
 Concen: 9.793 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T.: 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

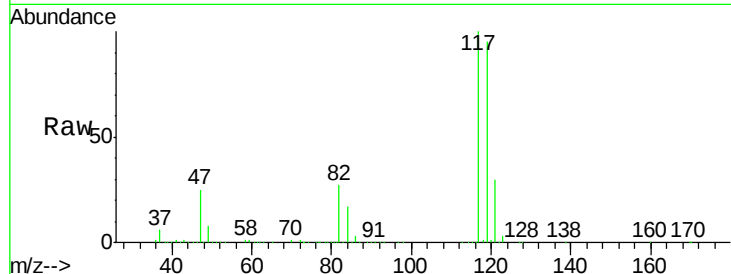
Tgt Ion: 43 Resp: 864257
 Ion Ratio Lower Upper
 43 100
 72 22.7 18.8 28.2



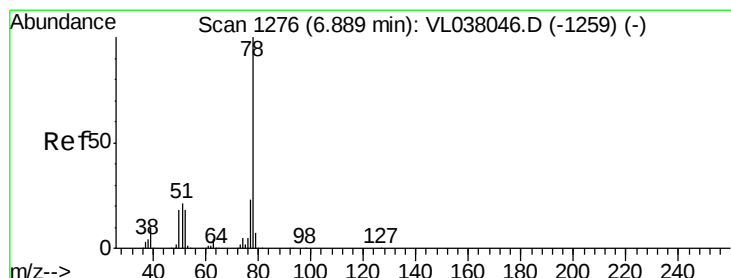
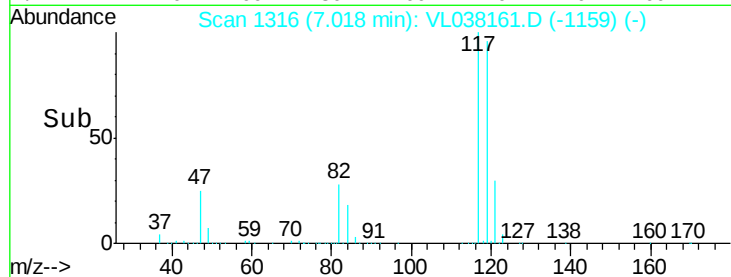
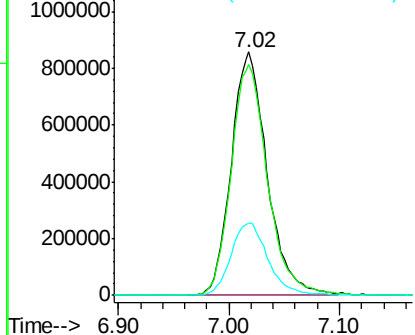


#35
 Carbon Tetrachloride
 Concen: 12.554 ppbv
 RT: 7.02
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

Tot Ion: 117 Resp: 1930425
 Ion Ratio Lower Upper
 117 100
 119 94.7 77.7 116.5
 121 29.9 25.6 38.4

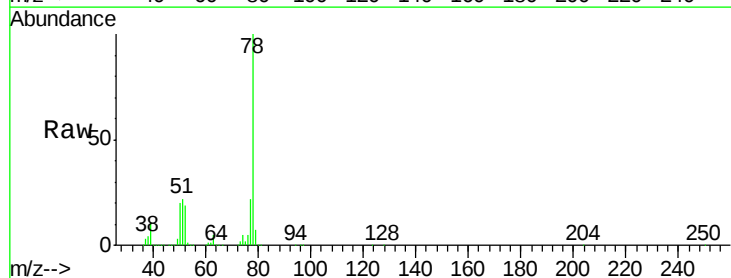


Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

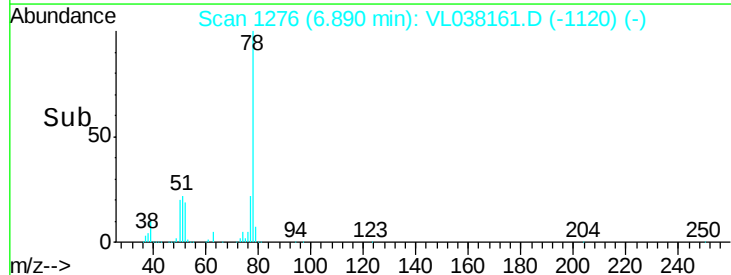
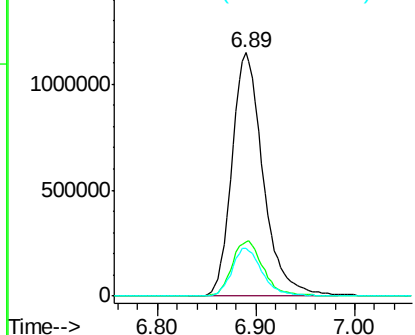


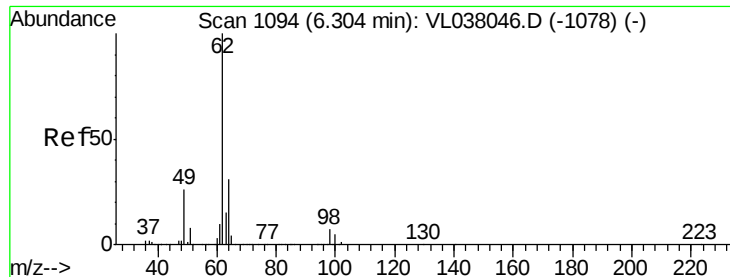
#36
 Benzene
 Concen: 11.584 ppbv
 RT: 6.89 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion: 78 Resp: 2528957
 Ion Ratio Lower Upper
 78 100
 77 22.3 18.2 27.4
 50 19.7 14.7 22.1



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: 14.199 ppbv

RT: 6.31 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

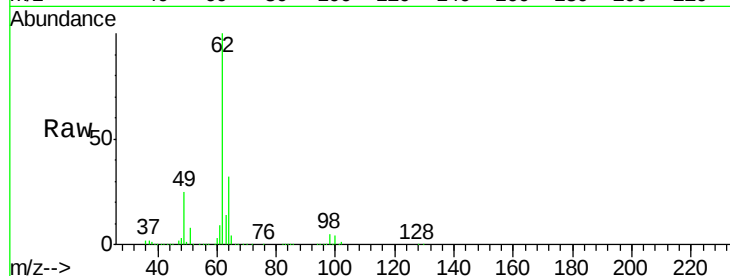
Acq: 8 Dec 2021 9:27

Tot Ion: 62 Resp: 1497098

Ion Ratio Lower Upper

62 100

98 5.9 5.8 8.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.31

800000

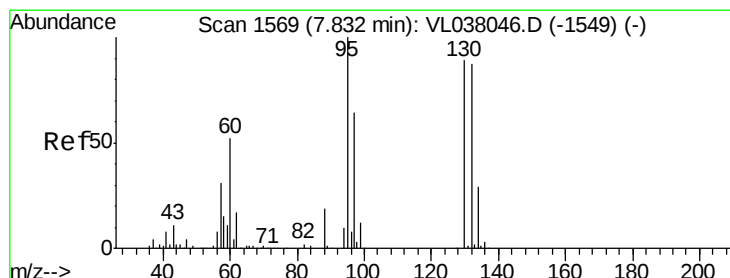
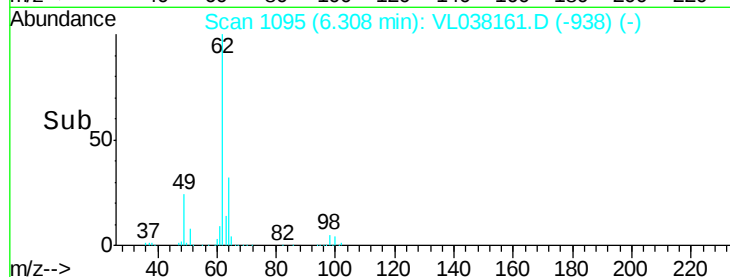
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.741 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

Tgt Ion:130 Resp: 884499

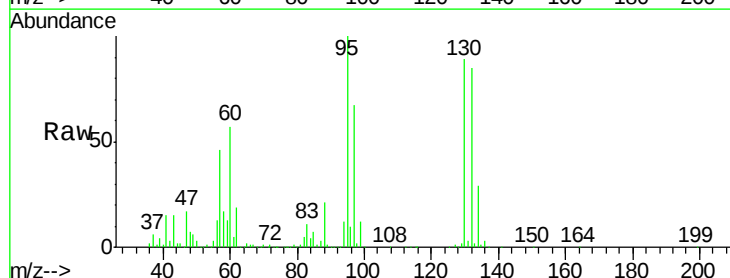
Ion Ratio Lower Upper

130 100

95 113.1 89.4 134.2

132 95.8 78.2 117.2

97 76.0 57.0 85.4



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

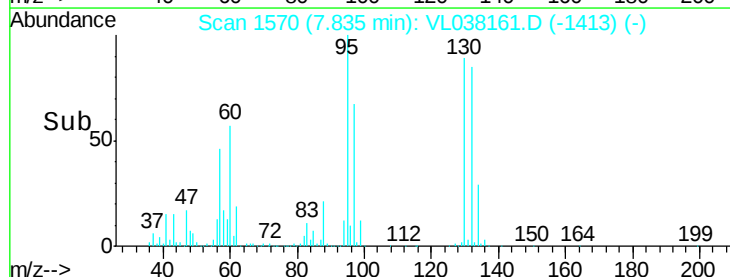
600000

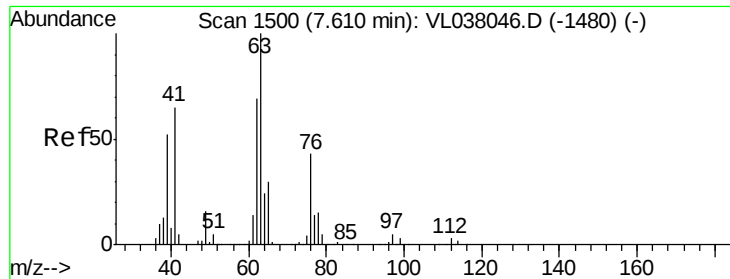
400000

200000

0

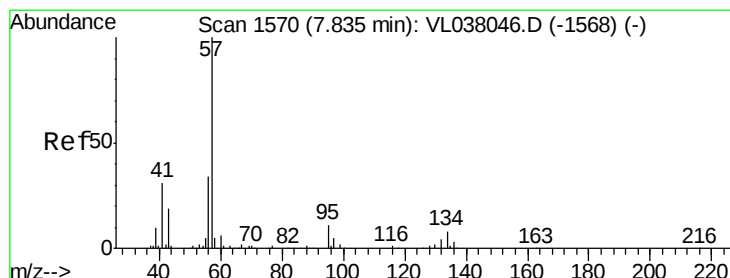
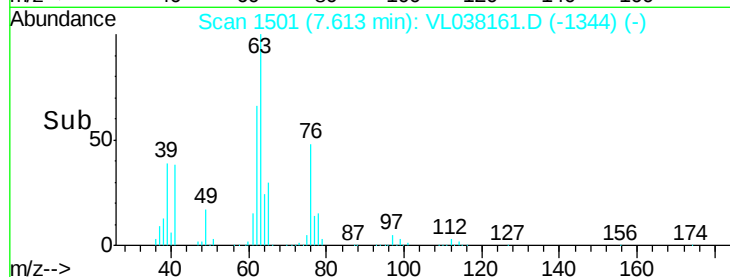
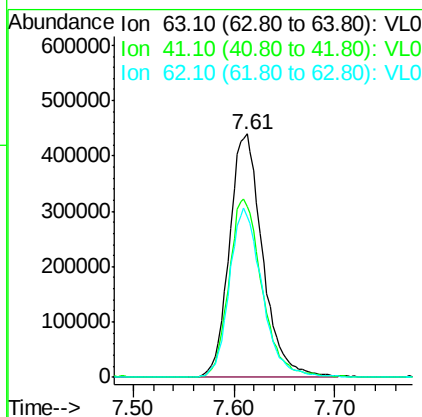
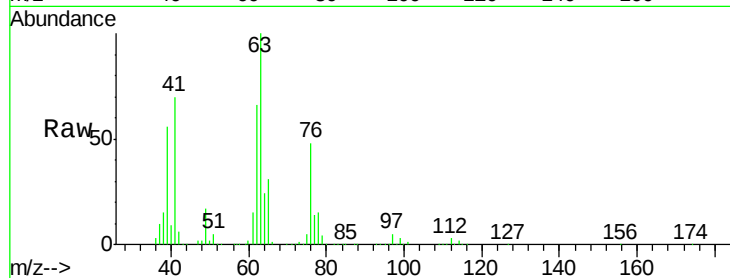
Time-->





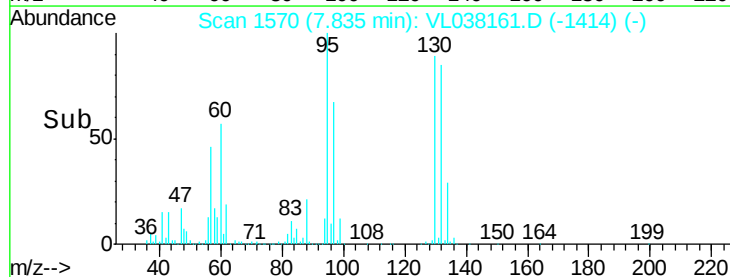
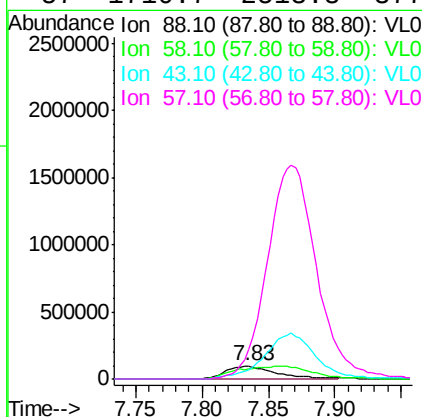
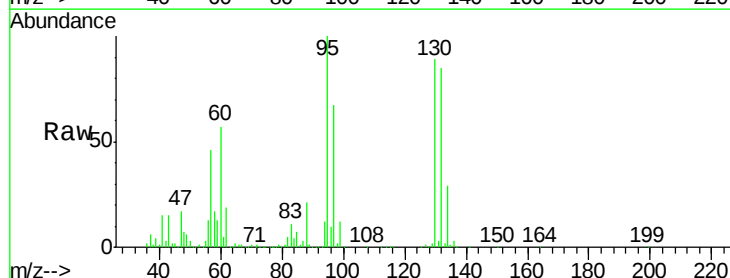
#39
 1,2-Dichloropropane
 Concen: 12.048 ppbv
 RT: 7.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Dec 2021 9:27

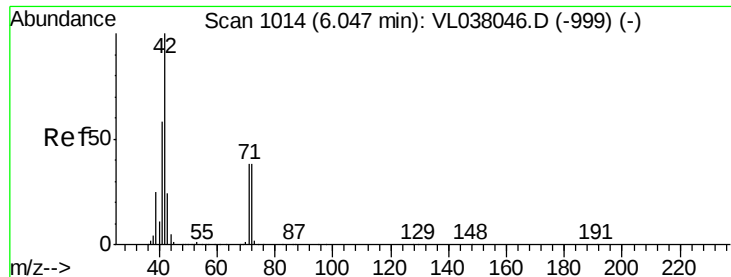
Tot Ion: 63 Resp: 1008938
 Ion Ratio Lower Upper
 63 100
 41 70.2 52.3 78.5
 62 65.6 55.1 82.7



#40
 1,4-Dioxane
 Concen: 11.141 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

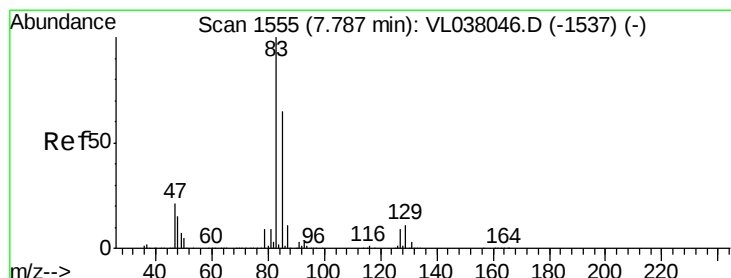
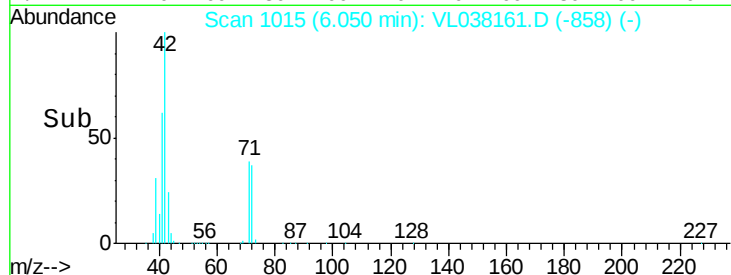
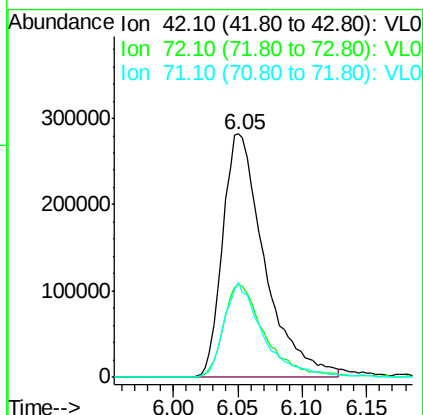
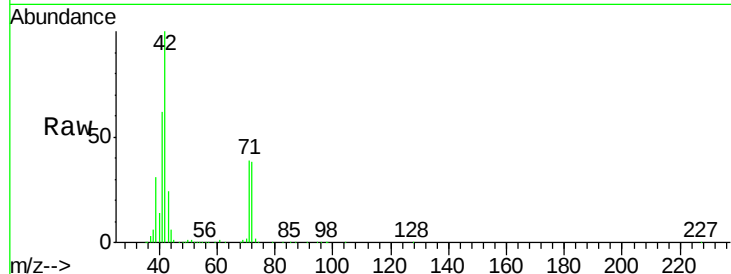
Tgt Ion: 88 Resp: 243076
 Ion Ratio Lower Upper
 88 100
 58 157.5 229.2 343.8#
 43 384.5 553.3 829.9#
 57 1710.7 2513.8 3770.8#





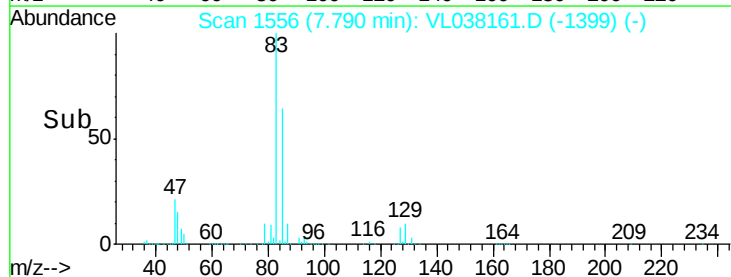
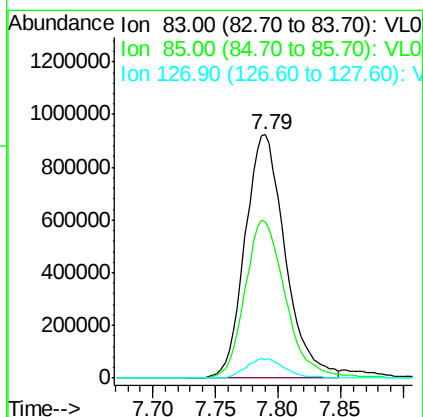
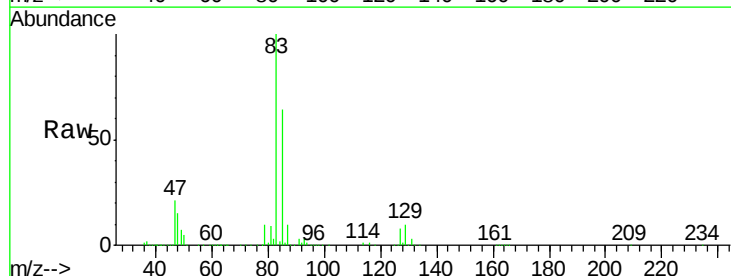
#41
Tetrahydrofuran
Concen: 11.677 ppbv
RT: 6.05
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27

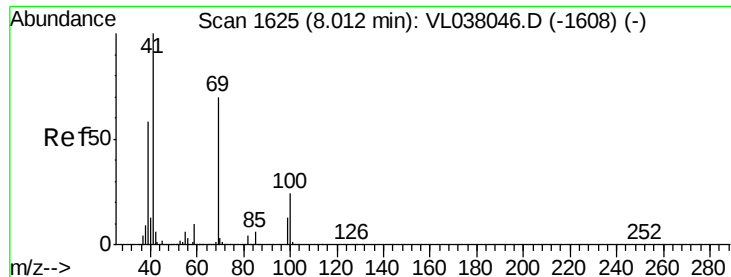
Tot Ion: 42 Resp: 639670
Ion Ratio Lower Upper
42 100
72 38.5 31.7 47.5
71 36.5 30.6 46.0



#42
Bromodichloromethane
Concen: 12.864 ppbv
RT: 7.79 min Scan# 1556
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 83 Resp: 2062113
Ion Ratio Lower Upper
83 100
85 64.5 51.9 77.9
127 7.8 6.8 10.2





#43

Methyl Methacrylate

Concen: 12.518 ppbv

RT: 8.01

Instrument: MSVOA_1

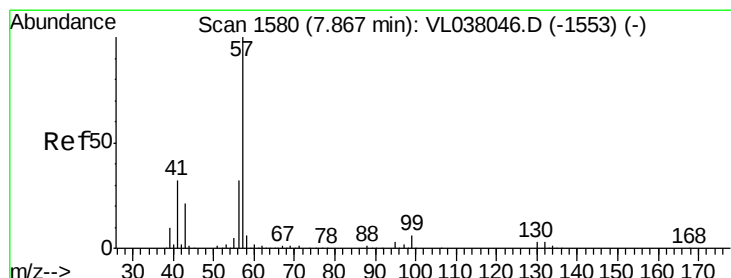
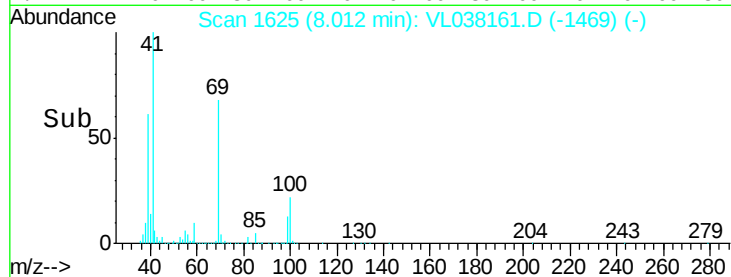
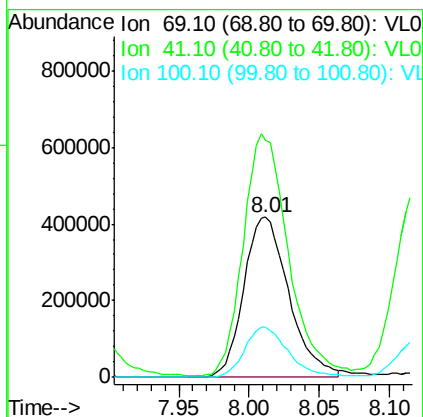
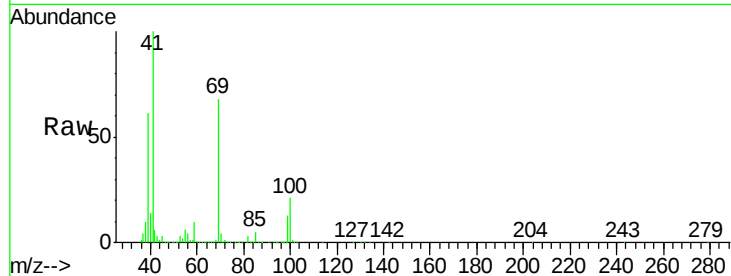
Delta R.T.:

Lab File: ClientSampleId:

Acq: 8 Dec 2021 9:27

Tot Ion: 69 Resp: 934966

Ion	Ratio	Lower	Upper
69	100		
41	153.1	116.7	175.1
100	30.8	27.3	40.9



#44

2,2,4-Trimethylpentane

Concen: 11.387 ppbv

RT: 7.87 min Scan# 1580

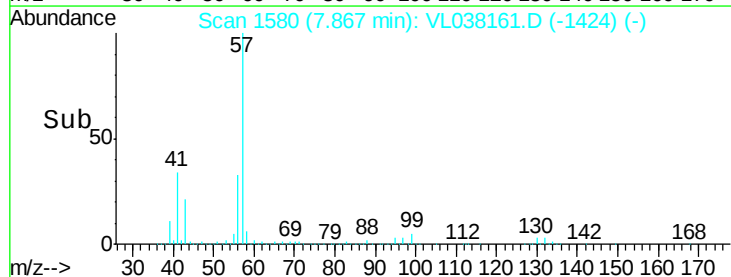
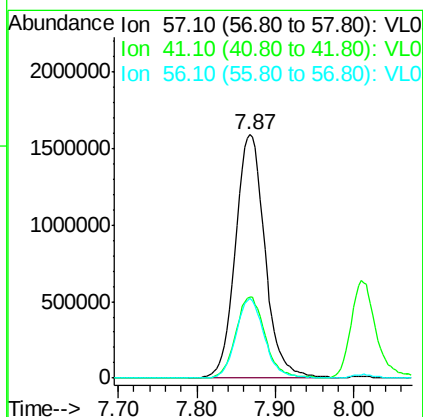
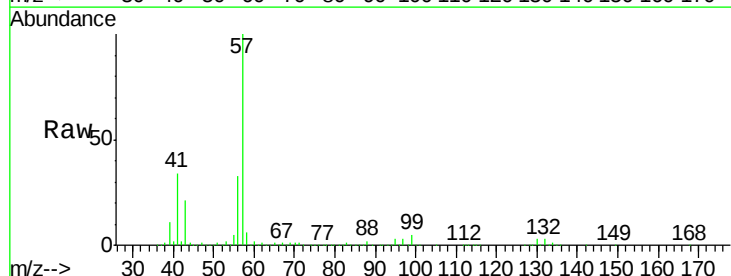
Delta R.T. 0.00 min

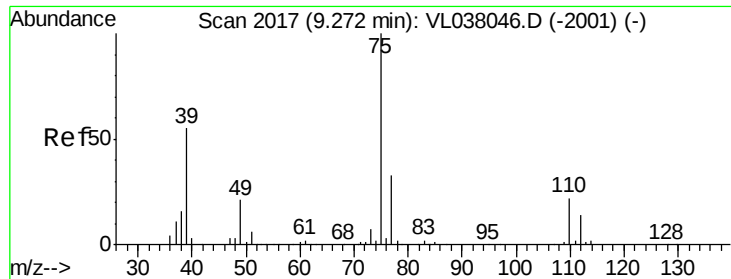
Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

Tgt Ion: 57 Resp: 4159043

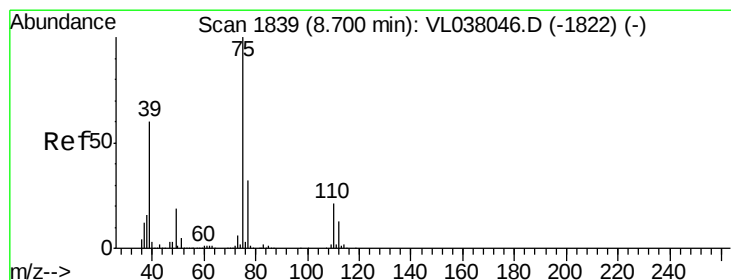
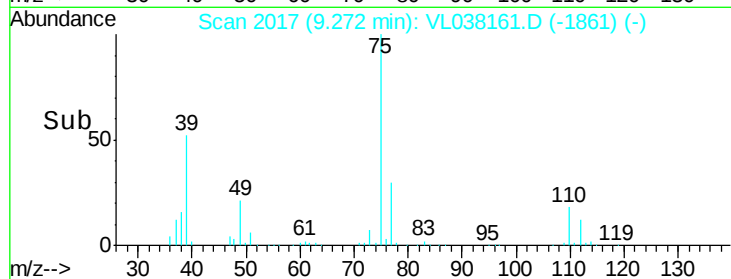
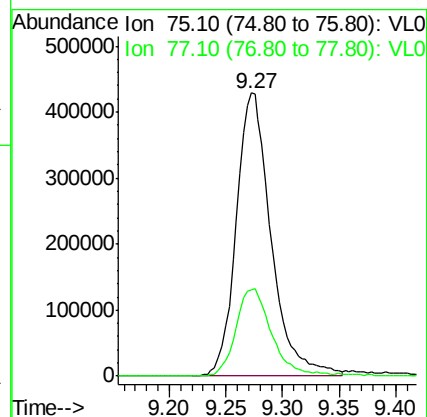
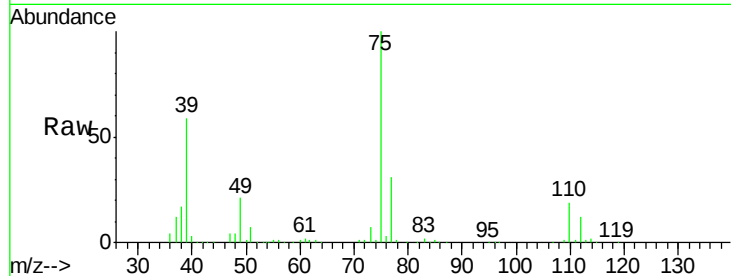
Ion	Ratio	Lower	Upper
57	100		
41	33.3	25.8	38.6
56	31.4	25.6	38.4





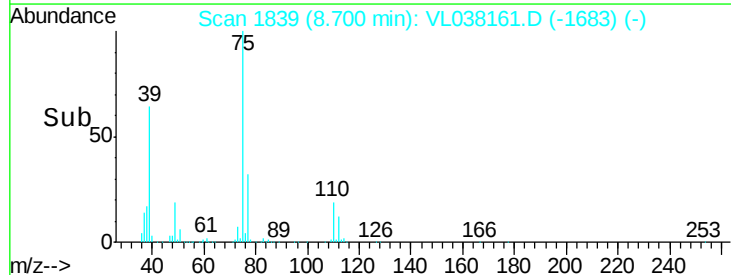
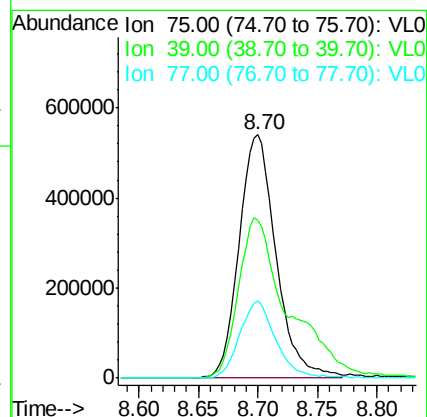
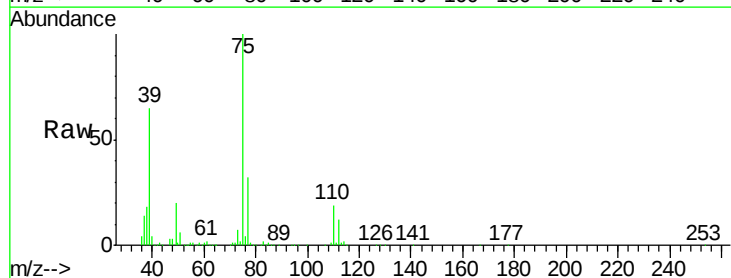
#45
 t-1,3-Dichloropropene
 Concen: 15.378 ppbv
 RT: 9.27
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Dec 2021 9:27

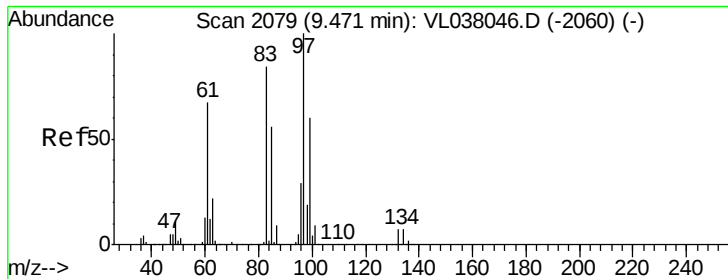
Tot Ion: 75 Resp: 921322
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.2 39.4



#46
 cis-1,3-Dichloropropene
 Concen: 14.337 ppbv
 RT: 8.70 min Scan# 1839
 Delta R.T. 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion: 75 Resp: 1161798
 Ion Ratio Lower Upper
 75 100
 39 64.9 47.8 71.8
 77 31.9 25.5 38.3

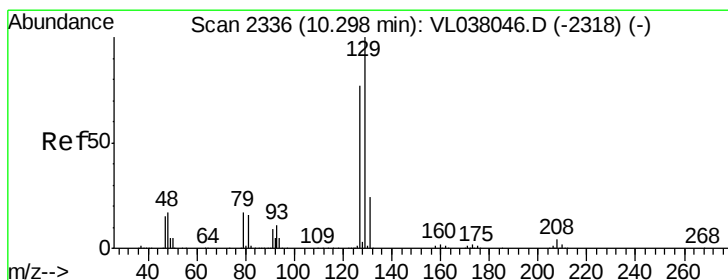
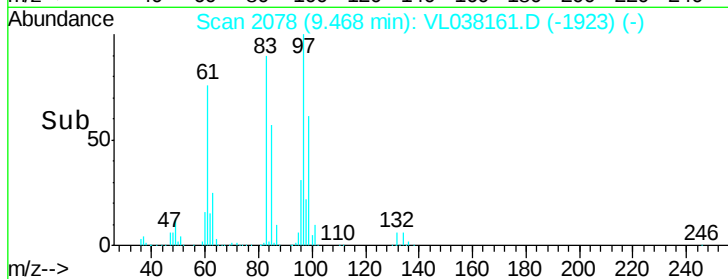
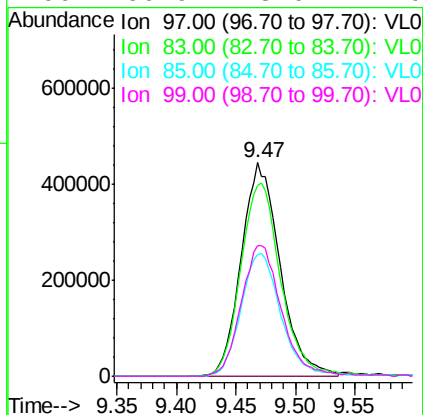
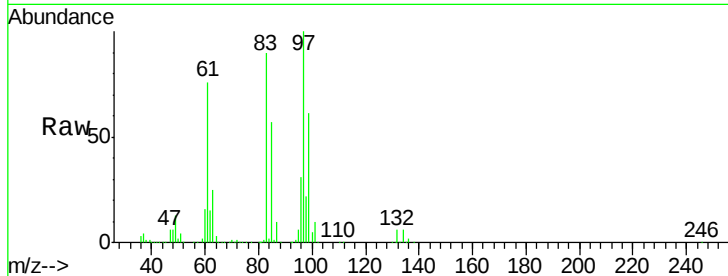




#47
 1,1,2-Trichloroethane
 Concen: 11.435 ppbv
 RT: 9.47 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

Tot Ion: 97 Resp: 1002905

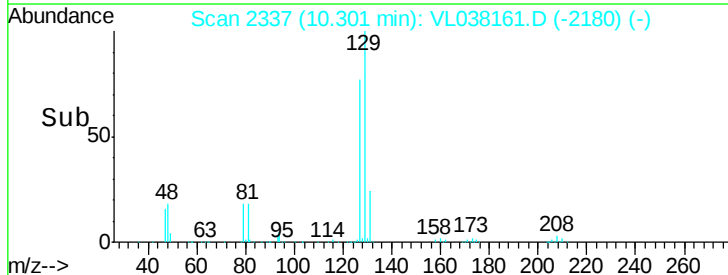
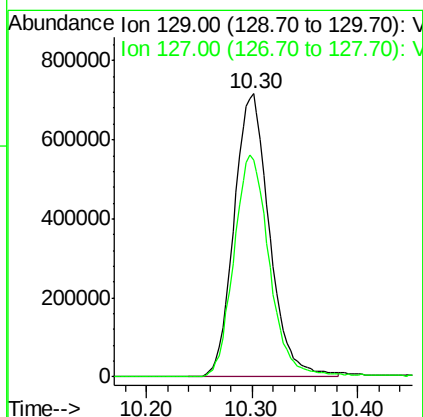
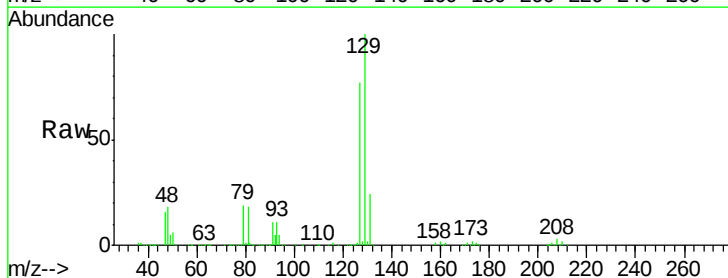
Ion	Ratio	Lower	Upper
97	100		
83	89.6	66.8	100.2
85	56.9	44.9	67.3
99	60.9	48.0	72.0

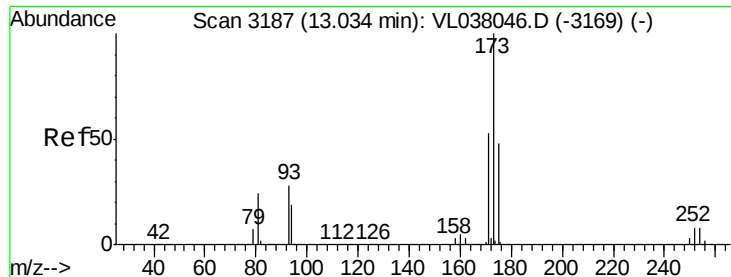


#48
 Dibromochloromethane
 Concen: 12.490 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T.: 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion: 129 Resp: 1668271

Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.4	118.1





#49

Bromoform

Concen: 12.821 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

Acq: 8 Dec 2021 9:27

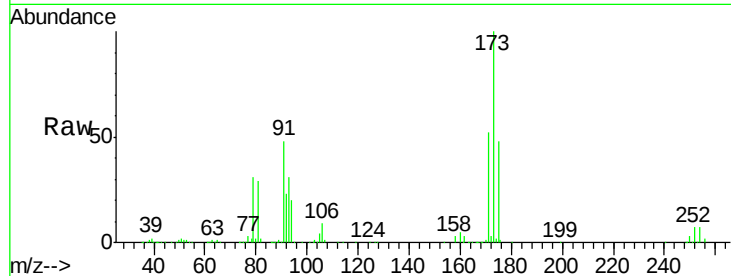
Tot Ion:173 Resp: 1225171

Ion Ratio Lower Upper

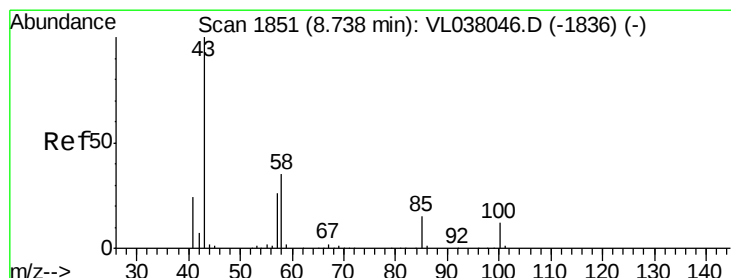
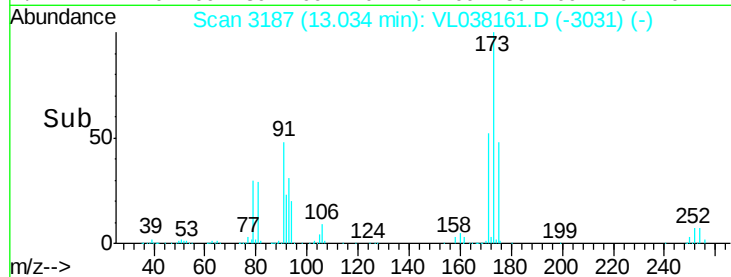
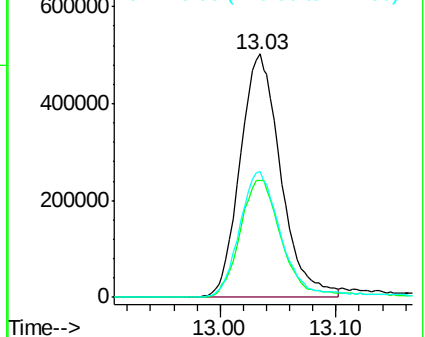
173 100

175 51.2 42.5 63.7

171 55.1 44.0 66.0



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: 12.753 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VL038161.D

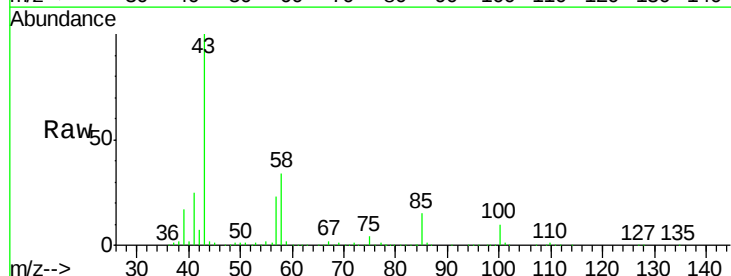
Acq: 8 Dec 2021 9:27

Tgt Ion: 43 Resp: 1709138

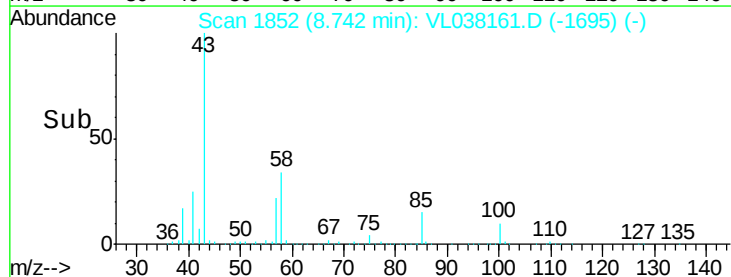
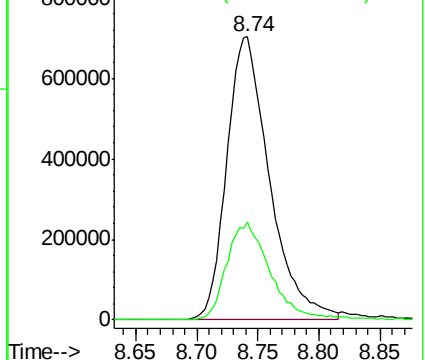
Ion Ratio Lower Upper

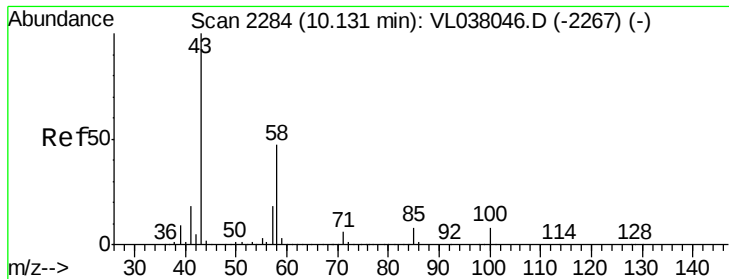
43 100

58 35.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 13.097 ppbv

RT: 10.14

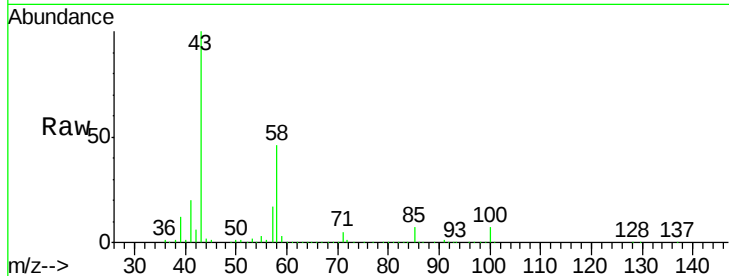
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Dec 2021 9:27

Tot Ion: 43 Resp: 825836

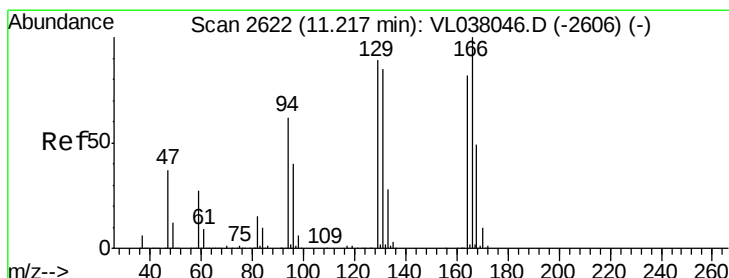
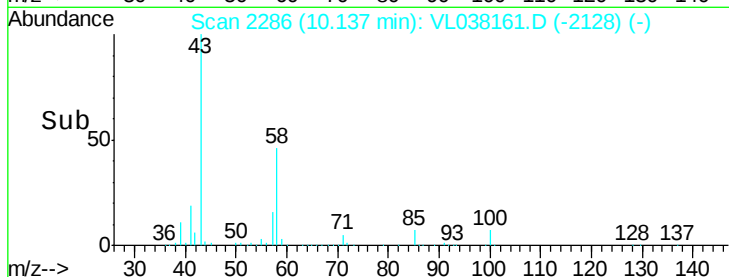
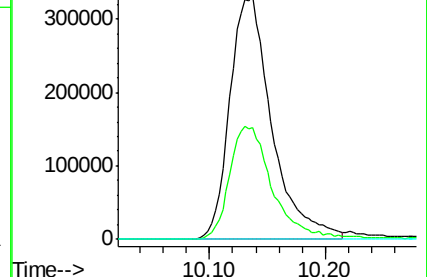
Ion	Ratio	Lower	Upper
43	100		
58	48.6	41.1	61.7
98	0.2	0.1	0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.251 ppbv

RT: 11.22 min Scan# 2623

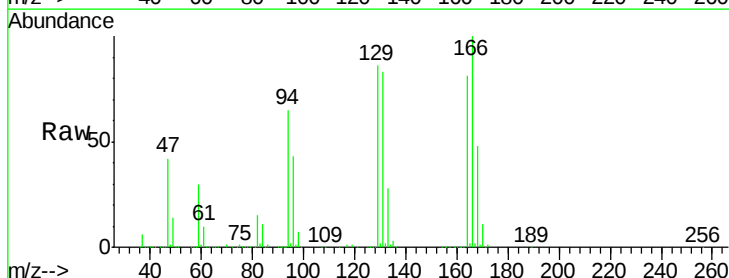
Delta R.T. 0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

Tgt Ion: 164 Resp: 828049

Ion	Ratio	Lower	Upper
164	100		
166	122.9	97.2	145.8
129	105.2	86.9	130.3
131	101.6	82.8	124.2

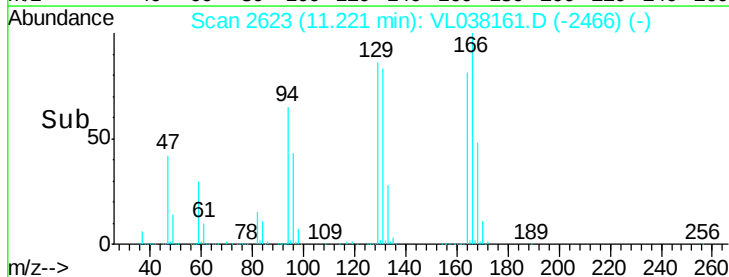
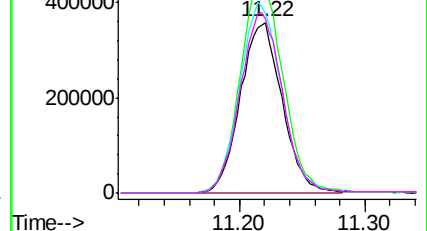


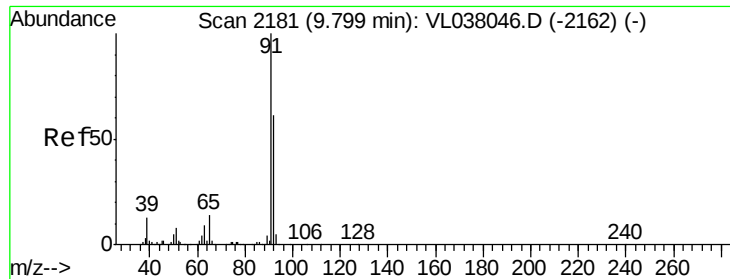
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.376 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

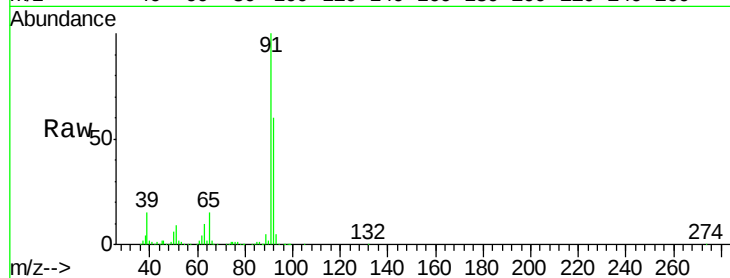
Acq: 8 Dec 2021 9:27

Tot Ion: 91 Resp: 2857646

Ion Ratio Lower Upper

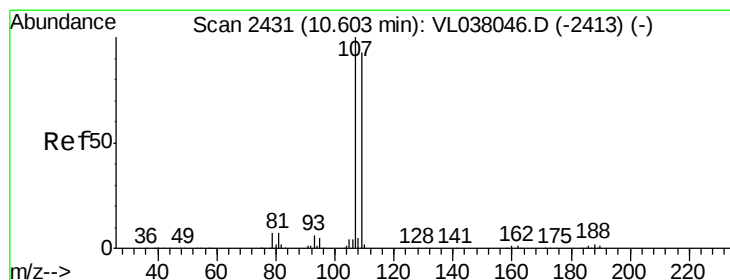
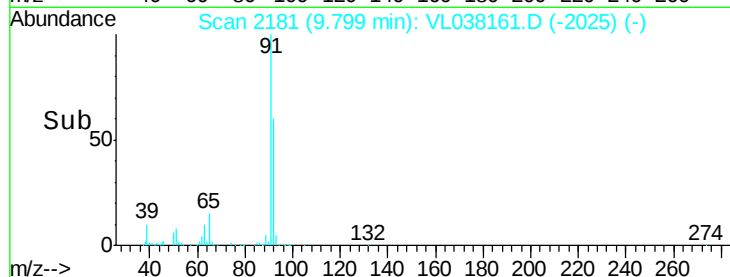
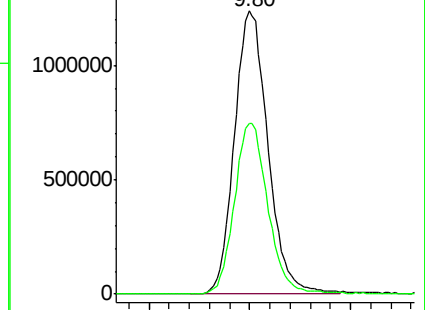
91 100

92 60.7 49.7 74.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.999 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VL038161.D

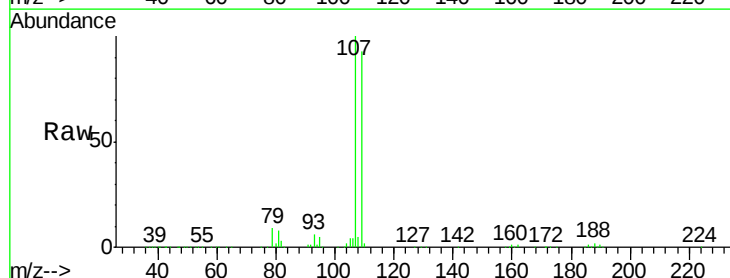
Acq: 8 Dec 2021 9:27

Tgt Ion: 107 Resp: 1486592

Ion Ratio Lower Upper

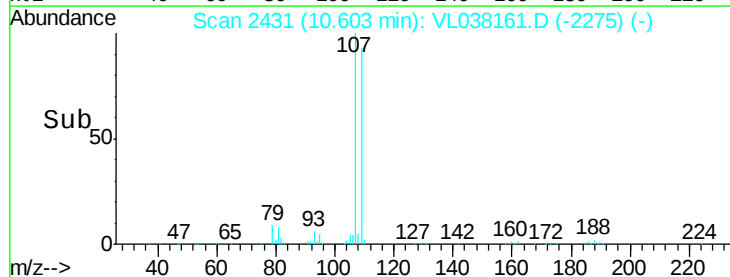
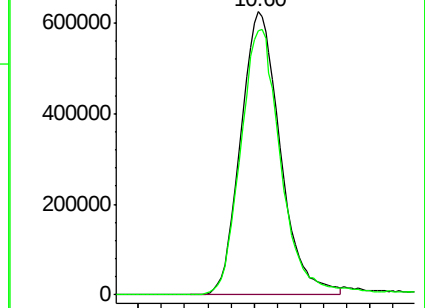
107 100

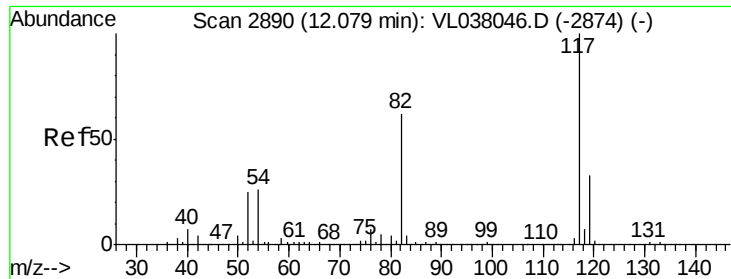
109 93.3 74.6 111.8



Abundance Ion 107.00 (106.70 to 107.70): V

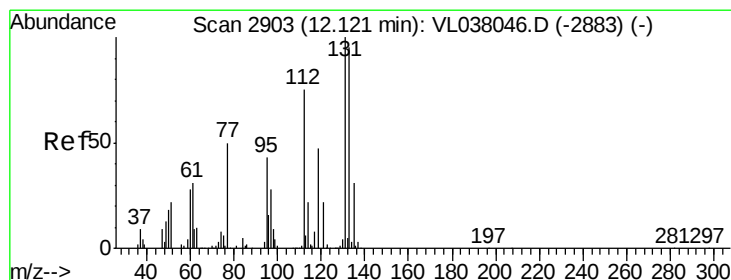
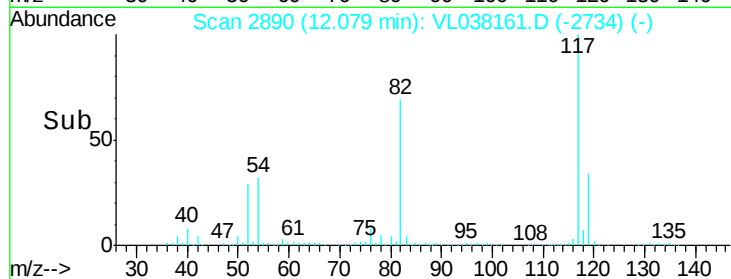
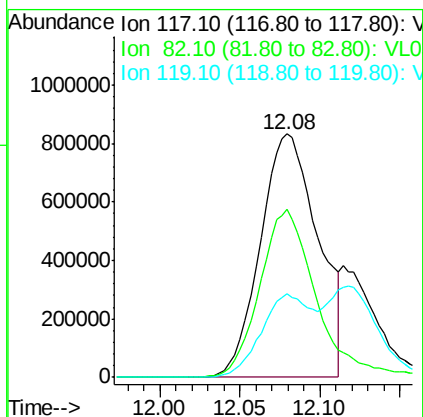
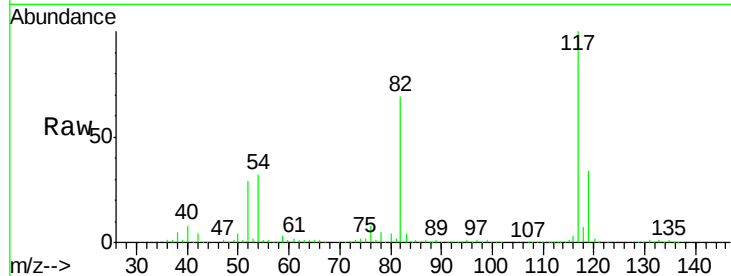
Ion 109.00 (108.70 to 109.70): V





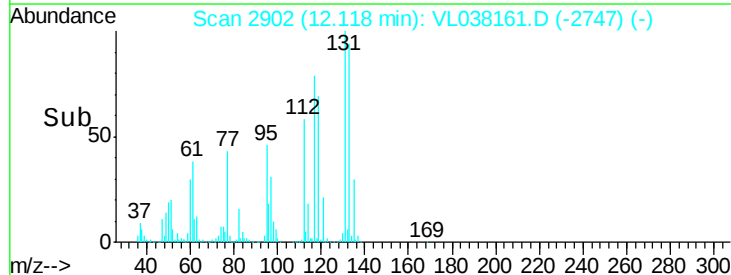
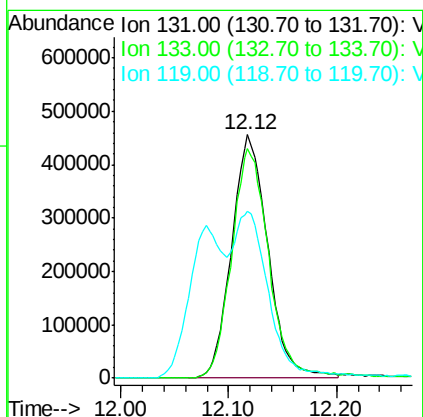
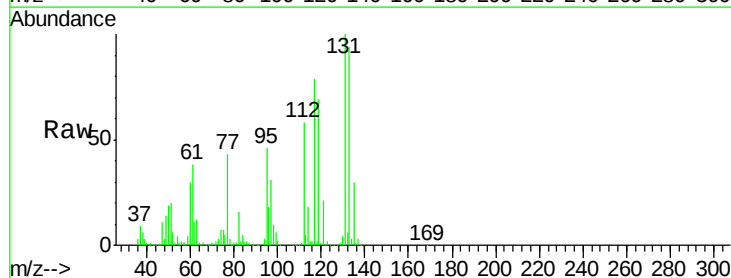
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

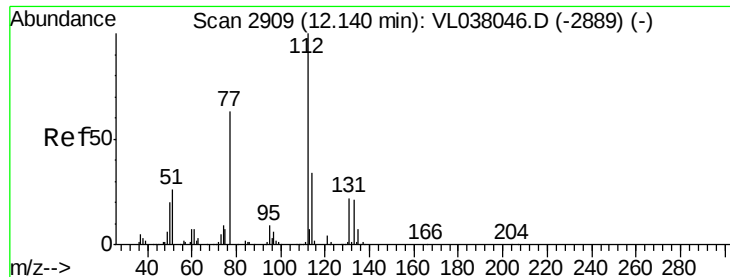
Tot Ion:117 Resp: 2089606
 Ion Ratio Lower Upper
 117 100
 82 69.1 52.8 79.2
 119 28.0 26.8 40.2



#56
 1,1,1,2-Tetrachloroethane
 Concen: 11.254 ppbv
 RT: 12.12 min Scan# 2902
 Delta R.T.: -0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion:131 Resp: 1067559
 Ion Ratio Lower Upper
 131 100
 133 99.1 78.8 118.2
 119 66.2 56.3 84.5





#57

Chlorobenzene

Concen: 10.607 ppbv

RT: 12.14 min

Delta R.T. MSVOA_L

Lab File:

Acq: 8 Dec 2021 9:27

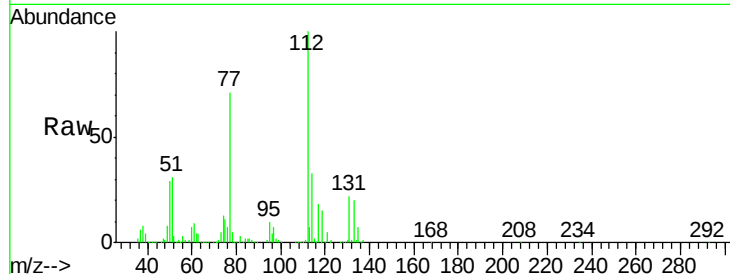
Tot Ion: 112 Resp: 1986485

Ion Ratio Lower Upper

112 100

77 70.1 50.3 75.5

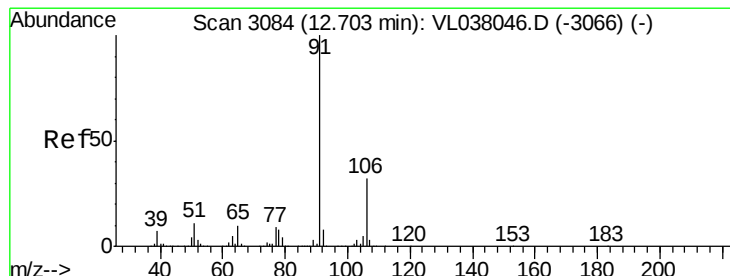
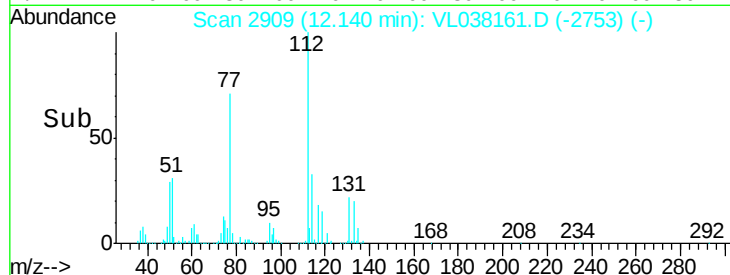
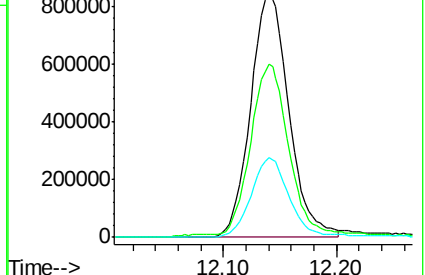
114 32.6 30.7 37.5



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: 10.935 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.00 min

Lab File: VL038161.D

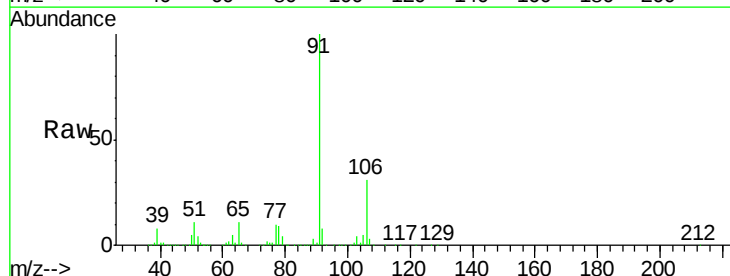
Acq: 8 Dec 2021 9:27

Tgt Ion: 91 Resp: 3776741

Ion Ratio Lower Upper

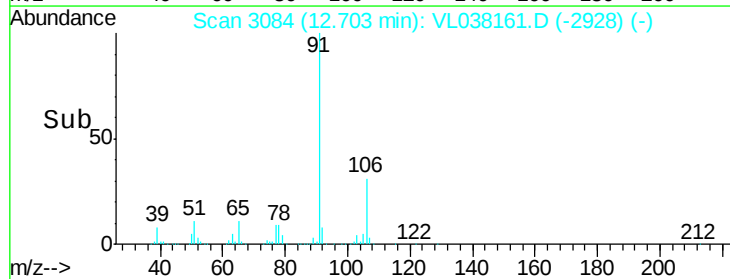
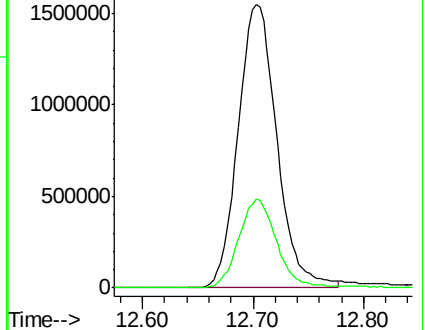
91 100

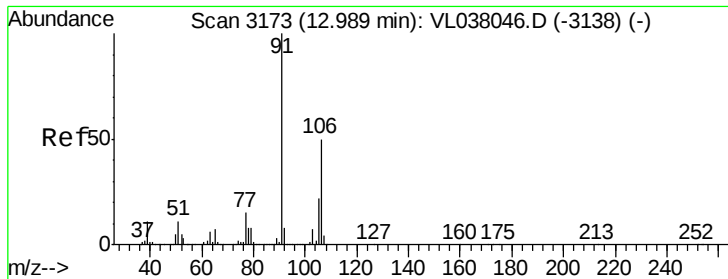
106 31.3 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

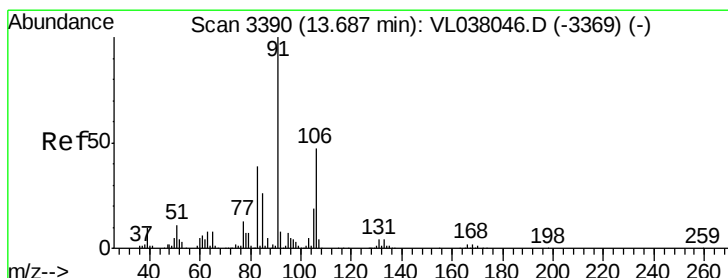
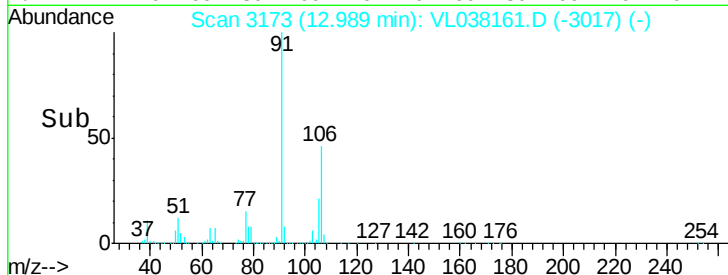
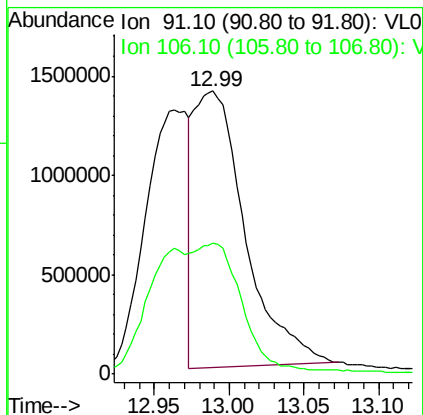
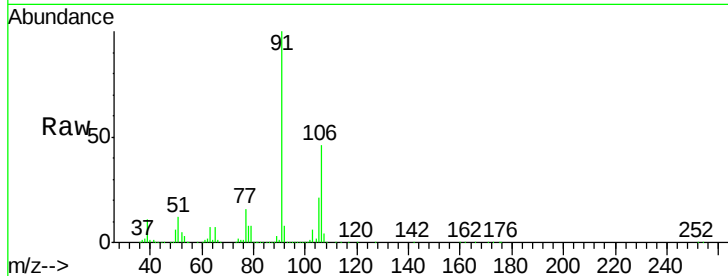
Ion 106.10 (105.80 to 106.80): V





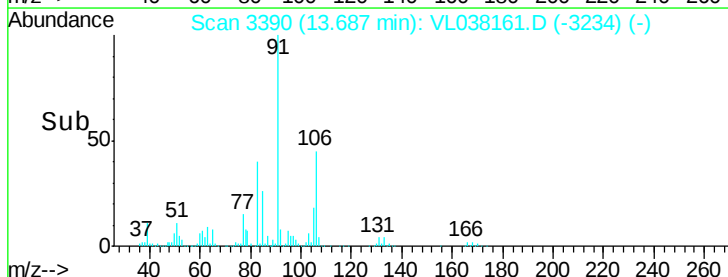
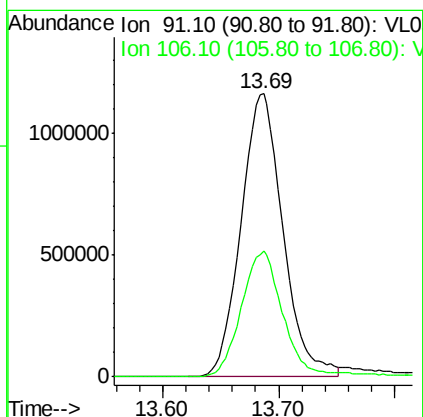
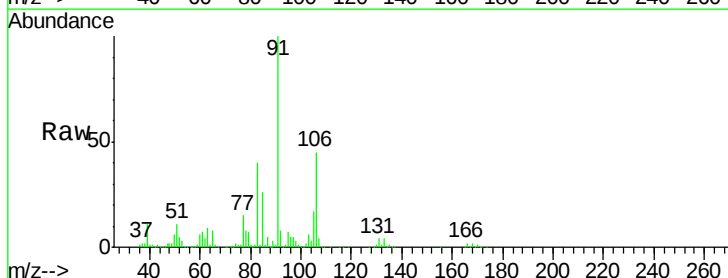
#59
m/p-Xylene
Concen: 11.354 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Dec 2021 9:27

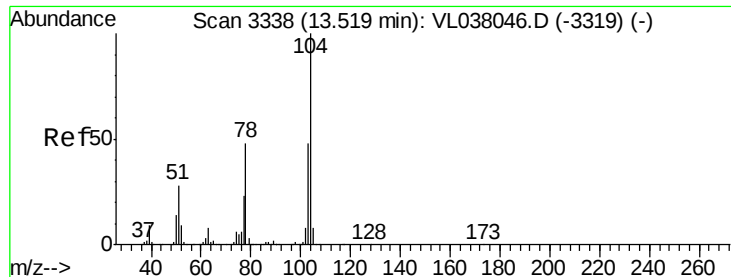
Tot Ion: 91 Resp: 3301063
Ion Ratio Lower Upper
91 100
106 84.7 38.1 57.1#



#60
o-Xylene
Concen: 10.824 ppbv
RT: 13.69 min Scan# 3390
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

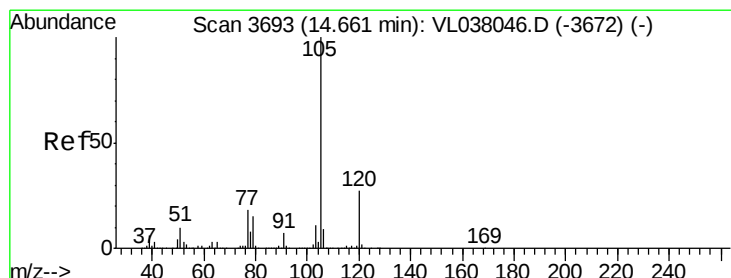
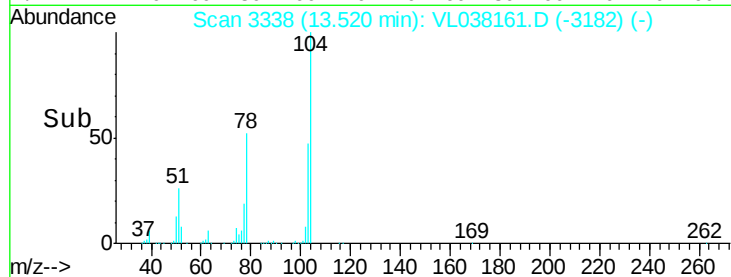
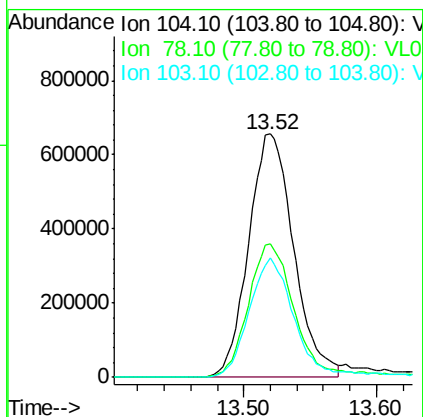
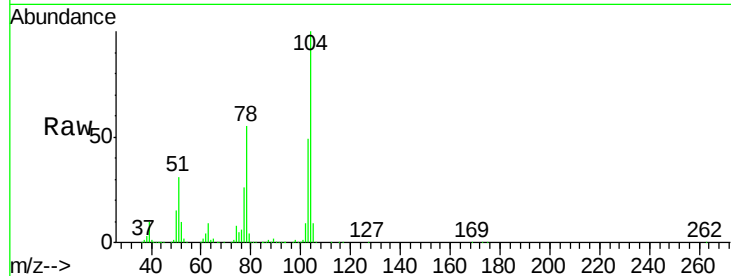
Tgt Ion: 91 Resp: 2919242
Ion Ratio Lower Upper
91 100
106 45.7 24.2 72.6





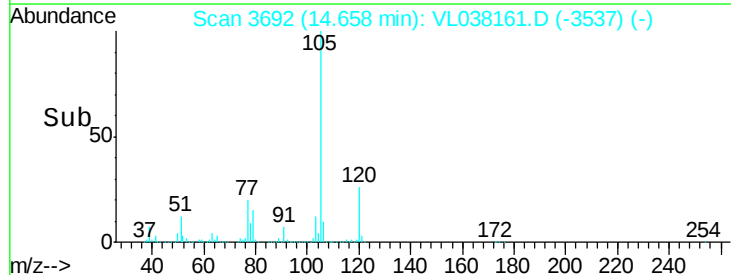
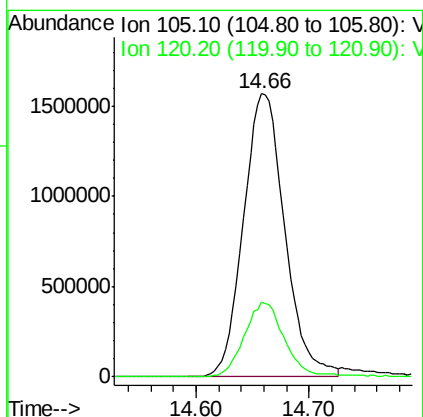
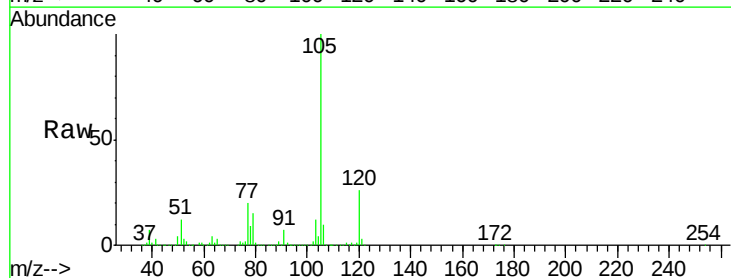
#61
Stvrene
Concen: 10.733 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27

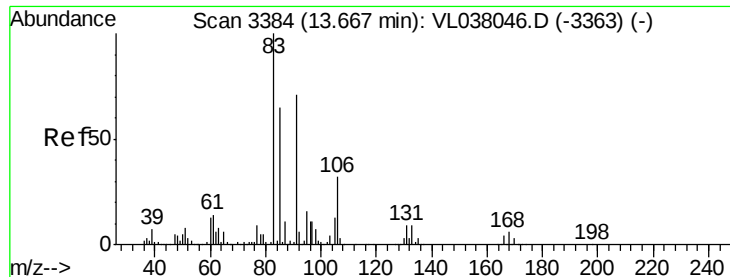
Tot Ion:104 Resp: 1551999
Ion Ratio Lower Upper
104 100
78 56.9 39.8 59.6
103 49.6 38.2 57.2



#62
Isopropylbenzene
Concen: 10.401 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion:105 Resp: 3981752
Ion Ratio Lower Upper
105 100
120 26.2 21.8 32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 10.717 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 9:27

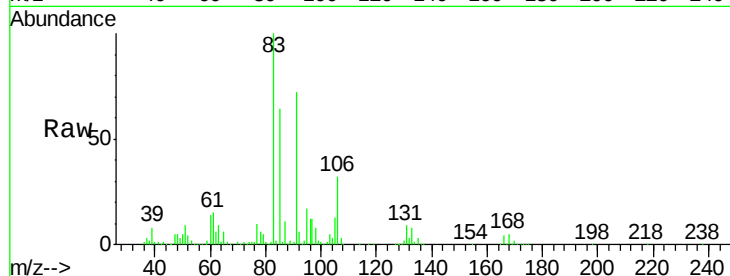
Tot Ion: 83 Resp: 2146932

Ion Ratio Lower Upper

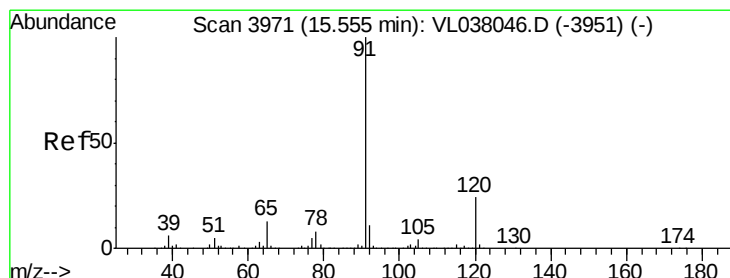
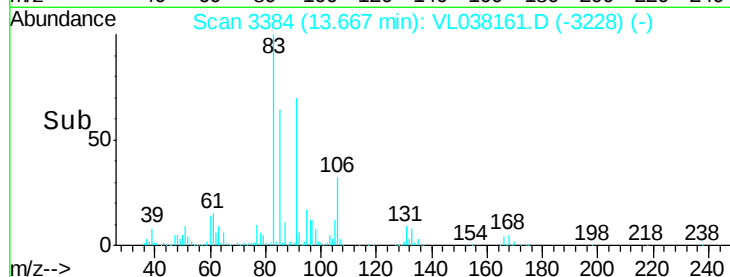
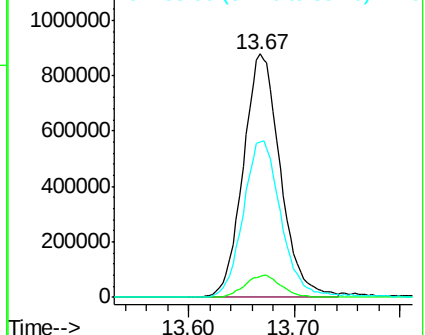
83 100

131 9.3 4.9 14.7

85 66.4 33.4 100.1



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: 10.460 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL038161.D

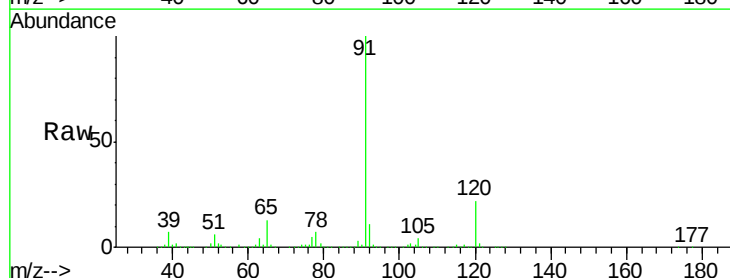
Acq: 8 Dec 2021 9:27

Tgt Ion:120 Resp: 1020123

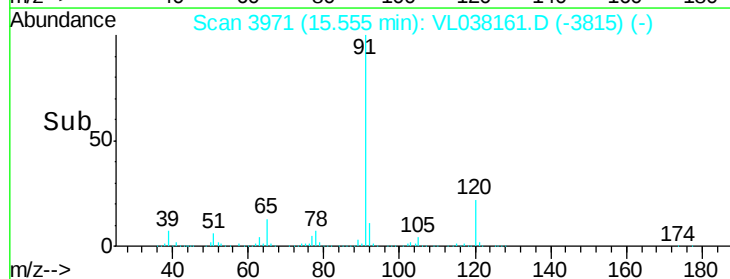
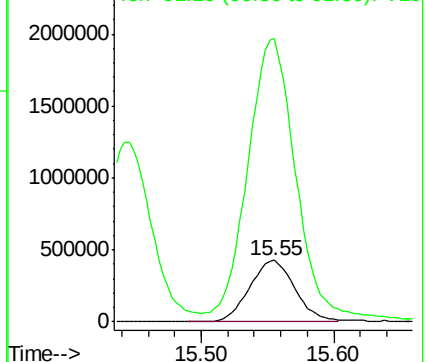
Ion Ratio Lower Upper

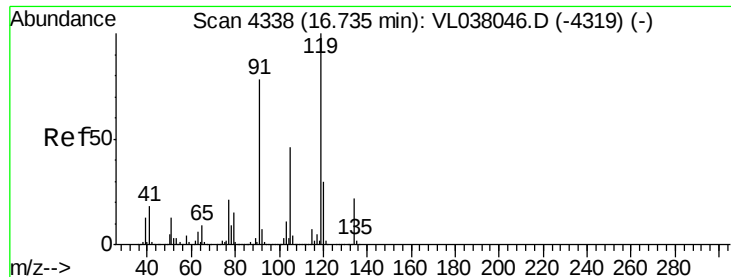
120 100

91 496.8 371.7 557.5



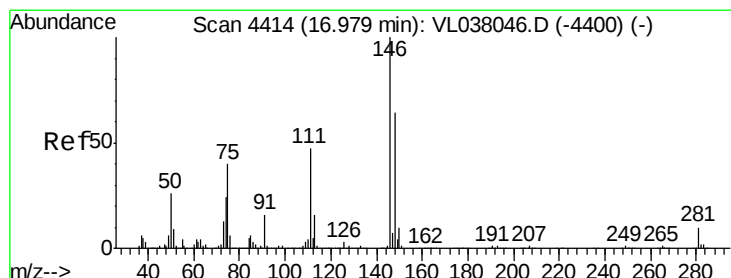
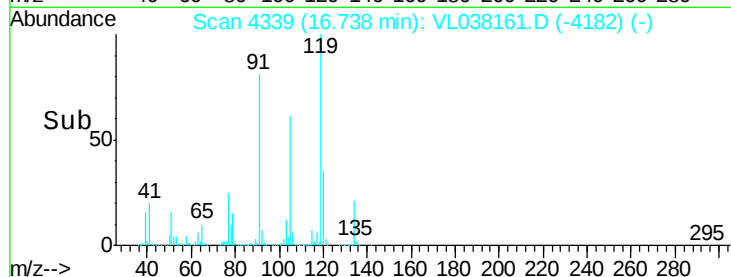
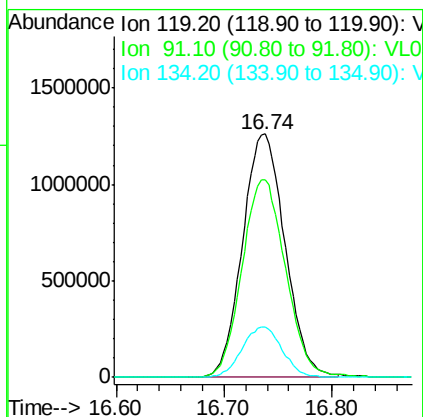
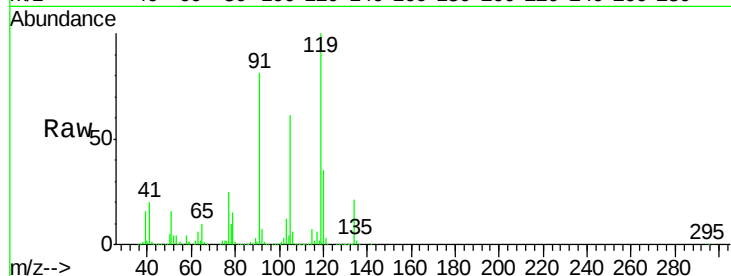
Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





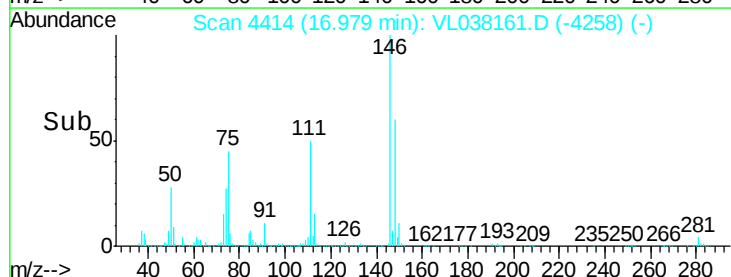
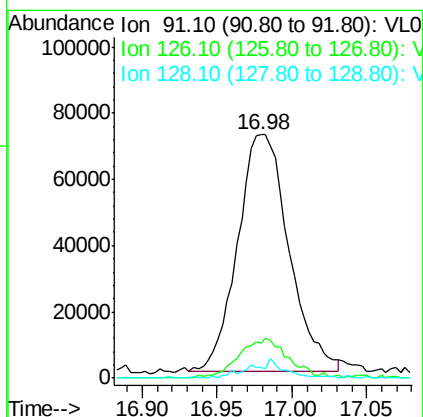
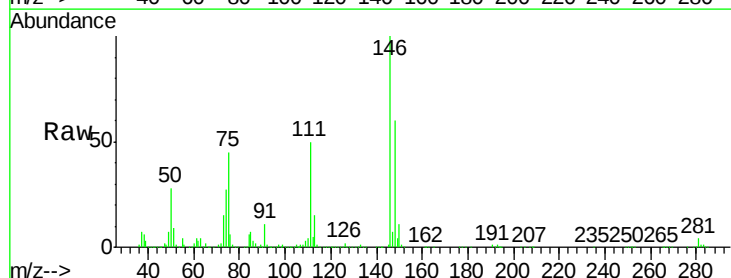
#65
tert-Butylbenzene
Concen: 10.232 ppbv
RT: 16.74 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Dec 2021 9:27

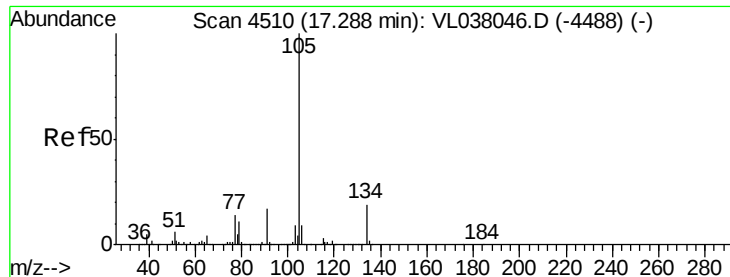
Tot Ion: 119 Resp: 3451040
Ion Ratio Lower Upper
119 100
91 83.4 63.2 94.8
134 19.8 16.1 24.1



#66
Benzyl Chloride
Concen: 10.003 ppbv
RT: 16.98 min Scan# 4414
Delta R.T.: 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

Tgt Ion: 91 Resp: 170988
Ion Ratio Lower Upper
91 100
126 16.4 15.5 23.3
128 5.8 5.6 8.4





#67

sec-Butylbenzene

Concen: 10.380 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

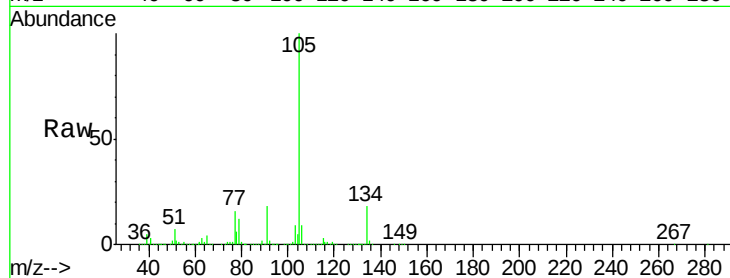
Acq: 8 Dec 2021 9:27

Tot Ion: 105 Resp: 4878434

Ion Ratio Lower Upper

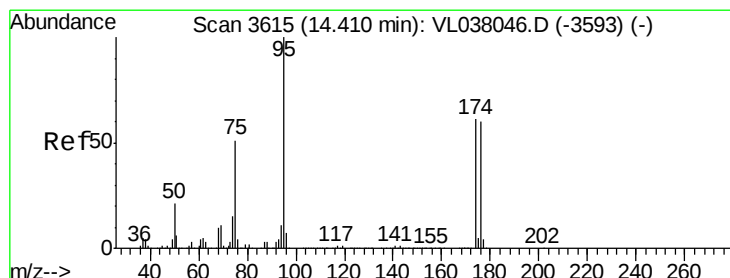
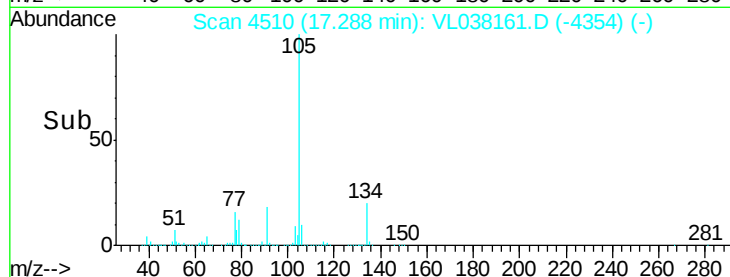
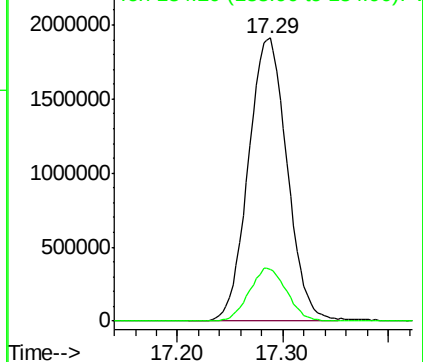
105 100

134 18.3 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.999 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

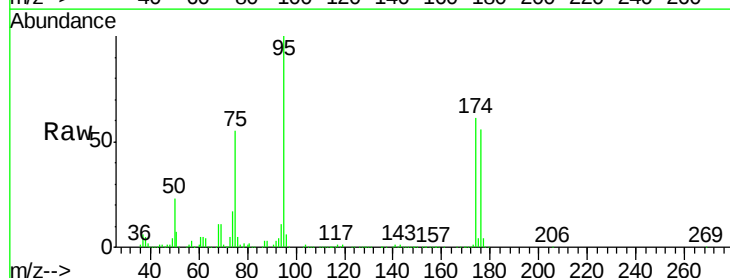
Tgt Ion: 95 Resp: 1657791

Ion Ratio Lower Upper

95 100

174 61.4 53.1 79.7

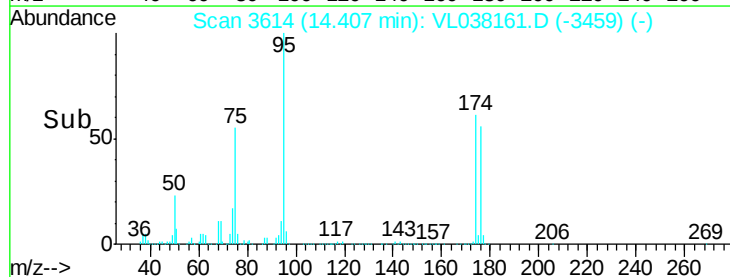
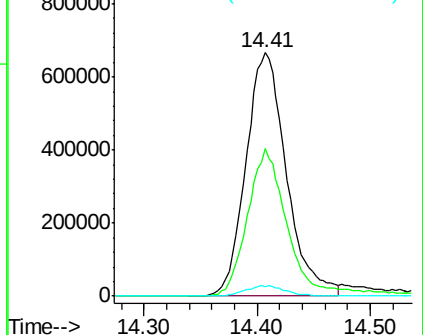
175 4.3 4.0 6.0

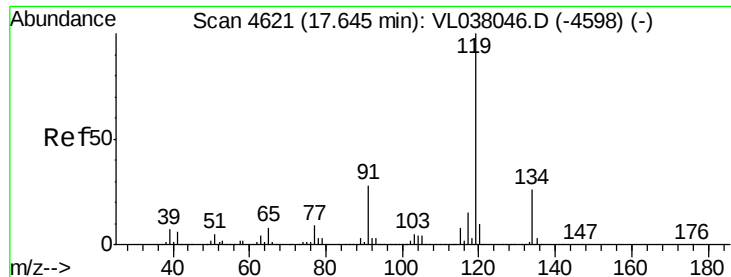


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

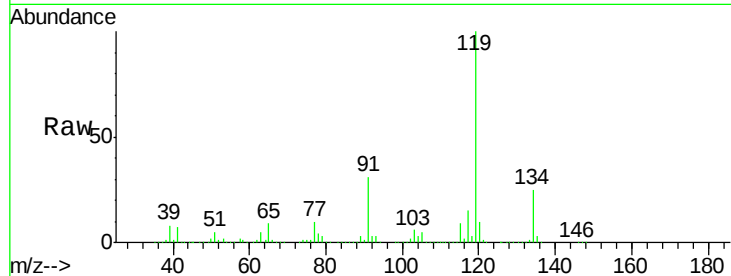
Ion 175.00 (174.70 to 175.70): V



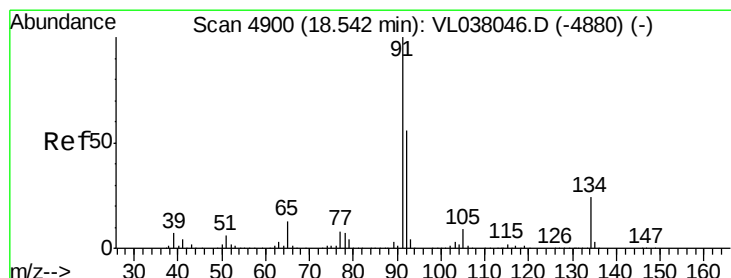
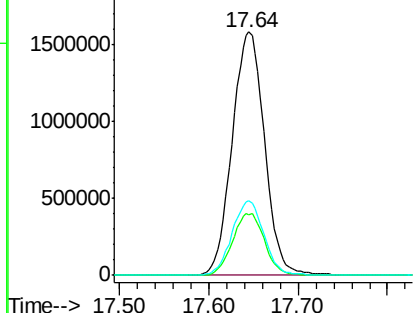
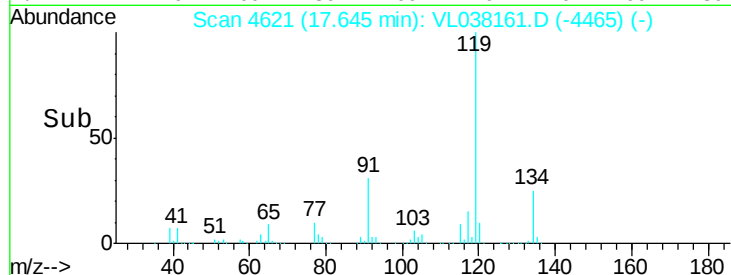


#69
 p-Isopropyltoluene
 Concen: 10.858 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

Tot Ion: 119 Resp: 3991636
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.6 30.8
 91 30.0 22.2 33.4

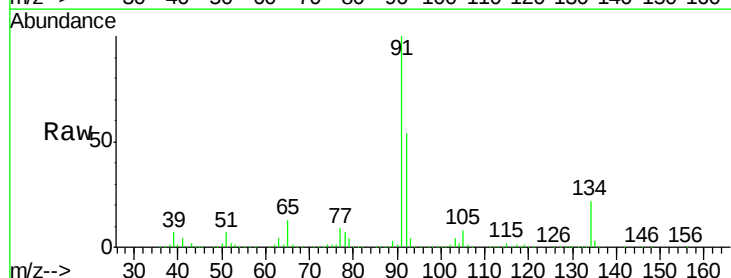


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

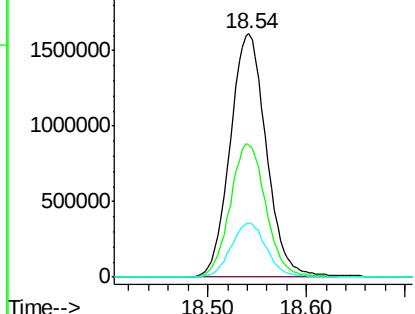
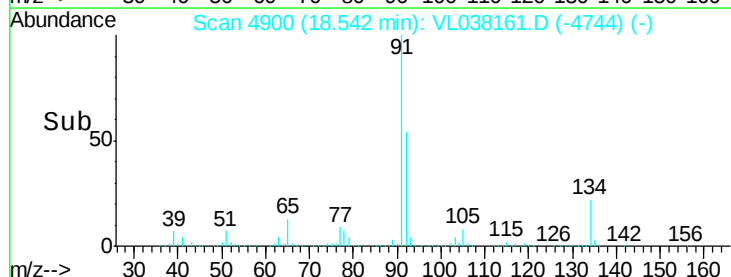


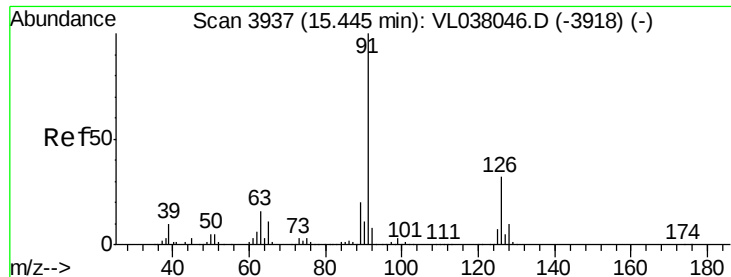
#70
 n-Butylbenzene
 Concen: 11.660 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T.: 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion: 91 Resp: 4098557
 Ion Ratio Lower Upper
 91 100
 92 54.5 44.1 66.1
 134 21.8 18.9 28.3



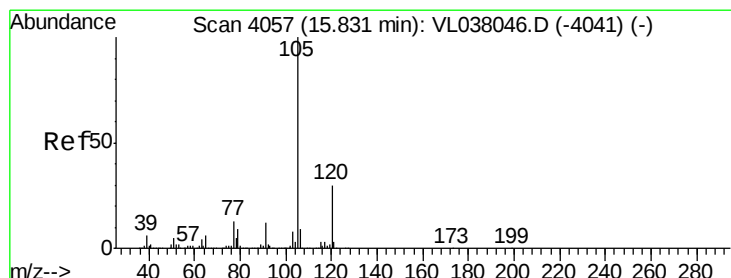
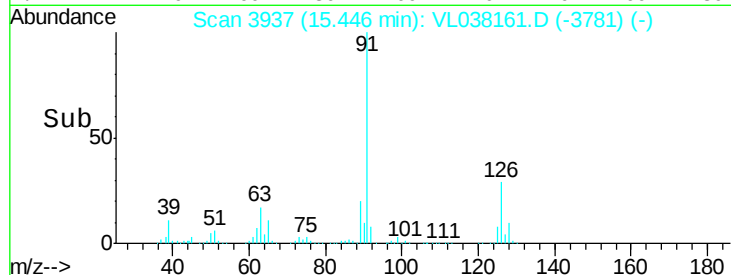
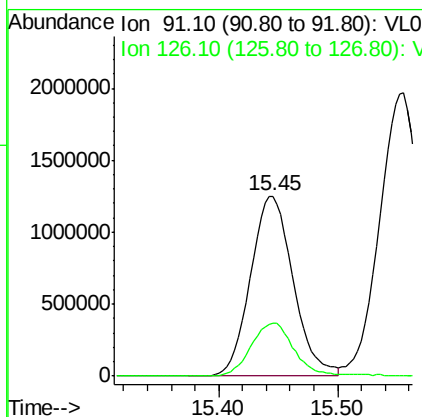
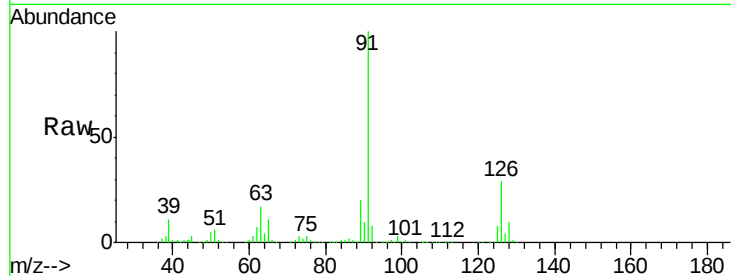
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





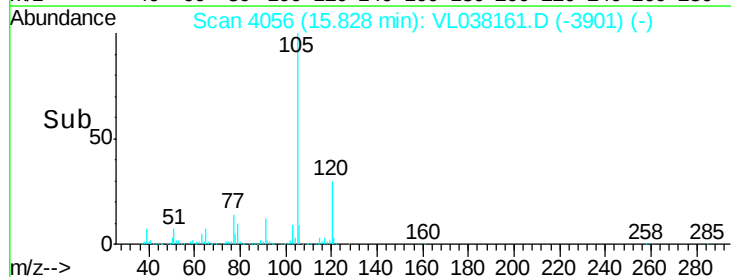
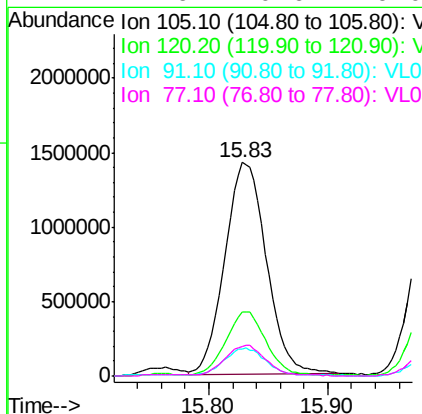
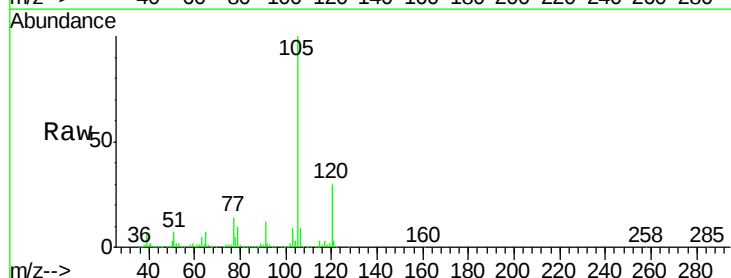
#71
 2-Chlorotoluene
 Concen: 11.087 ppbv
 RT: 15.45 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

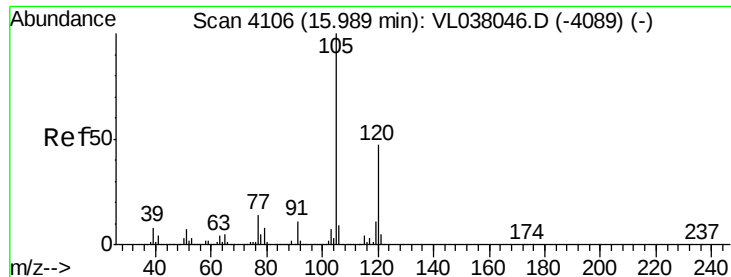
Tot Ion: 91 Resp: 3103248
 Ion Ratio Lower Upper
 91 100
 126 30.7 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 10.971 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T.: -0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

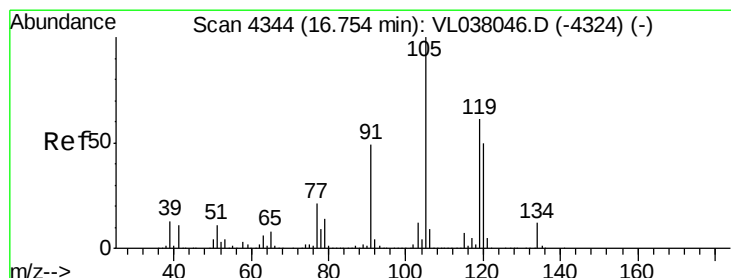
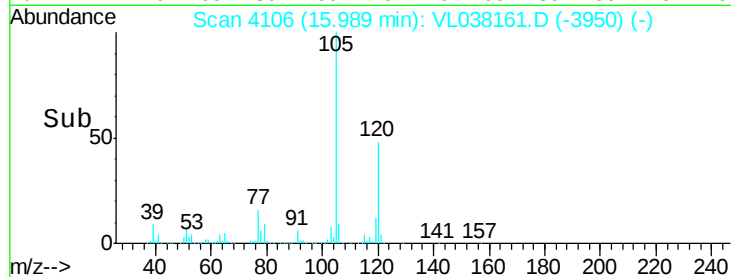
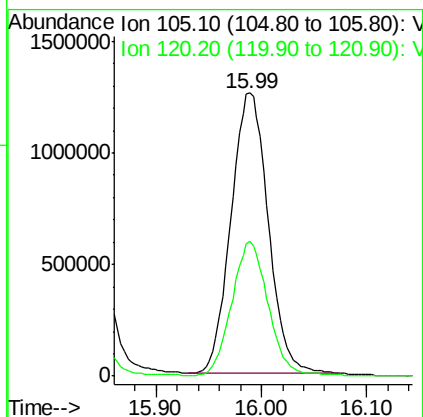
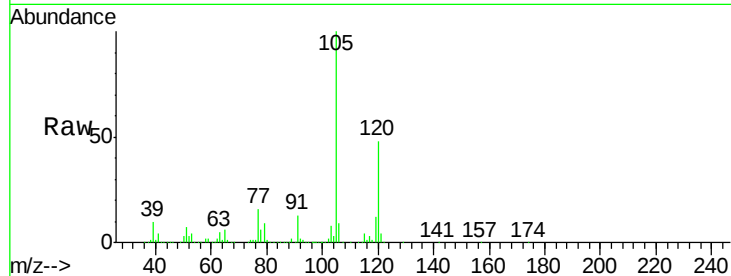
Tgt Ion:105 Resp: 3430727
 Ion Ratio Lower Upper
 105 100
 120 30.3 25.1 37.7
 91 13.1 9.7 14.5
 77 14.6 10.6 16.0





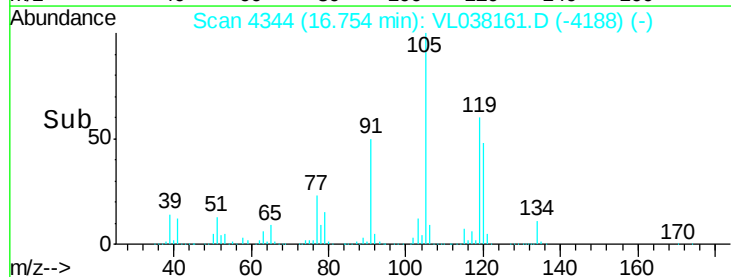
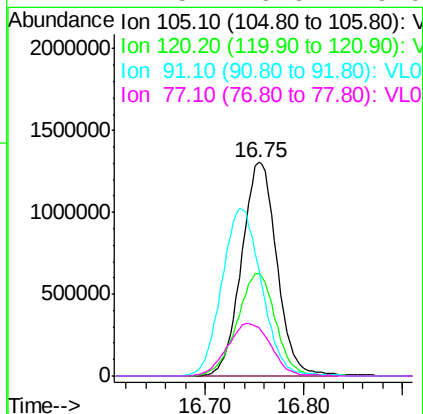
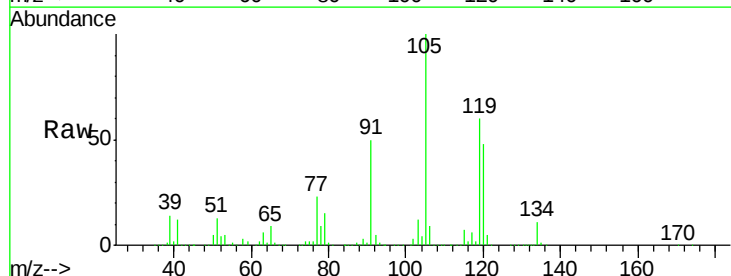
#73
 1,3,5-Trimethylbenzene
 Concen: 10.804 ppbv
 RT: 15.99 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

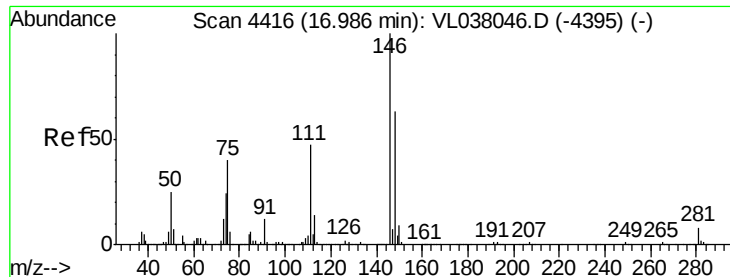
Tot Ion:105 Resp: 3085586
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.8 56.6



#74
 1,2,4-Trimethylbenzene
 Concen: 10.947 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T.: 0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion:105 Resp: 3221919
 Ion Ratio Lower Upper
 105 100
 120 47.9 40.1 60.1
 91 50.1 39.8 59.8
 77 22.5 16.6 25.0





#75

1,3-Dichlorobenzene

Concen: 11.231 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File:

Acq: 8 Dec 2021 9:27

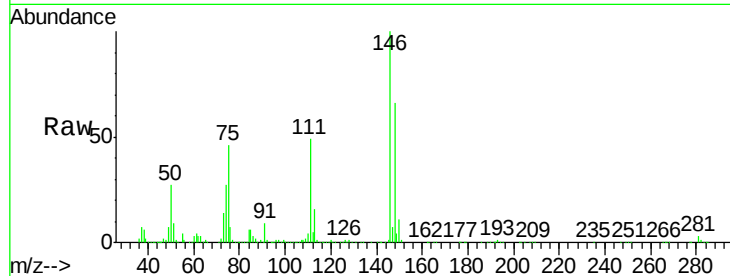
Tot Ion:146 Resp: 1815403

Ion Ratio Lower Upper

146 100

111 48.9 23.5 70.6

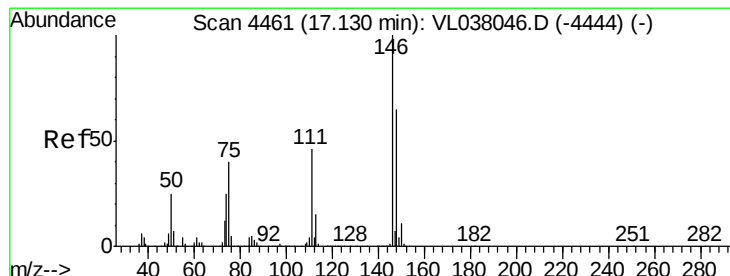
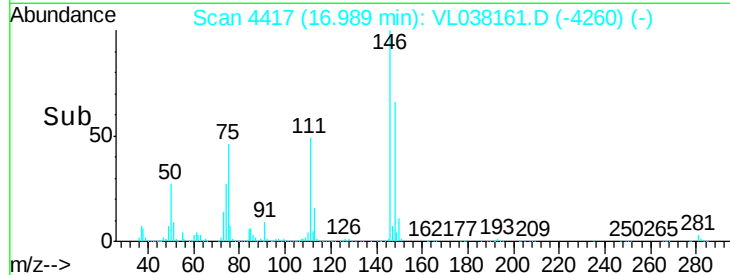
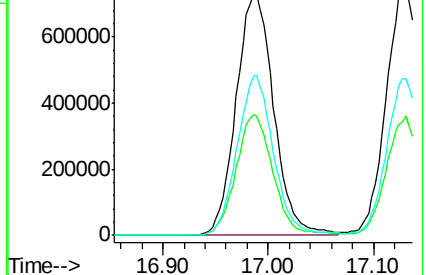
148 64.0 32.1 96.3



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



#76

1,4-Dichlorobenzene

Concen: 10.681 ppbv

RT: 17.13 min Scan# 4460

Delta R.T. -0.00 min

Lab File: VL038161.D

Acq: 8 Dec 2021 9:27

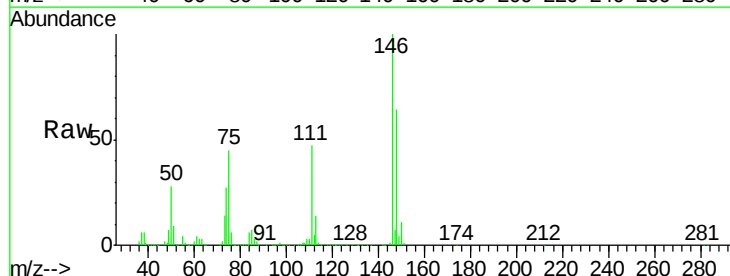
Tgt Ion:146 Resp: 1737455

Ion Ratio Lower Upper

146 100

111 49.6 23.8 71.5

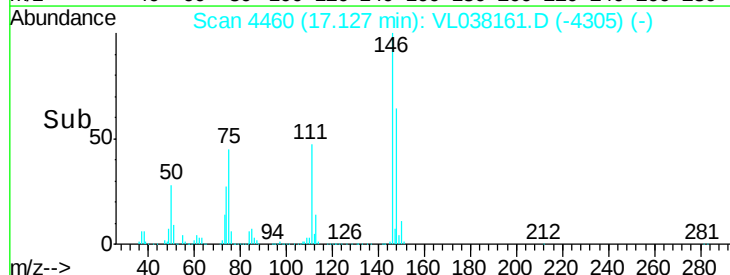
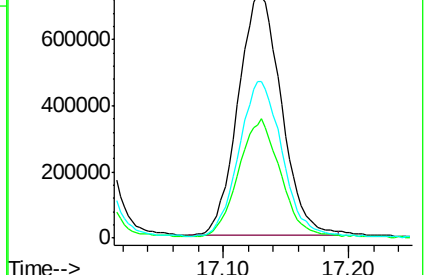
148 67.2 33.2 99.6

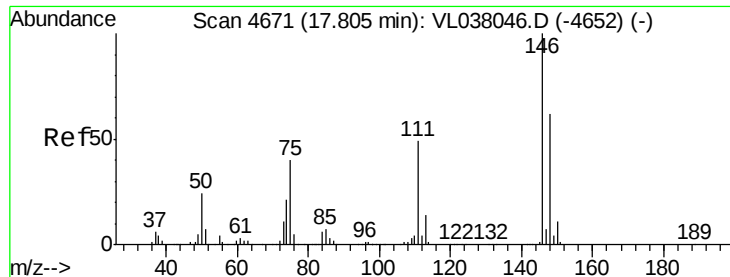


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

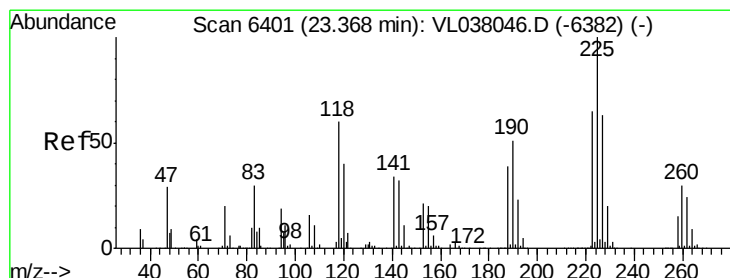
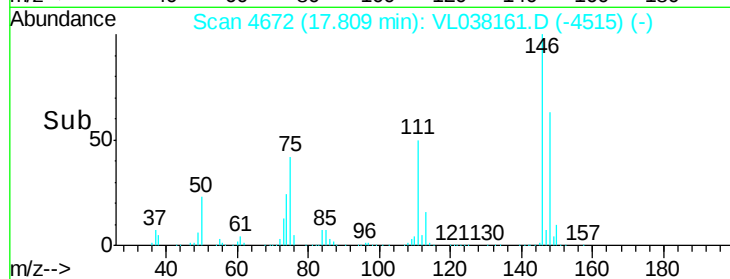
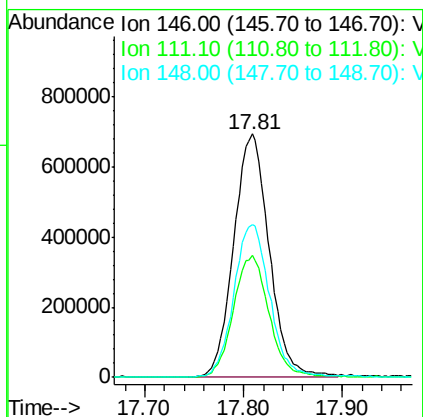
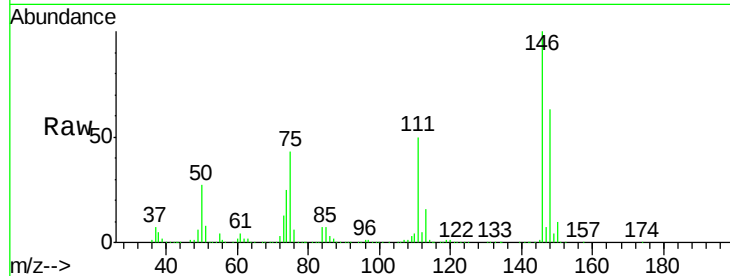
Ion 148.00 (147.70 to 148.70): V





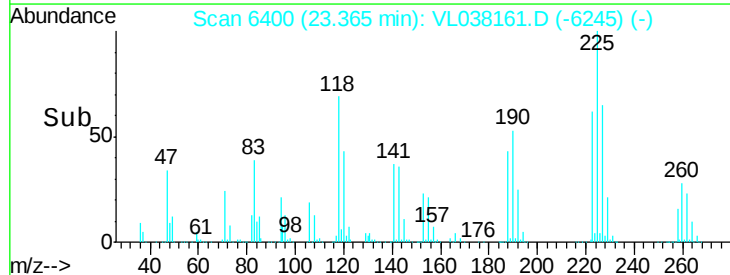
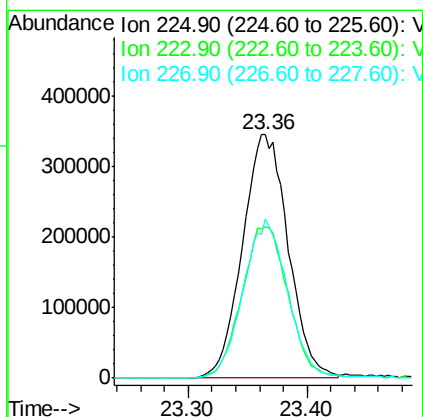
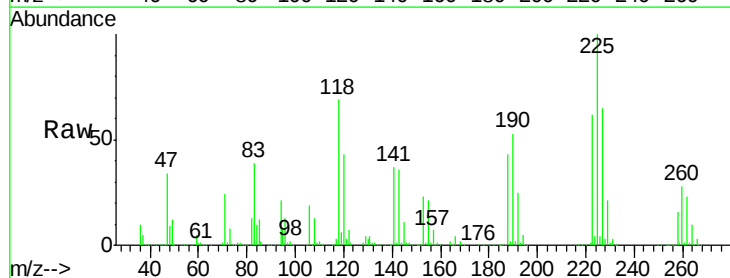
#77
 1,2-Dichlorobenzene
 Concen: 11.040 ppbv
 RT: 17.81 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 8 Dec 2021 9:27

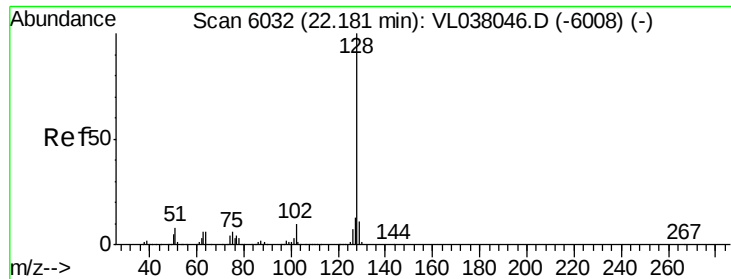
Tot Ion:146 Resp: 1727956
 Ion Ratio Lower Upper
 146 100
 111 50.5 24.8 74.4
 148 63.9 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.395 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T.: -0.00 min
 Lab File: VL038161.D
 Acq: 8 Dec 2021 9:27

Tgt Ion:225 Resp: 918166
 Ion Ratio Lower Upper
 225 100
 223 63.6 52.3 78.5
 227 63.9 52.4 78.6

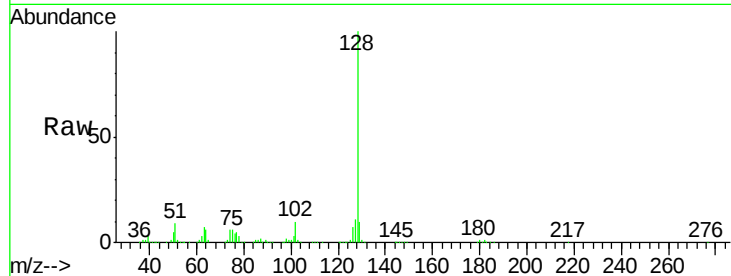




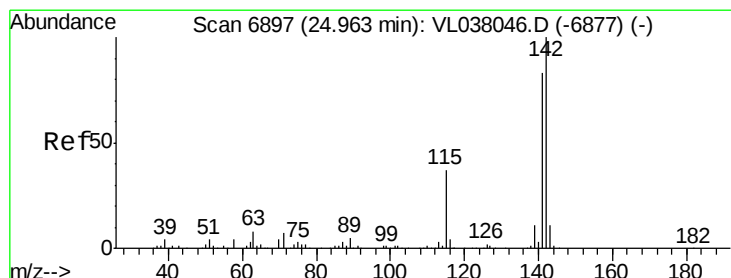
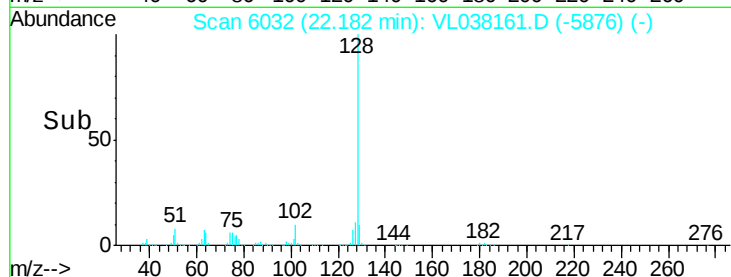
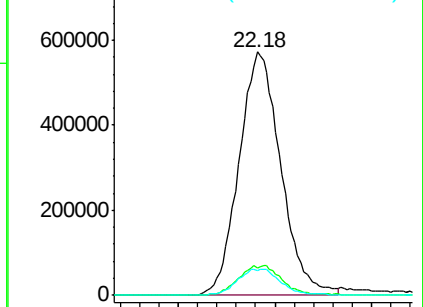
#79
Naphthalene
Concen: 11.104 ppbv
RT: 22.18 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Dec 2021 9:27

Tot Ion:128 Resp: 1721068

Ion	Ratio	Lower	Upper
128	100		
127	11.4	10.4	15.6
129	10.2	8.9	13.3



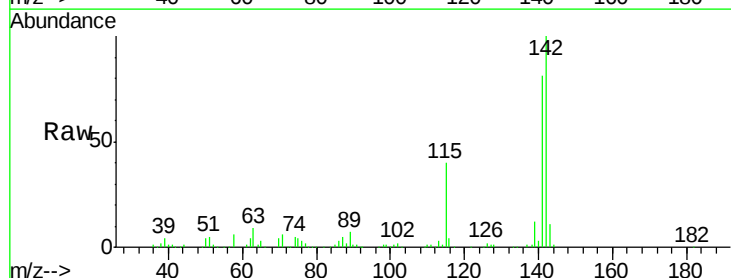
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



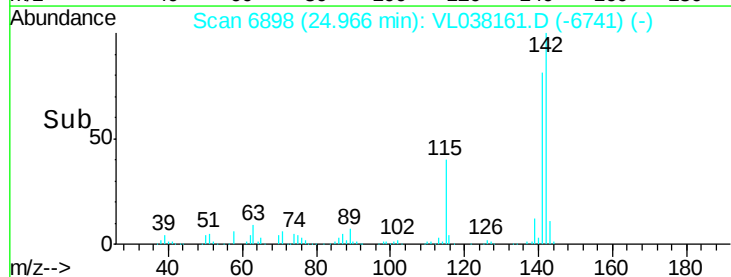
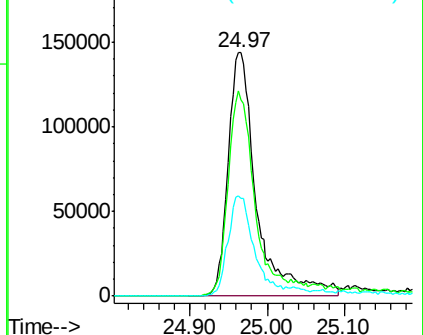
#80
Naphthalene, 2-methyl-
Concen: 11.015 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.00 min
Lab File: VL038161.D
Acq: 8 Dec 2021 9:27

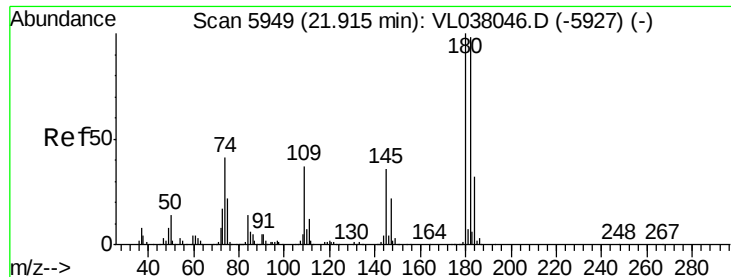
Tgt Ion:142 Resp: 365877

Ion	Ratio	Lower	Upper
142	100		
141	86.1	67.3	100.9
115	42.7	28.9	43.3



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: 10.836 ppbv

RT: 21.91 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Dec 2021 9.27

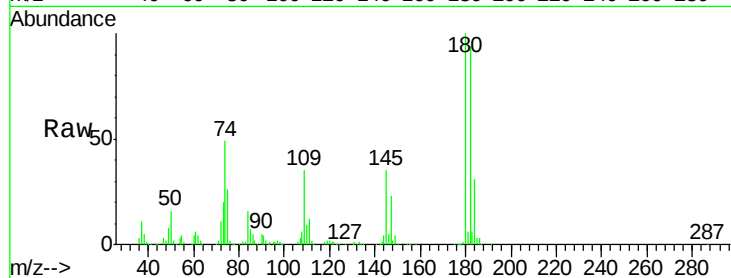
Tot Ion:180 Resp: 965104

Ion Ratio Lower Upper

180 100

182 97.0 77.4 116.2

184 30.5 25.0 37.4



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

