

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
 Data File : VL038794.D
 Acq On : 30 Mar 2022 12:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 04:05:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	845140	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2276939	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2612624	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1579019	7.88	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	925245	8.144	ppbv 100
3) Chlorodifluoromethane	2.98	51	897594	10.056	ppbv 99
4) Chloromethane	3.13	50	492432	10.048	ppbv 100
5) Vinyl Chloride	3.25	62	491598	9.872	ppbv 100
6) Bromomethane	3.47	94	286689	10.800	ppbv 100
7) Chloroethane	3.55	64	171803	10.422	ppbv 99
8) Dichlorotetrafluoroethane	3.18	85	1176570	10.372	ppbv 98
9) Propene	3.01	41	419829	9.742	ppbv 100
10) Heptane	8.11	43	1062688	10.316	ppbv 98
11) Trichlorofluoromethane	3.94	101	1115967	11.129	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	883741	11.449	ppbv 98
13) Ethanol	3.61	45	29327	6.169	ppbv 81
14) Bromoethene	3.73	108	384799	11.217	ppbv 97
15) Acetone	3.84	43	760985	10.435	ppbv 100
16) 1,3-Butadiene	3.32	39	424936	10.268	ppbv 97
17) tert-Butyl alcohol	4.27	59	850598	13.355	ppbv 99
18) 1,1-Dichloroethene	4.28	96	398193	11.483	ppbv 96
19) Isopropyl Alcohol	3.96	45	447323	11.064	ppbv 99
20) Methylene Chloride	4.33	84	336291	10.948	ppbv 100
21) Allyl Chloride	4.40	41	618522	11.785	ppbv 100
22) trans-1,2-Dichloroethene	4.87	96	438010	12.178	ppbv 98
23) Vinyl Acetate	5.06	43	899868	12.743	ppbv 100
24) 1,1-Dichloroethane	5.00	63	796884	11.459	ppbv 99
25) Ethyl Acetate	5.66	43	1885696	10.272	ppbv 100
26) Hexane	5.67	57	836671	10.180	ppbv 99
27) Carbon Disulfide	4.54	76	1031195	12.790	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	749475	12.242	ppbv 99
29) Chloroform	5.74	83	1361574	10.347	ppbv 98
30) Cyclohexane	7.11	84	735092	10.287	ppbv 97
31) cis-1,2-Dichloroethene	5.54	61	779837	10.091	ppbv 100
32) 1,1,1-Trichloroethane	6.49	97	1369813	10.786	ppbv 99
34) 2-Butanone	5.23	43	914358	10.146	ppbv 97
35) Carbon Tetrachloride	7.00	117	1439892	10.899	ppbv 99
36) Benzene	6.87	78	1808609	10.292	ppbv 100
37) 1,2-Dichloroethane	6.29	62	947876	10.604	ppbv 100
38) Trichloroethene	7.82	130	793709	10.782	ppbv 98
39) 1,2-Dichloropropane	7.59	63	689322	10.034	ppbv 99
40) 1,4-Dioxane	7.82	88	172947	7.249	ppbv # 13
41) Tetrahydrofuran	6.03	42	683608	10.192	ppbv 97
42) Bromodichloromethane	7.77	83	1466772	10.944	ppbv 100
43) Methyl Methacrylate	8.00	69	721105	11.053	ppbv 98

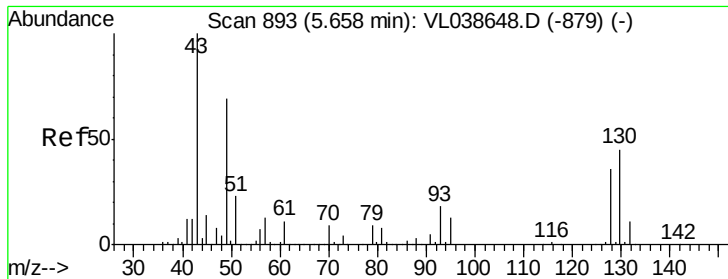
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033022\
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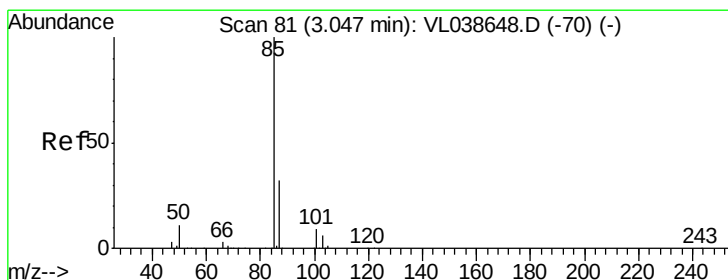
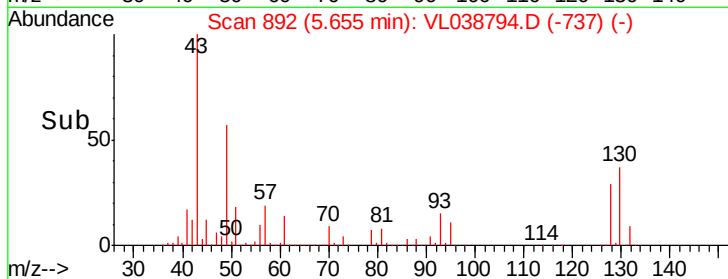
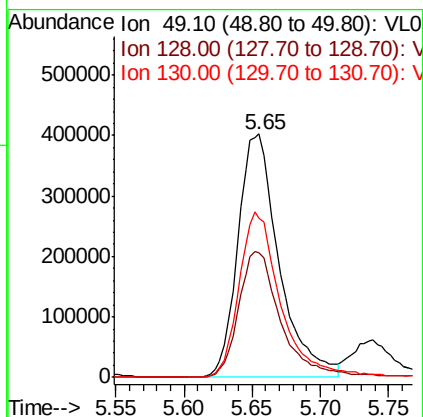
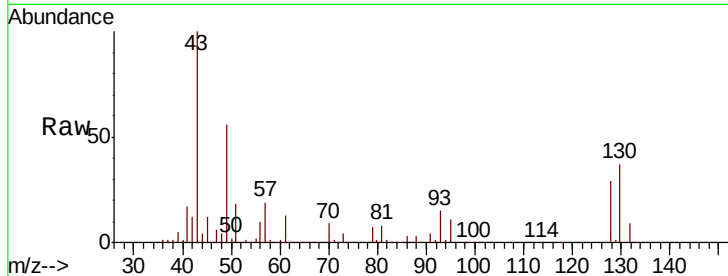
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	2910549	9.864	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	836862	12.616	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1042432	11.621	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	748642	10.207	ppbv	98
48) Dibromochloromethane	10.28	129	1308610	11.390	ppbv	99
49) Bromoform	13.02	173	1079433	11.528	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	1747286	10.429	ppbv	99
51) 2-Hexanone	10.11	43	1340054	11.135	ppbv #	99
52) Tetrachloroethene	11.20	164	668773	10.400	ppbv	96
53) Toluene	9.79	91	2070911	10.968	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1113507	11.118	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	914330	8.441	ppbv	99
57) Chlorobenzene	12.13	112	1531631	8.128	ppbv	98
58) Ethyl Benzene	12.69	91	2692443	8.815	ppbv	100
59) m/p-Xylene	12.98	91	2345560	8.779	ppbv #	35
60) o-Xylene	13.67	91	2149339	8.473	ppbv	100
61) Styrene	13.51	104	1295639	9.418	ppbv	99
62) Isopropylbenzene	14.64	105	3157751	8.280	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1400319	7.126	ppbv	98
64) n-propylbenzene	15.54	120	834413	8.338	ppbv	93
65) tert-Butylbenzene	16.72	119	2804364	8.184	ppbv	99
66) Benzyl Chloride	16.97	91	721358	11.117	ppbv	99
67) sec-Butylbenzene	17.27	105	3989887	8.141	ppbv	100
69) p-Isopropyltoluene	17.63	119	3350482	8.377	ppbv	100
70) n-Butylbenzene	18.53	91	3490593	8.461	ppbv	100
71) 2-Chlorotoluene	15.43	91	2297185	8.115	ppbv	98
72) 4-Ethyltoluene	15.82	105	2656123	8.870	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	2313229	8.477	ppbv	100
74) 1,2,4-Trimethylbenzene	16.74	105	2464328	8.291	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	1543786	8.155	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	1507082	8.005	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	1505073	8.025	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1288944	7.436	ppbv	99
79) Naphthalene	22.17	128	2378958	10.476	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	559735	9.192	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1393534	8.964	ppbv	98

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



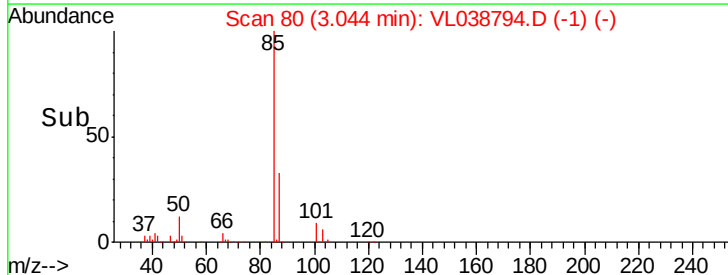
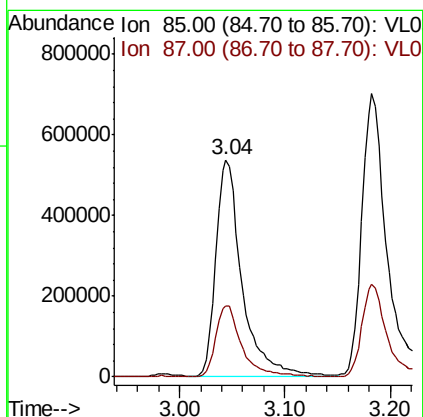
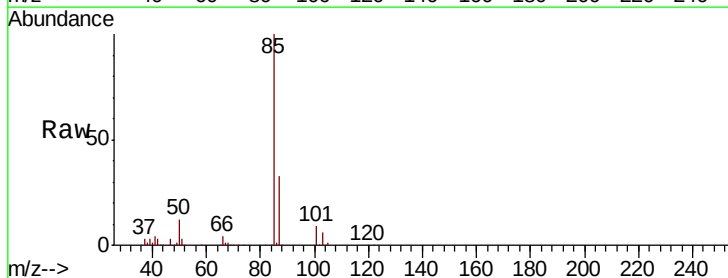
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 12:18

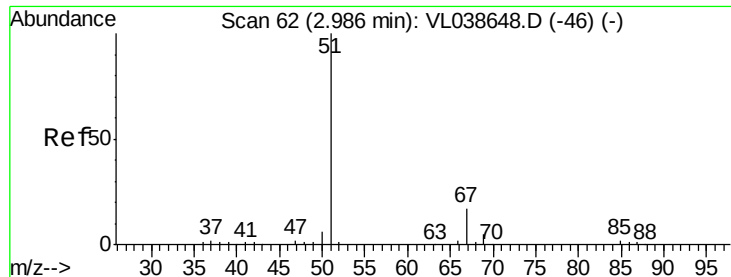
Tot Ion: 49 Resp: 845140
 Ion Ratio Lower Upper
 49 100
 128 53.6 26.2 78.6
 130 69.6 33.7 101.1



#2
 Dichlorodifluoromethane
 Concen: 8.144 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. -0.00 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

Tgt Ion: 85 Resp: 925245
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.0 39.0





#3

Chlorodifluoromethane

Concen: 10.056 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

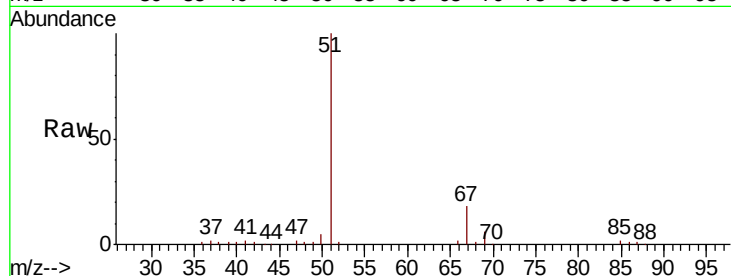
Acq: 30 Mar 2022 12:18

Tot Ion: 51 Resp: 897594

Ion Ratio Lower Upper

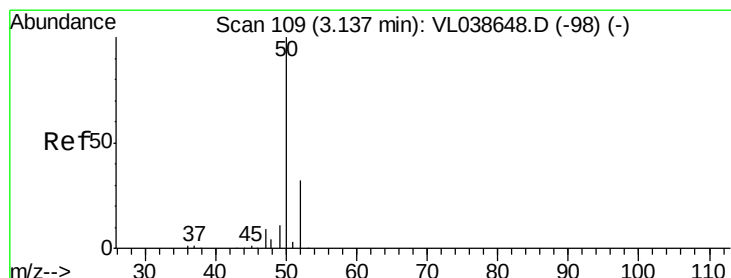
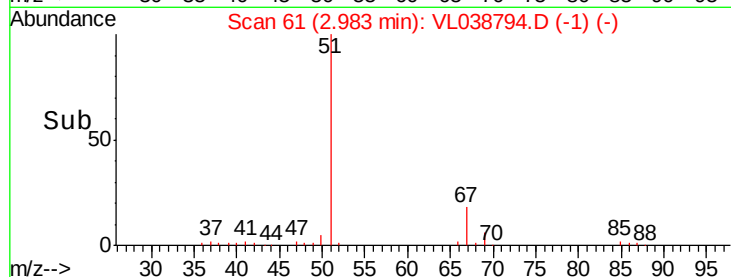
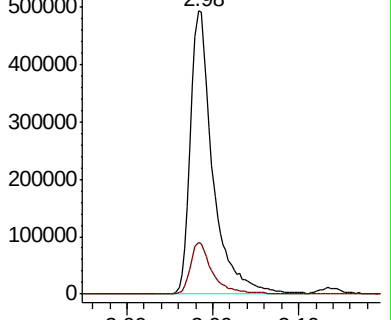
51 100

67 18.0 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.048 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL038794.D

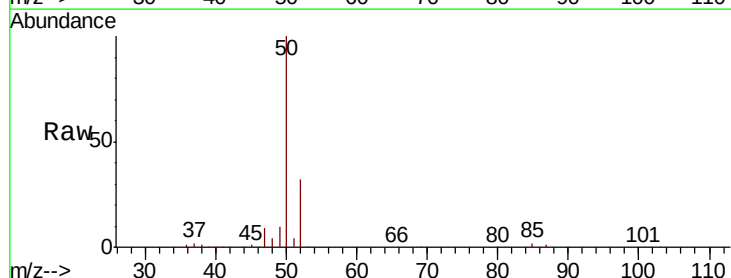
Acq: 30 Mar 2022 12:18

Tgt Ion: 50 Resp: 492432

Ion Ratio Lower Upper

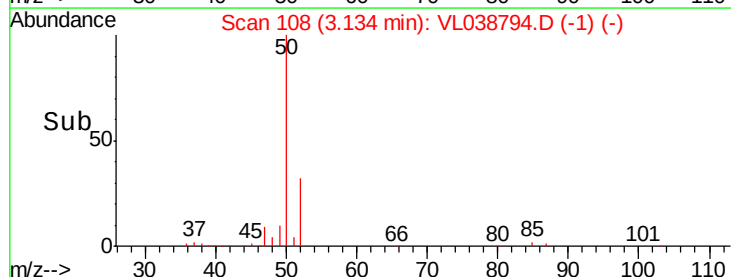
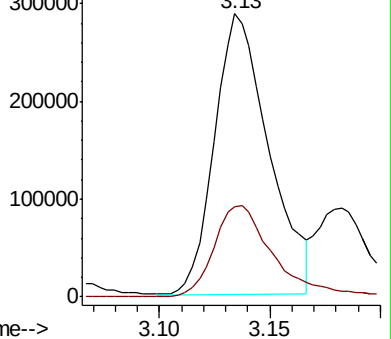
50 100

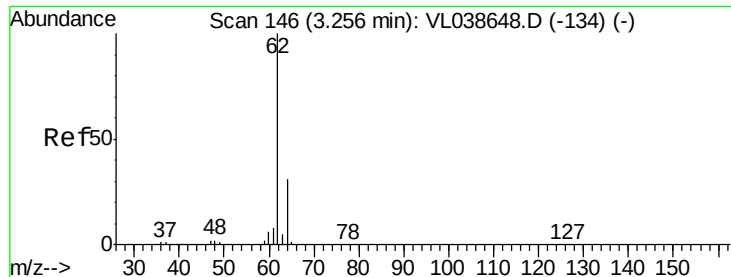
52 31.9 25.5 38.3



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.872 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

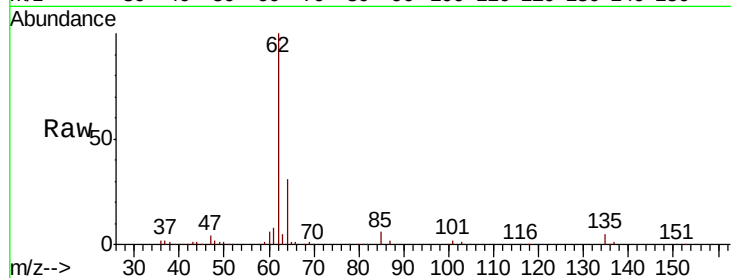
Acq: 30 Mar 2022 12:18

Tot Ion: 62 Resp: 491598

Ion Ratio Lower Upper

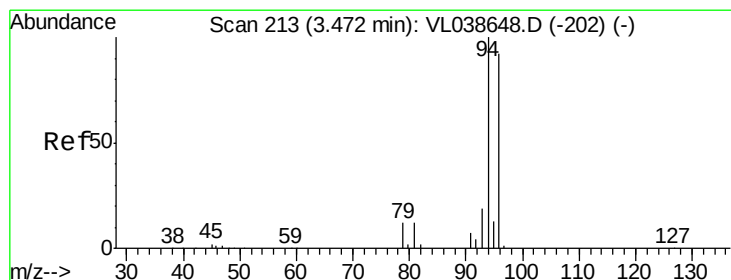
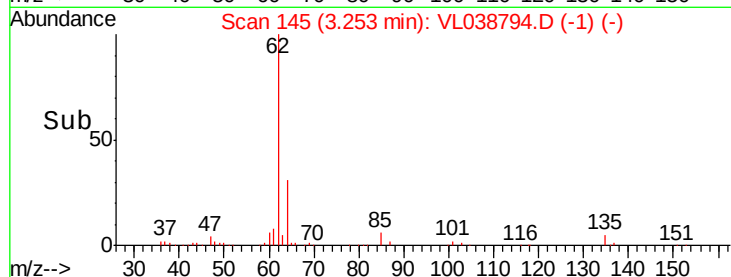
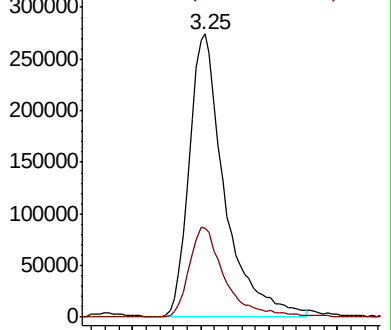
62 100

64 31.2 25.0 37.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.800 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL038794.D

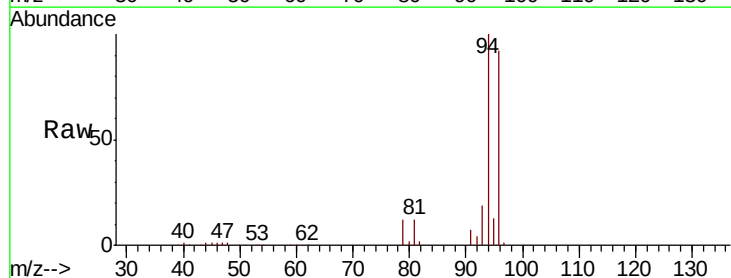
Acq: 30 Mar 2022 12:18

Tgt Ion: 94 Resp: 286689

Ion Ratio Lower Upper

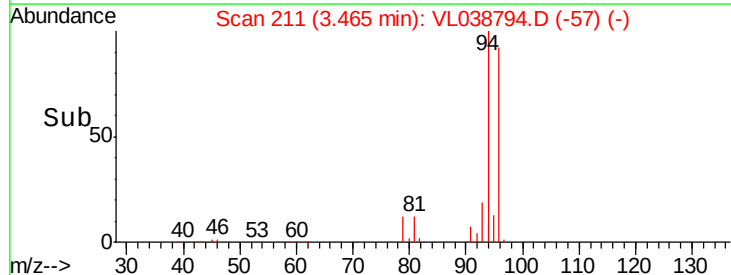
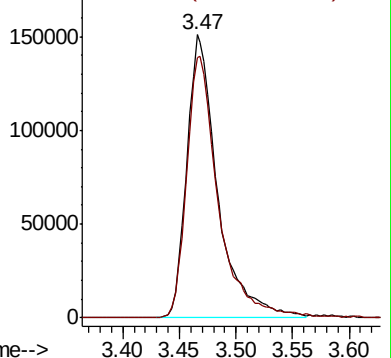
94 100

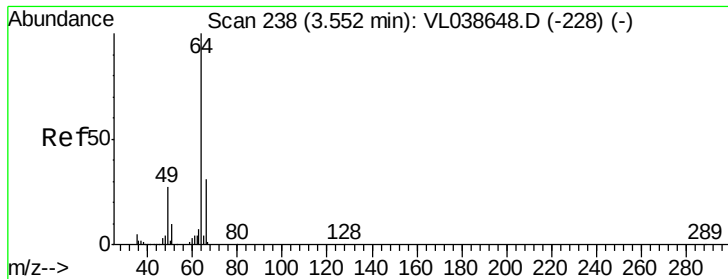
96 91.9 73.3 109.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.422 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

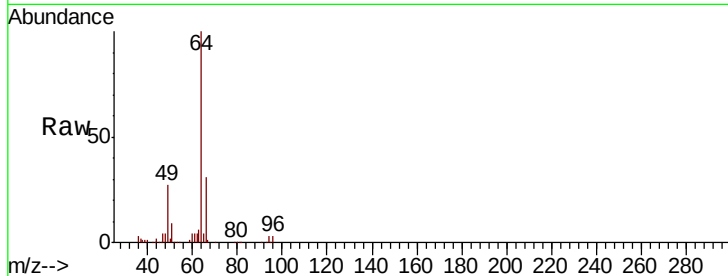
Acq: 30 Mar 2022 12:18

Tot Ion: 64 Resp: 171803

Ion Ratio Lower Upper

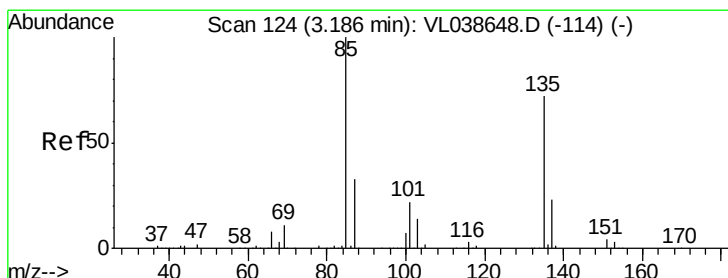
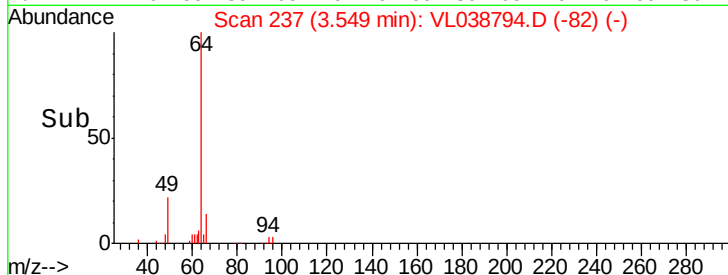
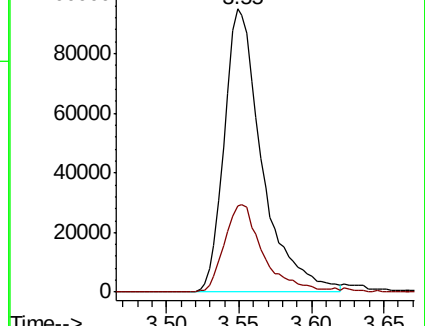
64 100

66 30.7 25.0 37.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.372 ppbv

RT: 3.18 min Scan# 123

Delta R.T. -0.00 min

Lab File: VL038794.D

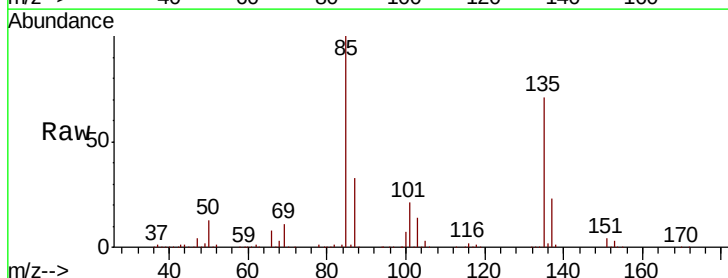
Acq: 30 Mar 2022 12:18

Tgt Ion: 85 Resp: 1176570

Ion Ratio Lower Upper

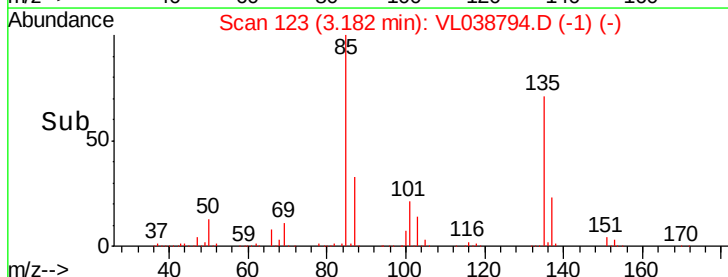
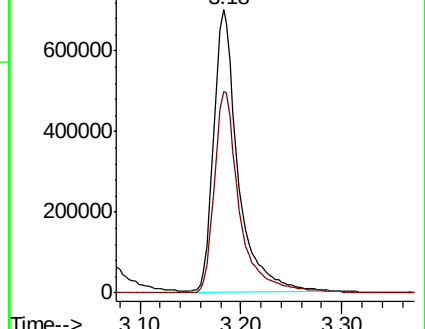
85 100

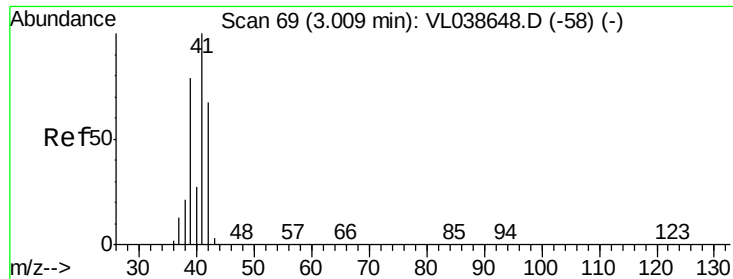
135 74.2 57.8 86.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0





#9

Propene

Concen: 9.742 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

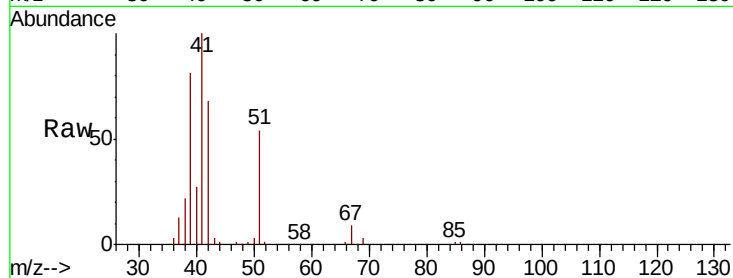
Acq: 30 Mar 2022 12:18

Tot Ion: 41 Resp: 419829

Ion Ratio Lower Upper

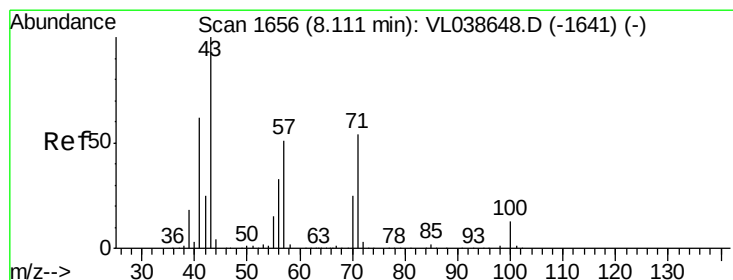
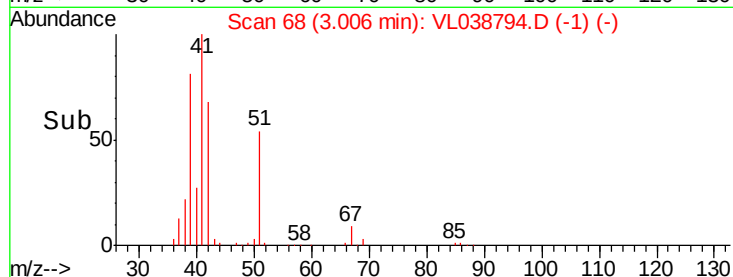
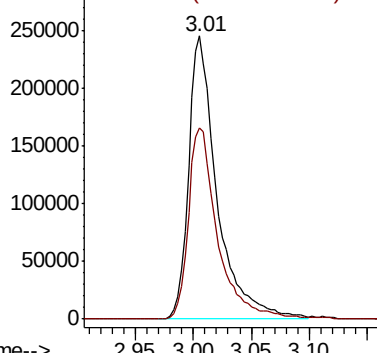
41 100

42 69.9 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: 10.316 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL038794.D

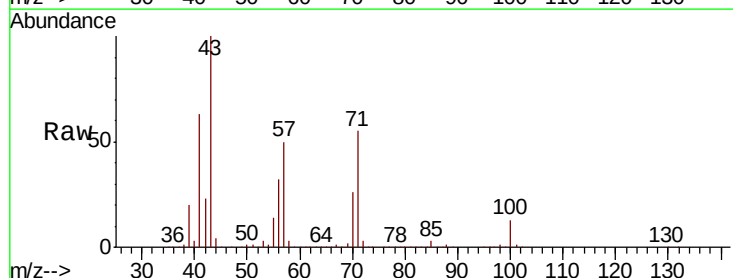
Acq: 30 Mar 2022 12:18

Tgt Ion: 43 Resp: 1062688

Ion Ratio Lower Upper

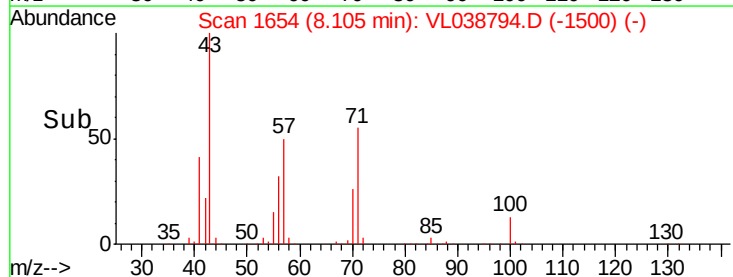
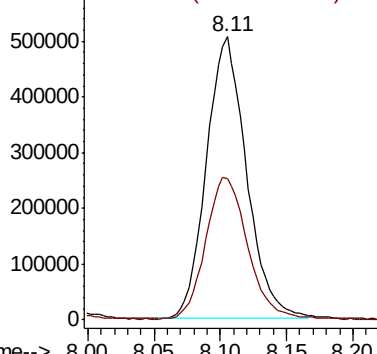
43 100

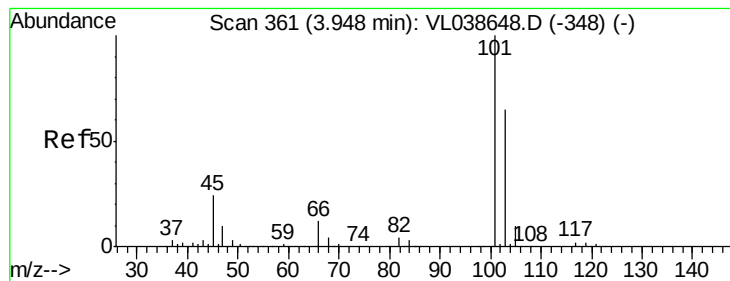
57 53.4 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 11.129 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

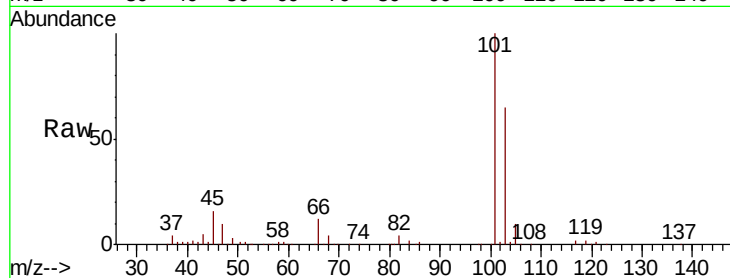
Acq: 30 Mar 2022 12:18

Tot Ion:101 Resp: 1115967

Ion Ratio Lower Upper

101 100

103 65.0 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

600000

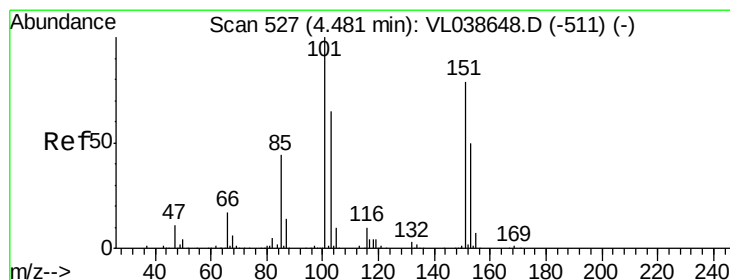
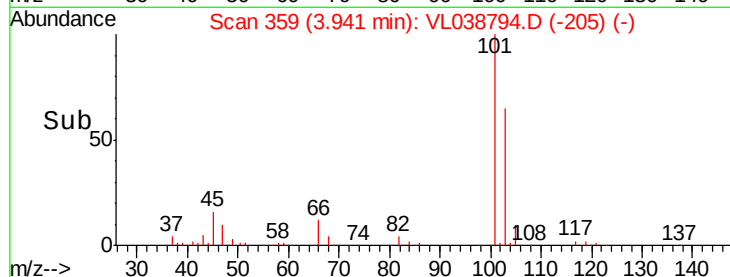
400000

200000

0

3.94

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.449 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.01 min

Lab File: VL038794.D

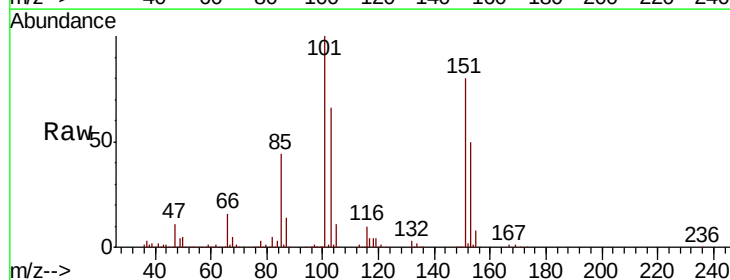
Acq: 30 Mar 2022 12:18

Tgt Ion:101 Resp: 883741

Ion Ratio Lower Upper

101 100

151 80.1 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

500000

400000

300000

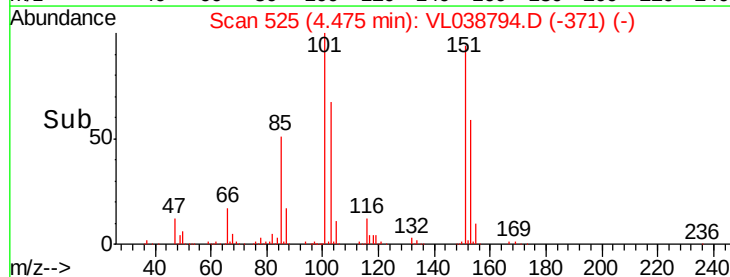
200000

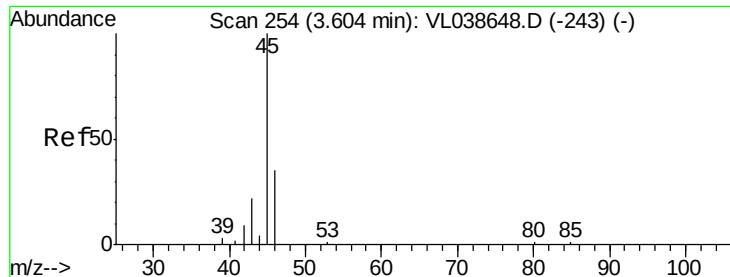
100000

0

4.47

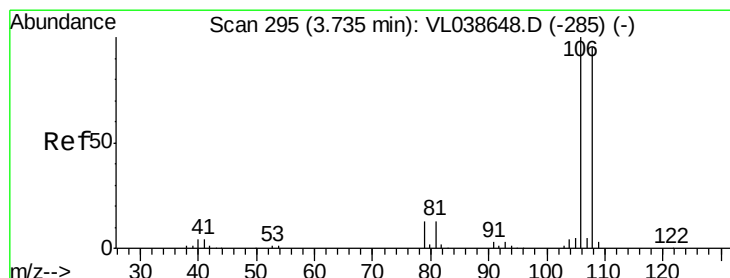
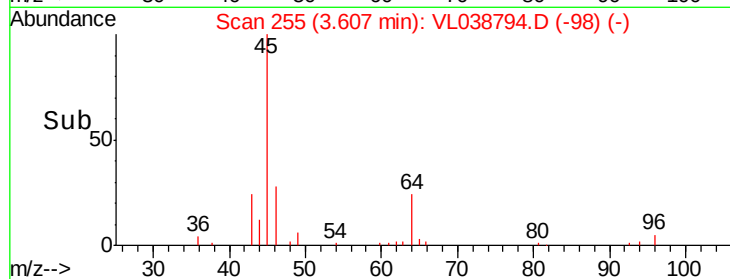
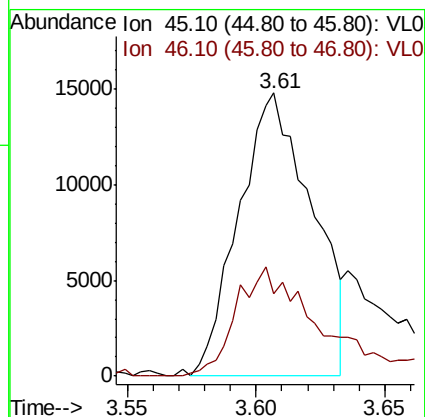
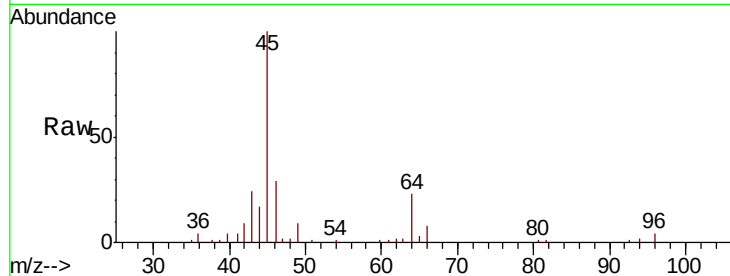
Time-->





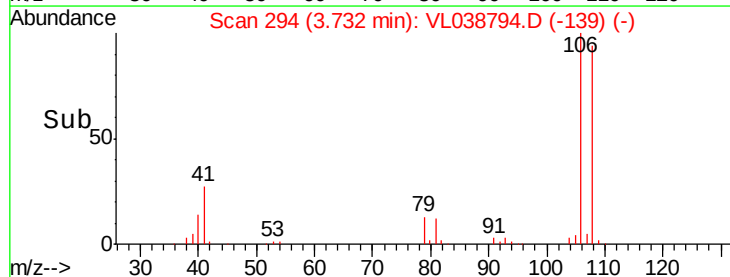
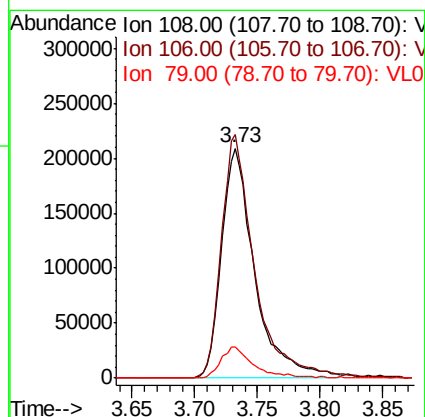
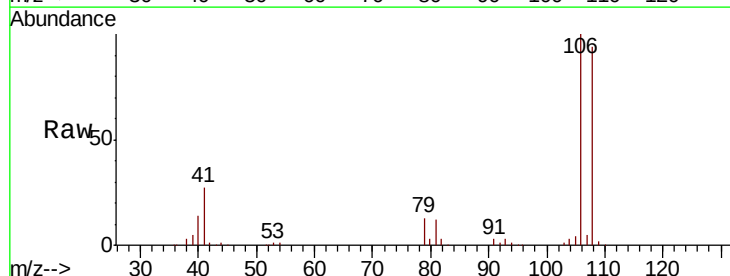
#13
Ethanol
Concen: 6.169 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 12:18

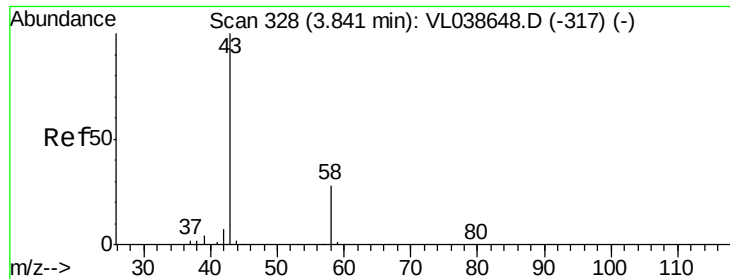
Tot Ion: 45 Resp: 29327
Ion Ratio Lower Upper
45 100
46 49.0 15.1 60.5



#14
Bromoethene
Concen: 11.217 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

Tgt Ion: 108 Resp: 384799
Ion Ratio Lower Upper
108 100
106 106.9 88.3 132.5
79 14.1 11.2 16.8





#15

Acetone

Concen: 10.435 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

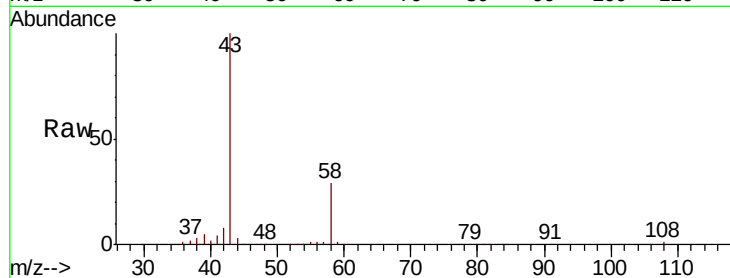
Acq: 30 Mar 2022 12:18

Tot Ion: 43 Resp: 760985

Ion Ratio Lower Upper

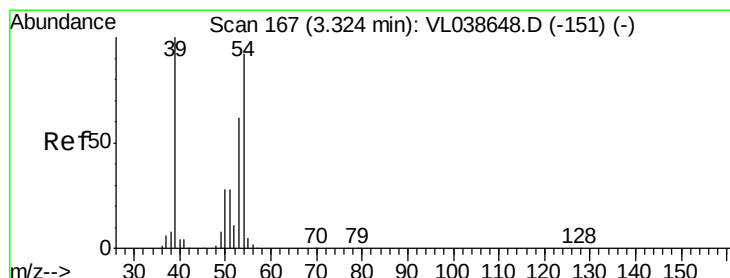
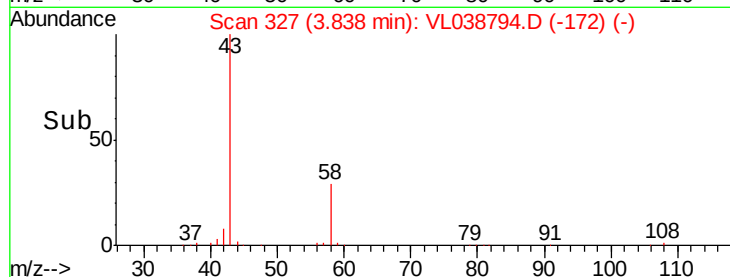
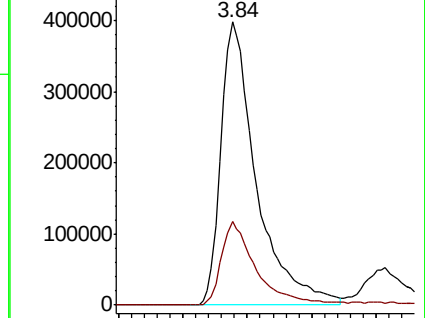
43 100

58 29.0 23.3 34.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.268 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL038794.D

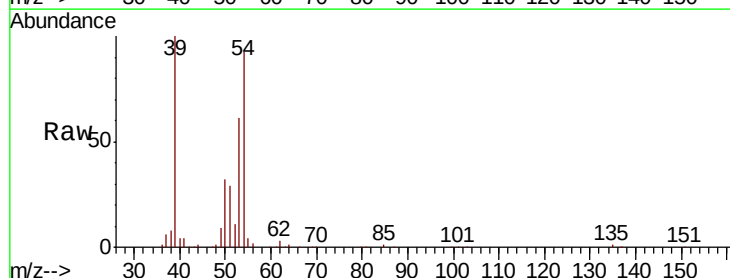
Acq: 30 Mar 2022 12:18

Tgt Ion: 39 Resp: 424936

Ion Ratio Lower Upper

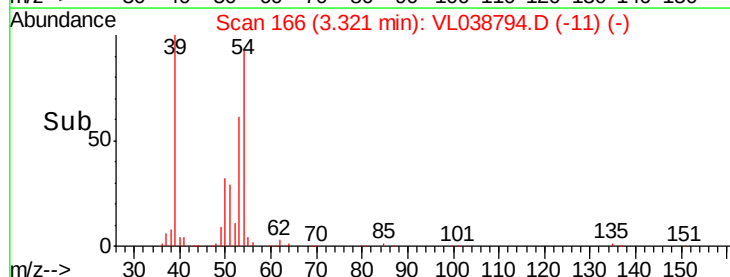
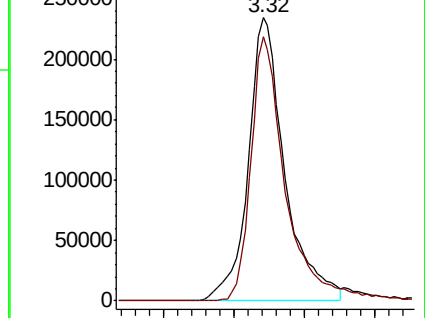
39 100

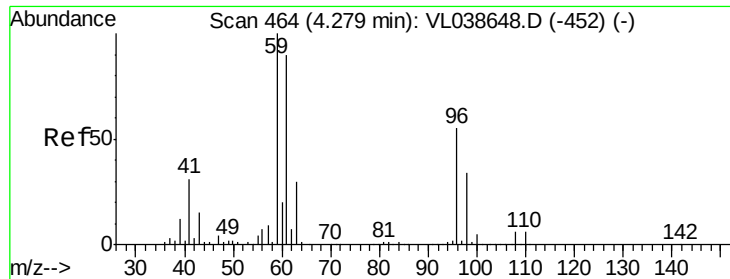
54 89.1 69.1 103.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

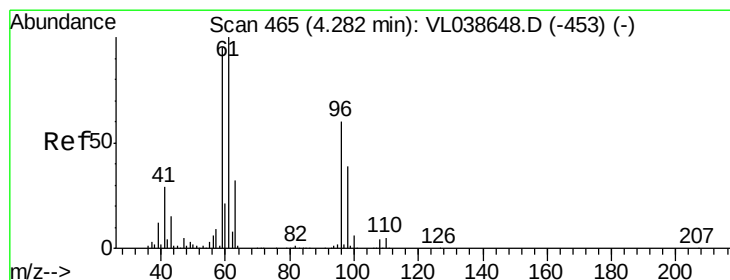
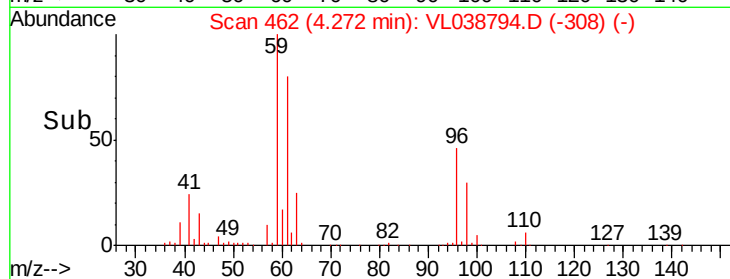
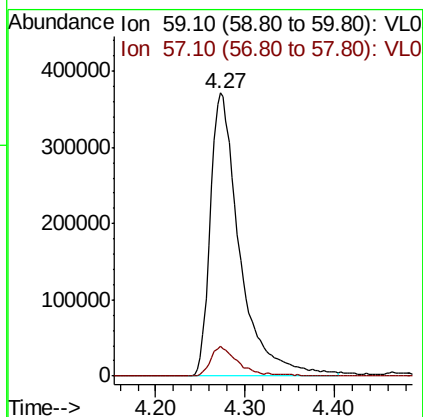
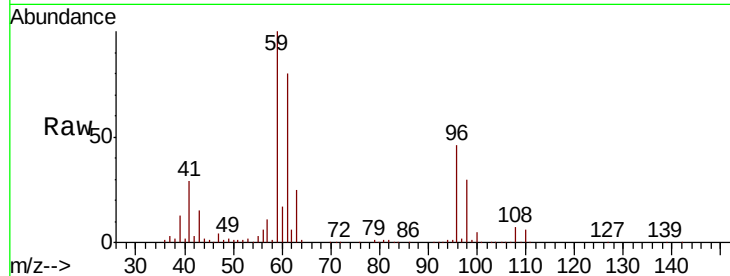
Ion 54.10 (53.80 to 54.80): VL0





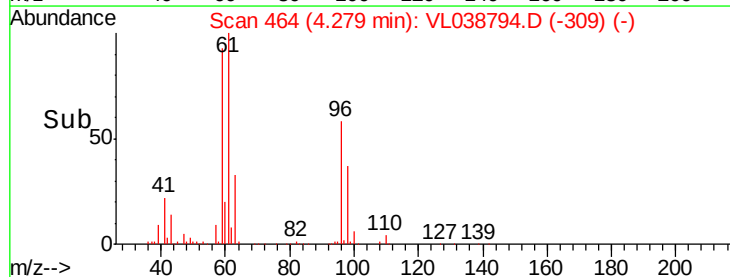
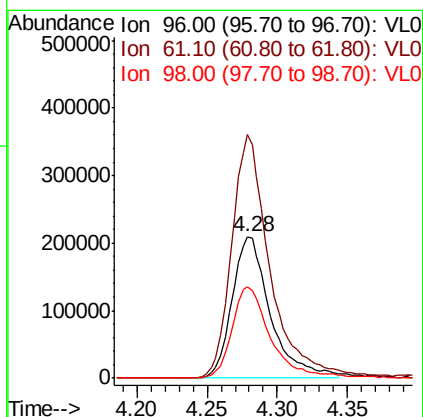
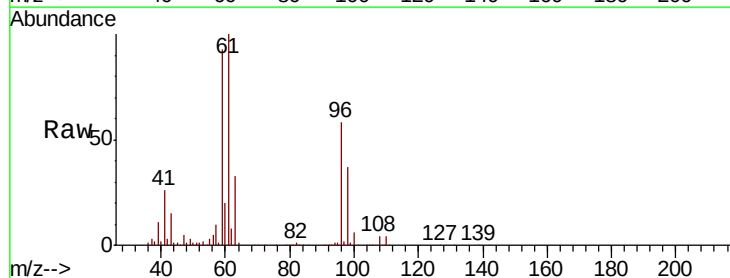
#17
tert-Butyl alcohol
Concen: 13.355 ppbv
RT: 4.27
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 12:18

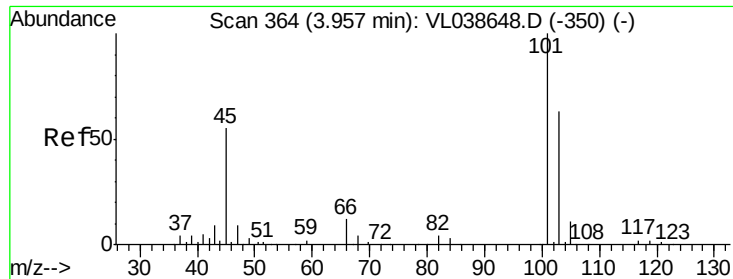
Tot Ion: 59 Resp: 850598
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.2



#18
1,1-Dichloroethene
Concen: 11.483 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

Tgt Ion: 96 Resp: 398193
Ion Ratio Lower Upper
96 100
61 172.1 132.4 198.6
98 64.6 51.6 77.4





#19

Isopropyl Alcohol

Concen: 11.064 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

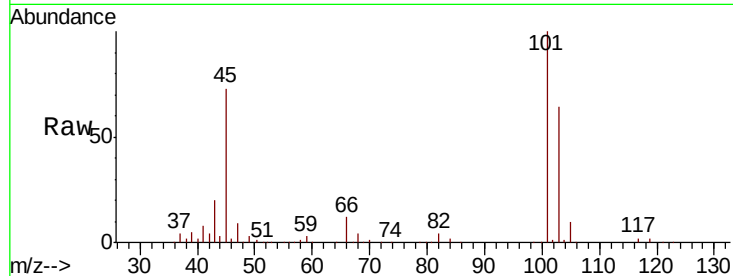
Acq: 30 Mar 2022 12:18

Tot Ion: 45 Resp: 447323

Ion Ratio Lower Upper

45 100

58 3.1 2.3 3.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

200000

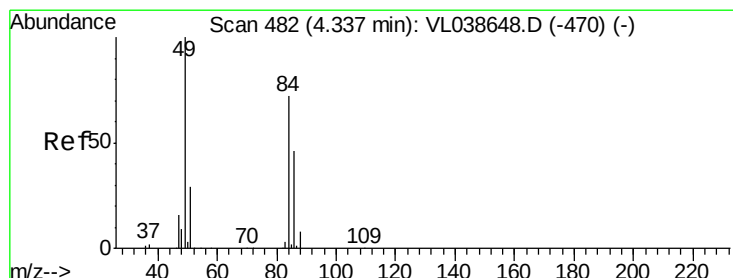
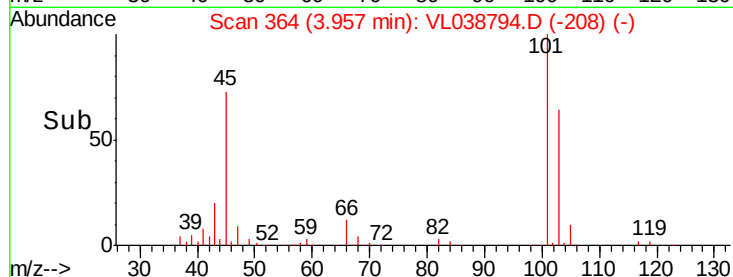
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 10.948 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

Tgt Ion: 84 Resp: 336291

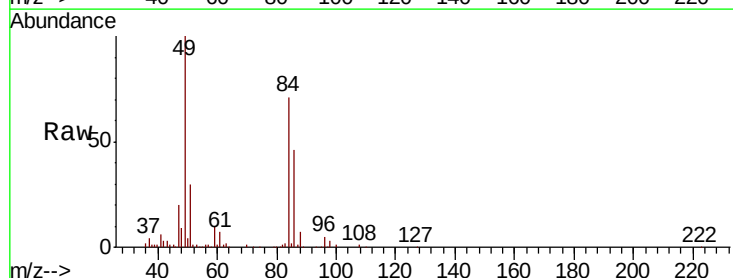
Ion Ratio Lower Upper

84 100

49 138.8 111.2 166.8

51 41.8 32.8 49.2

86 64.4 51.4 77.0



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

4.33

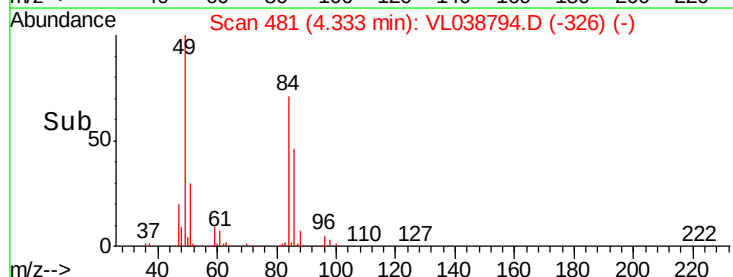
300000

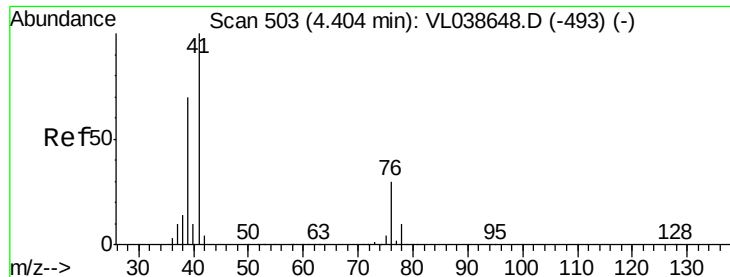
200000

100000

0

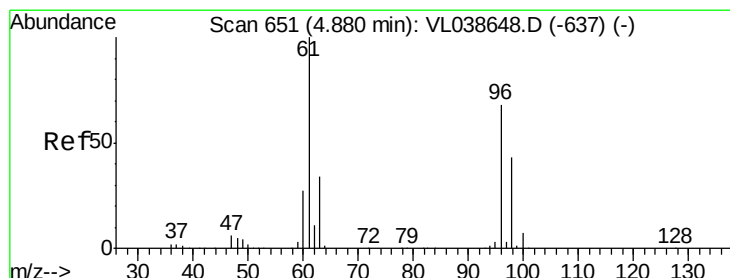
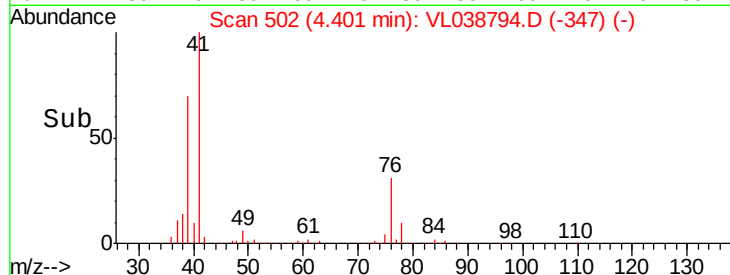
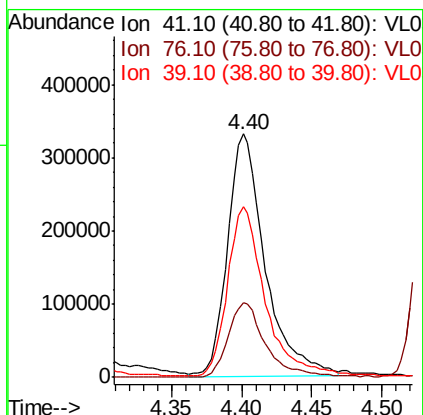
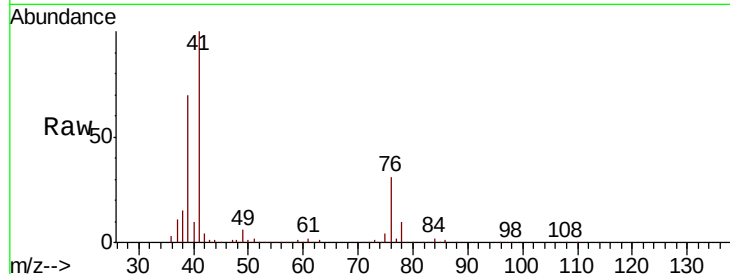
Time-->





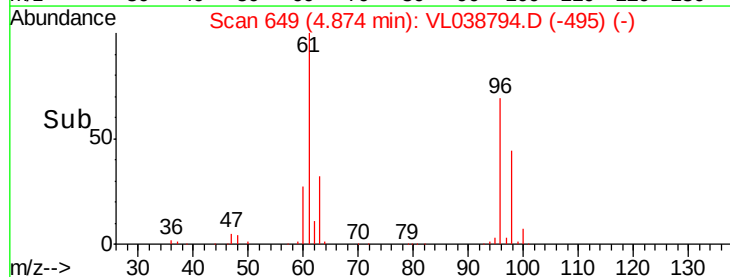
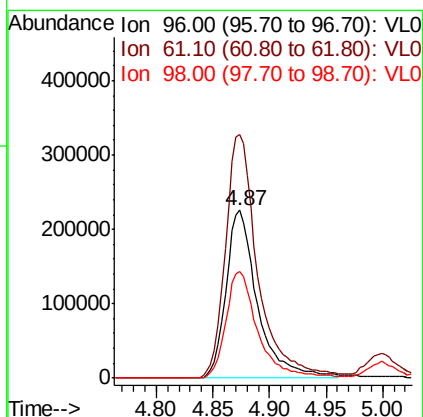
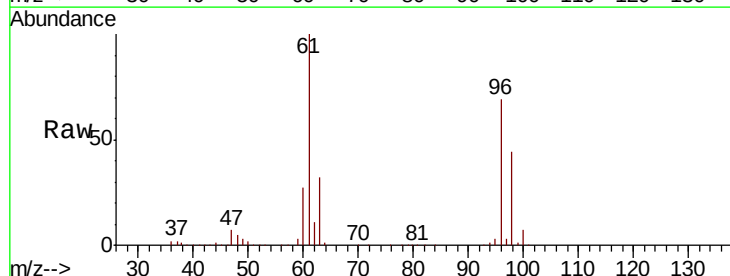
#21
 Allvl Chloride
 Concen: 11.785 ppbv
 RT: 4.40
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 12:18

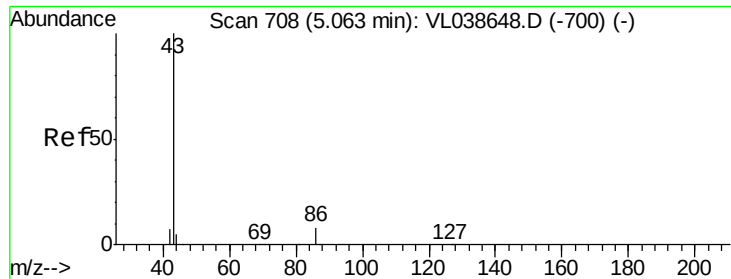
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.0	25.0	37.6
39	70.6	56.6	85.0



#22
 trans-1,2-Dichloroethene
 Concen: 12.178 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	118.3	177.5
98	63.6	51.3	76.9





#23

Vinyl Acetate

Concen: 12.743 ppbv

RT: 5.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

Tot Ion: 43 Resp: 899868

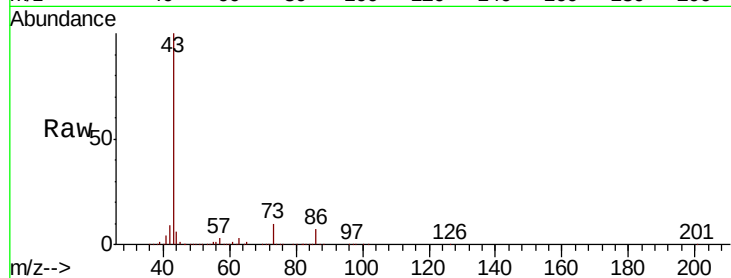
Ion Ratio Lower Upper

43 100

86 6.9 5.6 8.4

42 8.8 6.8 10.2

44 5.2 4.2 6.2

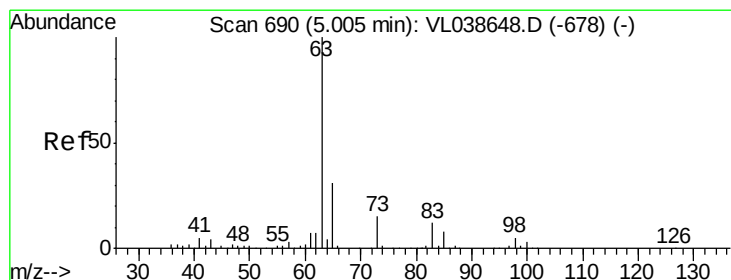
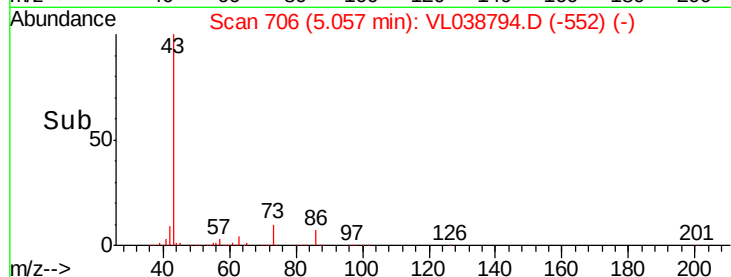
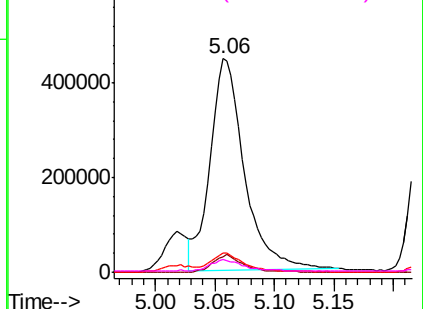


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.459 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

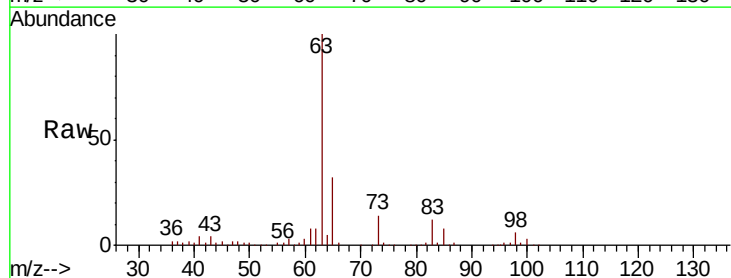
Tgt Ion: 63 Resp: 796884

Ion Ratio Lower Upper

63 100

98 5.3 2.5 7.5

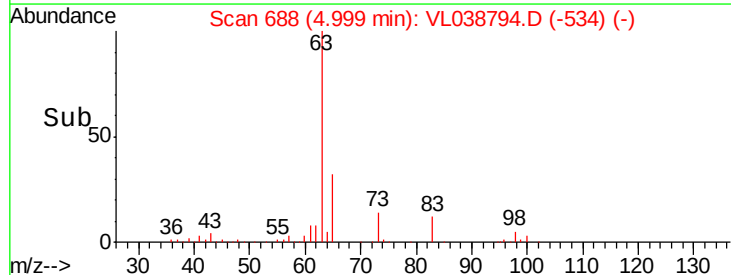
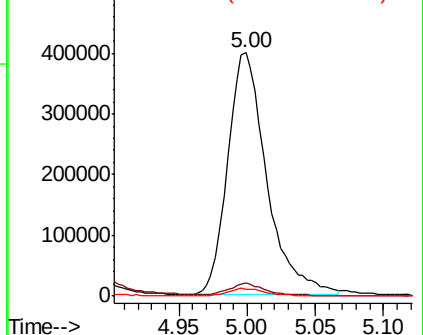
100 2.9 1.4 4.2

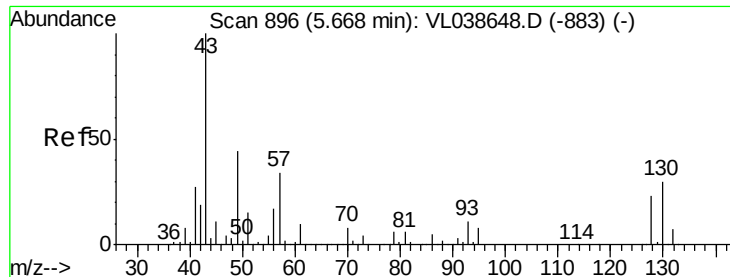


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

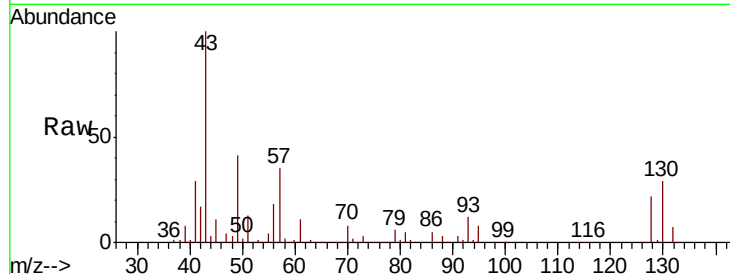




#25
Ethyl Acetate
Concen: 10.272 ppbv
RT: 5.66 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 12:18

Tot Ion: 43 Resp: 1885696

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	10.6	8.3	12.5
70	7.2	5.6	8.4



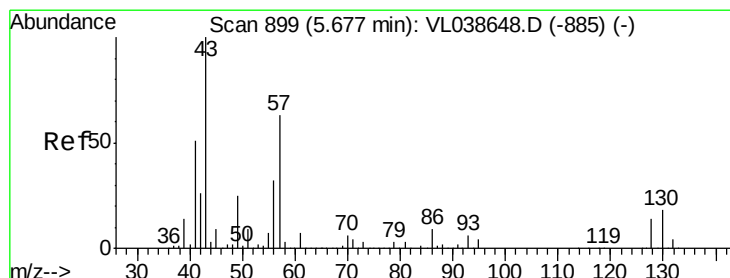
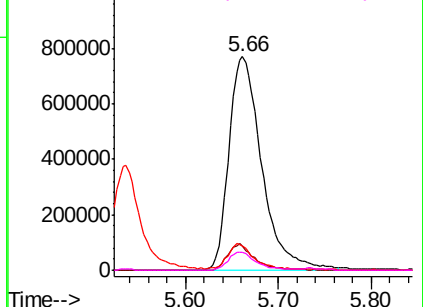
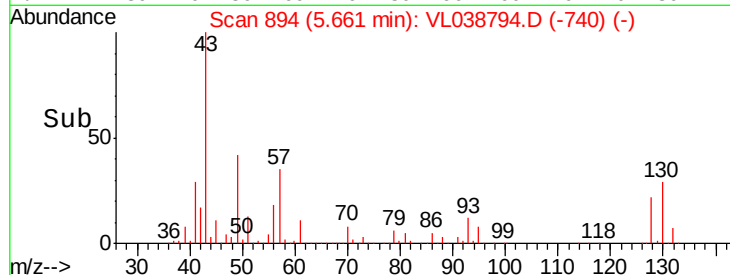
Abundance

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

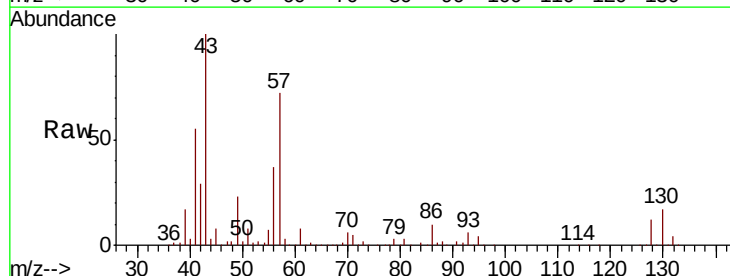
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.180 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: -0.00 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

Tgt Ion: 57 Resp: 836671

Ion	Ratio	Lower	Upper
57	100		
41	83.0	67.0	100.4
43	227.1	184.2	276.2
56	53.1	42.6	64.0



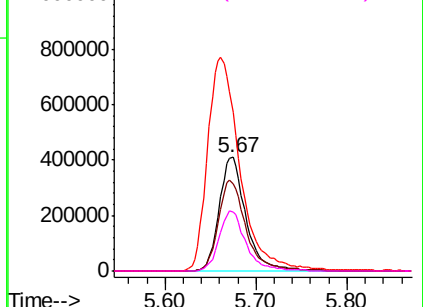
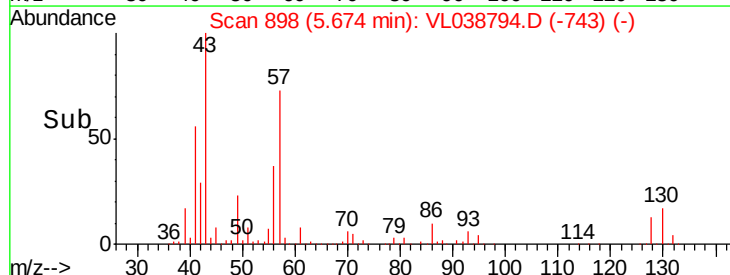
Abundance

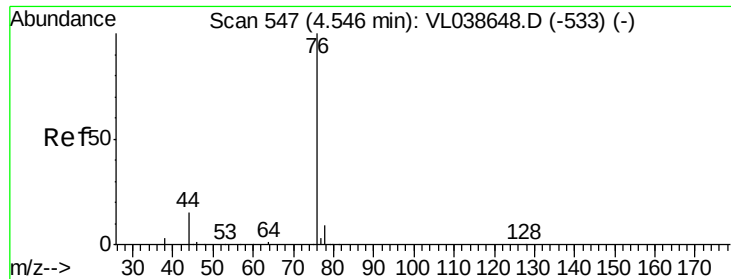
Ion 57.10 (56.80 to 57.80): VL0

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: 12.790 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

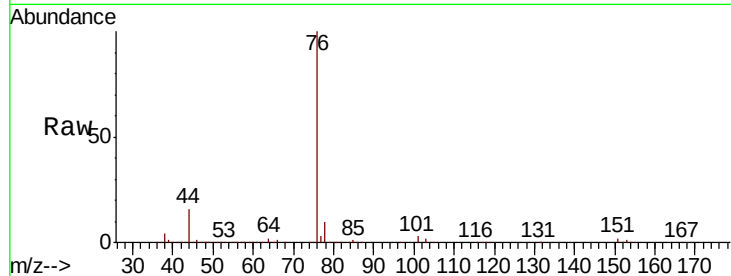
Tot Ion: 76 Resp: 1031195

Ion Ratio Lower Upper

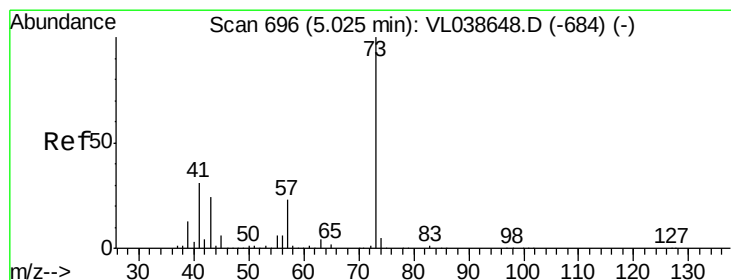
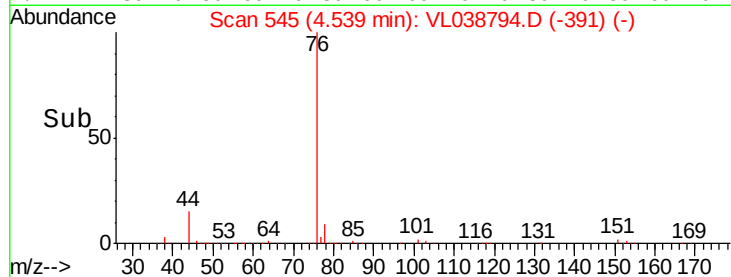
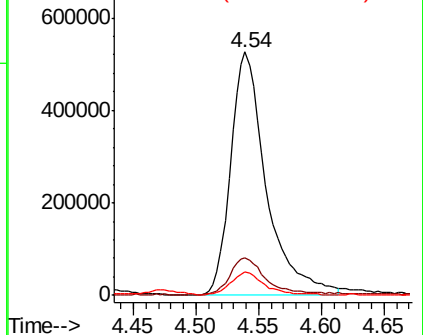
76 100

44 15.8 12.4 18.6

78 9.2 7.8 11.8



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: 12.242 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL038794.D

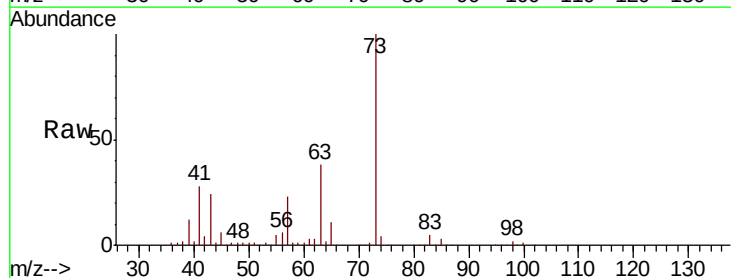
Acq: 30 Mar 2022 12:18

Tgt Ion: 73 Resp: 749475

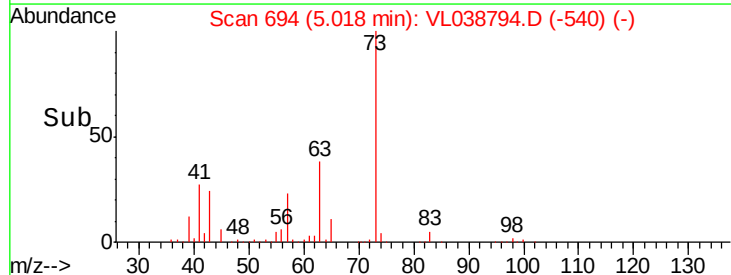
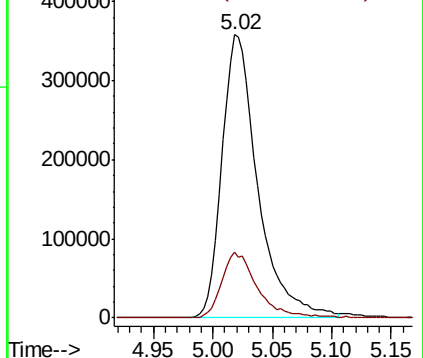
Ion Ratio Lower Upper

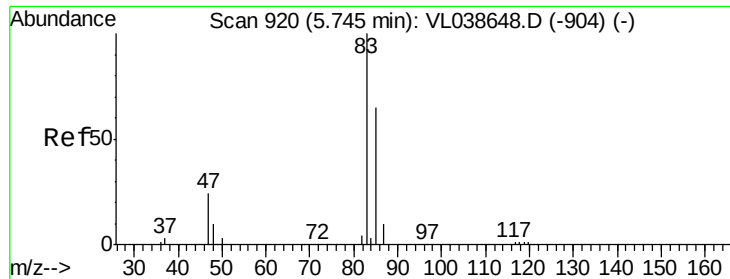
73 100

57 23.3 19.2 28.8



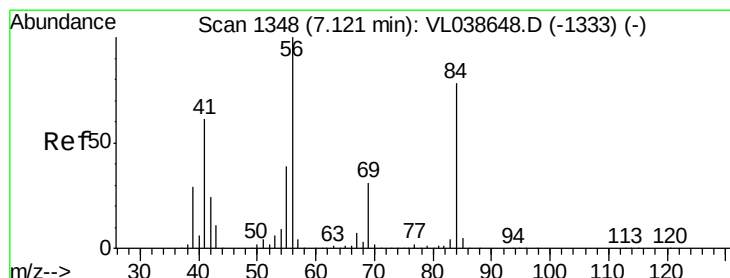
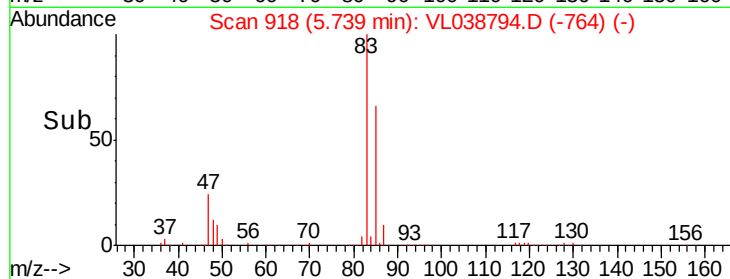
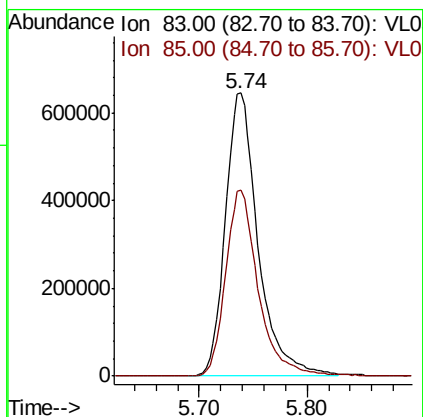
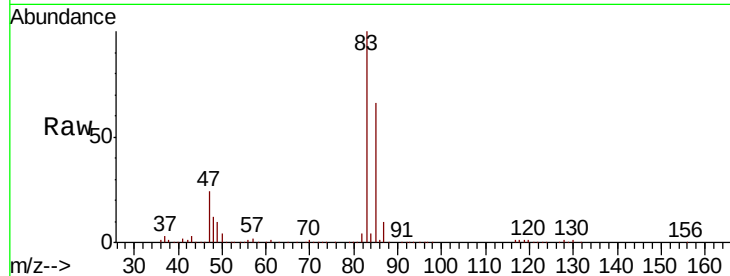
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





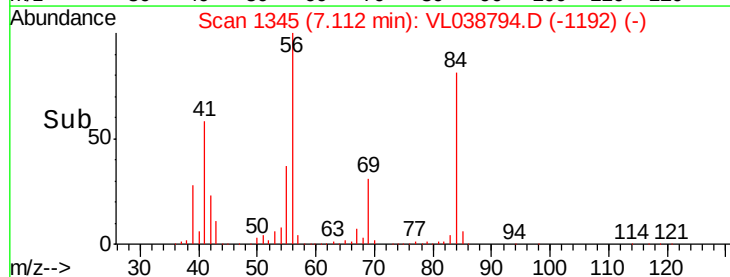
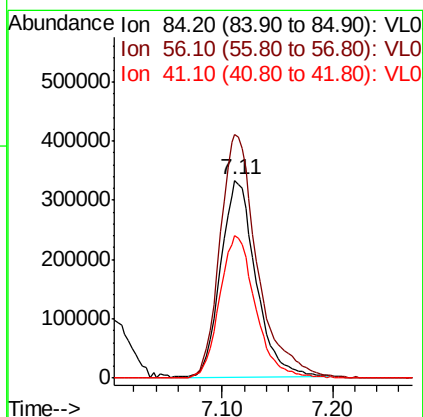
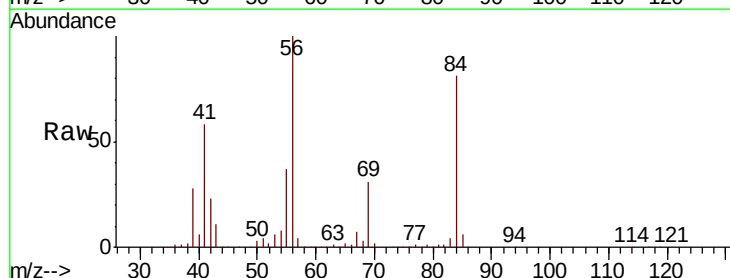
#29
Chloroform
Concen: 10.347 ppbv
RT: 5.74
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 30 Mar 2022 12:18

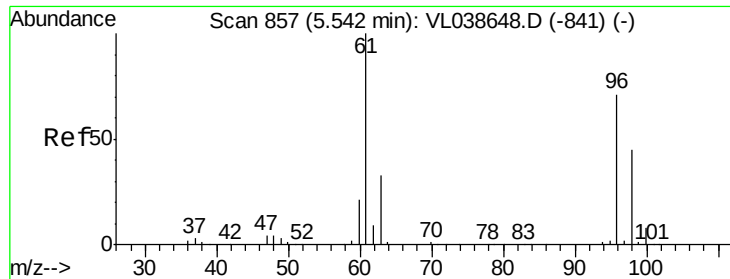
Tot Ion: 83 Resp: 1361574
Ion Ratio Lower Upper
83 100
85 65.8 51.7 77.5



#30
Cyclohexane
Concen: 10.287 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.01 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

Tgt Ion: 84 Resp: 735092
Ion Ratio Lower Upper
84 100
56 132.1 108.2 162.4
41 74.2 61.8 92.6





#31

cis-1,2-Dichloroethene

Concen: 10.091 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

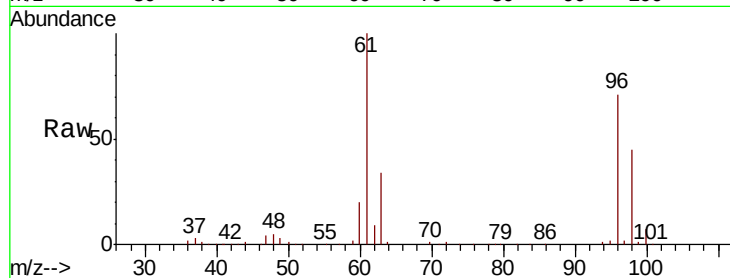
Tot Ion: 61 Resp: 779837

Ion Ratio Lower Upper

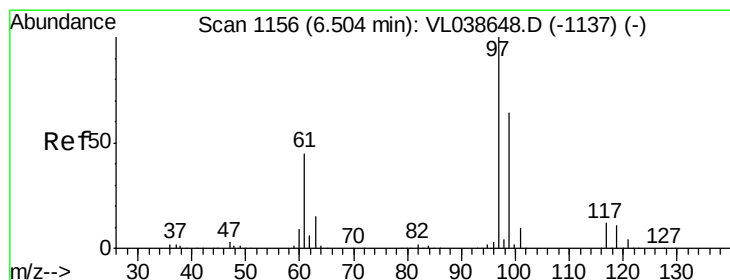
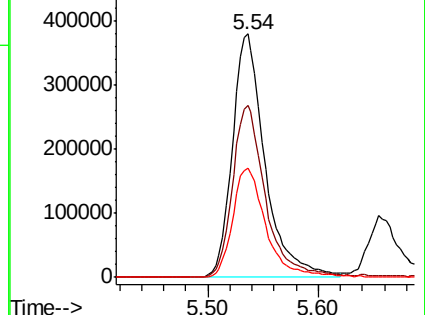
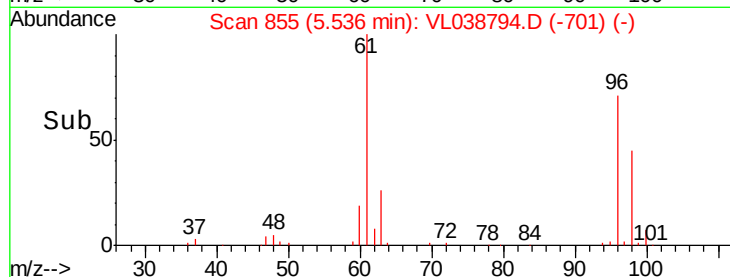
61 100

96 70.8 56.6 84.8

98 44.8 36.3 54.5



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: 10.786 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

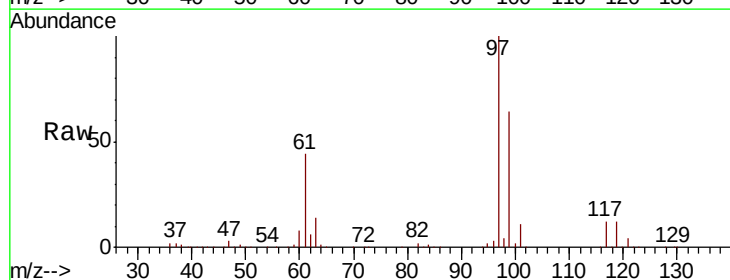
Tgt Ion: 97 Resp: 1369813

Ion Ratio Lower Upper

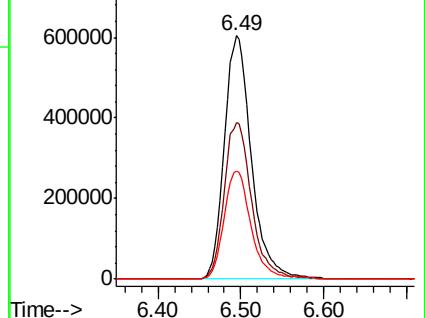
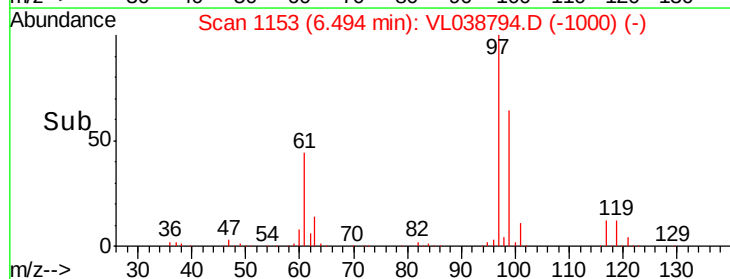
97 100

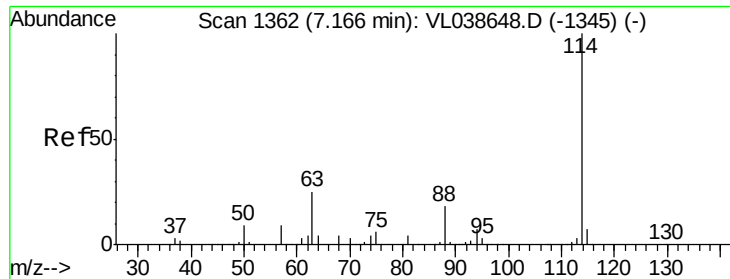
99 65.2 51.8 77.8

61 44.4 36.7 55.1



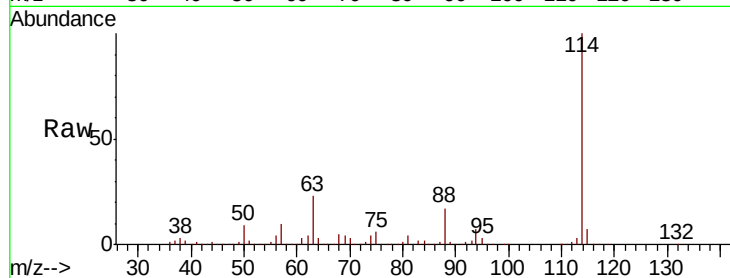
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



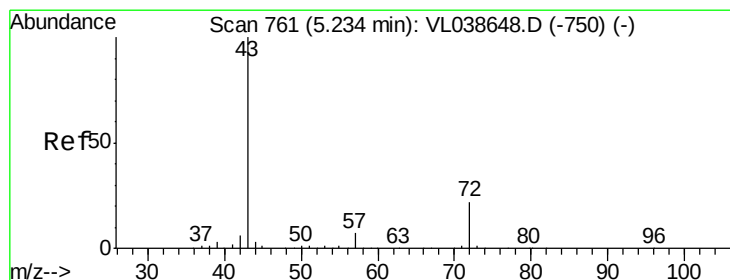
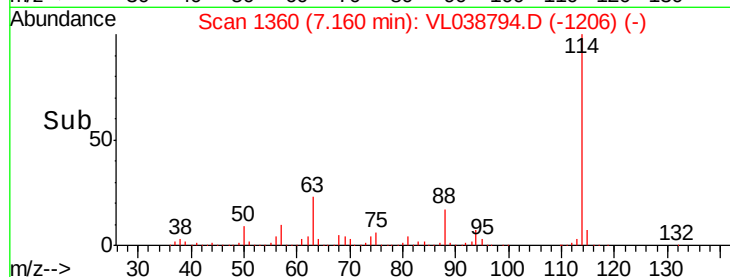
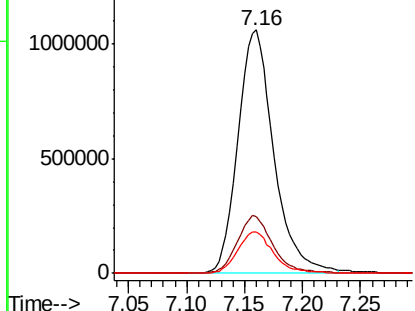


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 12:18

Tot Ion:114 Resp: 2276939
 Ion Ratio Lower Upper
 114 100
 63 23.7 19.4 29.0
 88 17.1 13.9 20.9

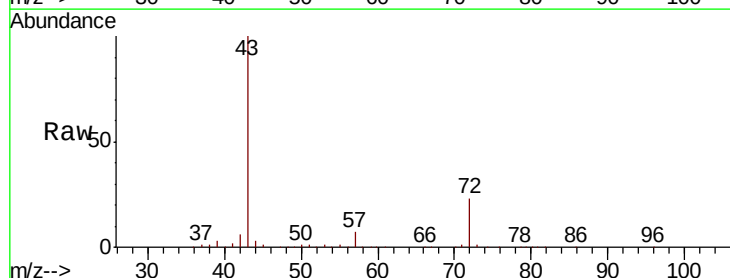


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

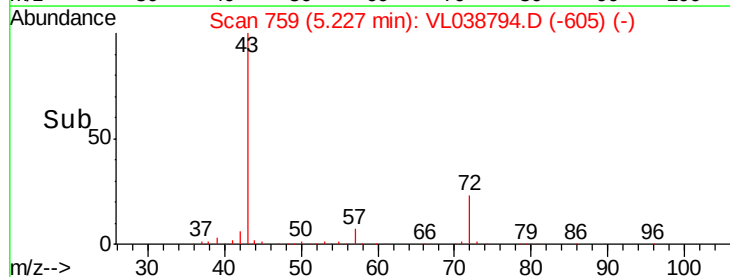
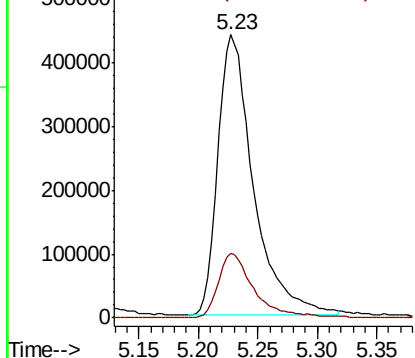


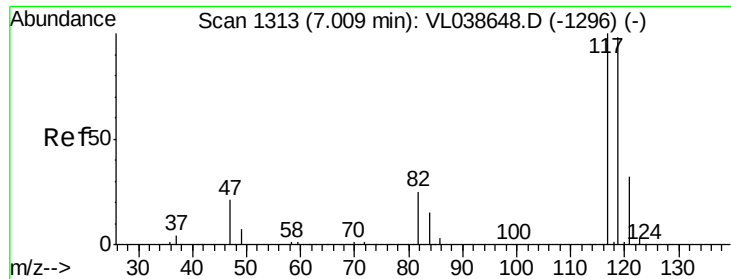
#34
 2-Butanone
 Concen: 10.146 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

Tgt Ion: 43 Resp: 914358
 Ion Ratio Lower Upper
 43 100
 72 23.6 17.8 26.8



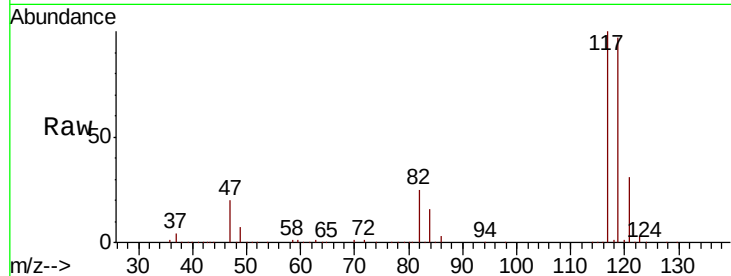
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0



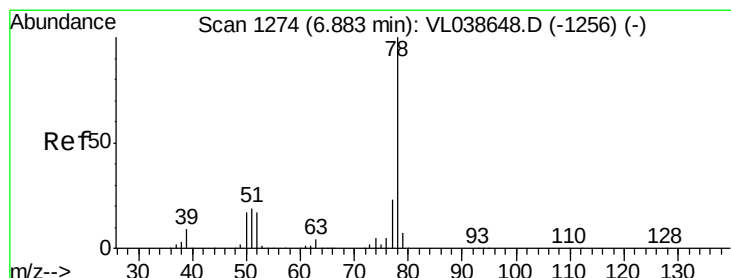
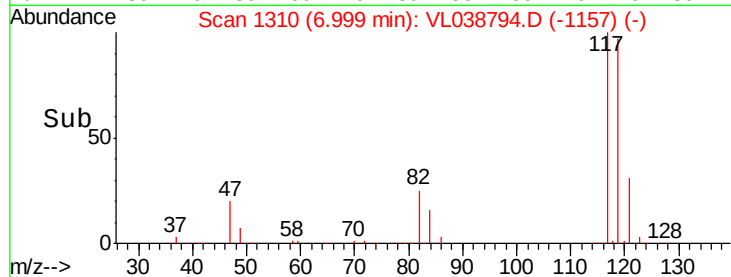
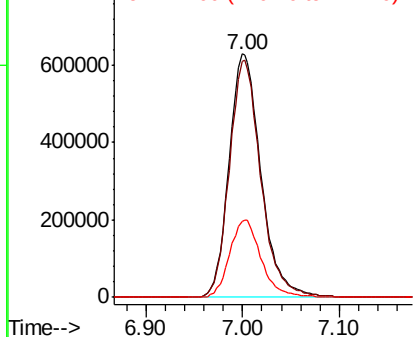


#35
Carbon Tetrachloride
Concen: 10.899 ppbv
RT: 7.00
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 12:18

Tot Ion:117 Resp: 1439892
Ion Ratio Lower Upper
117 100
119 97.0 78.1 117.1
121 31.2 25.8 38.6

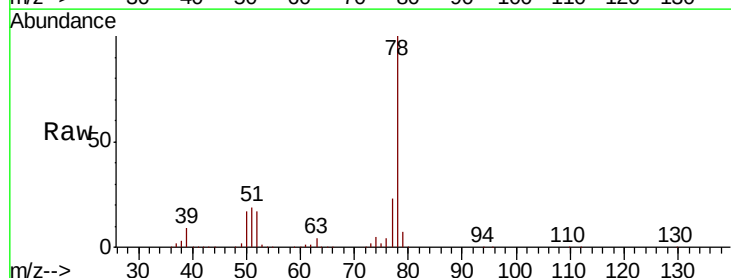


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

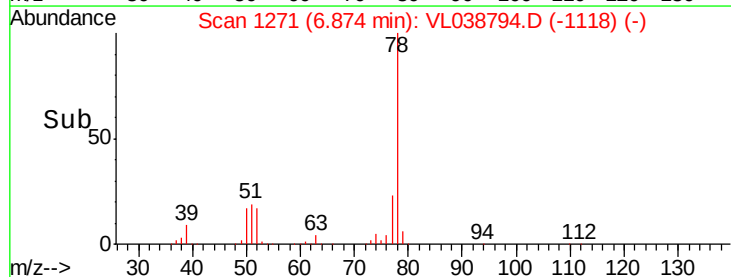
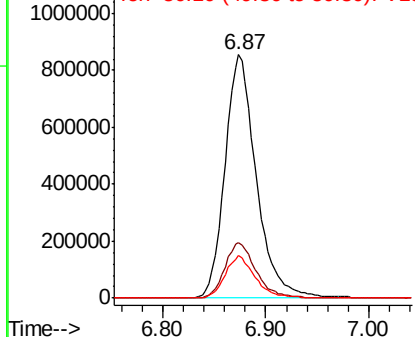


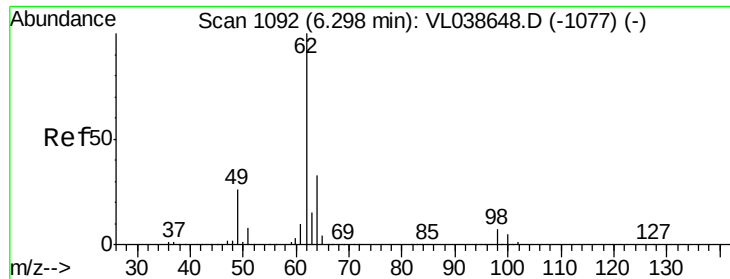
#36
Benzene
Concen: 10.292 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

Tgt Ion: 78 Resp: 1808609
Ion Ratio Lower Upper
78 100
77 22.7 18.1 27.1
50 17.3 13.6 20.4



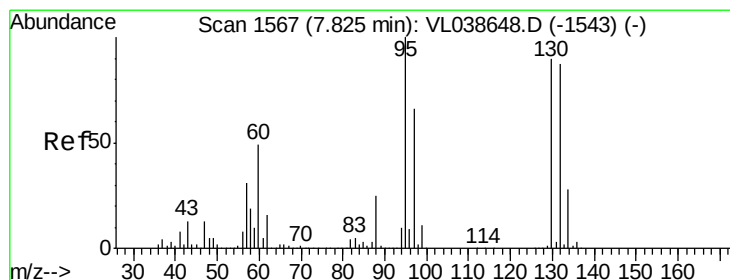
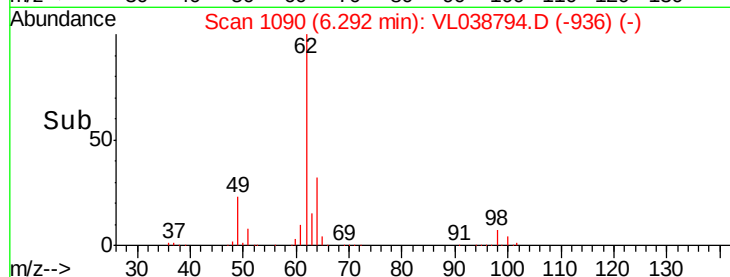
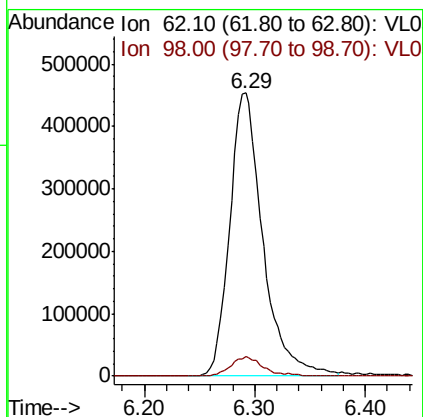
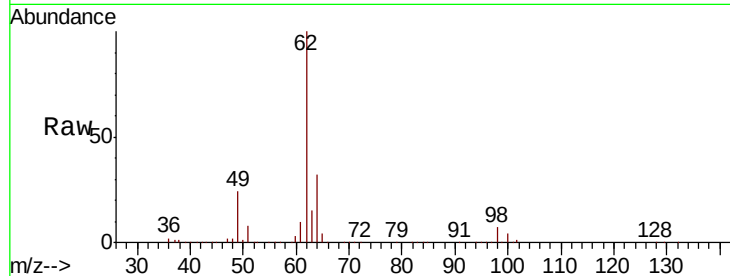
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





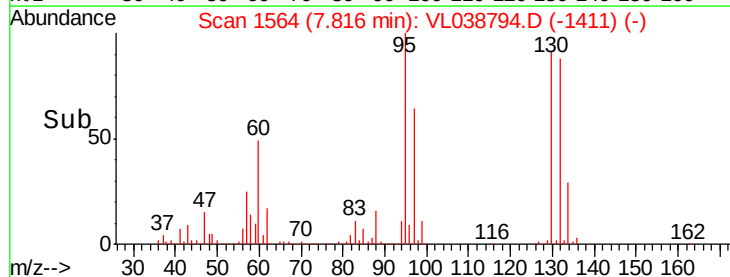
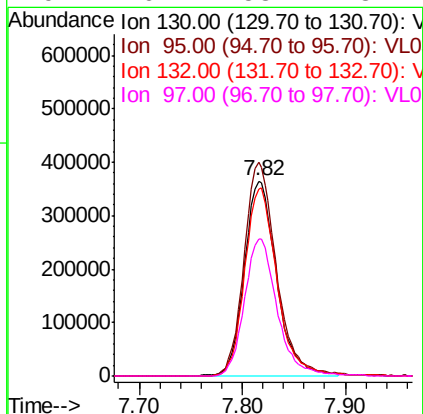
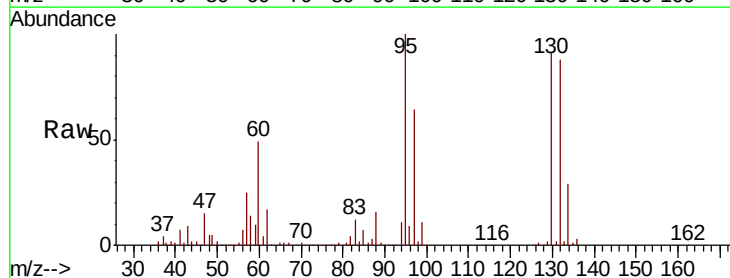
#37
 1,2-Dichloroethane
 Concen: 10.604 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 12:18

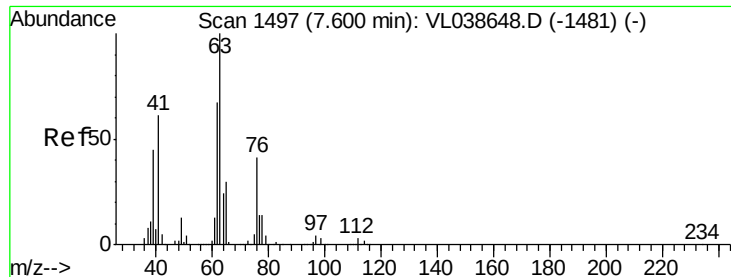
Tot Ion: 62 Resp: 947876
 Ion Ratio Lower Upper
 62 100
 98 7.0 5.6 8.4



#38
 Trichloroethene
 Concen: 10.782 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

Tgt Ion:130 Resp: 793709
 Ion Ratio Lower Upper
 130 100
 95 109.7 88.9 133.3
 132 96.2 77.4 116.0
 97 70.2 58.2 87.4





#39

1,2-Dichloropropane

Concen: 10.034 ppbv

RT: 7.59 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

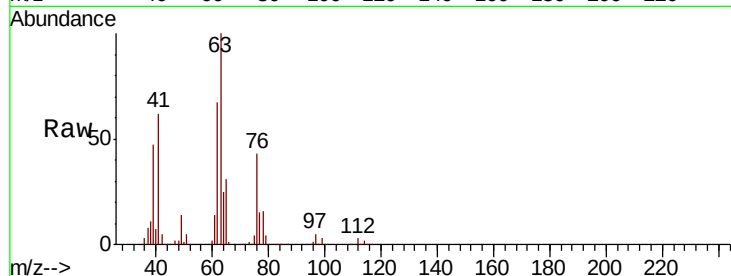
Tot Ion: 63 Resp: 689322

Ion Ratio Lower Upper

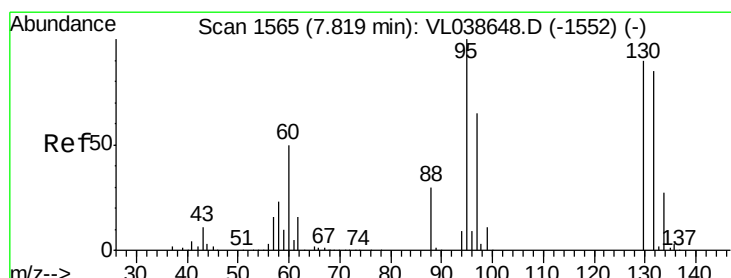
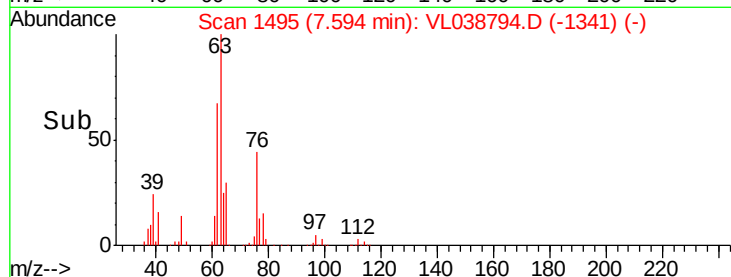
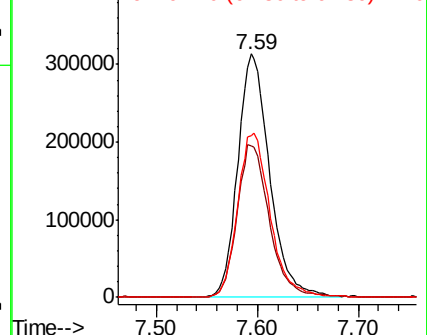
63 100

41 62.2 49.0 73.6

62 66.4 53.9 80.9



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 7.249 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

Tgt Ion: 88 Resp: 172947

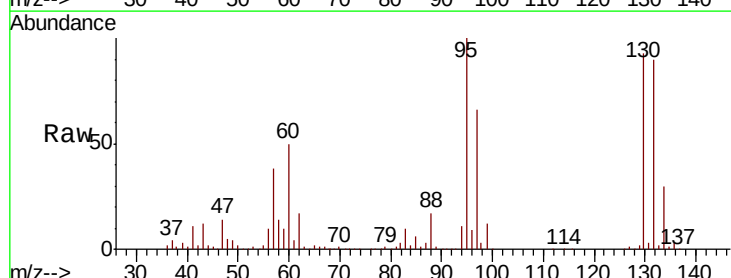
Ion Ratio Lower Upper

88 100

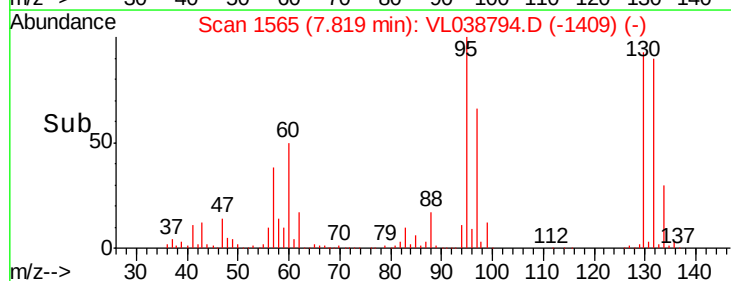
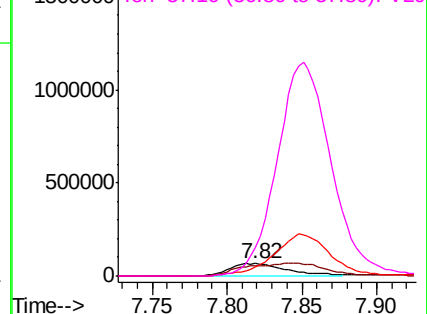
58 160.7 105.6 158.4#

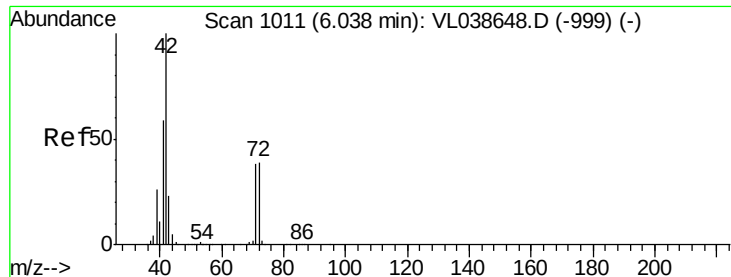
43 345.3 201.9 302.9#

57 1685.1 942.1 1413.1#



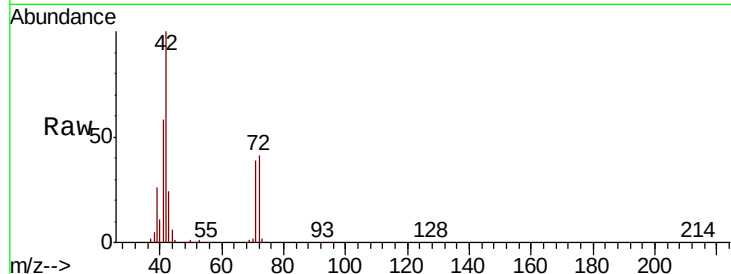
Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41
Tetrahydrofuran
Concen: 10.192 ppbv
RT: 6.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 12:18

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	32.5	48.7
71	40.5	31.4	47.2

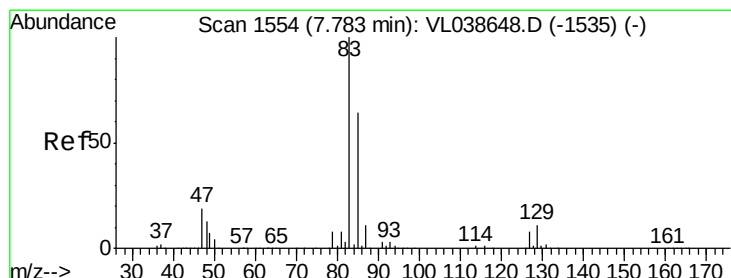
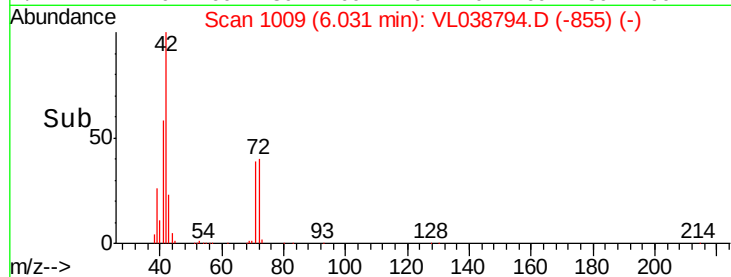
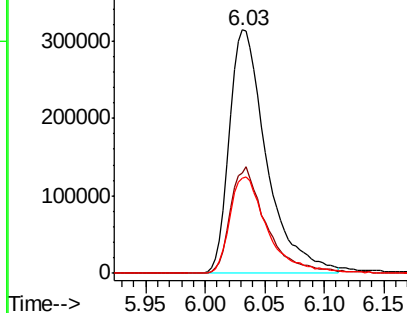


Abundance

Ion 42.10 (41.80 to 42.80): VL0

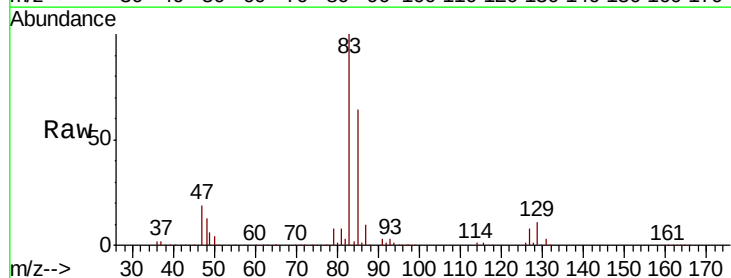
Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42
Bromodichloromethane
Concen: 10.944 ppbv
RT: 7.77 min Scan# 1550
Delta R.T.: -0.01 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.1	76.7
127	8.1	6.5	9.7

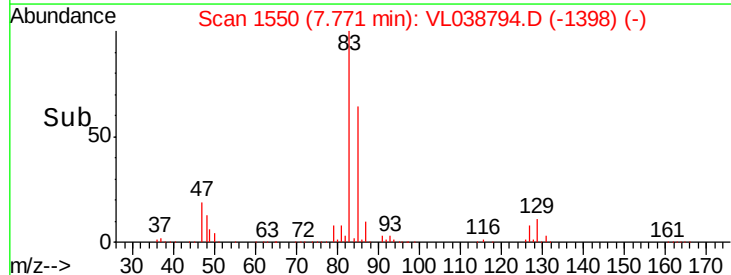
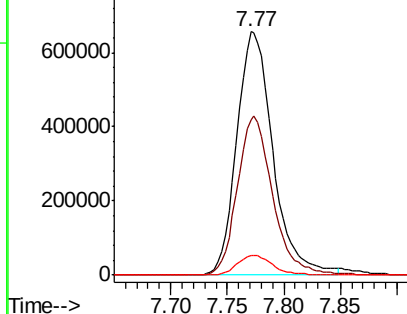


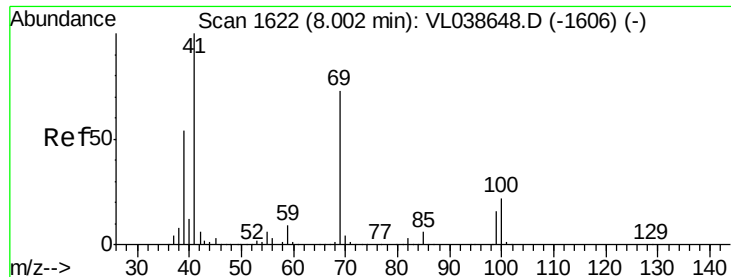
Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.053 ppbv

RT: 8.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 30 Mar 2022 12:18

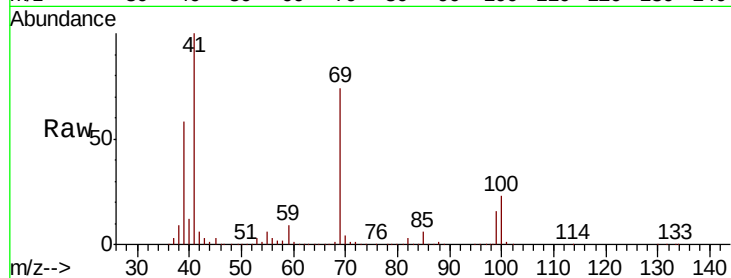
Tot Ion: 69 Resp: 721105

Ion Ratio Lower Upper

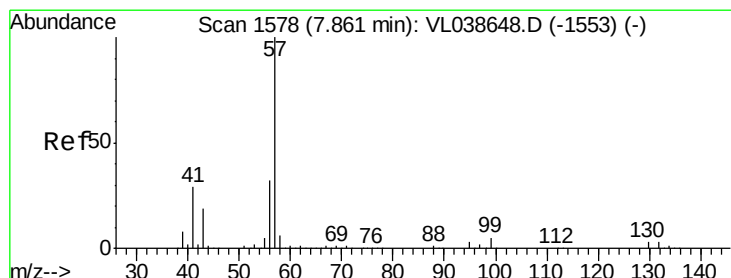
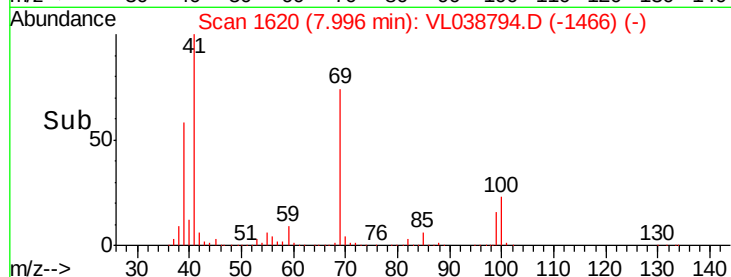
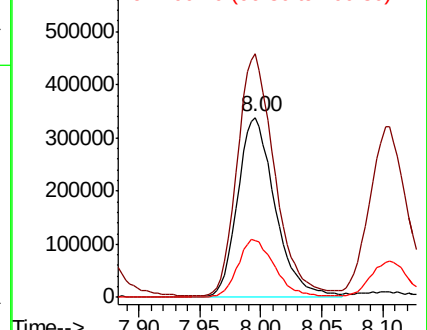
69 100

41 135.8 110.3 165.5

100 32.0 24.8 37.2



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: 9.864 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

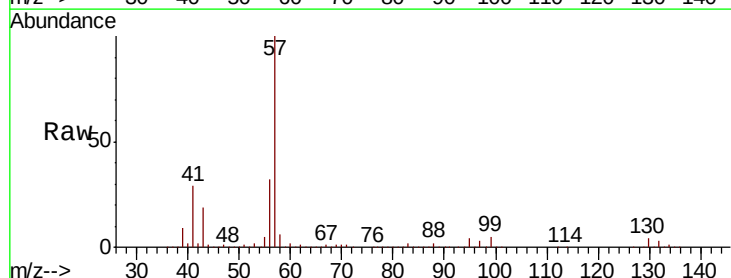
Tgt Ion: 57 Resp: 2910549

Ion Ratio Lower Upper

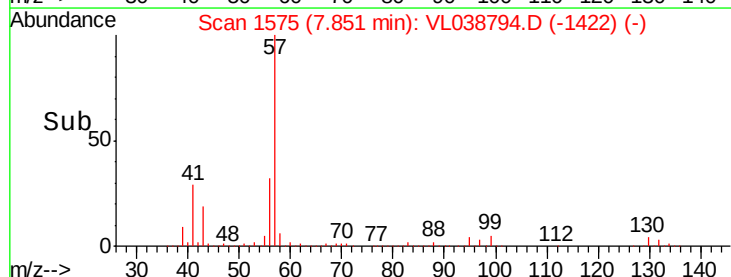
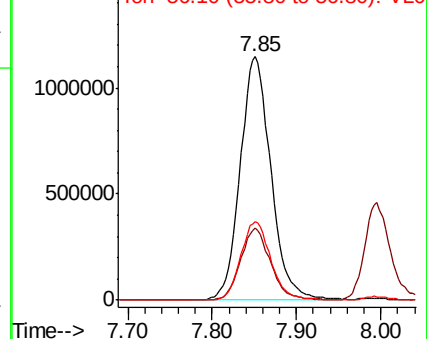
57 100

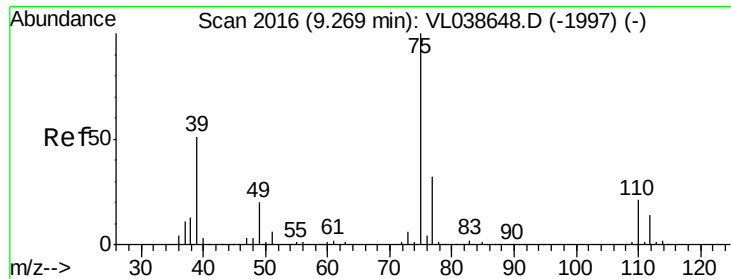
41 28.8 23.0 34.4

56 31.7 25.3 37.9



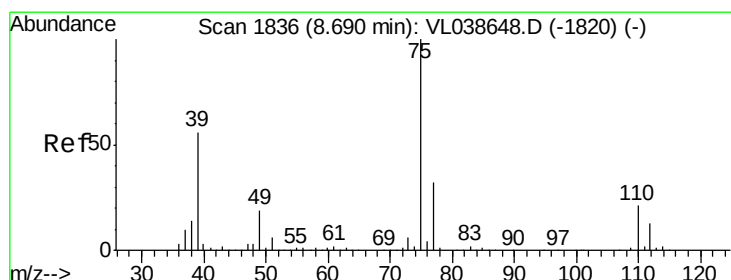
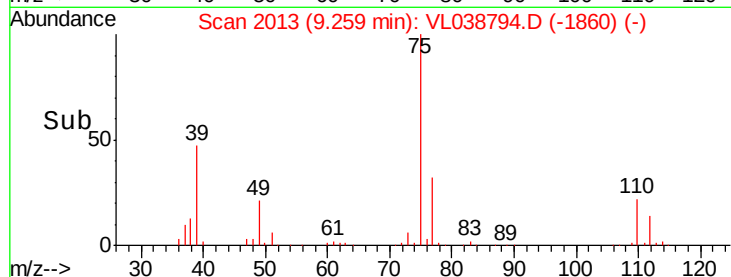
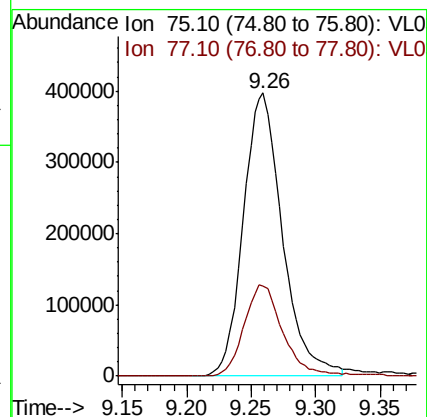
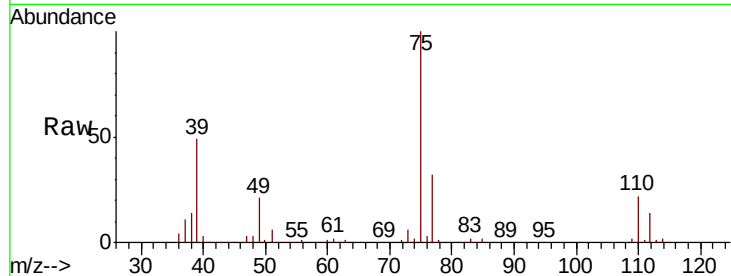
Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





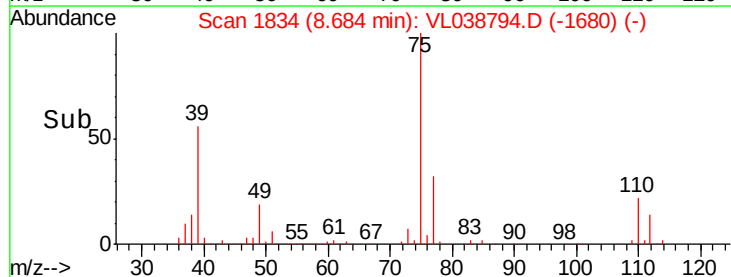
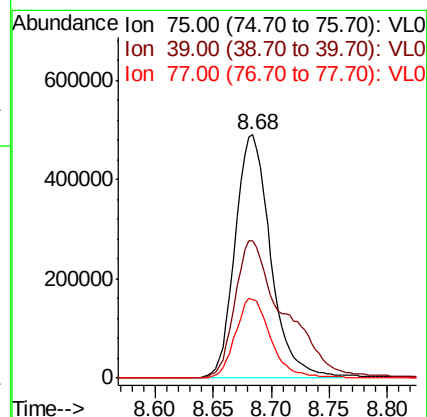
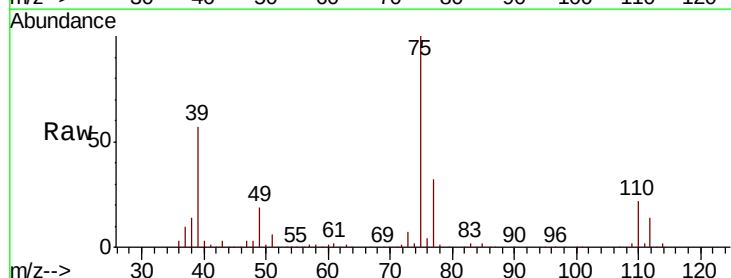
#45
 t-1,3-Dichloropropene
 Concen: 12.616 ppbv
 RT: 9.26
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 12:18

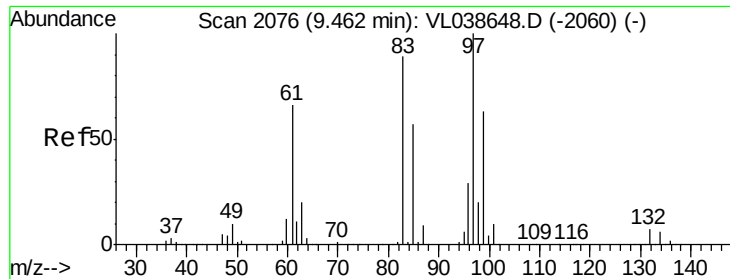
Tot Ion: 75 Resp: 836862
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.5 38.3



#46
 cis-1,3-Dichloropropene
 Concen: 11.621 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

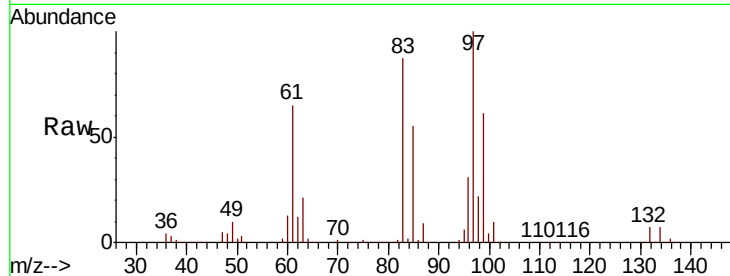
Tgt Ion: 75 Resp: 1042432
 Ion Ratio Lower Upper
 75 100
 39 56.6 44.8 67.2
 77 32.4 25.4 38.0





#47
 1,1,2-Trichloroethane
 Concen: 10.207 ppbv
 RT: 9.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 12:18

Tot Ion:	97	Resp:	748642
Ion	Ratio	Lower	Upper
97	100		
83	87.1	71.2	106.8
85	55.3	45.3	67.9
99	61.3	50.6	76.0



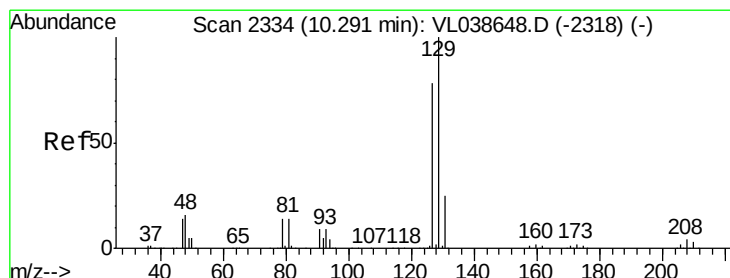
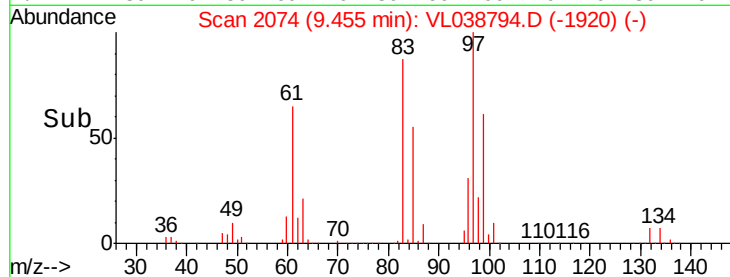
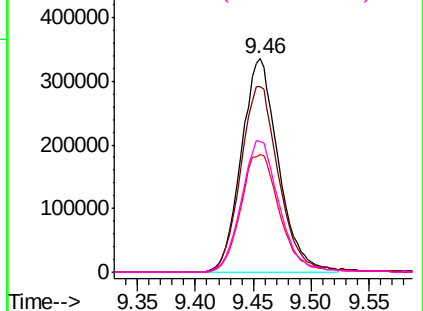
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

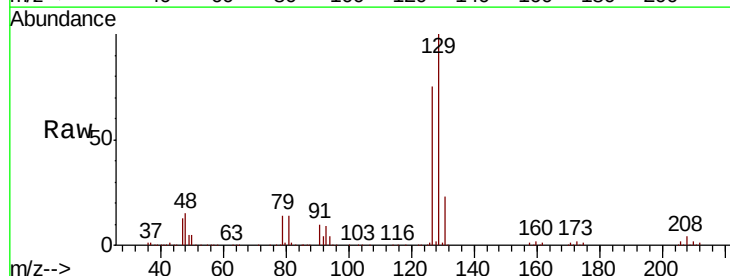
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.390 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

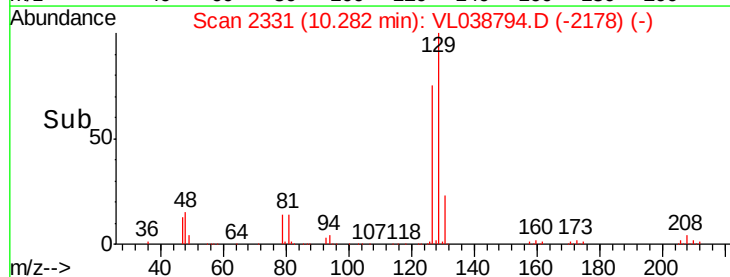
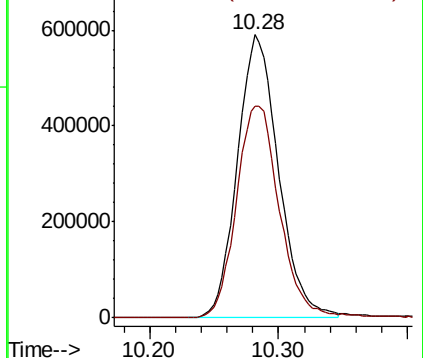
Tgt Ion:	129	Resp:	1308610
Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.5	118.5

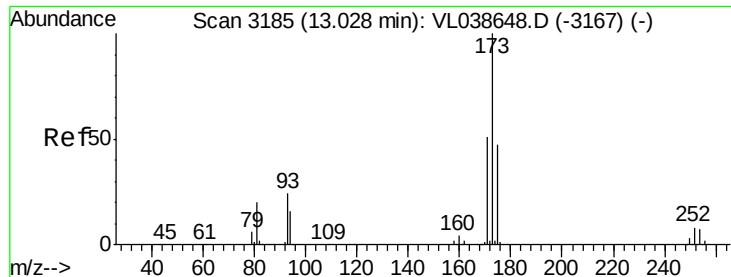


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.528 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 12:18

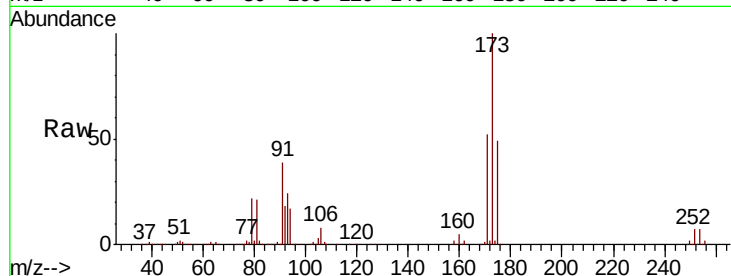
Tot Ion:173 Resp: 1079433

Ion Ratio Lower Upper

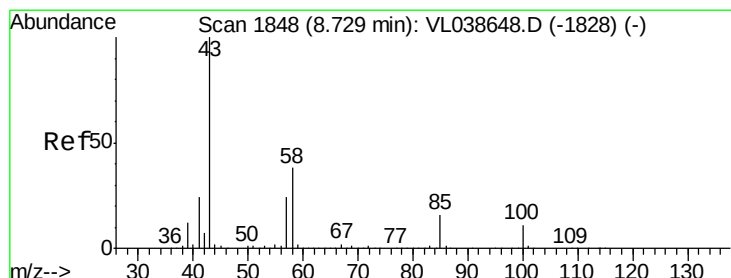
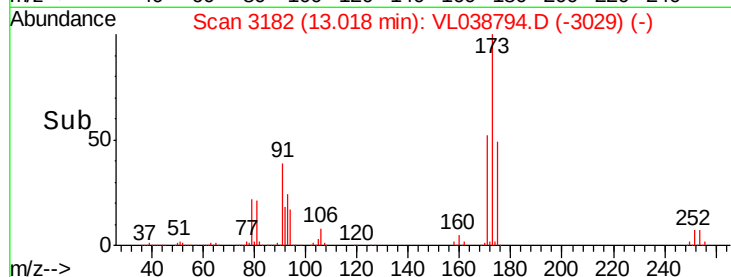
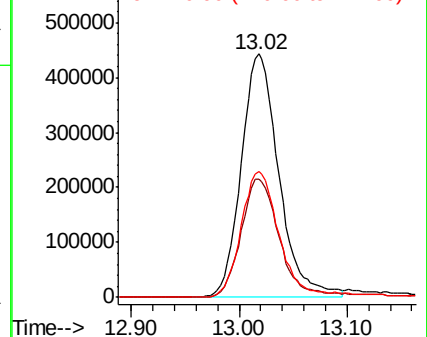
173 100

175 51.9 41.0 61.6

171 54.5 43.1 64.7



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: 10.429 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL038794.D

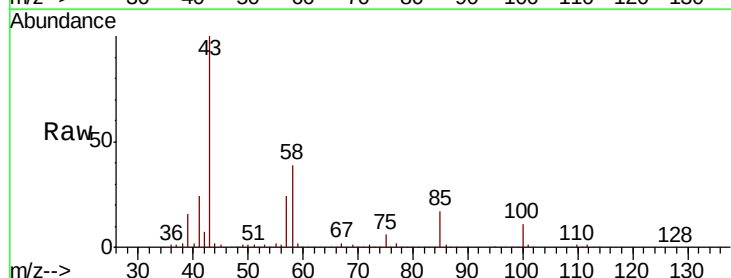
Acq: 30 Mar 2022 12:18

Tgt Ion: 43 Resp: 1747286

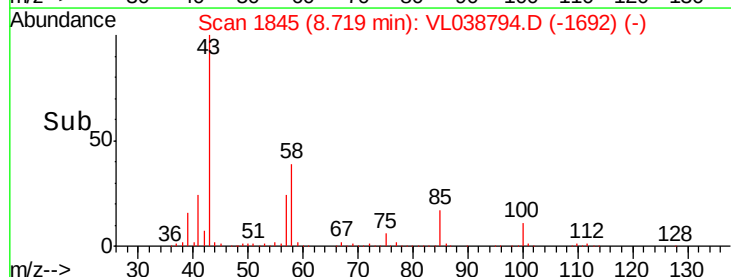
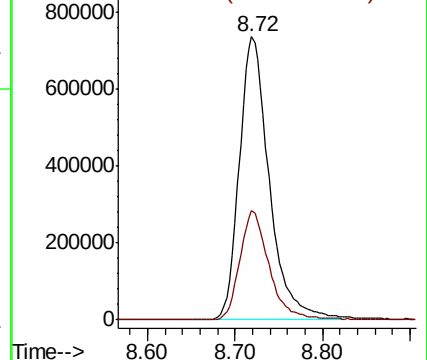
Ion Ratio Lower Upper

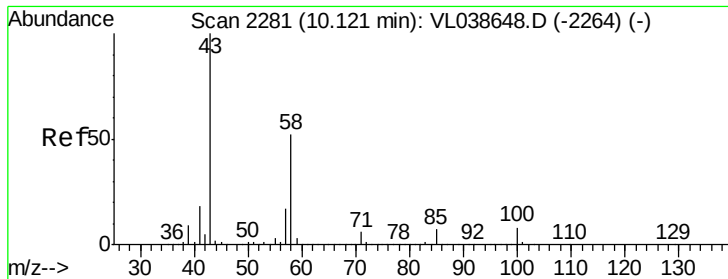
43 100

58 38.0 29.9 44.9



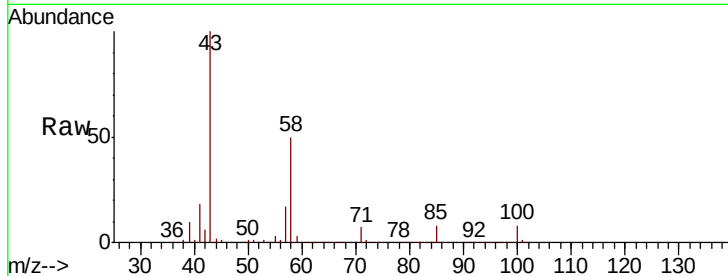
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0



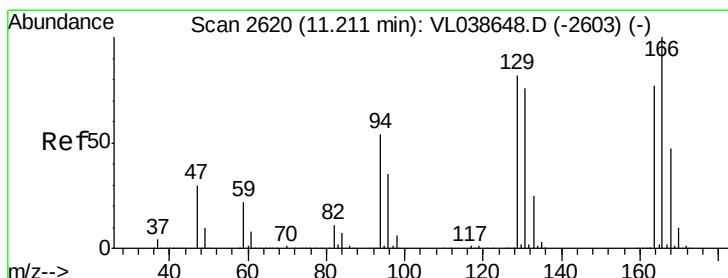
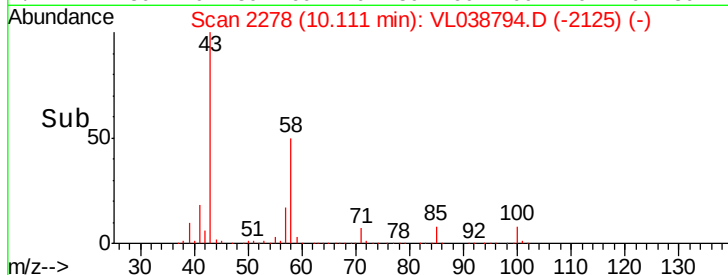
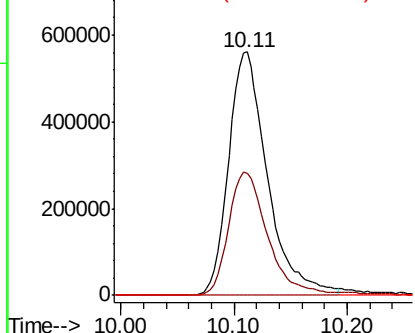


#51
2-Hexanone
Concen: 11.135 ppbv
RT: 10.11 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 12:18

Tot Ion: 43 Resp: 1340054
Ion Ratio Lower Upper
43 100
58 52.5 41.2 61.8
98 0.2 0.2 0.4#

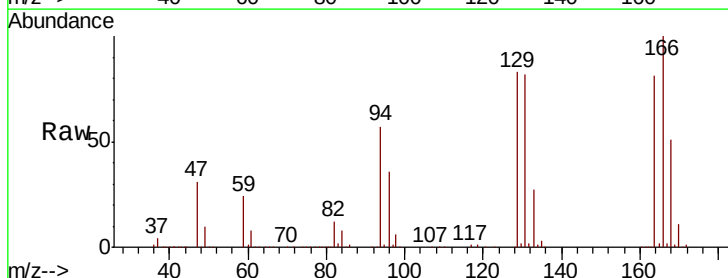


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

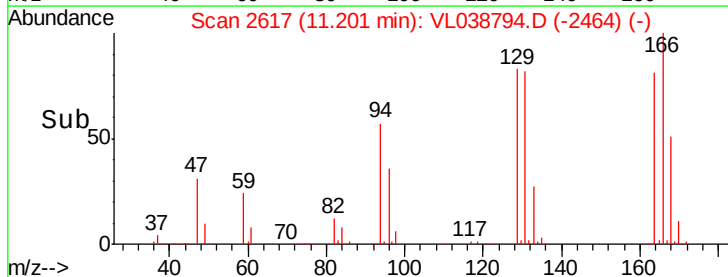
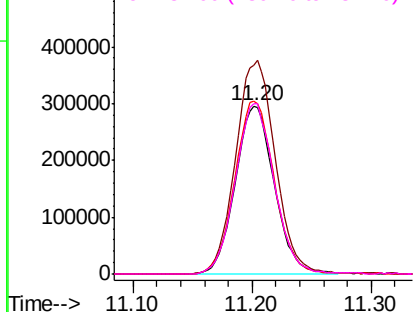


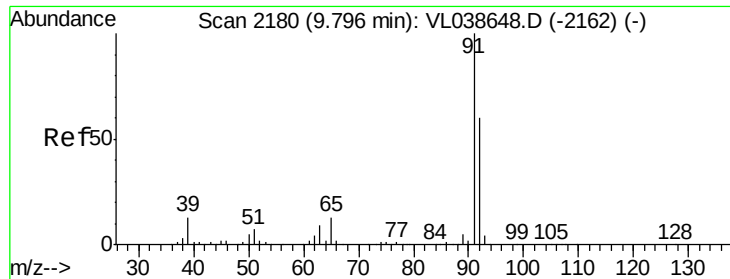
#52
Tetrachloroethene
Concen: 10.400 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.01 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

Tgt Ion:164 Resp: 668773
Ion Ratio Lower Upper
164 100
166 124.2 103.3 154.9
129 102.9 85.2 127.8
131 101.3 78.3 117.5



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: 10.968 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

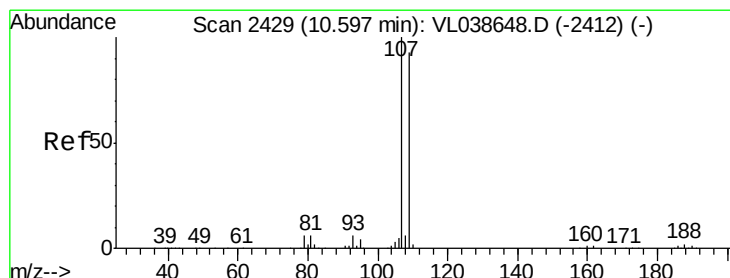
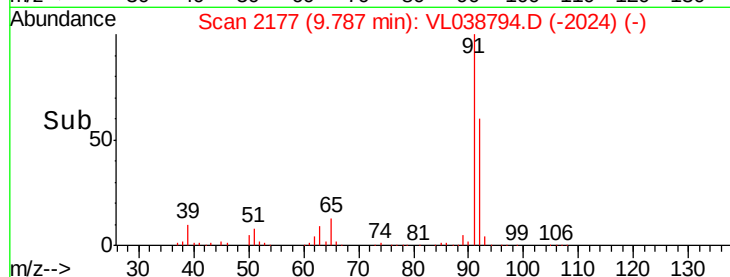
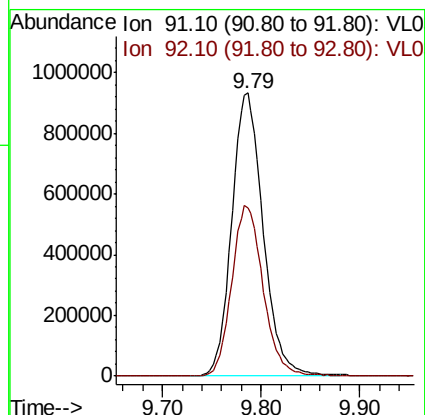
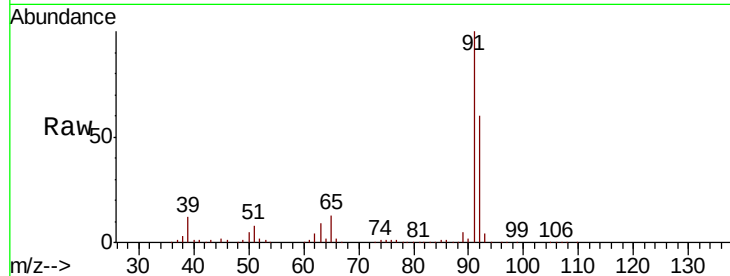
Acq: 30 Mar 2022 12:18

Tot Ion: 91 Resp: 2070911

Ion Ratio Lower Upper

91 100

92 60.6 48.7 73.1



#54

1,2-Dibromoethane

Concen: 11.118 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.01 min

Lab File: VL038794.D

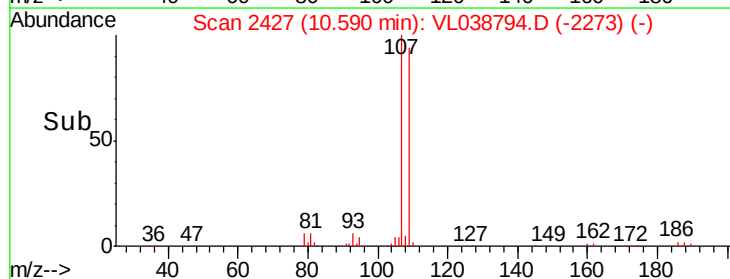
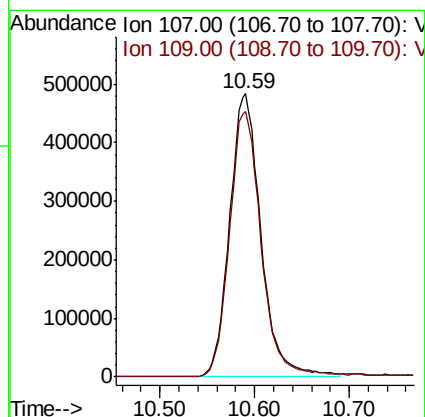
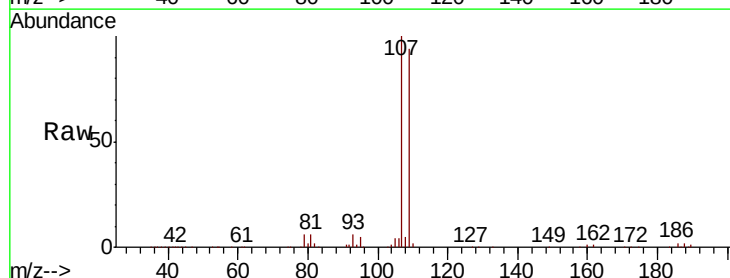
Acq: 30 Mar 2022 12:18

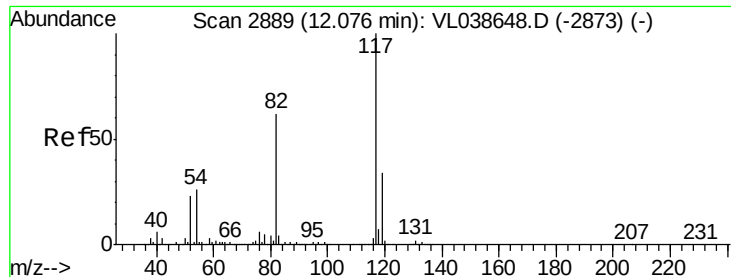
Tgt Ion:107 Resp: 1113507

Ion Ratio Lower Upper

107 100

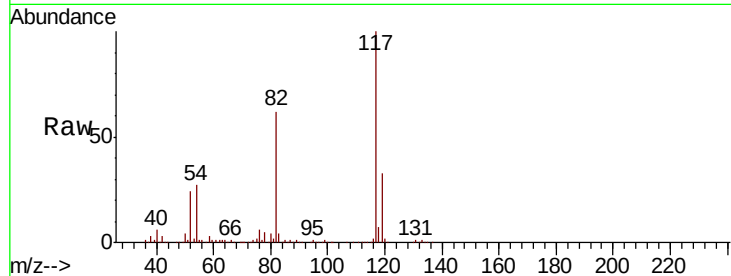
109 93.8 74.1 111.1



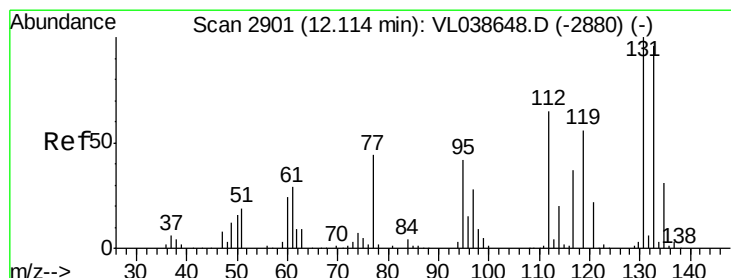
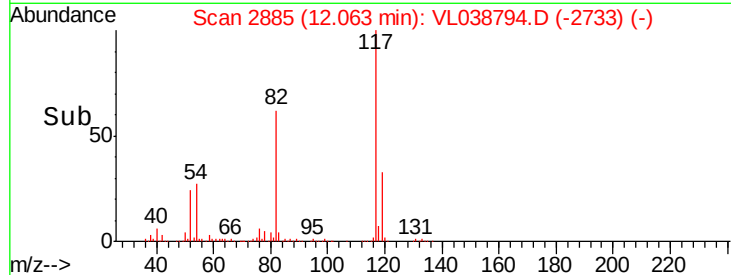
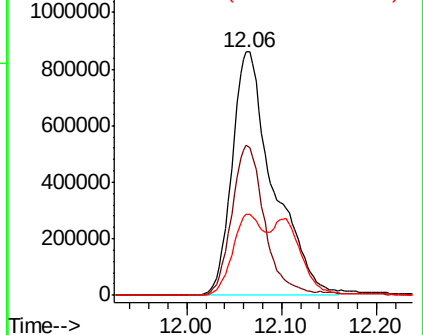


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 12:18

Tot Ion:117 Resp: 2612624
Ion Ratio Lower Upper
117 100
82 50.4 51.6 77.4#
119 25.2 26.9 40.3#

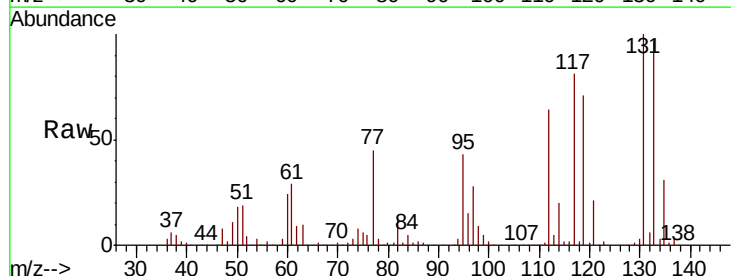


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

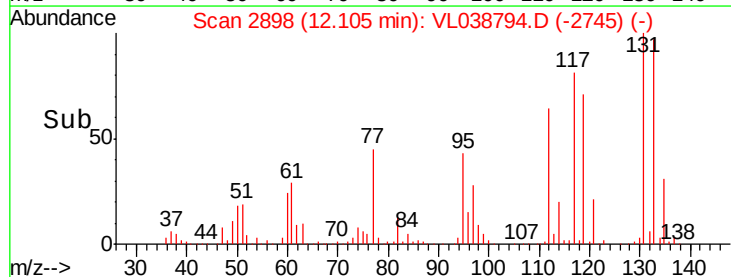
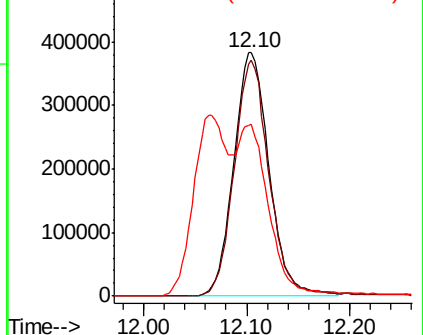


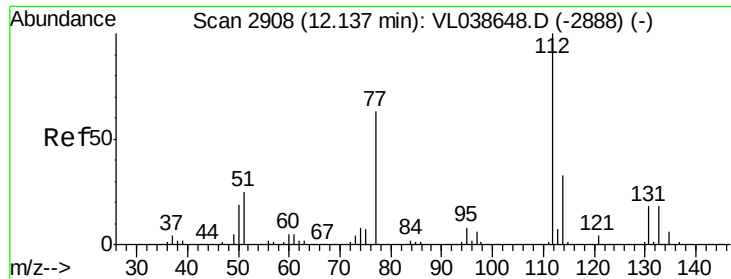
#56
1,1,1,2-Tetrachloroethane
Concen: 8.441 ppbv
RT: 12.10 min Scan# 2898
Delta R.T.: -0.01 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

Tgt Ion:131 Resp: 914330
Ion Ratio Lower Upper
131 100
133 96.9 77.3 115.9
119 66.9 53.0 79.6



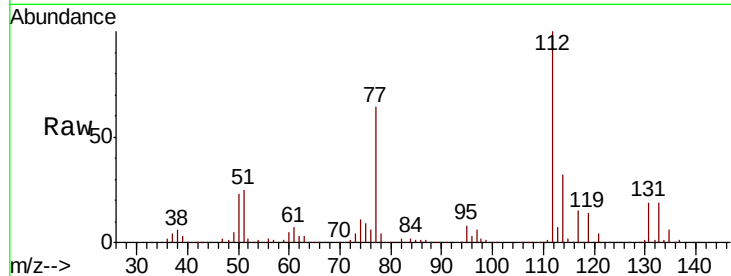
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



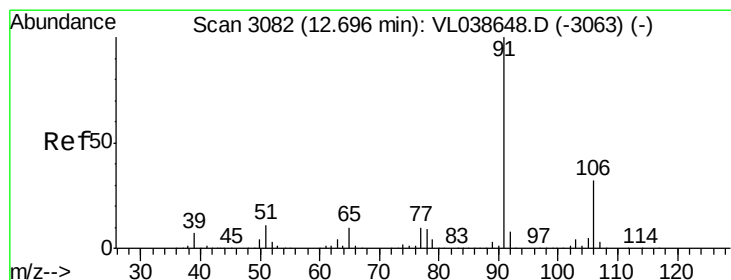
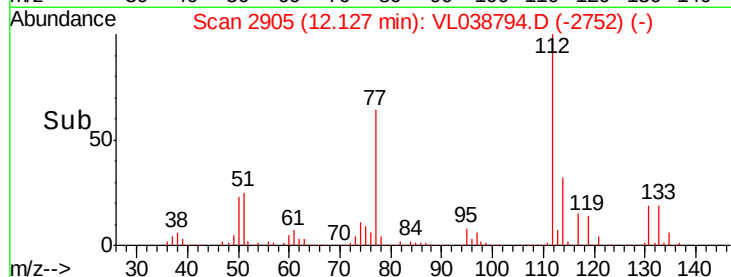
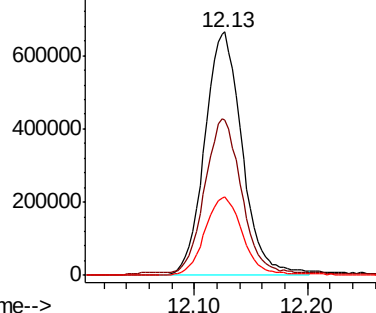


#57
Chlorobenzene
Concen: 8.128 ppbv
RT: 12.13 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 12:18

Tot Ion: 112 Resp: 1531631
Ion Ratio Lower Upper
112 100
77 62.5 51.0 76.6
114 32.4 29.8 36.4

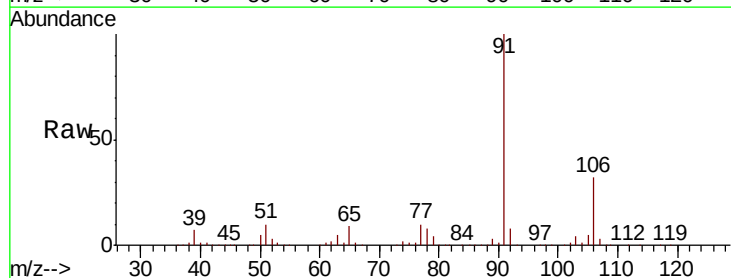


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

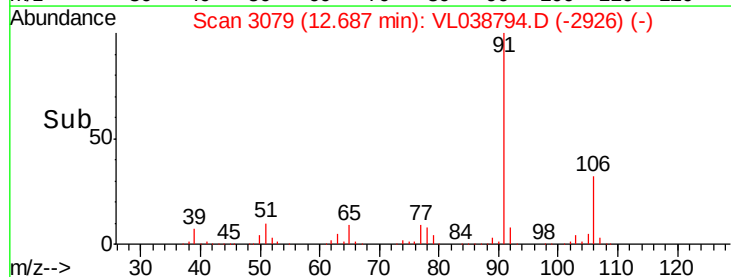
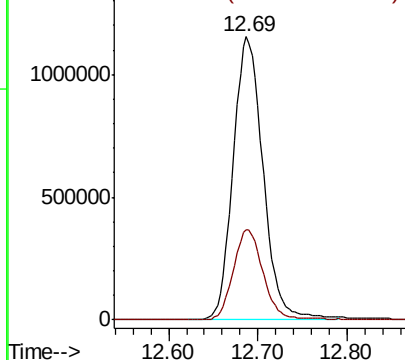


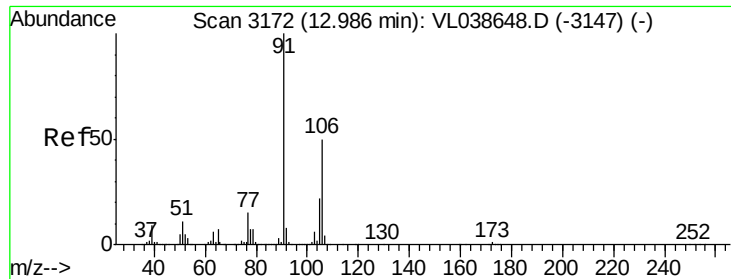
#58
Ethyl Benzene
Concen: 8.815 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

Tgt Ion: 91 Resp: 2692443
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.0



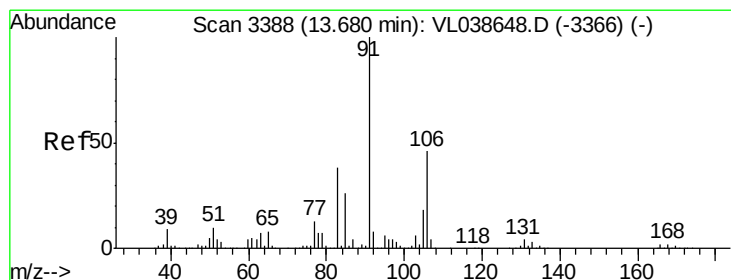
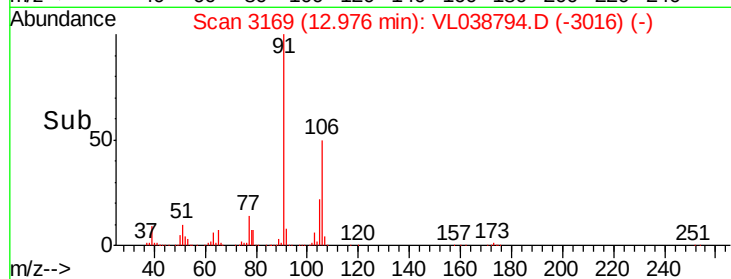
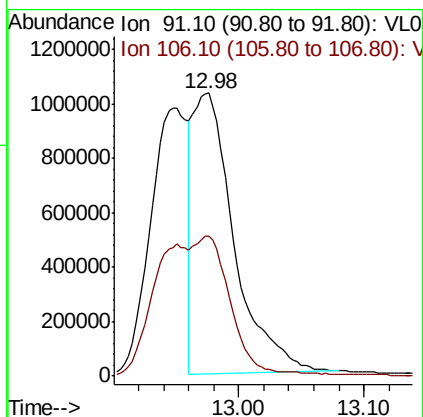
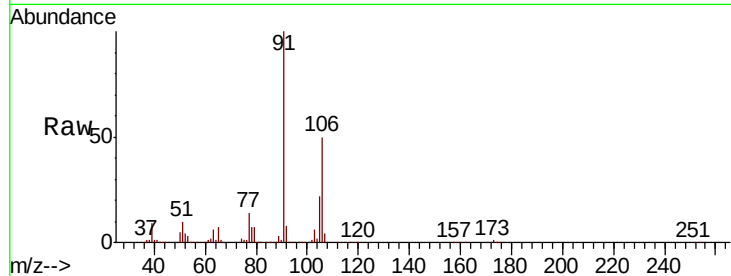
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





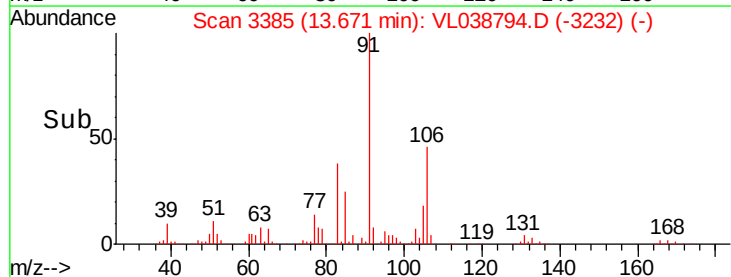
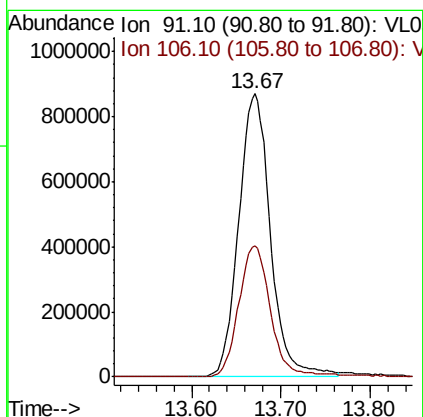
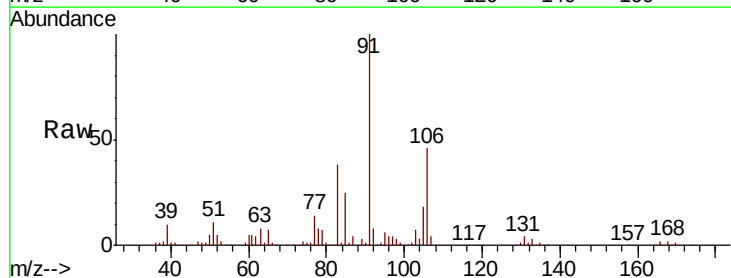
#59
m/p-Xylene
Concen: 8.779 ppbv
RT: 12.98 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 12:18

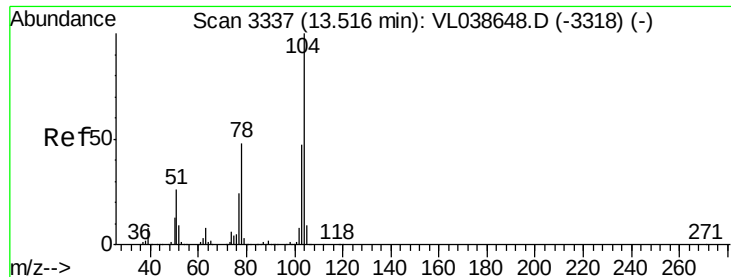
Tot Ion: 91 Resp: 2345560
Ion Ratio Lower Upper
91 100
106 89.9 37.2 55.8#



#60
o-Xylene
Concen: 8.473 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.01 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

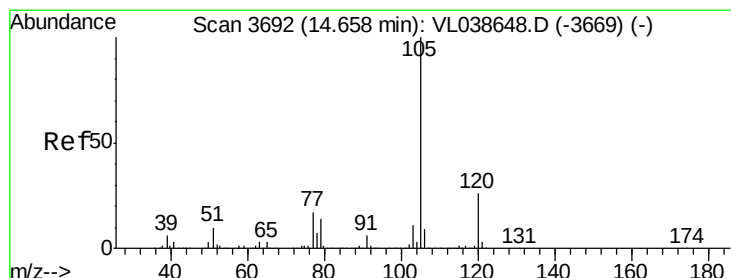
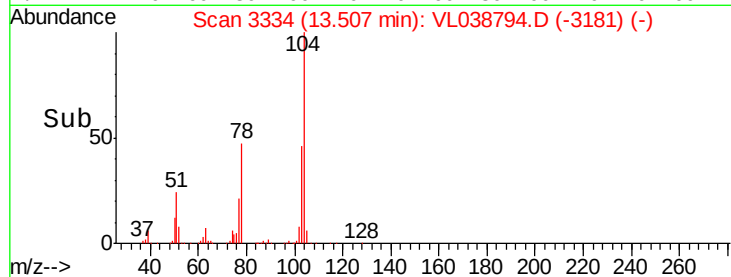
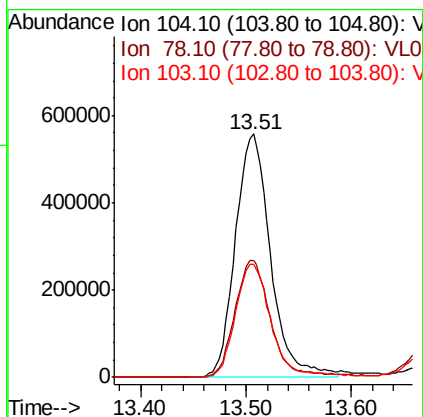
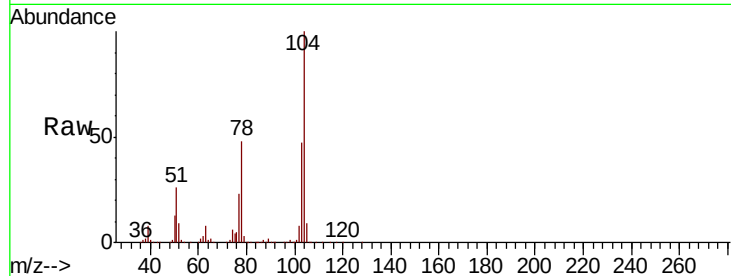
Tgt Ion: 91 Resp: 2149339
Ion Ratio Lower Upper
91 100
106 47.2 23.5 70.5





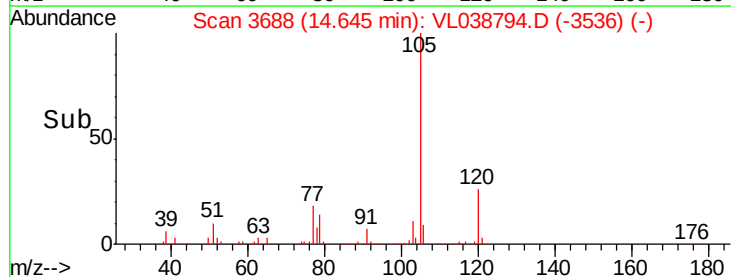
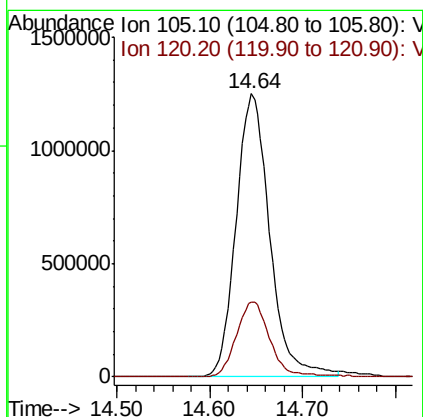
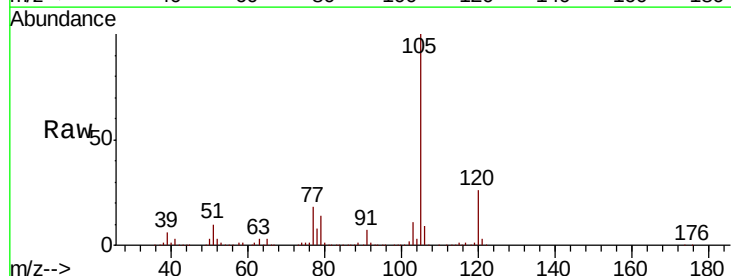
#61
Stvrene
Concen: 9.418 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 30 Mar 2022 12:18

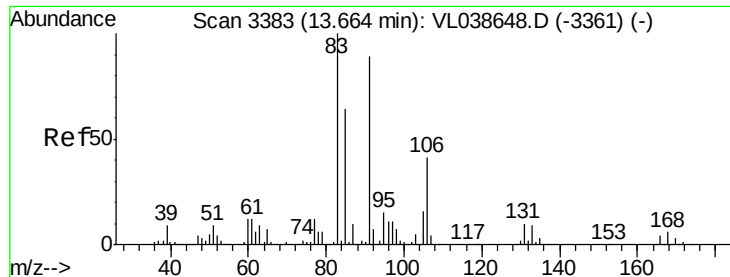
Tot Ion	Ratio	Lower	Upper
104	100		
78	49.3	39.0	58.4
103	47.1	37.8	56.8



#62
Isopropylbenzene
Concen: 8.280 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.01 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

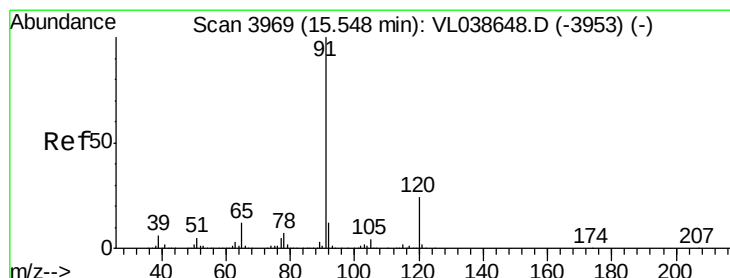
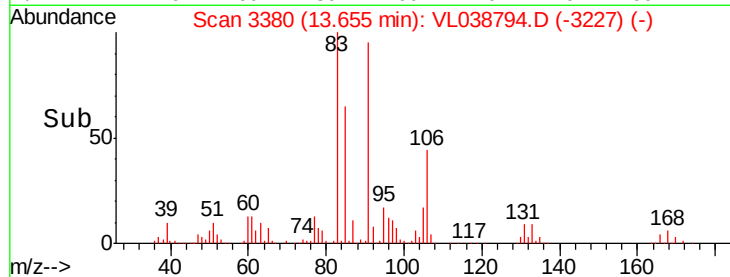
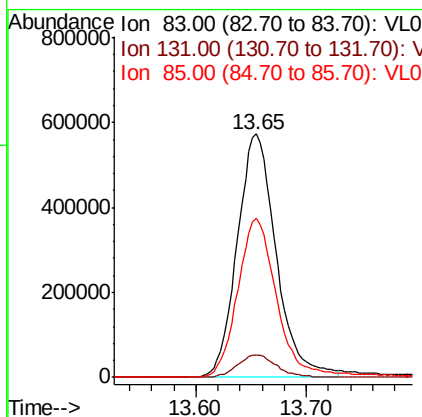
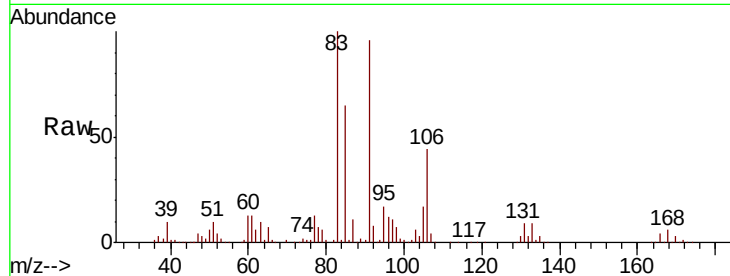
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	21.2	31.8





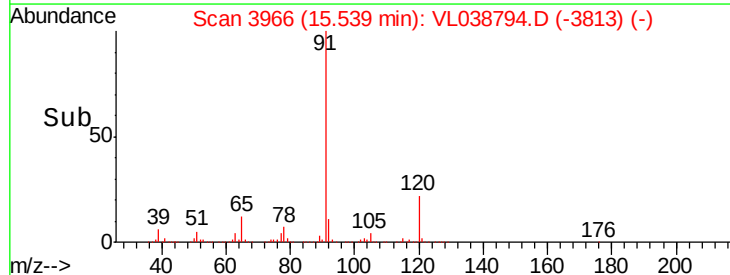
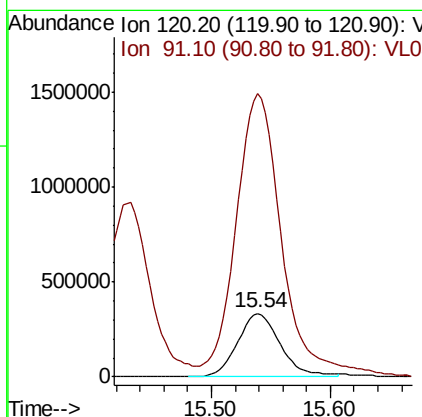
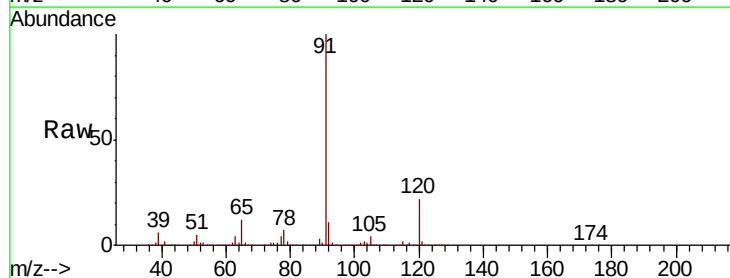
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.126 ppbv
 RT: 13.65 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 30 Mar 2022 12:18

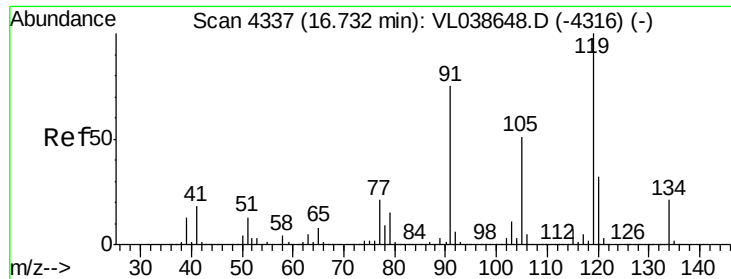
Tot Ion: 83 Resp: 1400319
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.8 14.3
 85 67.3 32.6 97.8



#64
 n-propylbenzene
 Concen: 8.338 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T.: -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

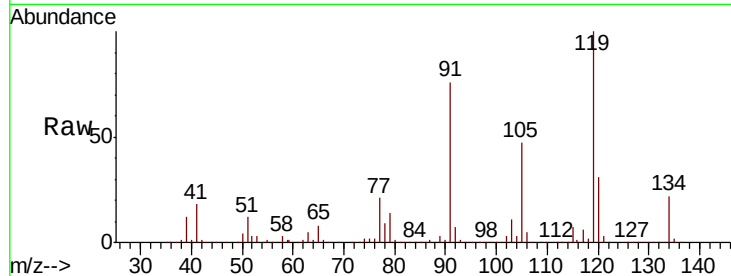
Tgt Ion: 120 Resp: 834413
 Ion Ratio Lower Upper
 120 100
 91 477.4 368.0 552.0



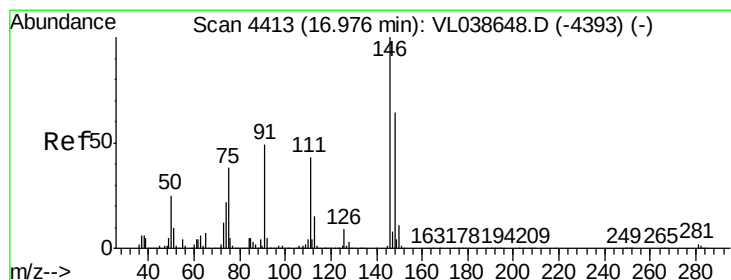
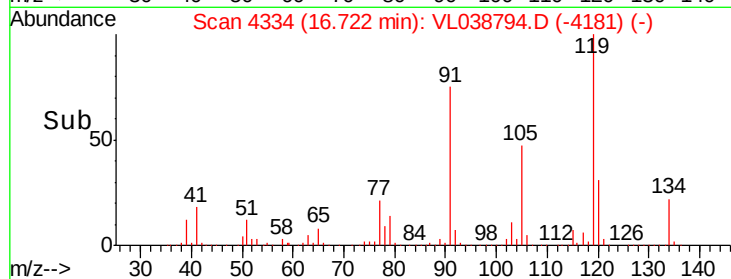
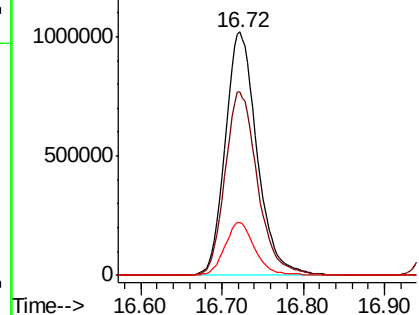


#65
 tert-Butylbenzene
 Concen: 8.184 ppbv
 RT: 16.72 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 12:18

Tot Ion: 119 Resp: 2804364
 Ion Ratio Lower Upper
 119 100
 91 77.1 61.2 91.8
 134 20.4 16.3 24.5

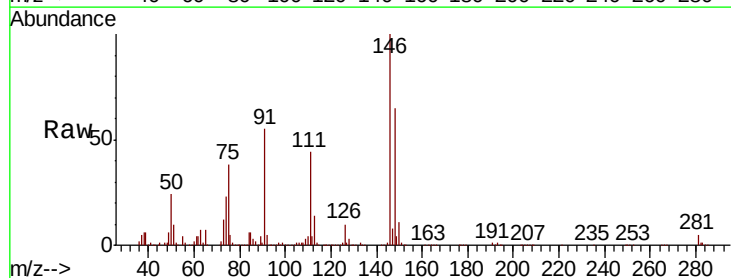


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

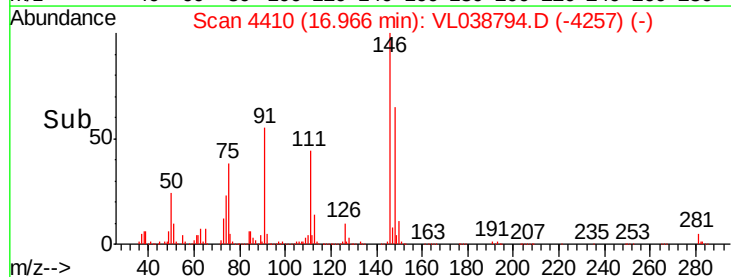
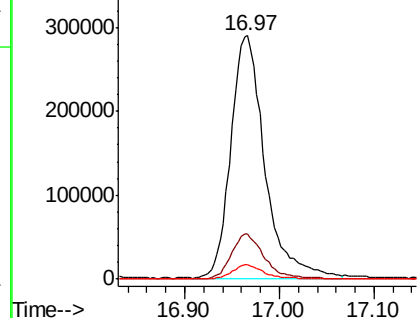


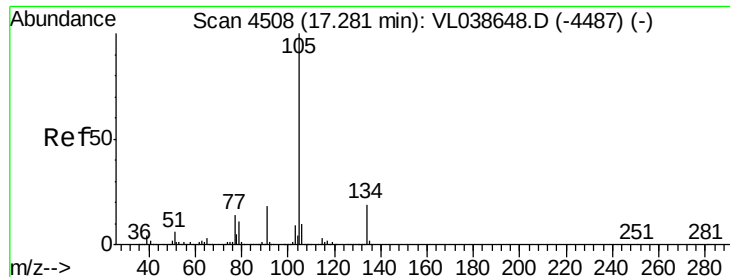
#66
 Benzyl Chloride
 Concen: 11.117 ppbv
 RT: 16.97 min Scan# 4410
 Delta R.T. -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

Tgt Ion: 91 Resp: 721358
 Ion Ratio Lower Upper
 91 100
 126 18.4 14.3 21.5
 128 5.8 4.6 6.8



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V
 Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.141 ppbv

RT: 17.27

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

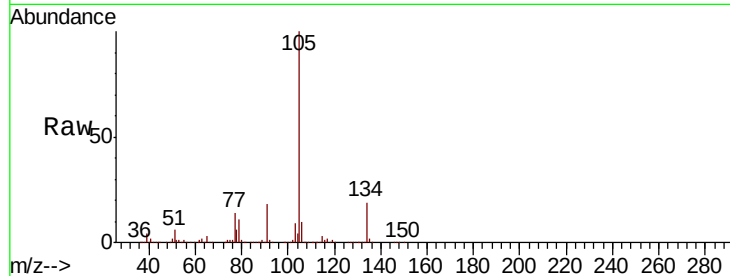
Acq: 30 Mar 2022 12:18

Tot Ion:105 Resp: 3989887

Ion Ratio Lower Upper

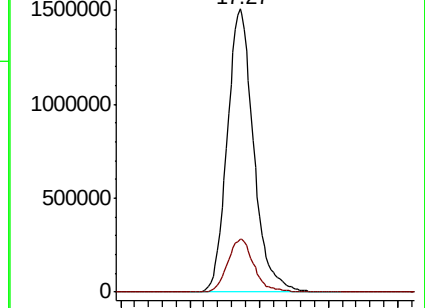
105 100

134 18.8 15.1 22.7

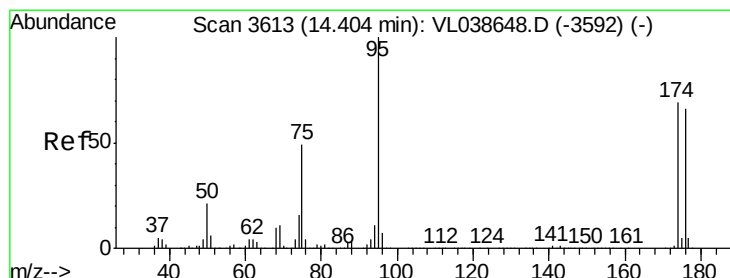
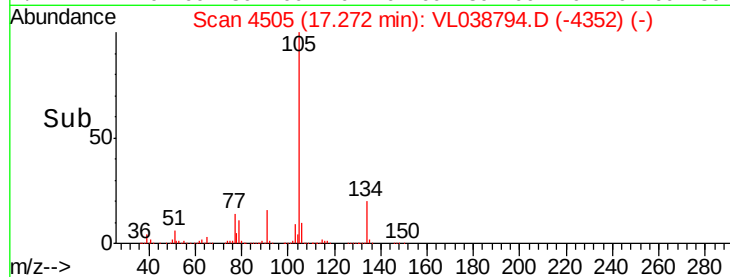


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



Time--> 17.10 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 7.883 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

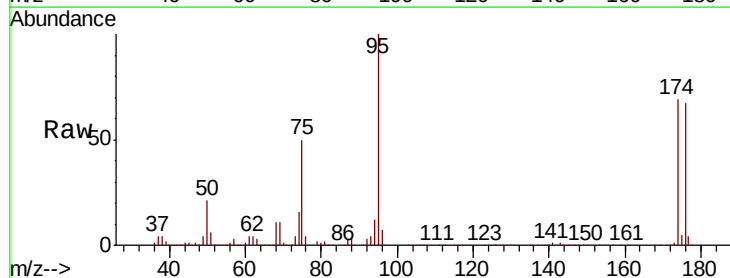
Tgt Ion: 95 Resp: 1579019

Ion Ratio Lower Upper

95 100

174 71.5 56.1 84.1

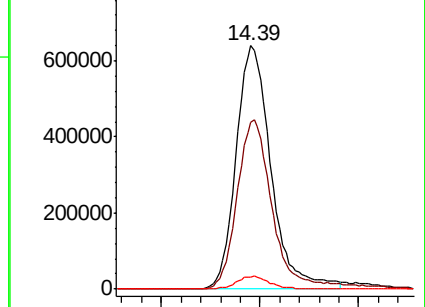
175 5.1 4.2 6.2



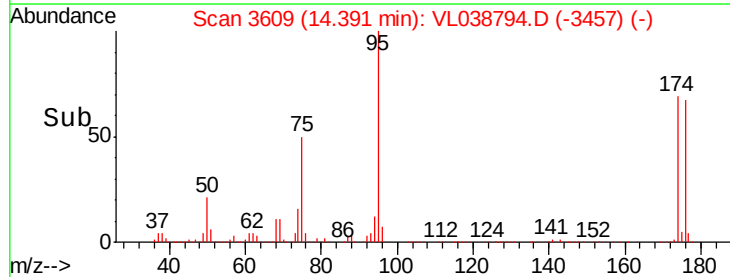
Abundance Ion 95.10 (94.80 to 95.80): VL0

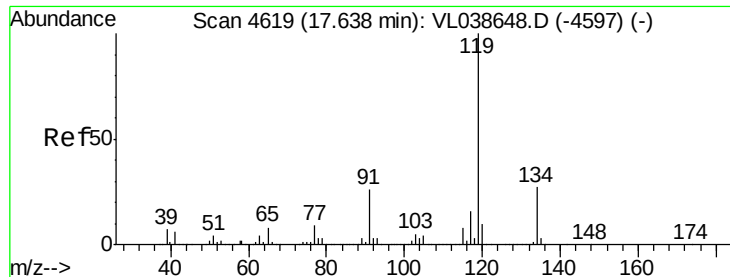
Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



Time--> 14.30 14.40 14.50

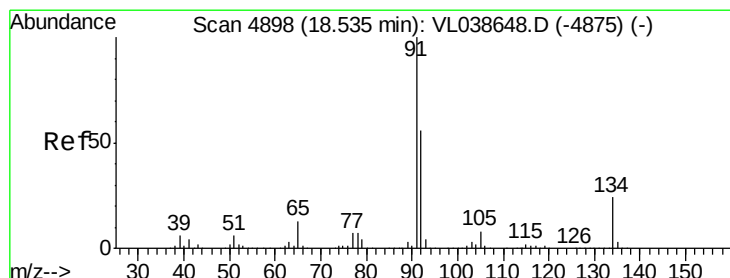
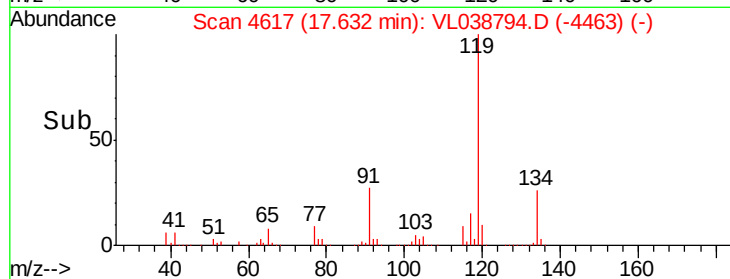
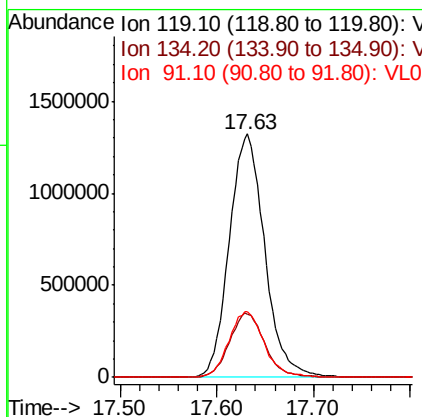
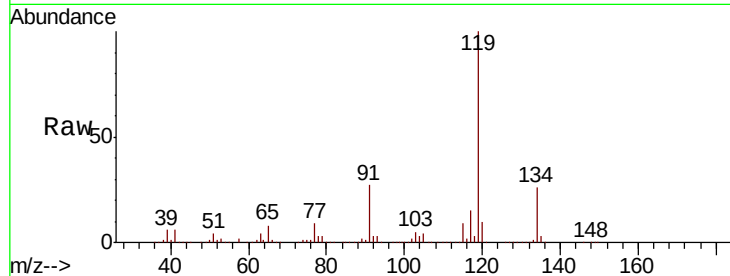




#69
 p-Isopropyltoluene
 Concen: 8.377 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 12:18

Tot Ion: 119 Resp: 3350482

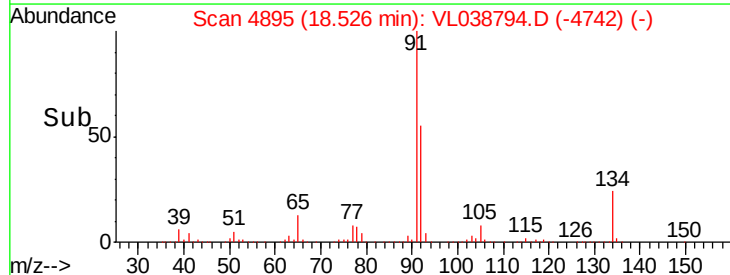
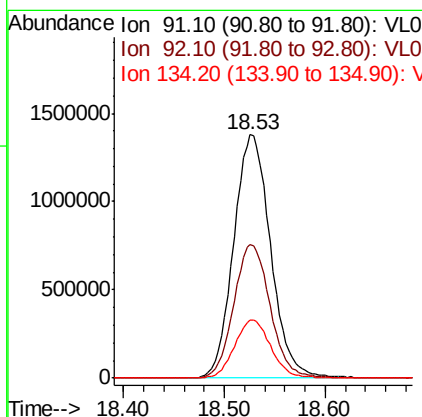
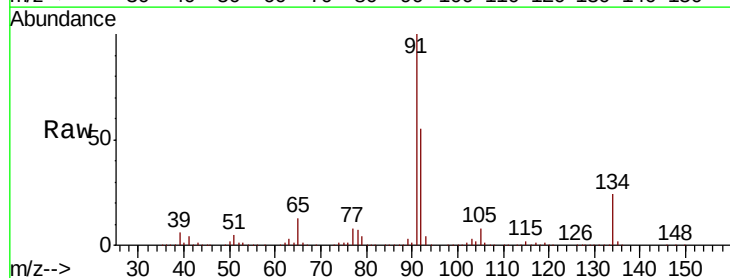
Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	26.9	21.4	32.2

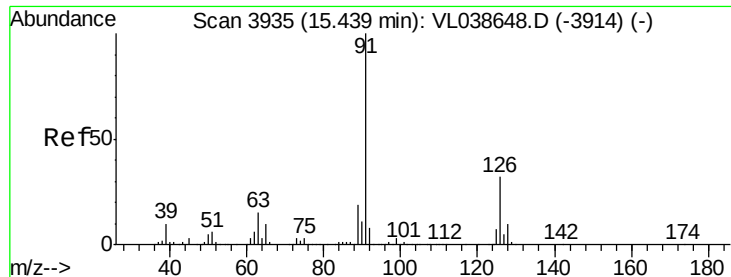


#70
 n-Butylbenzene
 Concen: 8.461 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

Tgt Ion: 91 Resp: 3490593

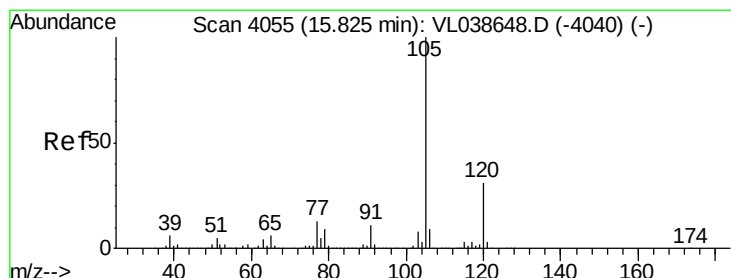
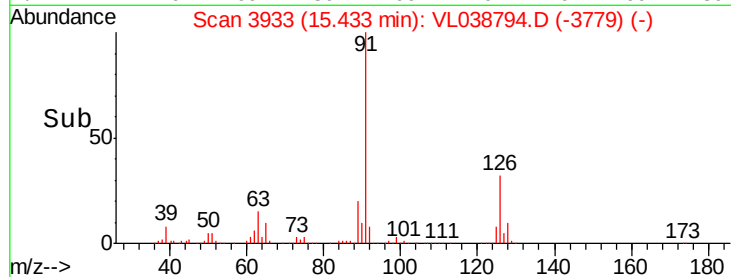
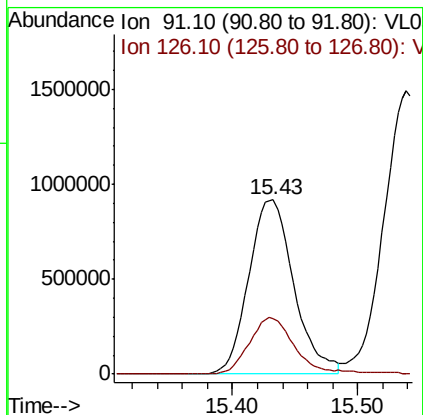
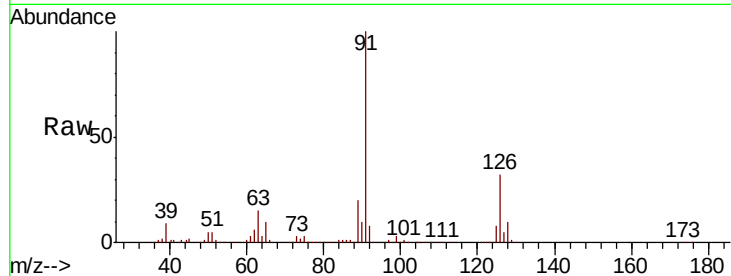
Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.9	65.9
134	23.6	18.7	28.1





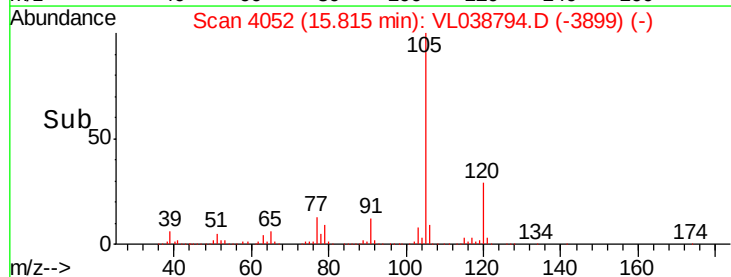
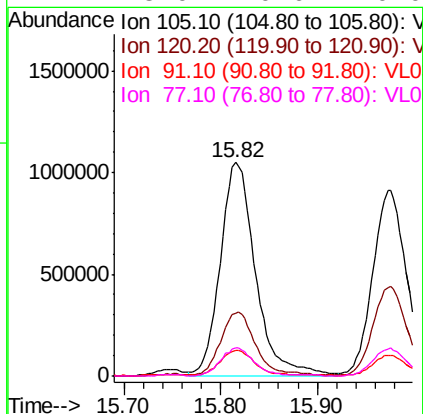
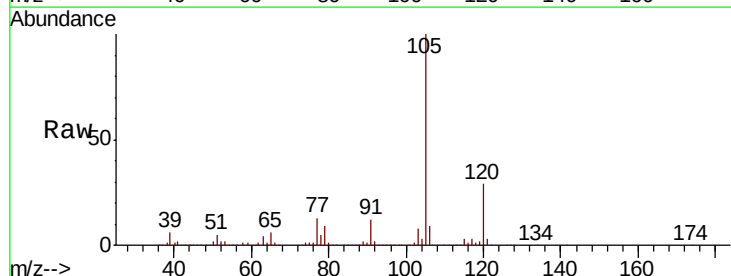
#71
 2-Chlorotoluene
 Concen: 8.115 ppbv
 RT: 15.43 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 12:18

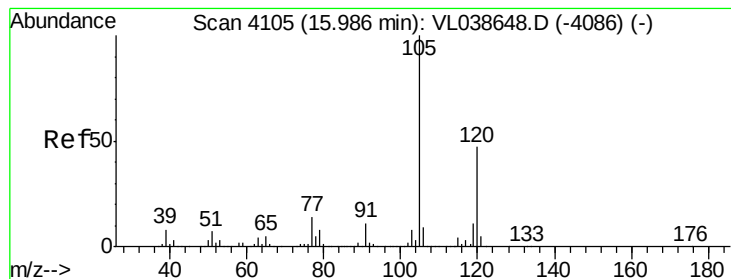
Tot Ion: 91 Resp: 2297185
 Ion Ratio Lower Upper
 91 100
 126 33.8 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 8.870 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

Tgt Ion:105 Resp: 2656123
 Ion Ratio Lower Upper
 105 100
 120 30.0 24.9 37.3
 91 11.5 9.8 14.6
 77 13.0 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 8.477 ppbv

RT: 15.97 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

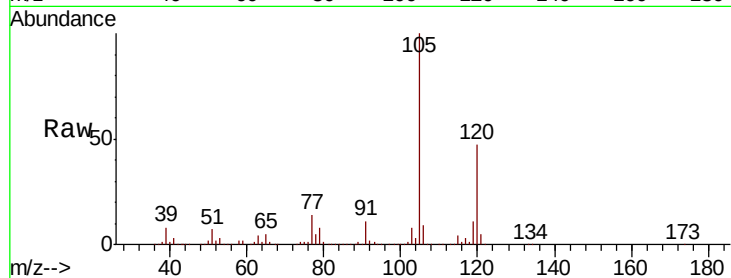
Acq: 30 Mar 2022 12:18

Tot Ion:105 Resp: 2313229

Ion Ratio Lower Upper

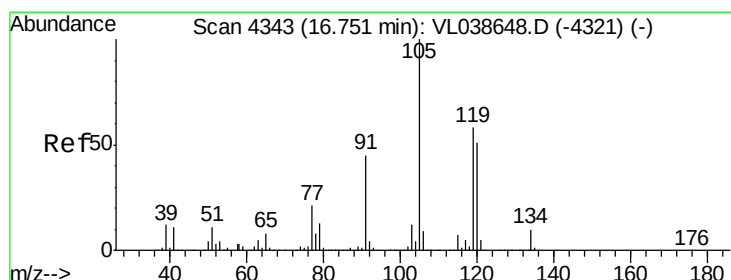
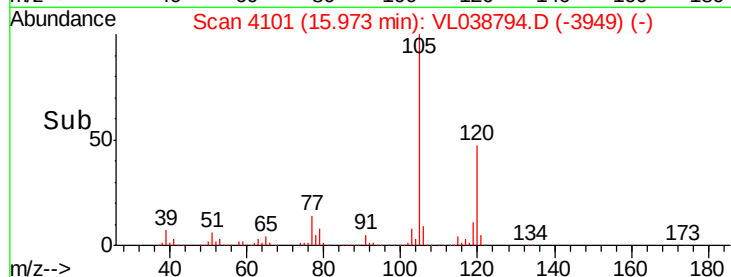
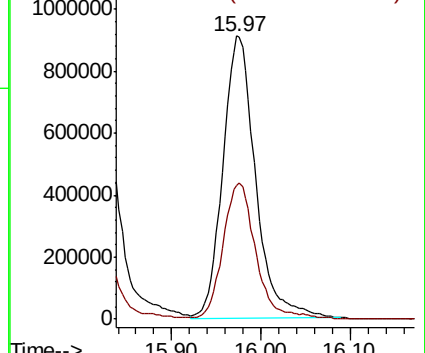
105 100

120 47.2 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.291 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

Tgt Ion:105 Resp: 2464328

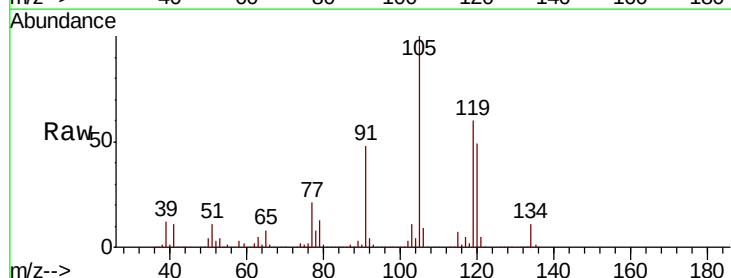
Ion Ratio Lower Upper

105 100

120 48.7 40.5 60.7

91 47.9 35.9 53.9

77 20.9 16.6 25.0

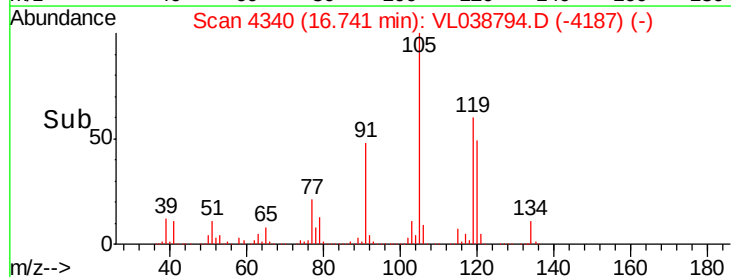
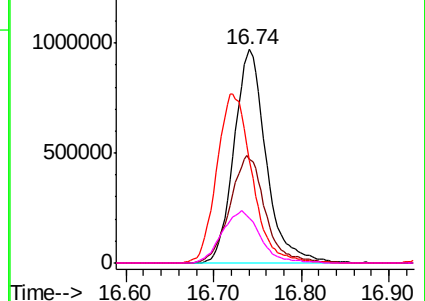


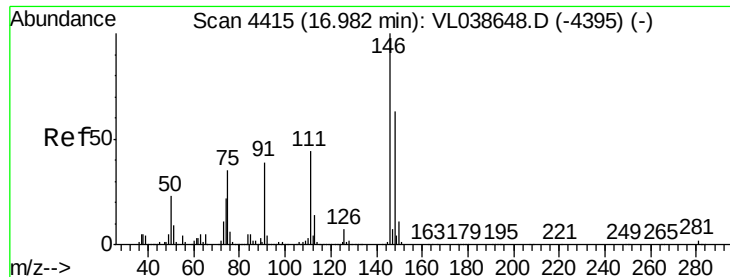
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.155 ppbv

RT: 16.97

Delta R.T. MSVOA_L

Lab File:

Acq: 30 Mar 2022 12:18

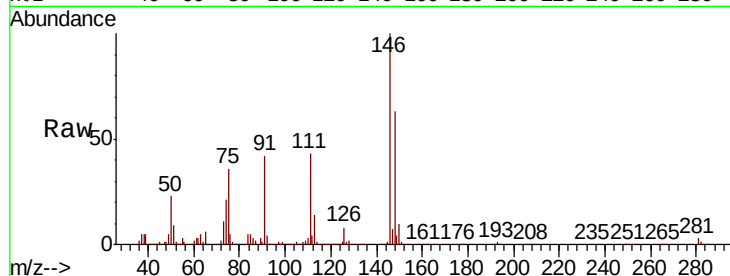
Tot Ion:146 Resp: 1543786

Ion Ratio Lower Upper

146 100

111 43.6 22.2 66.6

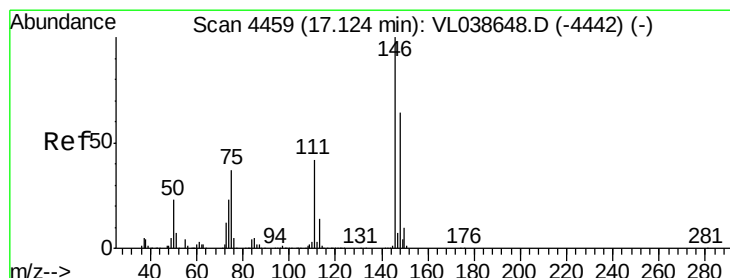
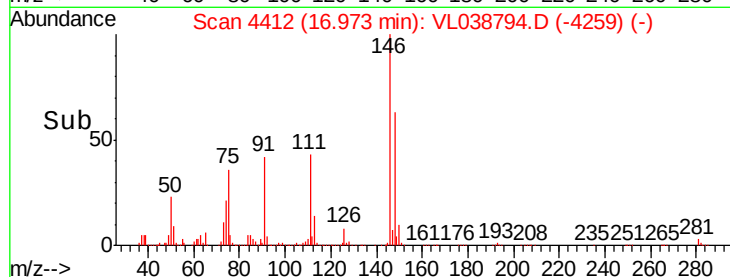
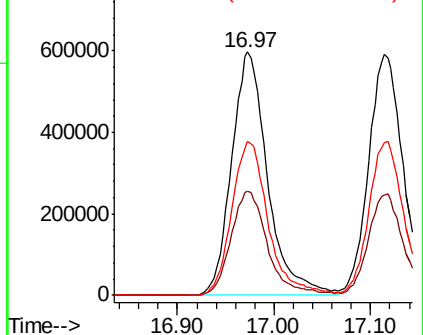
148 64.1 32.5 97.5



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: 8.005 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.01 min

Lab File: VL038794.D

Acq: 30 Mar 2022 12:18

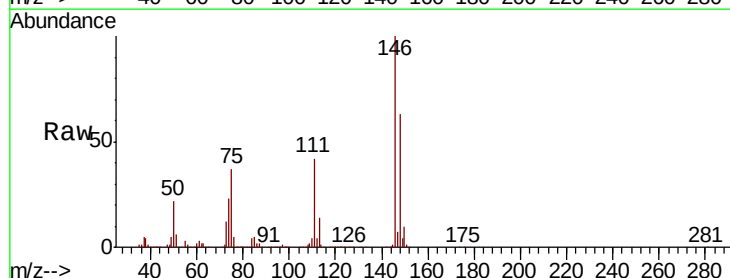
Tgt Ion:146 Resp: 1507082

Ion Ratio Lower Upper

146 100

111 43.2 21.4 64.2

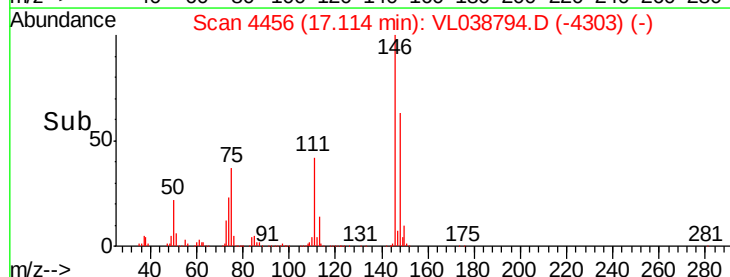
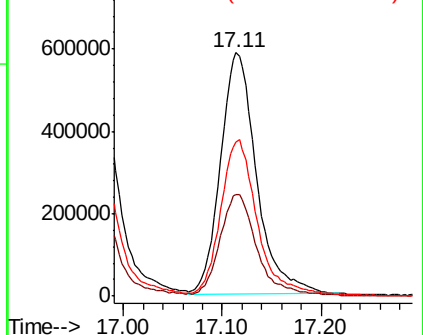
148 65.9 32.1 96.3

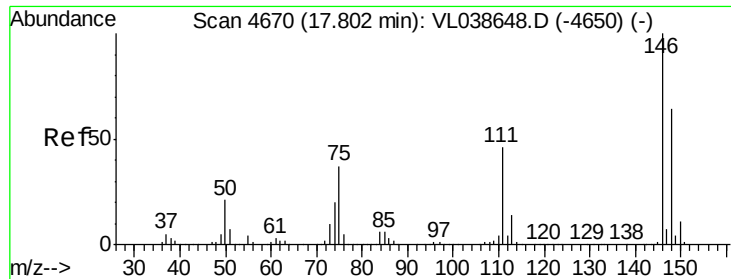


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

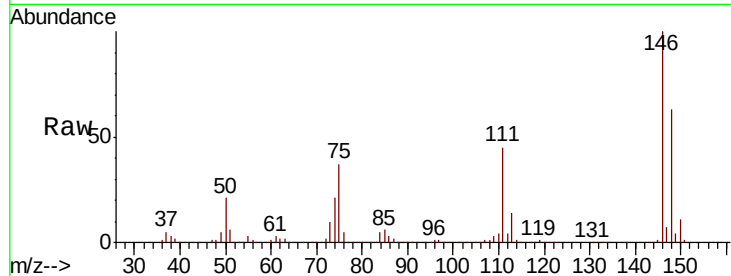




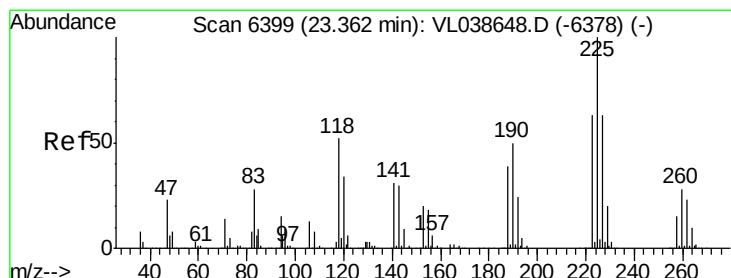
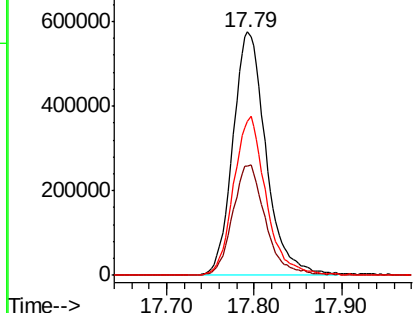
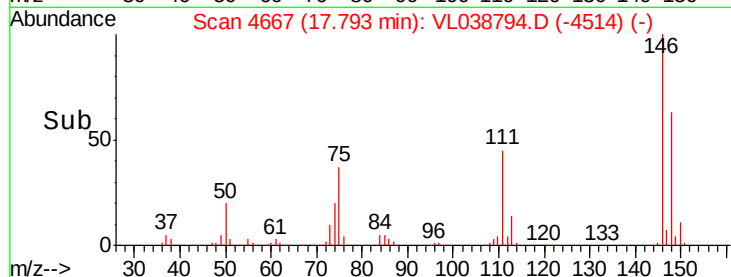
#77
 1,2-Dichlorobenzene
 Concen: 8.025 ppbv
 RT: 17.79
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 30 Mar 2022 12:18

Tot Ion:146 Resp: 1505073

Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.8	68.4
148	64.4	32.5	97.4



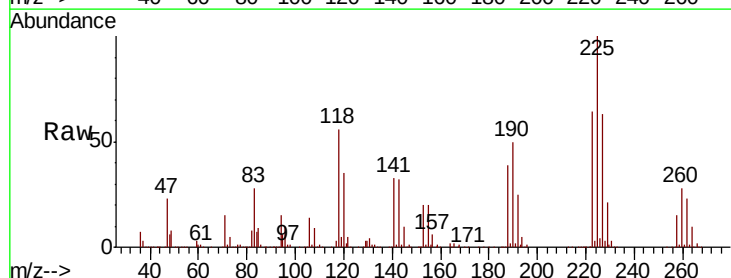
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V



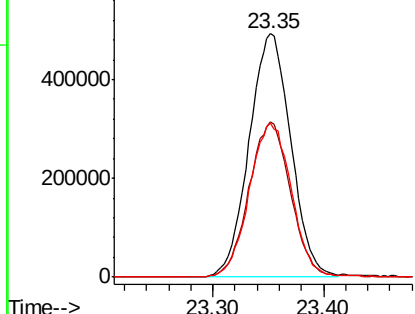
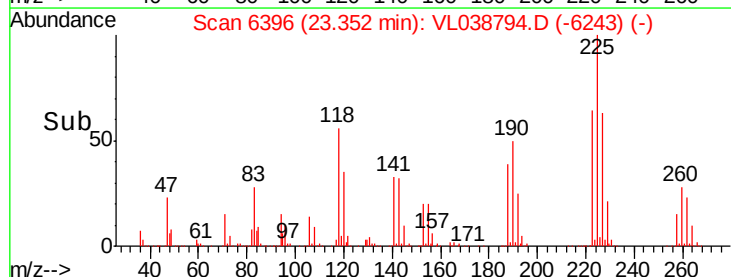
#78
 Hexachloro-1,3-Butadiene
 Concen: 7.436 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. -0.01 min
 Lab File: VL038794.D
 Acq: 30 Mar 2022 12:18

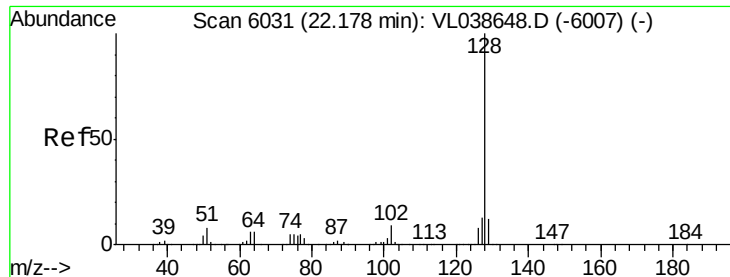
Tgt Ion:225 Resp: 1288944

Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.0	76.6
227	64.7	51.5	77.3



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

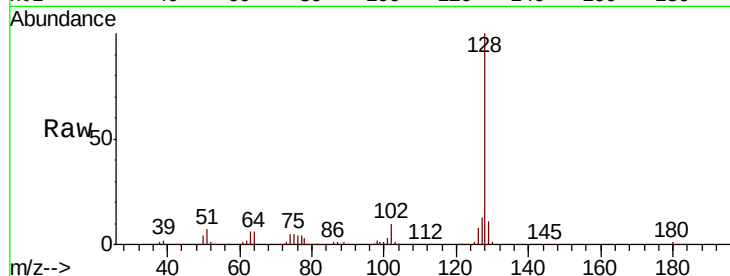




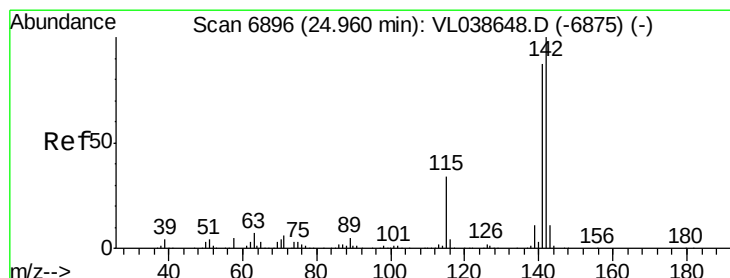
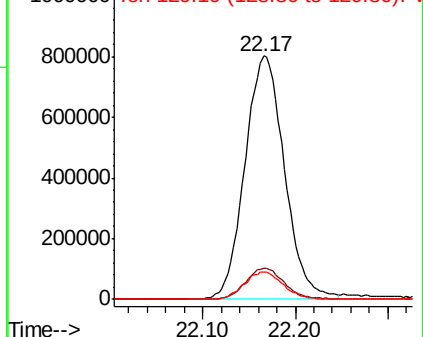
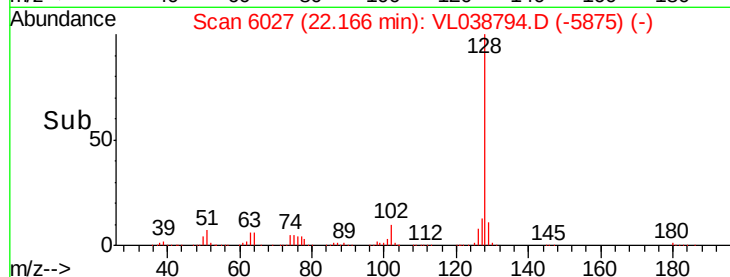
#79
Naphthalene
Concen: 10.476 ppbv
RT: 22.17 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 30 Mar 2022 12:18

Tot Ion:128 Resp: 2378958

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	11.0	9.2	13.8



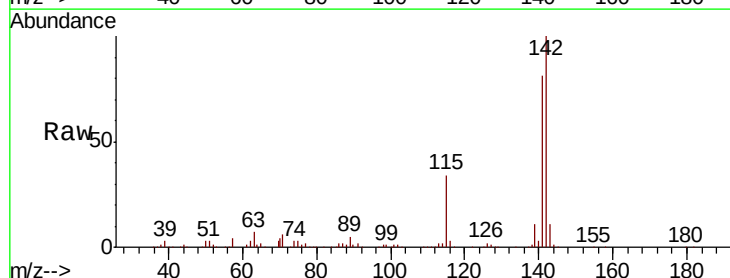
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



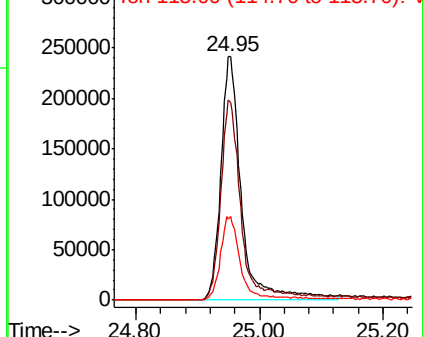
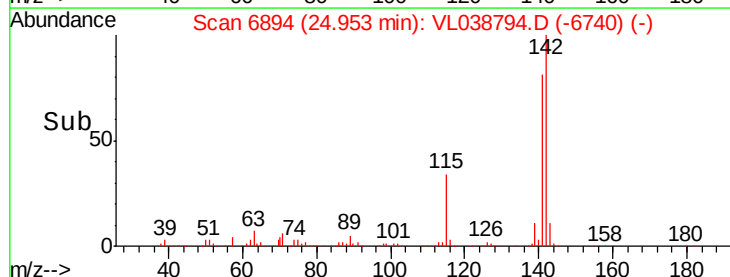
#80
Naphthalene, 2-methyl-
Concen: 9.192 ppbv
RT: 24.95 min Scan# 6894
Delta R.T. -0.01 min
Lab File: VL038794.D
Acq: 30 Mar 2022 12:18

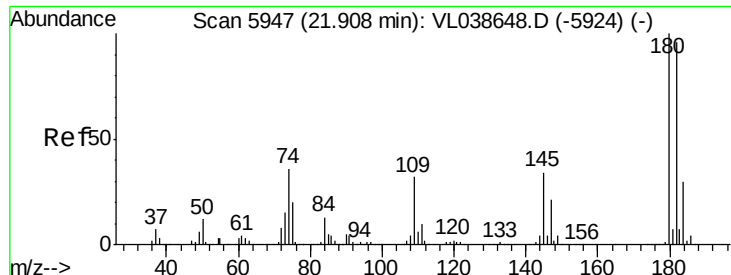
Tgt Ion:142 Resp: 559735

Ion	Ratio	Lower	Upper
142	100		
141	82.0	66.4	99.6
115	33.9	27.8	41.6



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: 8.964 ppbv

RT: 21.90

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 30 Mar 2022 12:18

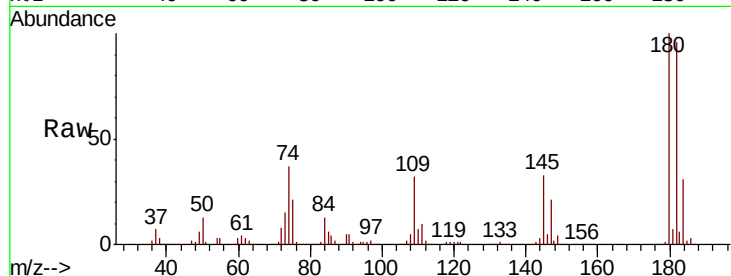
Tot Ion:180 Resp: 1393534

Ion Ratio Lower Upper

180 100

182 96.9 79.2 118.8

184 30.9 24.8 37.2



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

