

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030822\
 Data File : VL038562.D
 Acq On : 8 Mar 2022 21:12
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL030822

Quant Time: Mar 08 21:49:44 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	886936	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2339143	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2717417	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1716502	8.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1234321	9.21	ppbv	100
3) Chlorodifluoromethane	2.99	51	1423133	9.10	ppbv	99
4) Chloromethane	3.13	50	540120	9.32	ppbv	98
5) Vinyl Chloride	3.25	62	547190	9.40	ppbv	99
6) Bromomethane	3.47	94	302274	9.68	ppbv	97
7) Chloroethane	3.55	64	184021	9.77	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	1235926	9.52	ppbv	100
9) Propene	3.01	41	509980	9.24	ppbv	99
10) Heptane	8.10	43	1301897	9.86	ppbv	98
11) Trichlorofluoromethane	3.94	101	1126344	9.59	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	842452	9.22	ppbv	98
13) Ethanol	3.60	45	44925	7.09	ppbv	96
14) Bromoethene	3.73	108	383043	9.84	ppbv	98
15) Acetone	3.84	43	556584	8.90	ppbv	97
16) 1,3-Butadiene	3.32	39	489870	9.74	ppbv	98
17) tert-Butyl alcohol	4.28	59	625515	9.20	ppbv	100
18) 1,1-Dichloroethene	4.28	96	389535	9.53	ppbv	99
19) Isopropyl Alcohol	3.95	45	369077	8.84	ppbv	99
20) Methylene Chloride	4.33	84	316341	8.40	ppbv	95
21) Allyl Chloride	4.40	41	574462	9.53	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	412097	9.62	ppbv	96
23) Vinyl Acetate	5.06	43	900557	10.04	ppbv	99
24) 1,1-Dichloroethane	5.00	63	769872	9.44	ppbv	100
25) Ethyl Acetate	5.66	43	2048200	9.72	ppbv	100
26) Hexane	5.67	57	960091	9.70	ppbv	99
27) Carbon Disulfide	4.54	76	999492	10.14	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	753487	9.36	ppbv	99
29) Chloroform	5.74	83	1458776	9.47	ppbv	97
30) Cyclohexane	7.11	84	807953	9.44	ppbv	100
31) cis-1,2-Dichloroethene	5.54	61	909777	9.61	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	1372823	9.19	ppbv	100
34) 2-Butanone	5.23	43	636471	10.50	ppbv	100
35) Carbon Tetrachloride	7.00	117	1463482	9.17	ppbv	98
36) Benzene	6.88	78	2015032	9.55	ppbv	99
37) 1,2-Dichloroethane	6.29	62	964247	9.56	ppbv	99
38) Trichloroethene	7.82	130	779800	9.25	ppbv	99
39) 1,2-Dichloropropane	7.60	63	776166	9.56	ppbv	100
40) 1,4-Dioxane	7.82	88	188846	9.29	ppbv	91
41) Tetrahydrofuran	6.03	42	482068	9.72	ppbv	99
42) Bromodichloromethane	7.78	83	1547807	9.68	ppbv	99
43) Methyl Methacrylate	8.00	69	738638	10.19	ppbv	97

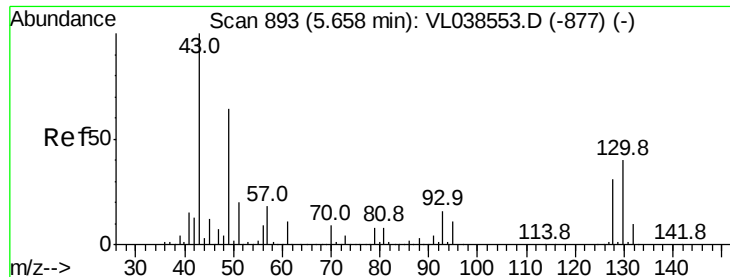
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030822\
 Data File : VL038562.D
 Acq On : 8 Mar 2022 21:12
 Operator : SY/AP
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 ClientSampleId :
 ICSVVL030822

Quant Time: Mar 08 21:49:44 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3353599	9.40	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	577245	11.05	ppbv	96
46) cis-1,3-Dichloropropene	8.68	75	756599	10.60	ppbv	96
47) 1,1,2-Trichloroethane	9.46	97	808902	9.78	ppbv	99
48) Dibromochloromethane	10.28	129	1354172	10.31	ppbv	99
49) Bromoform	13.02	173	1078091	10.71	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1235498	9.94	ppbv	98
51) 2-Hexanone	10.12	43	546883	10.41	ppbv #	99
52) Tetrachloroethene	11.20	164	709230	9.17	ppbv	99
53) Toluene	9.79	91	2278429	10.11	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1148446	9.71	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	872210	7.88	ppbv	99
57) Chlorobenzene	12.13	112	1611842	7.77	ppbv	98
58) Ethyl Benzene	12.69	91	2831677	8.05	ppbv	99
59) m/p-Xylene	12.97	91	2611887	8.67	ppbv #	42
60) o-Xylene	13.67	91	2224976	7.82	ppbv	98
61) Styrene	13.51	104	1246406	8.89	ppbv	98
62) Isopropylbenzene	14.65	105	3075751	7.84	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	1695215	7.05	ppbv	100
64) n-propylbenzene	15.54	120	841619	8.41	ppbv	97
65) tert-Butylbenzene	16.73	119	2782003	7.93	ppbv	99
66) Benzyl Chloride	16.96	91	116362	5.60	ppbv #	74
67) sec-Butylbenzene	17.27	105	4026191	8.07	ppbv	100
69) p-Isopropyltoluene	17.63	119	3395551	8.22	ppbv	99
70) n-Butylbenzene	18.53	91	3649485	8.29	ppbv	99
71) 2-Chlorotoluene	15.43	91	2340955	8.03	ppbv	99
72) 4-Ethyltoluene	15.82	105	2789659	8.54	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	2448460	8.07	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	2574115	7.94	ppbv #	93
75) 1,3-Dichlorobenzene	16.98	146	1688439	8.26	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	1621205	8.01	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	1702740	8.23	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1502949	7.45	ppbv	100
79) Naphthalene	22.17	128	2958794	10.15	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	560878	10.90	ppbv	100
81) 1,2,4-Trichlorobenzene	21.90	180	1635391	8.78	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. 0.00

Lab File: ClientSampleId: ICVVL030822

Acq: 8 Mar 2022 21:12

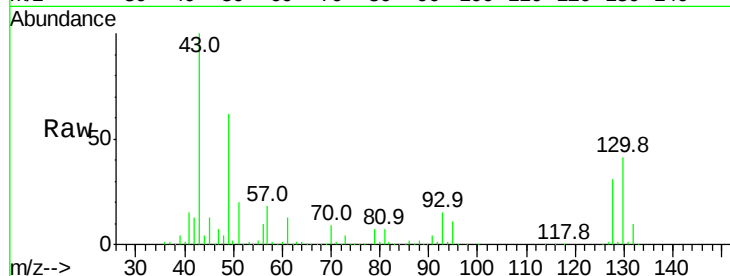
Tgt Ion: 49 Resp: 886936

Ion Ratio Lower Upper

49 100

128 53.6 26.4 79.2

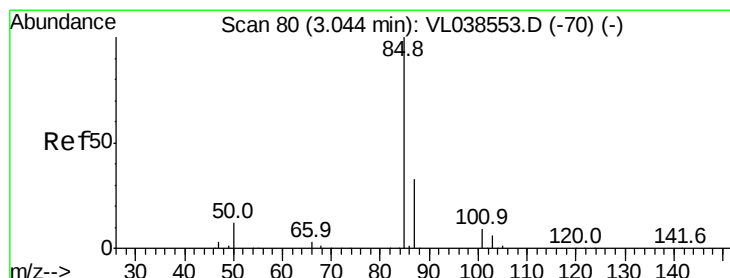
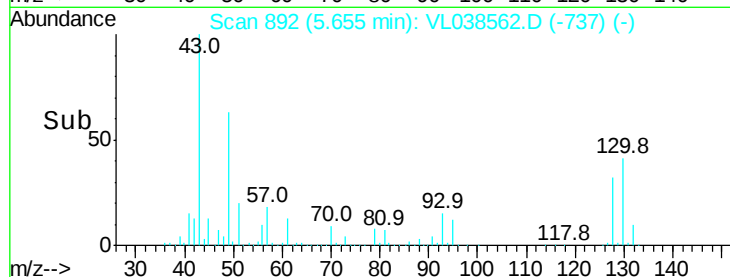
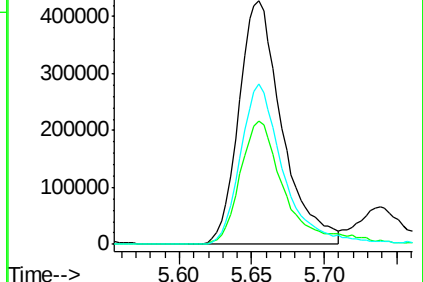
130 66.9 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.21 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL038562.D

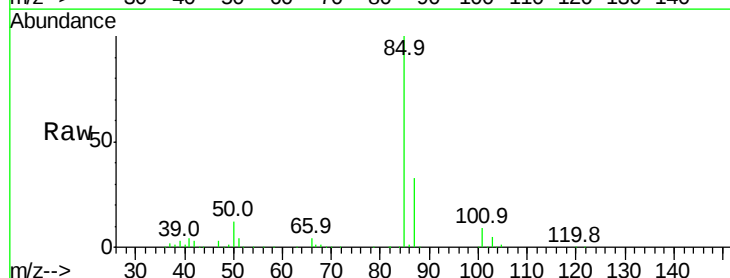
Acq: 8 Mar 2022 21:12

Tgt Ion: 85 Resp: 1234321

Ion Ratio Lower Upper

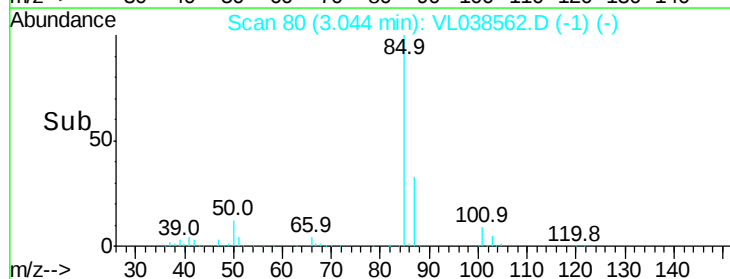
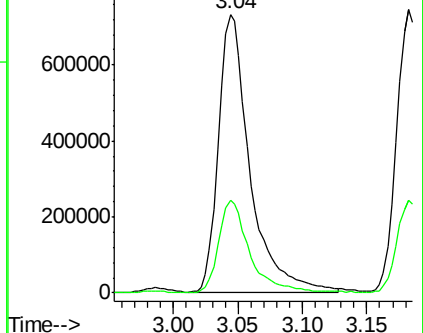
85 100

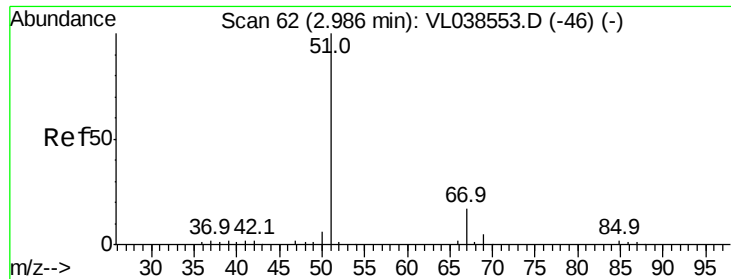
87 33.0 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

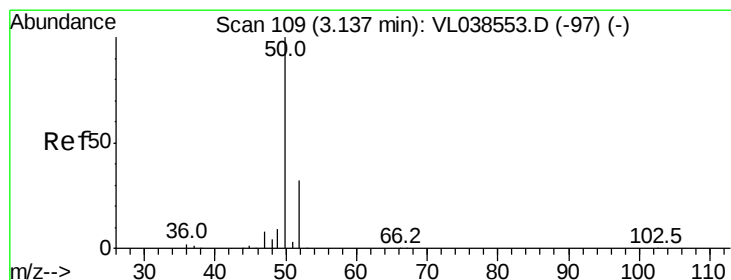
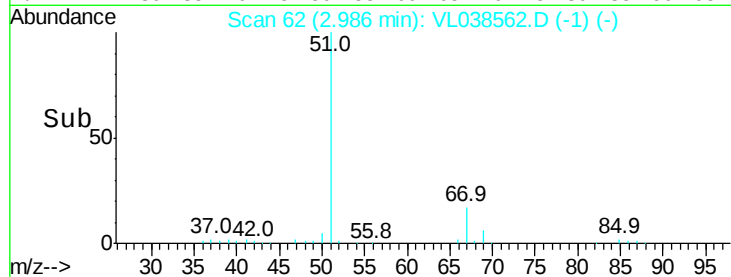
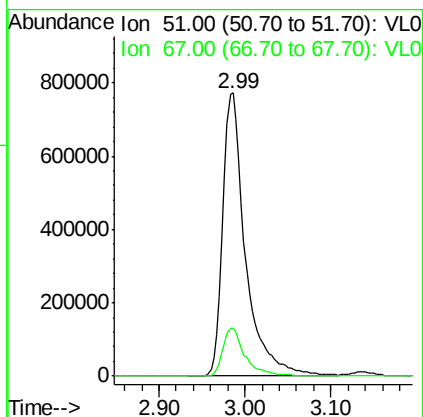
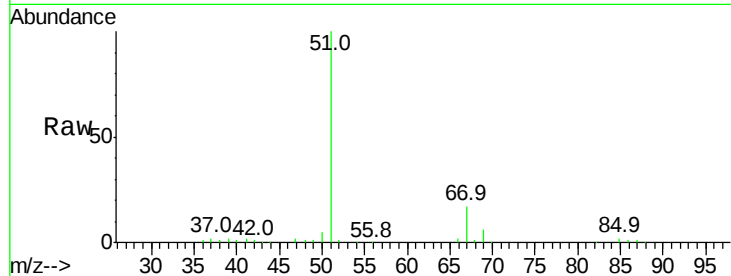
Ion 87.00 (86.70 to 87.70): VL0





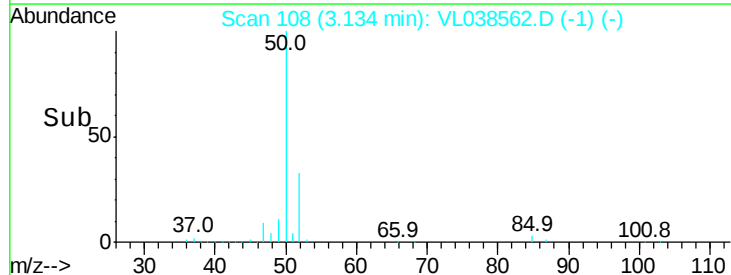
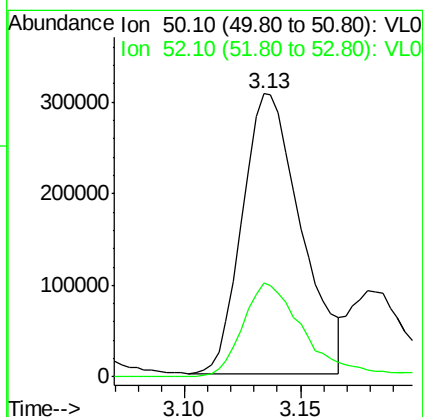
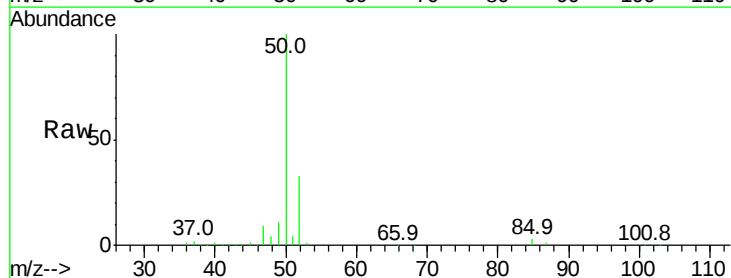
#3
 Chlorodifluoromethane
 Concen: 9.10 ppbv
 RT: 2.99
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 ICVVL030822
 Acq: 8 Mar 2022 21:12

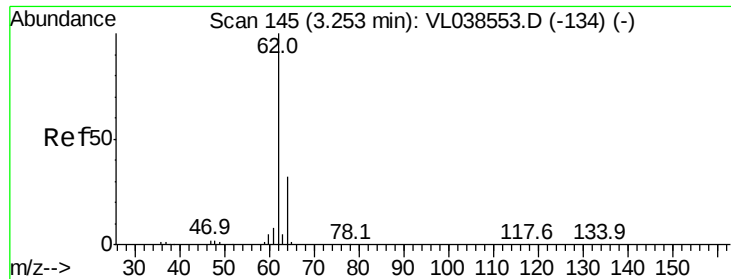
Tgt Ion: 51 Resp: 1423133
 Ion Ratio Lower Upper
 51 100
 67 16.7 13.6 20.4



#4
 Chloromethane
 Concen: 9.32 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. -0.00 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

Tgt Ion: 50 Resp: 540120
 Ion Ratio Lower Upper
 50 100
 52 33.4 25.6 38.4





#5

Vinyl Chloride

Concen: 9.40 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IGVVL030822

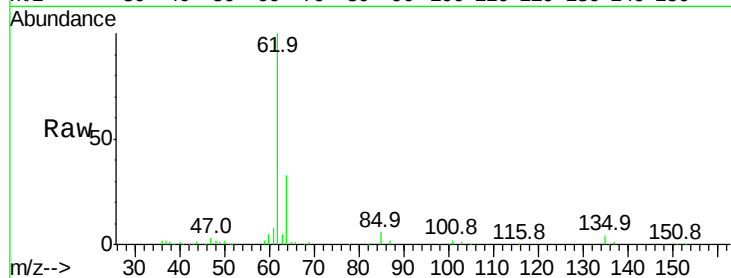
Acq: 8 Mar 2022 21:12

Tgt Ion: 62 Resp: 547190

Ion Ratio Lower Upper

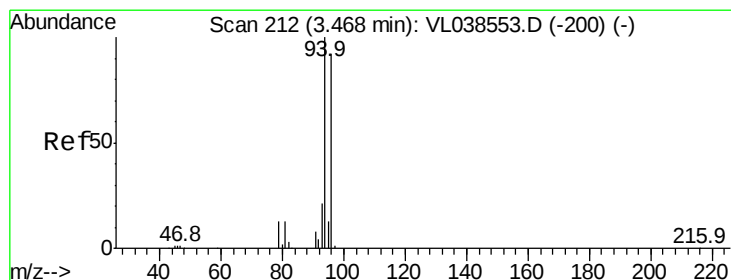
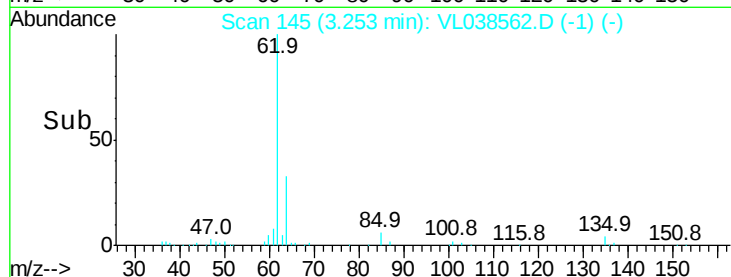
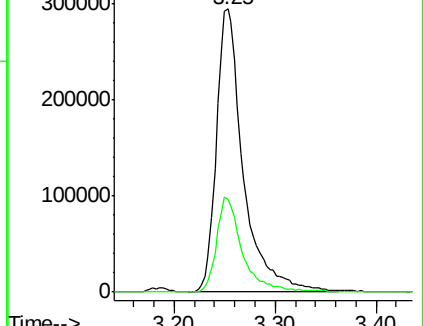
62 100

64 32.9 25.8 38.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.68 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL038562.D

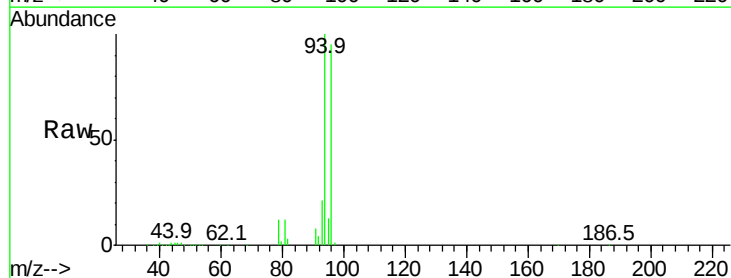
Acq: 8 Mar 2022 21:12

Tgt Ion: 94 Resp: 302274

Ion Ratio Lower Upper

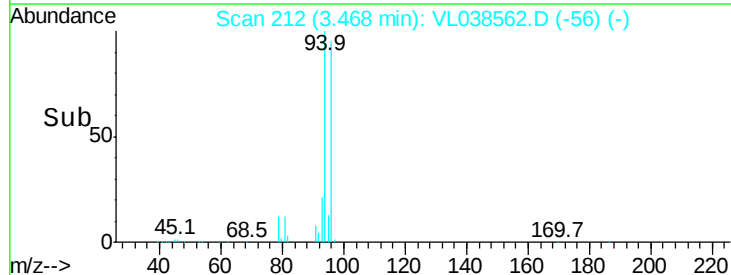
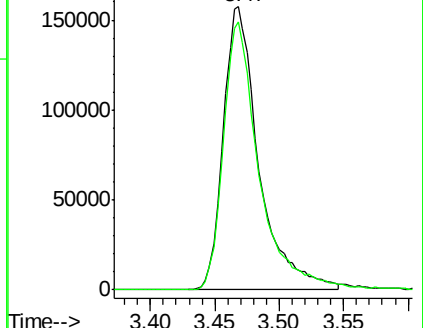
94 100

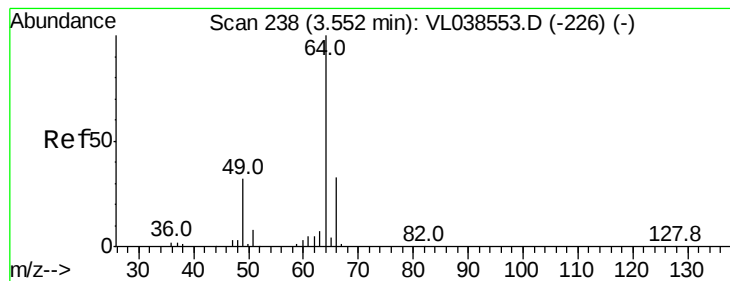
96 94.7 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.77 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

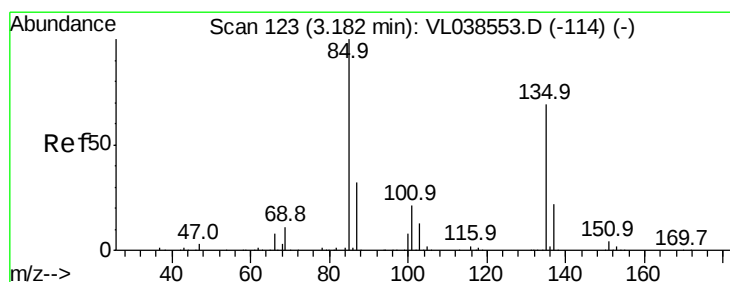
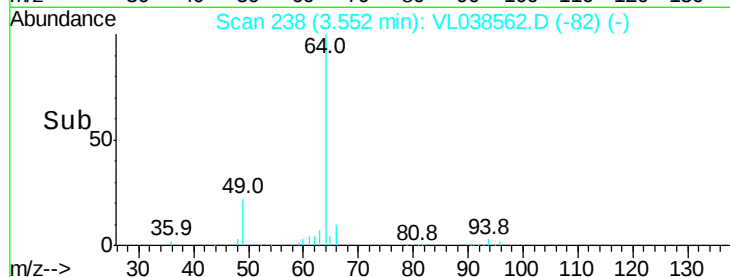
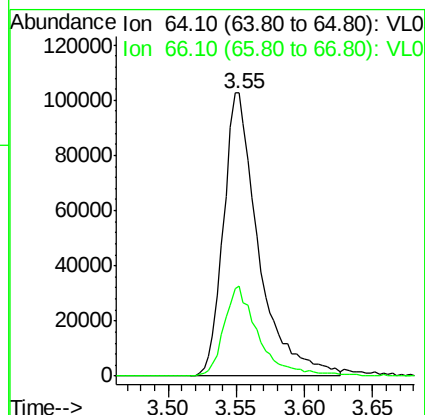
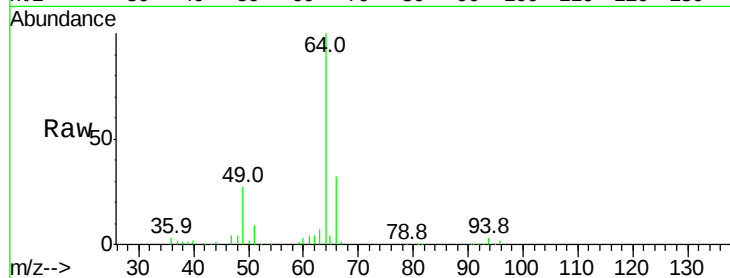
Acq: 8 Mar 2022 21:12

Tgt Ion: 64 Resp: 184021

Ion Ratio Lower Upper

64 100

66 31.8 26.6 39.8



#8

Dichlorotetrafluoroethane

Concen: 9.52 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL038562.D

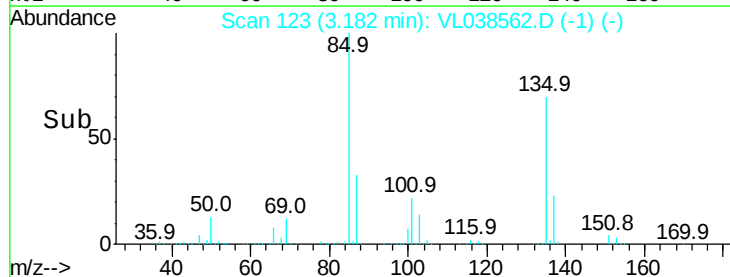
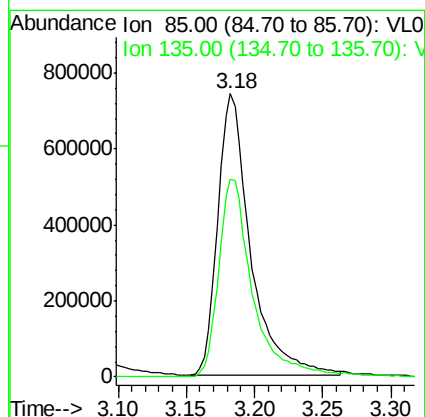
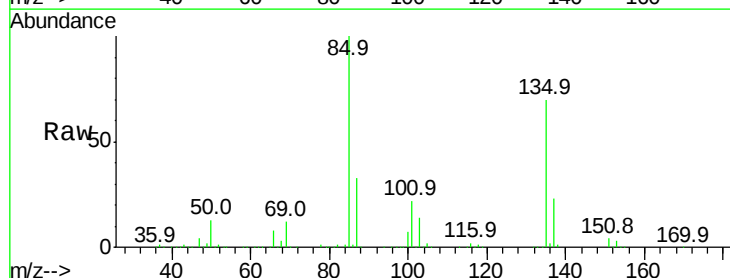
Acq: 8 Mar 2022 21:12

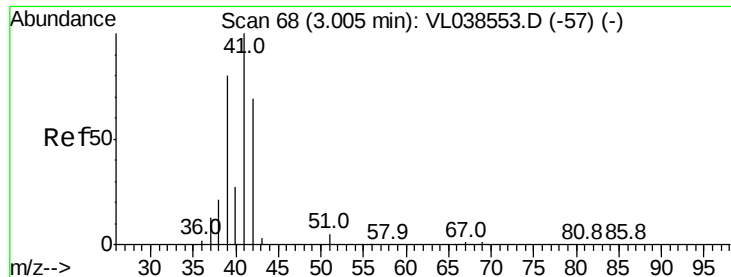
Tgt Ion: 85 Resp: 1235926

Ion Ratio Lower Upper

85 100

135 74.0 59.0 88.4





#9

Propene

Concen: 9.24 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: ICVVL030822

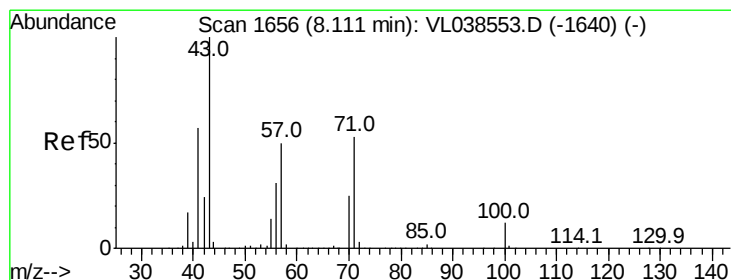
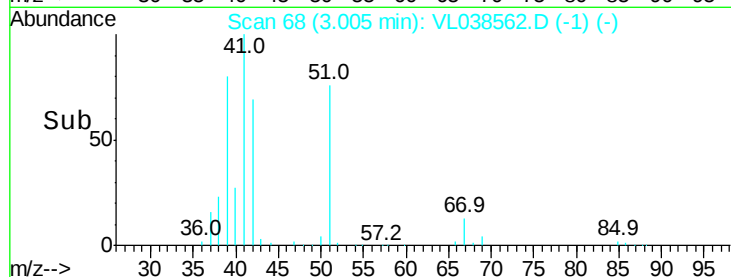
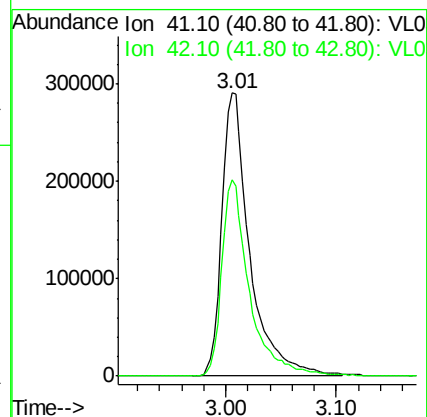
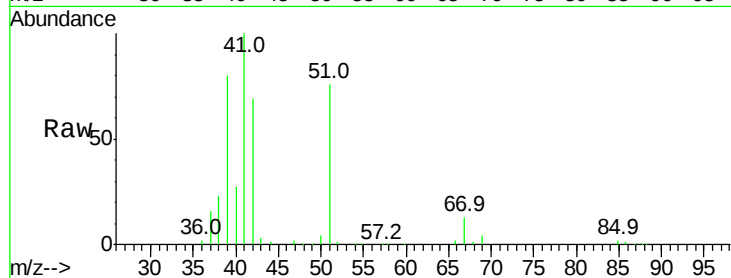
Acq: 8 Mar 2022 21:12

Tgt Ion: 41 Resp: 509980

Ion Ratio Lower Upper

41 100

42 68.9 55.7 83.5



#10

Heptane

Concen: 9.86 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.01 min

Lab File: VL038562.D

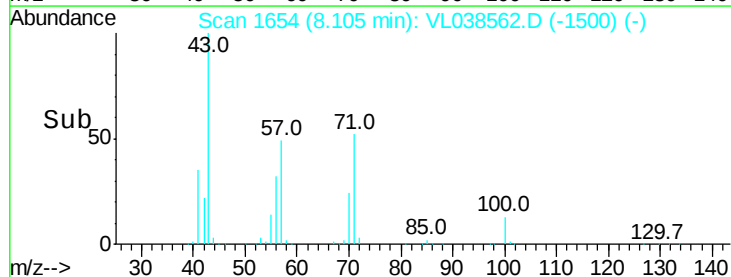
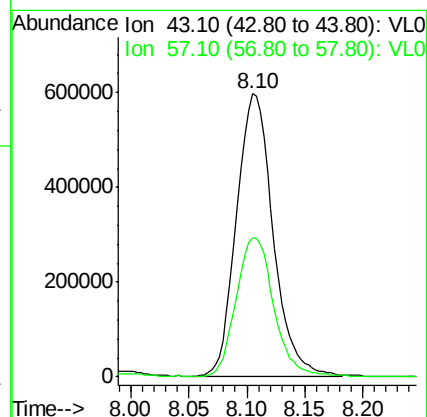
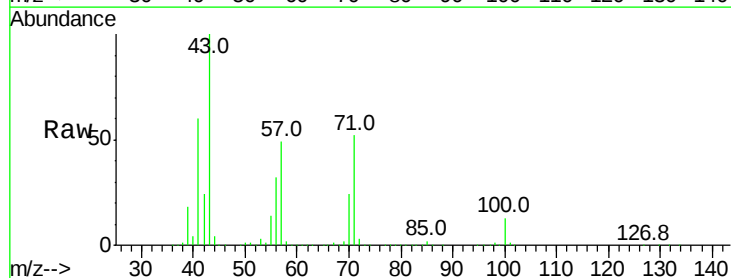
Acq: 8 Mar 2022 21:12

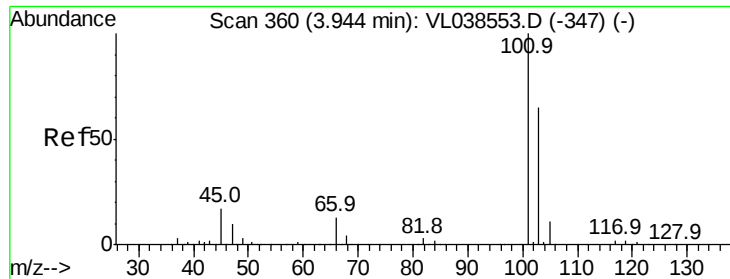
Tgt Ion: 43 Resp: 1301897

Ion Ratio Lower Upper

43 100

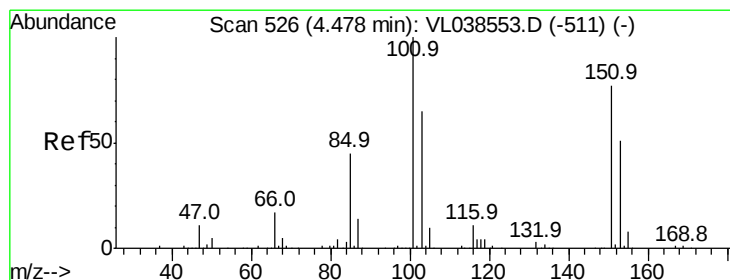
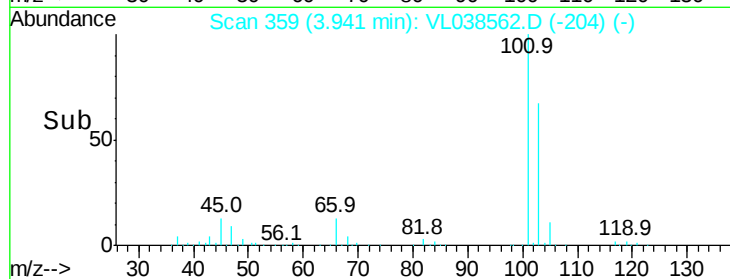
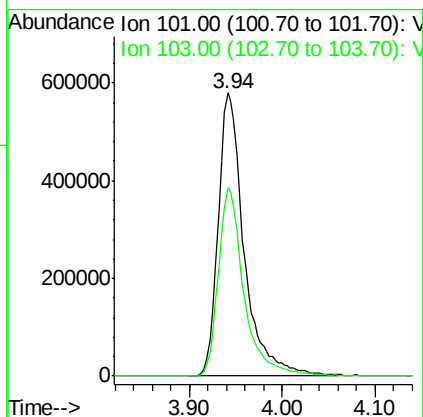
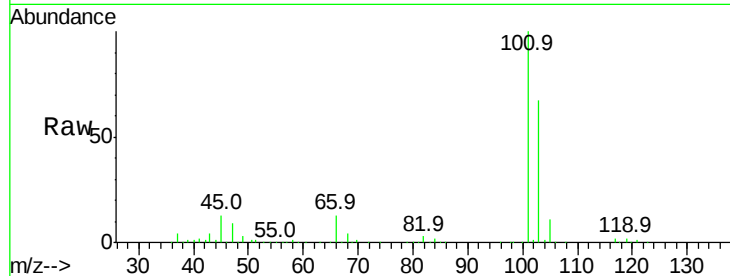
57 50.8 39.6 59.4





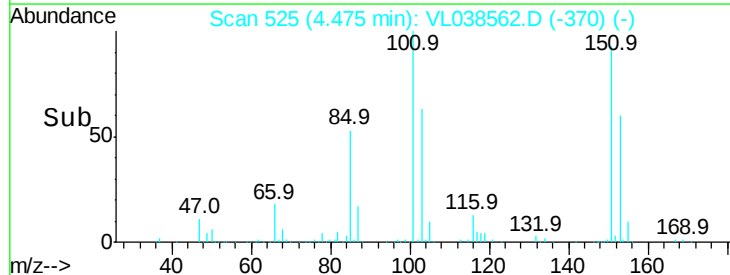
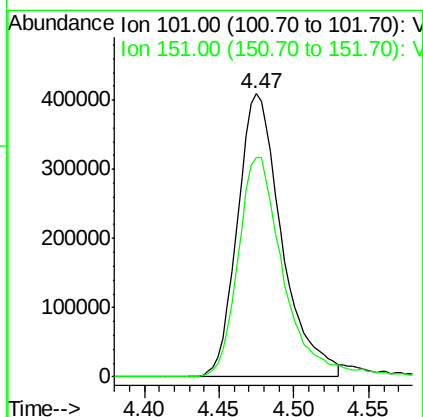
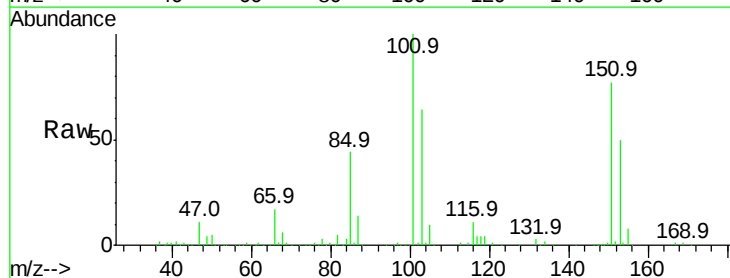
#11
 Trichlorofluoromethane
 Concen: 9.59 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

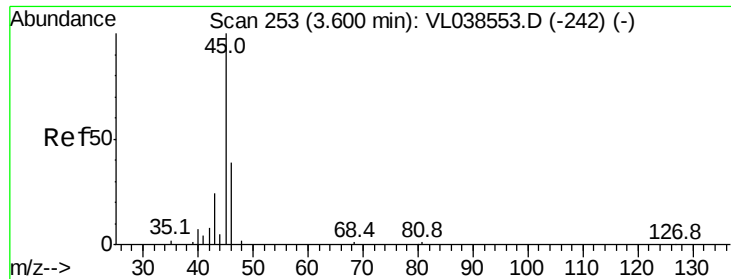
Tgt Ion:101 Resp: 1126344
 Ion Ratio Lower Upper
 101 100
 103 66.6 52.0 78.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.22 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

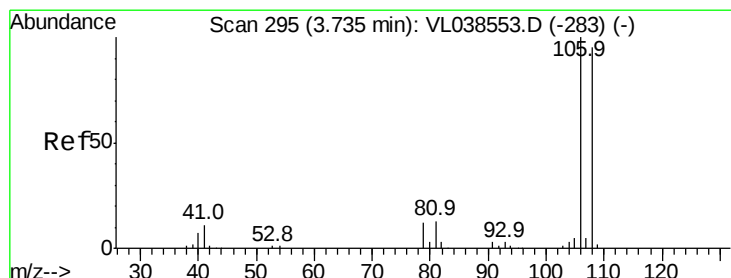
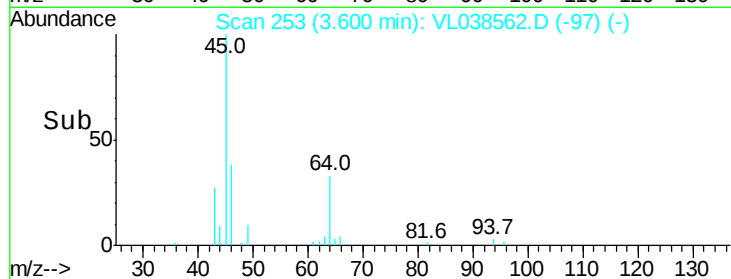
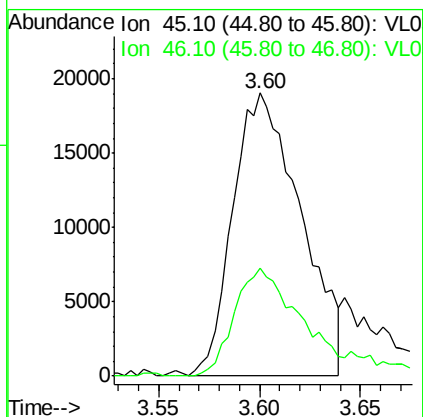
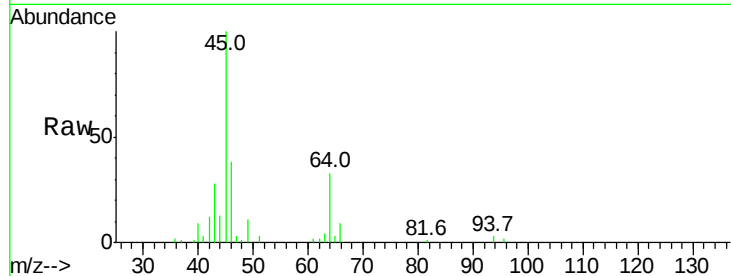
Tgt Ion:101 Resp: 842452
 Ion Ratio Lower Upper
 101 100
 151 80.5 63.4 95.0





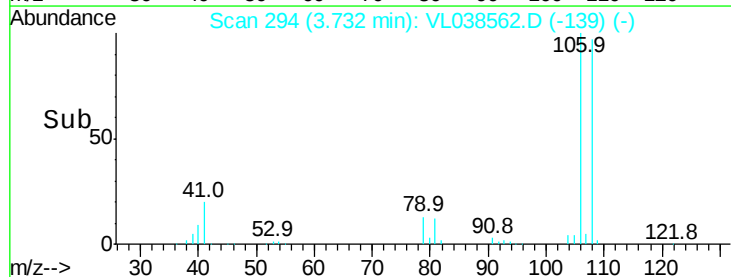
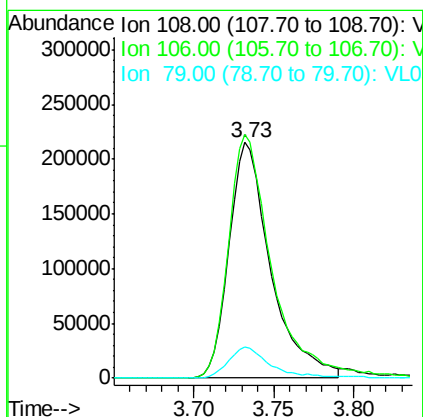
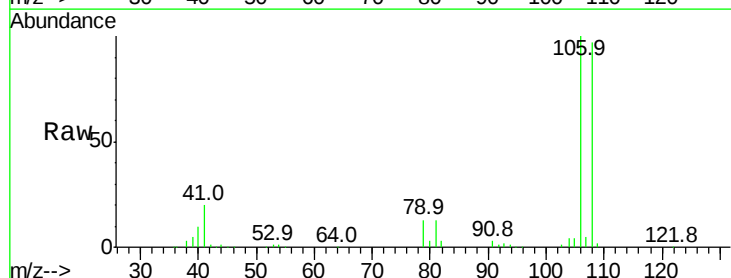
#13
Ethanol
Concen: 7.09 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 21:12

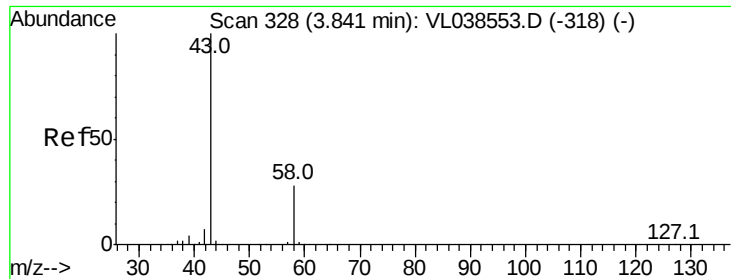
Tgt Ion: 45 Resp: 44925
Ion Ratio Lower Upper
45 100
46 44.5 16.8 67.0



#14
Bromoethene
Concen: 9.84 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL038562.D
Acq: 8 Mar 2022 21:12

Tgt Ion: 108 Resp: 383043
Ion Ratio Lower Upper
108 100
106 109.6 85.9 128.9
79 13.8 11.0 16.6





#15

Acetone

Concen: 8.90 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

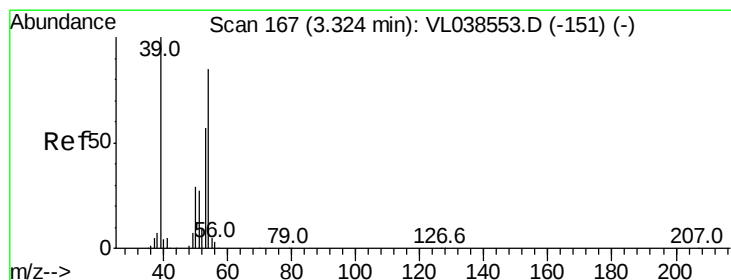
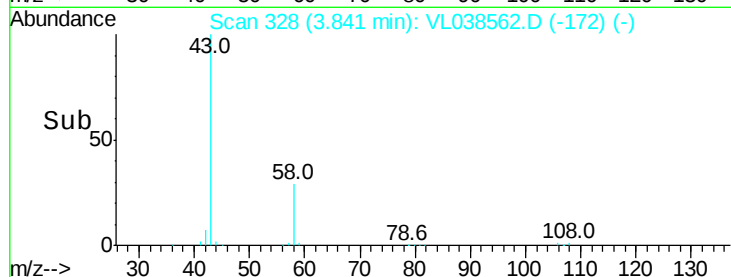
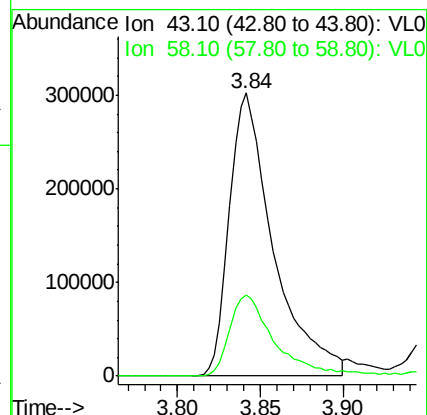
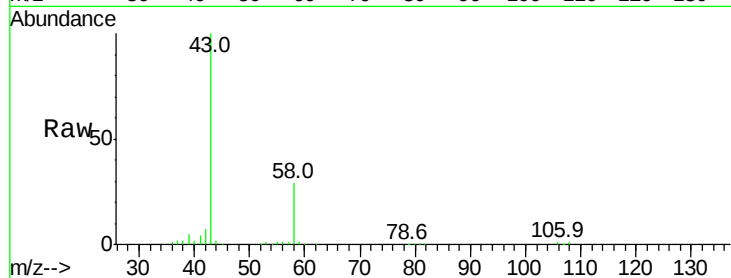
Acq: 8 Mar 2022 21:12

Tgt Ion: 43 Resp: 556584

Ion Ratio Lower Upper

43 100

58 29.9 22.7 34.1



#16

1,3-Butadiene

Concen: 9.74 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL038562.D

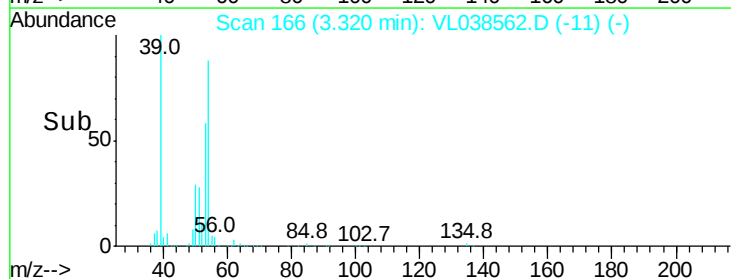
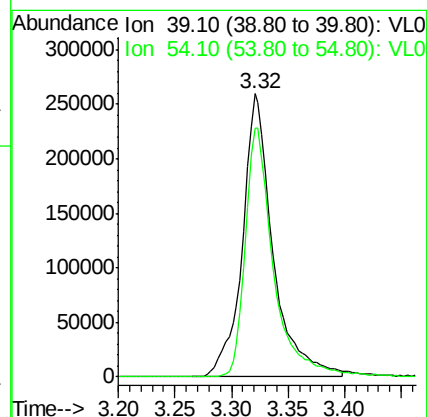
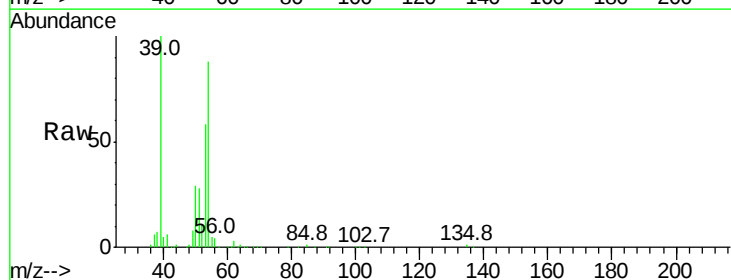
Acq: 8 Mar 2022 21:12

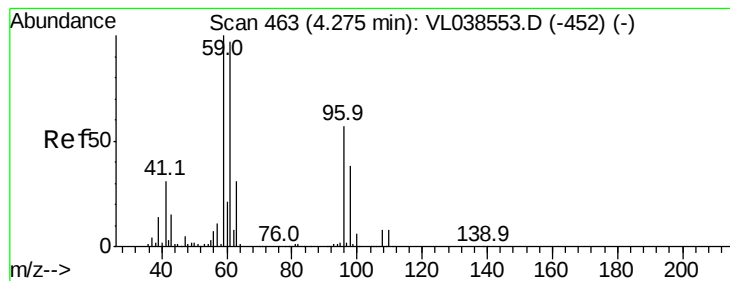
Tgt Ion: 39 Resp: 489870

Ion Ratio Lower Upper

39 100

54 82.1 64.2 96.2





#17

tert-Butyl alcohol

Concen: 9.20 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

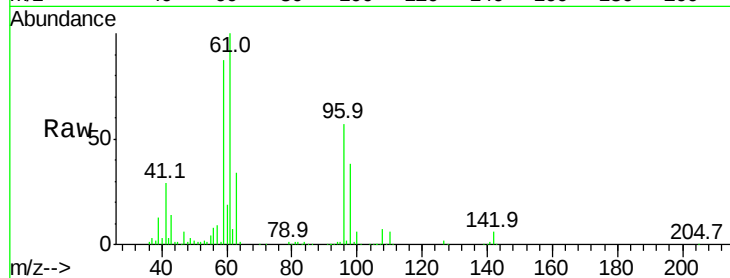
Acq: 8 Mar 2022 21:12

Tgt Ion: 59 Resp: 625515

Ion Ratio Lower Upper

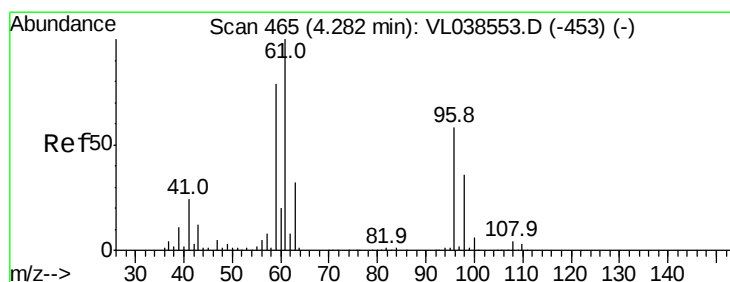
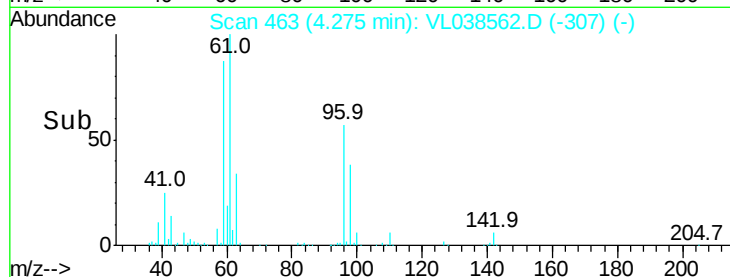
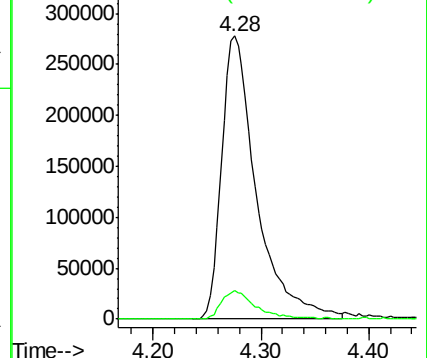
59 100

57 10.2 8.1 12.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.53 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL038562.D

Acq: 8 Mar 2022 21:12

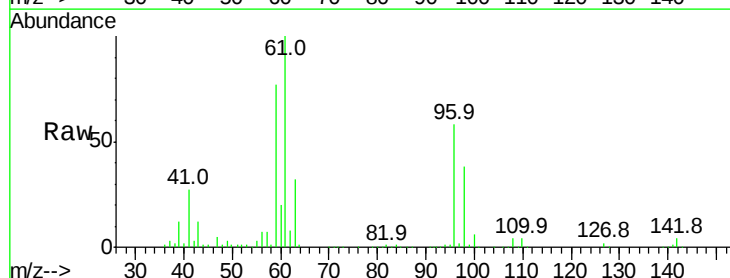
Tgt Ion: 96 Resp: 389535

Ion Ratio Lower Upper

96 100

61 171.4 137.4 206.0

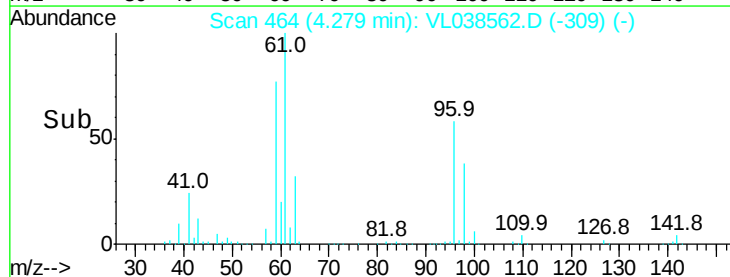
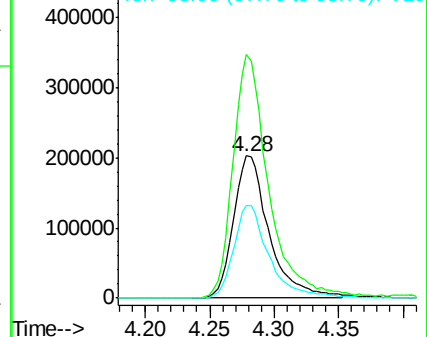
98 64.8 49.3 73.9

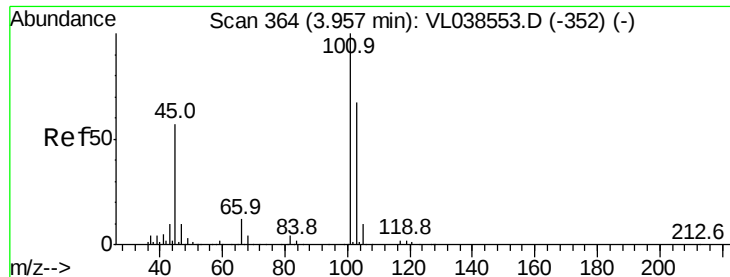


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.84 ppbv

RT: 3.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

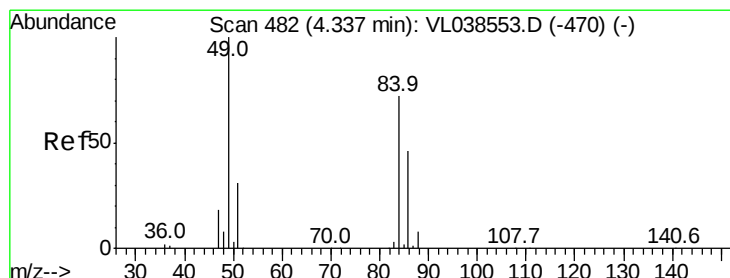
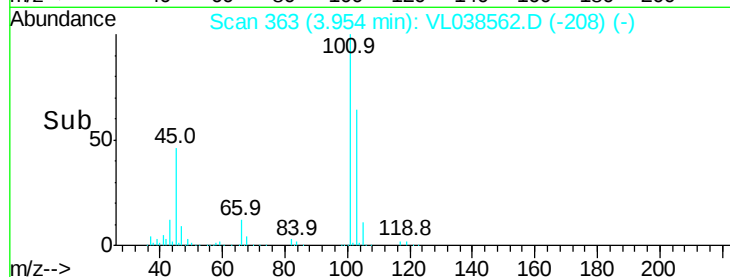
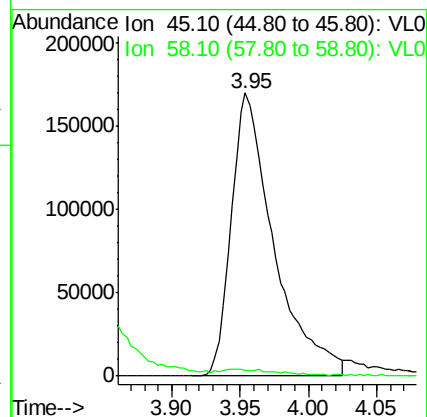
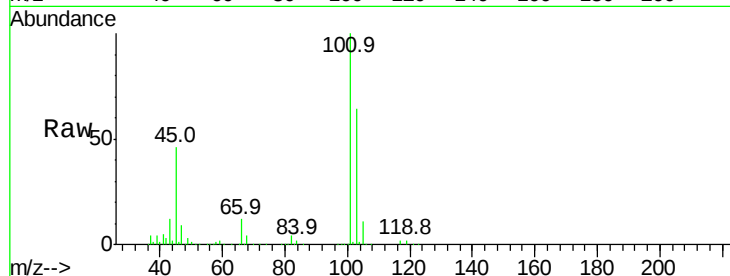
Acq: 8 Mar 2022 21:12

Tgt Ion: 45 Resp: 369077

Ion Ratio Lower Upper

45 100

58 3.2 2.2 3.2



#20

Methylene Chloride

Concen: 8.40 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL038562.D

Acq: 8 Mar 2022 21:12

Tgt Ion: 84 Resp: 316341

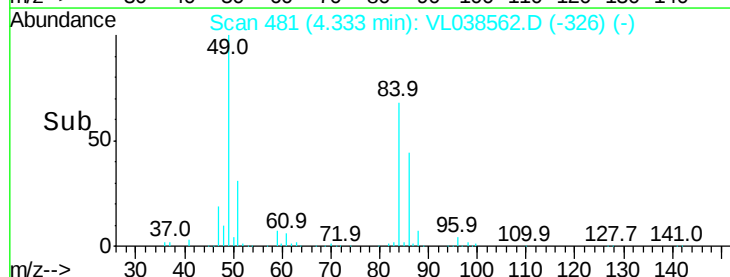
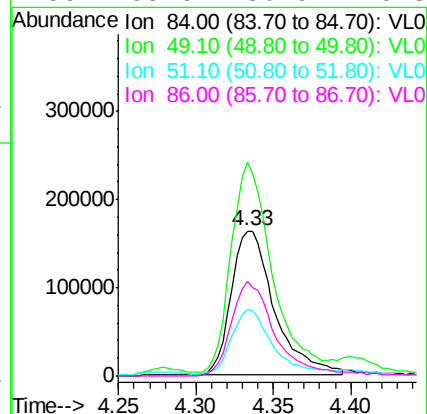
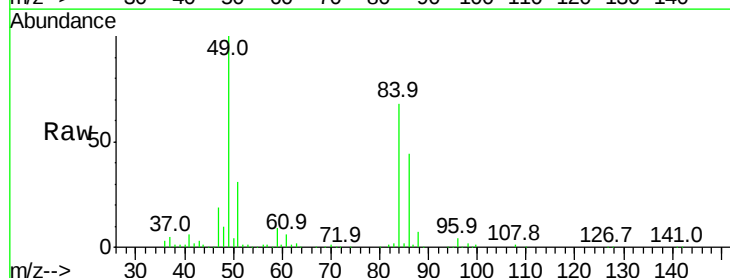
Ion Ratio Lower Upper

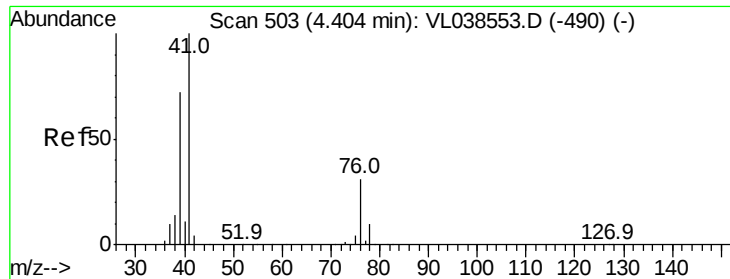
84 100

49 146.1 111.1 166.7

51 45.1 34.0 51.0

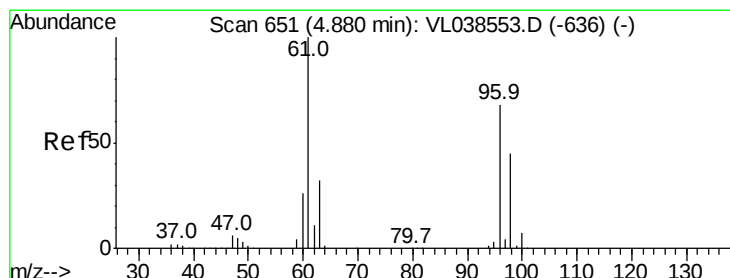
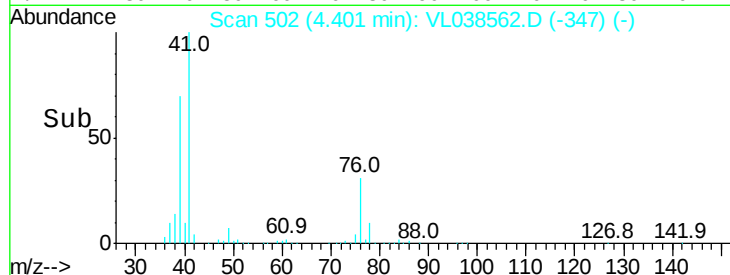
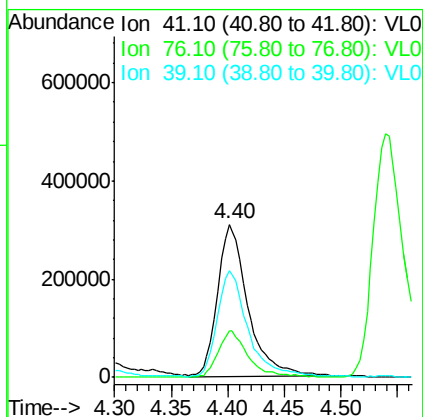
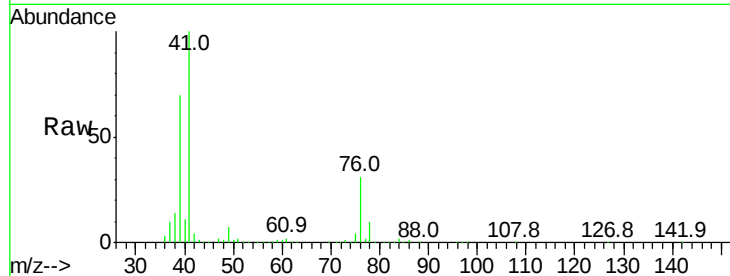
86 65.6 50.9 76.3





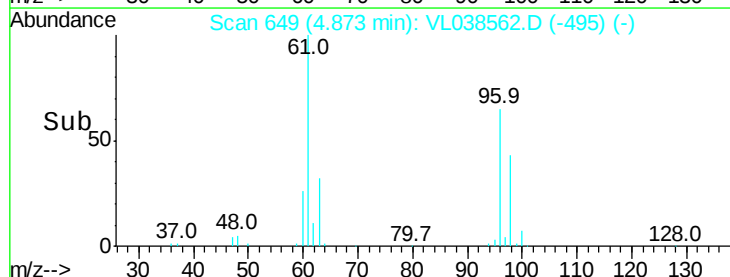
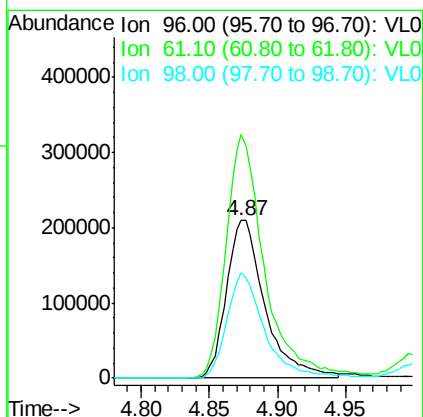
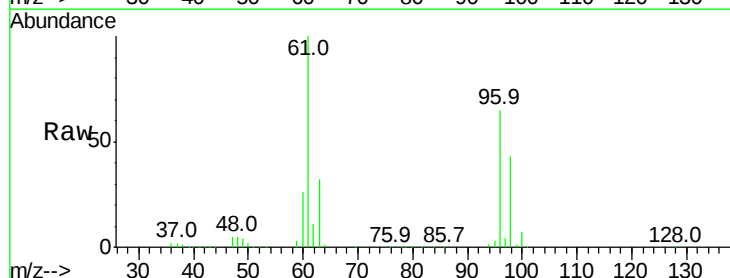
#21
 Allyl Chloride
 Concen: 9.53 ppbv
 RT: 4.40
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

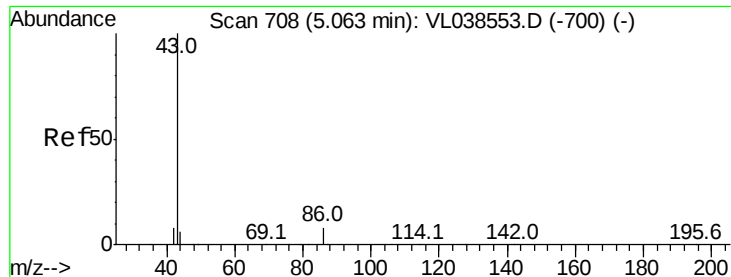
Tgt Ion: 41 Resp: 574462
 Ion Ratio Lower Upper
 41 100
 76 30.9 24.3 36.5
 39 70.8 57.1 85.7



#22
 trans-1,2-Dichloroethene
 Concen: 9.62 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

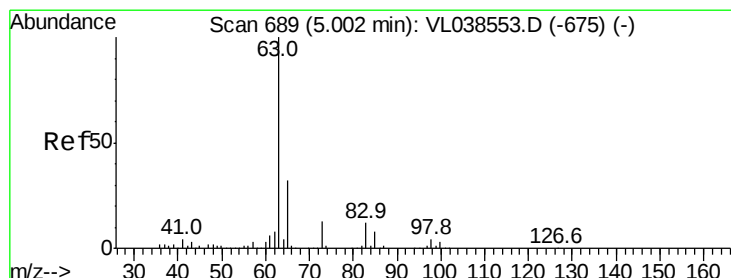
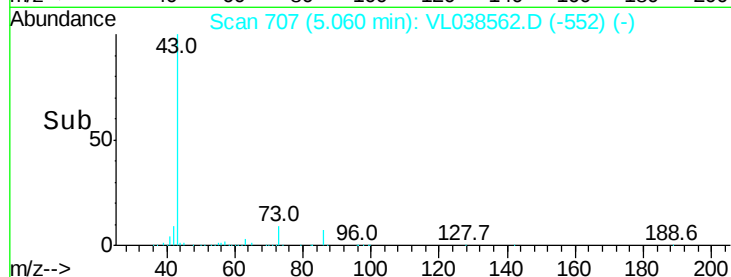
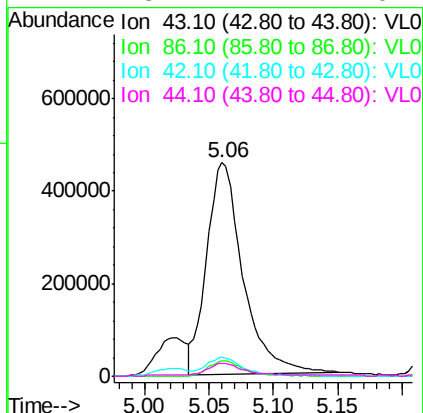
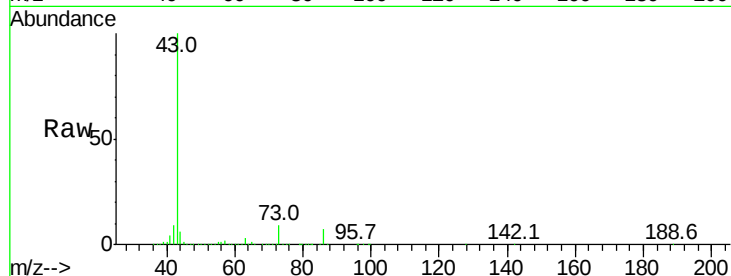
Tgt Ion: 96 Resp: 412097
 Ion Ratio Lower Upper
 96 100
 61 154.2 117.6 176.4
 98 66.4 52.6 78.8





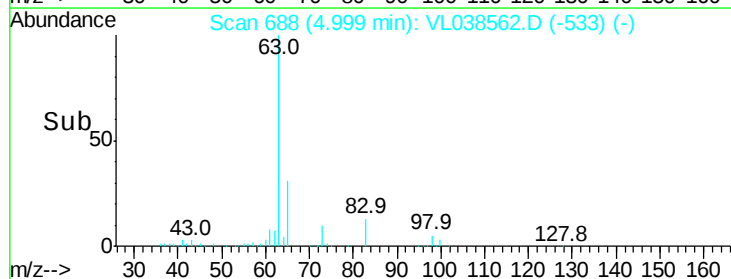
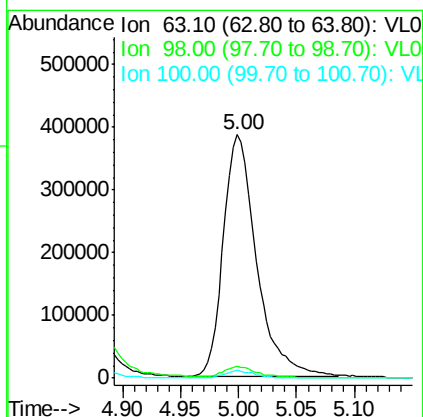
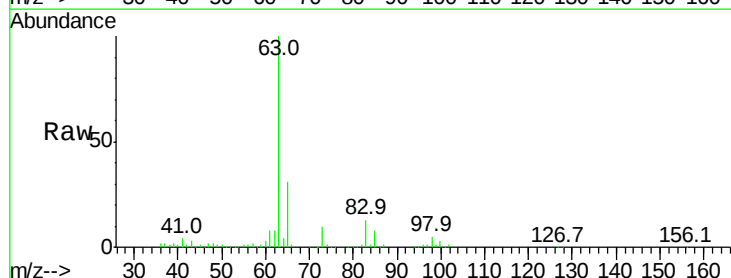
#23
 Vinyl Acetate
 Concen: 10.04 ppbv
 RT: 5.06
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

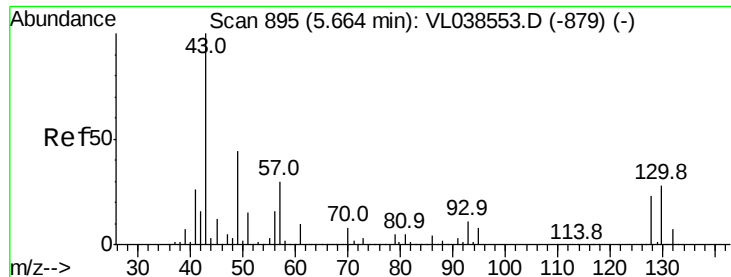
Tgt Ion:	43	Resp:	900557
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.6	8.4
42	8.7	7.1	10.7
44	5.4	4.1	6.1



#24
 1,1-Dichloroethane
 Concen: 9.44 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. -0.00 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

Tgt Ion:	63	Resp:	769872
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.2	6.6
100	3.2	1.5	4.5

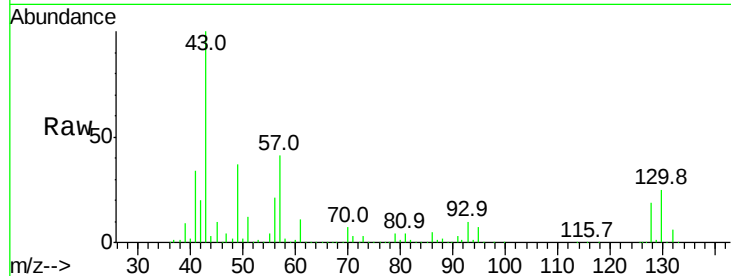




#25
Ethyl Acetate
Concen: 9.72 ppbv
RT: 5.66
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Mar 2022 21:12

Tgt Ion: 43 Resp: 2048200

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	10.3	8.2	12.4
70	6.8	5.4	8.2



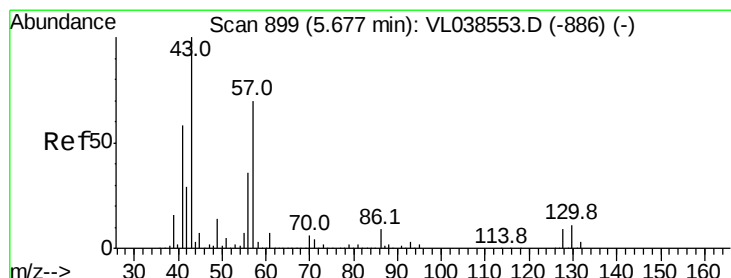
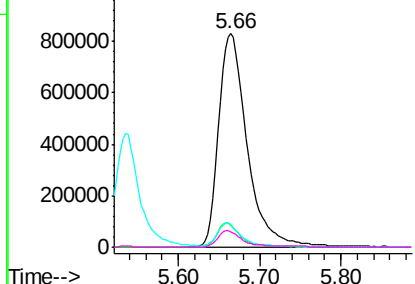
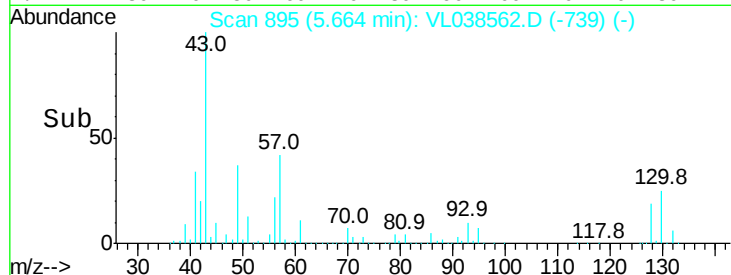
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

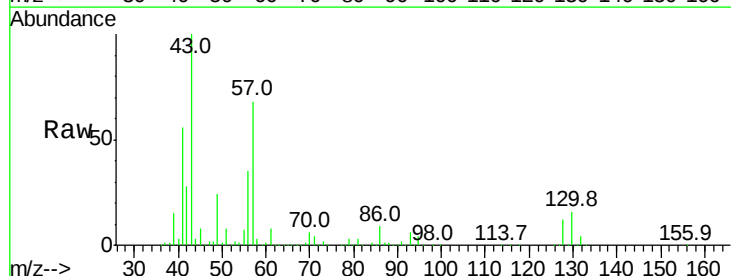
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.70 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: -0.00 min
Lab File: VL038562.D
Acq: 8 Mar 2022 21:12

Tgt Ion: 57 Resp: 960091

Ion	Ratio	Lower	Upper
57	100		
41	83.9	67.8	101.6
43	214.2	173.6	260.4
56	53.2	42.2	63.2



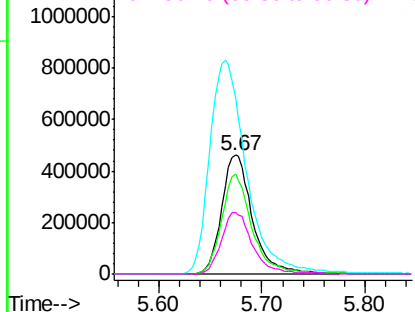
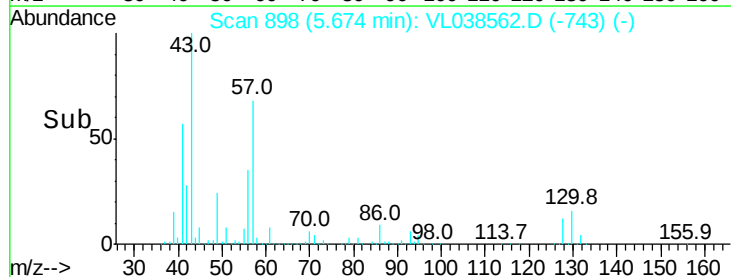
Abundance

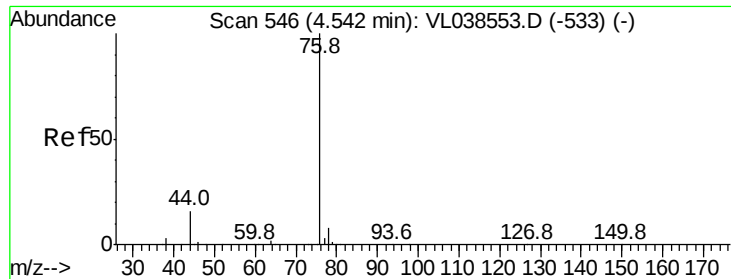
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

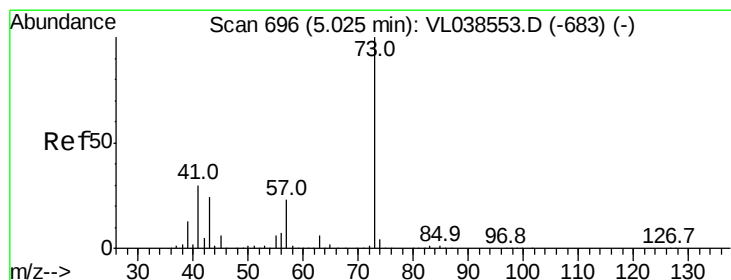
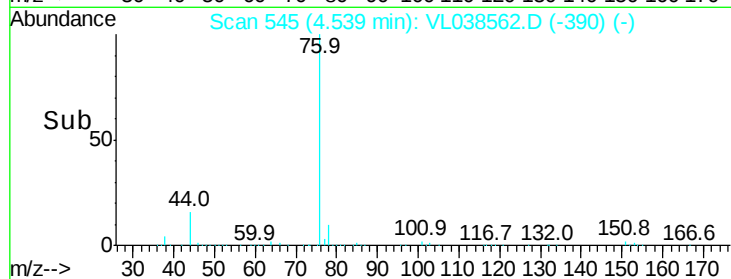
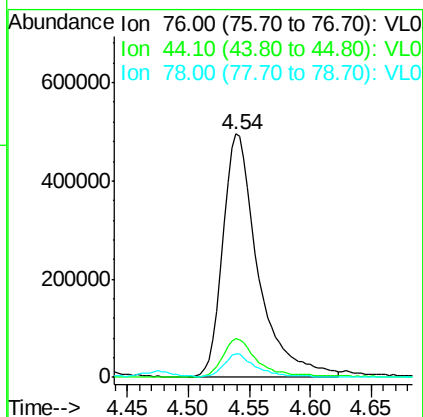
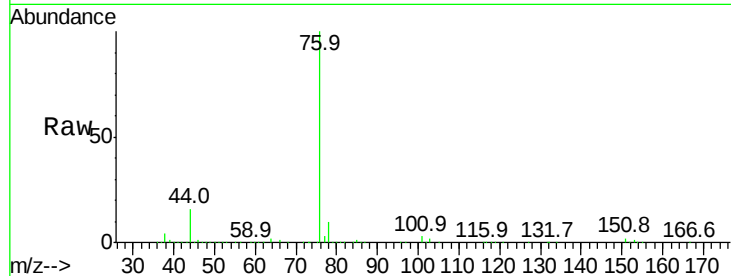
Ion 56.10 (55.80 to 56.80): VL0





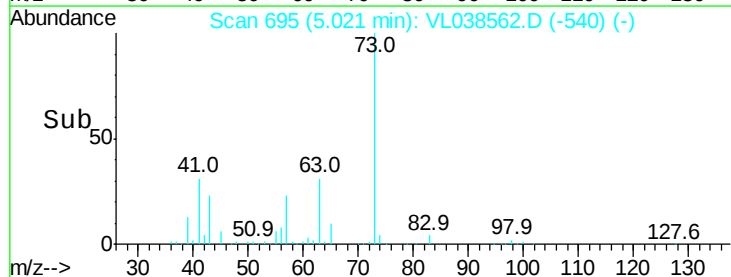
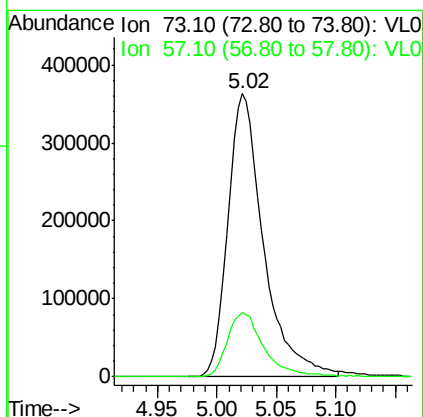
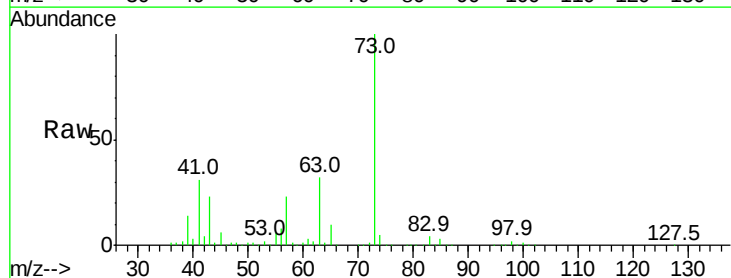
#27
 Carbon Disulfide
 Concen: 10.14 ppbv
 RT: 4.54
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

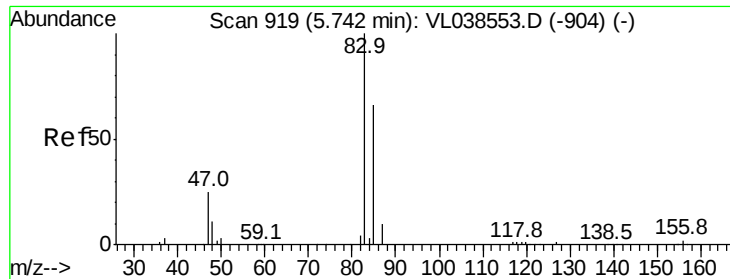
Tgt Ion: 76 Resp: 999492
 Ion Ratio Lower Upper
 76 100
 44 15.7 12.9 19.3
 78 9.6 7.8 11.6



#28
 Methyl tert-Butyl Ether
 Concen: 9.36 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

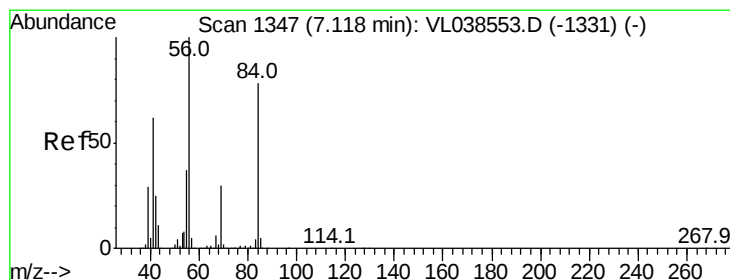
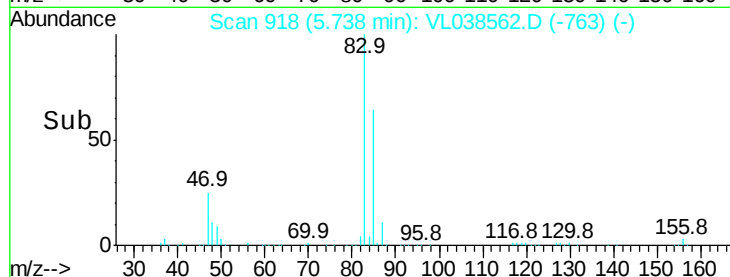
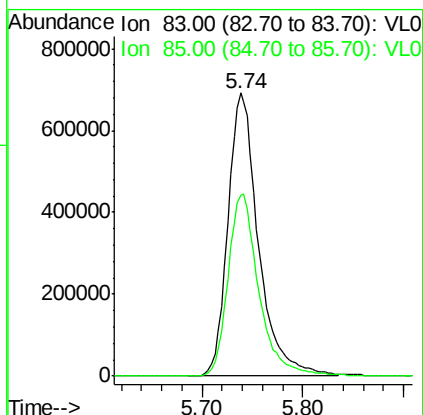
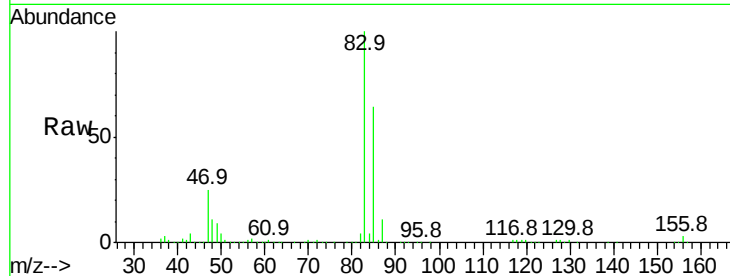
Tgt Ion: 73 Resp: 753487
 Ion Ratio Lower Upper
 73 100
 57 23.9 18.8 28.2





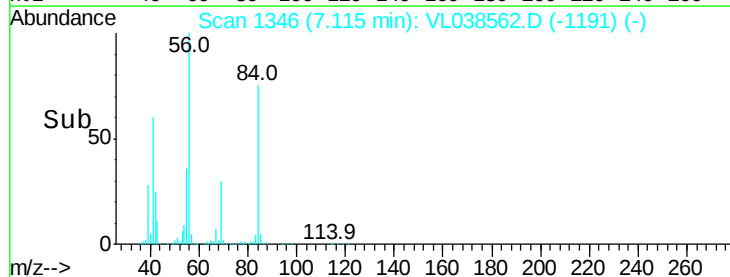
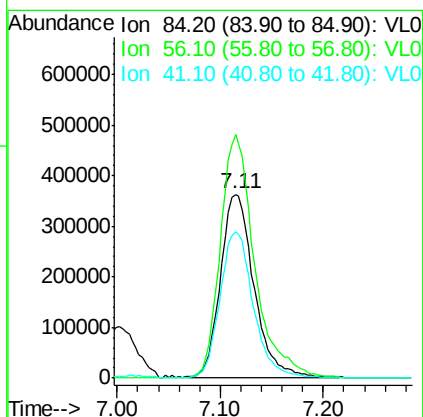
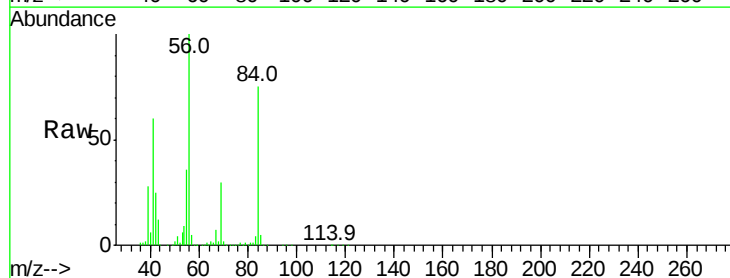
#29
Chloroform
Concen: 9.47 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 21:12

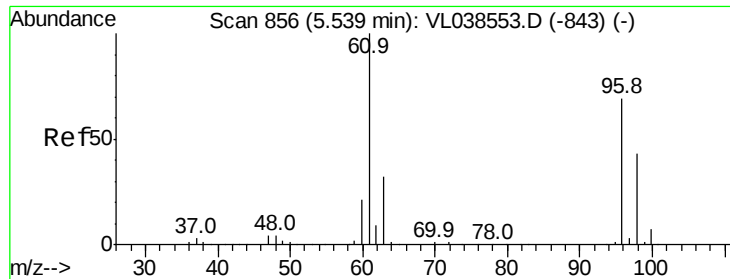
Tgt Ion: 83 Resp: 1458776
Ion Ratio Lower Upper
83 100
85 63.7 52.8 79.2



#30
Cyclohexane
Concen: 9.44 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VL038562.D
Acq: 8 Mar 2022 21:12

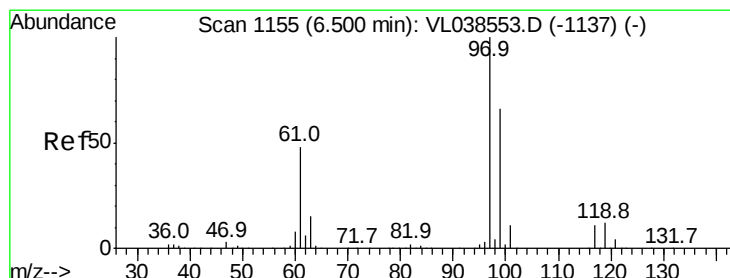
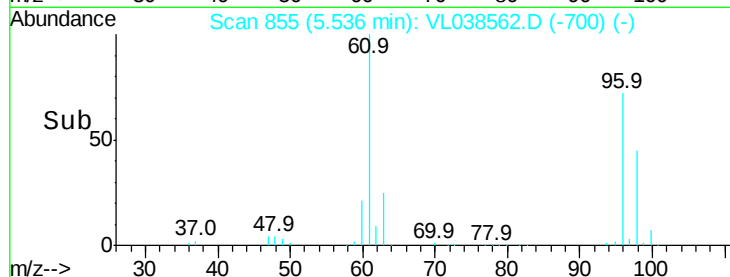
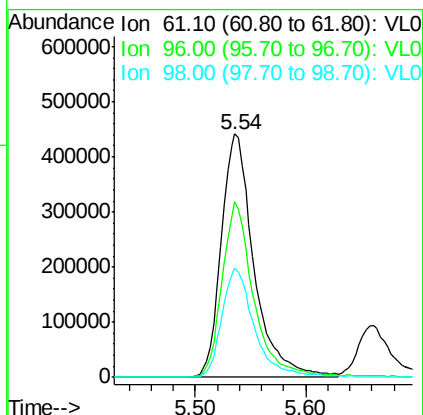
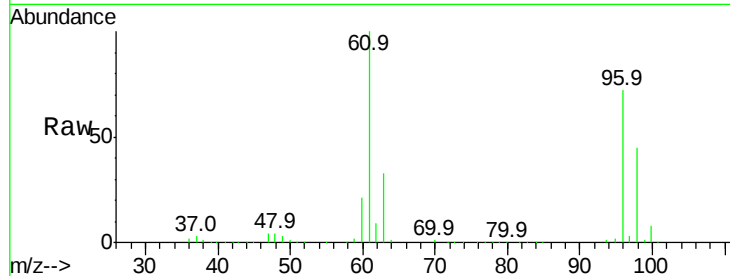
Tgt Ion: 84 Resp: 807953
Ion Ratio Lower Upper
84 100
56 138.9 111.4 167.0
41 81.4 65.5 98.3





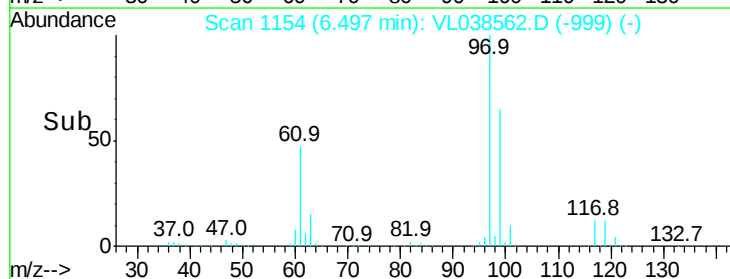
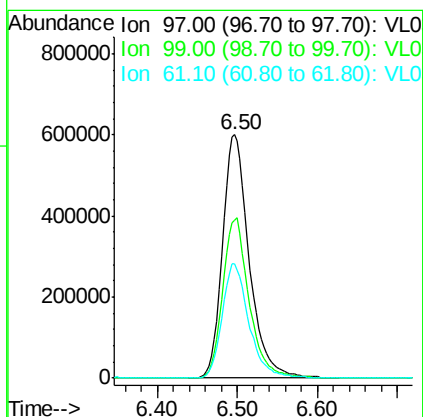
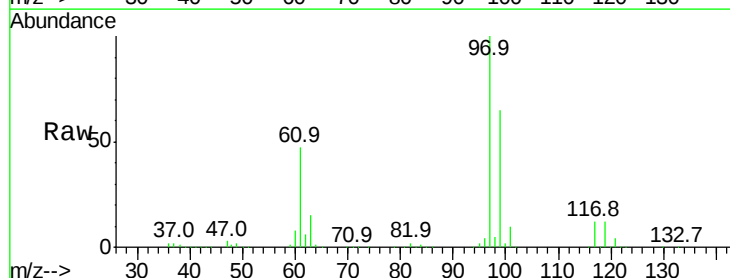
#31
 cis-1,2-Dichloroethene
 Concen: 9.61 ppbv
 RT: 5.54
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

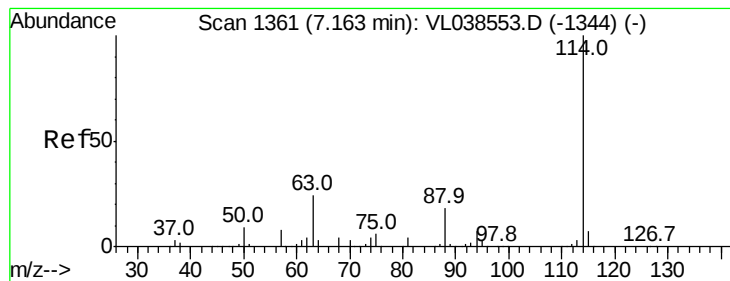
Tgt Ion: 61 Resp: 909777
 Ion Ratio Lower Upper
 61 100
 96 71.9 55.2 82.8
 98 44.8 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 9.19 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

Tgt Ion: 97 Resp: 1372823
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.1 78.1
 61 47.6 37.7 56.5





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 21:12

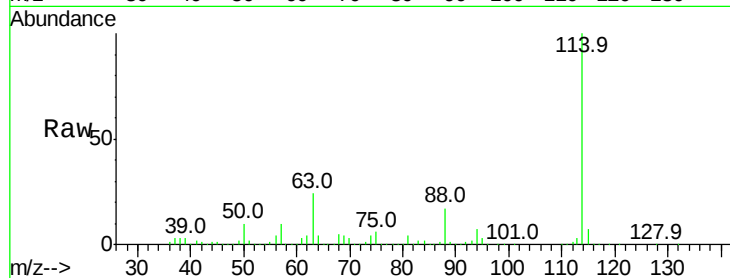
Tgt Ion:114 Resp: 2339143

Ion Ratio Lower Upper

114 100

63 24.1 19.6 29.4

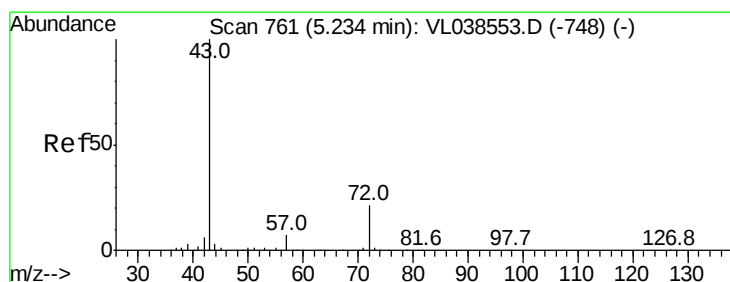
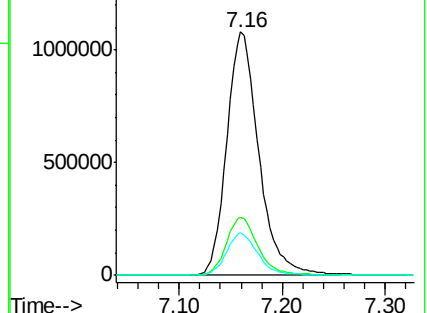
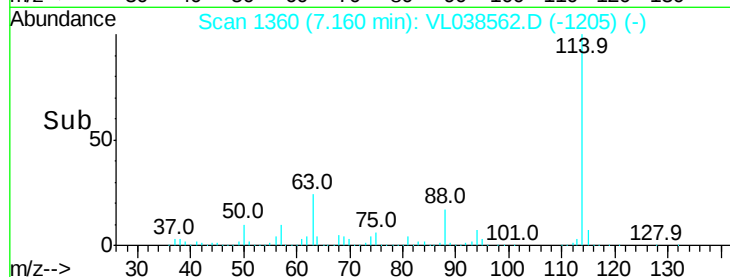
88 17.2 13.9 20.9



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: 10.50 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.00 min

Lab File: VL038562.D

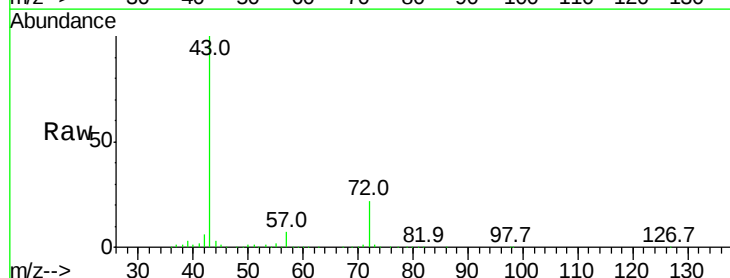
Acq: 8 Mar 2022 21:12

Tgt Ion: 43 Resp: 636471

Ion Ratio Lower Upper

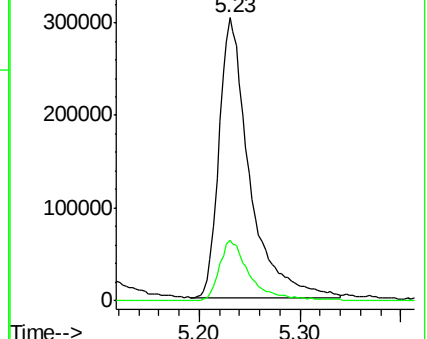
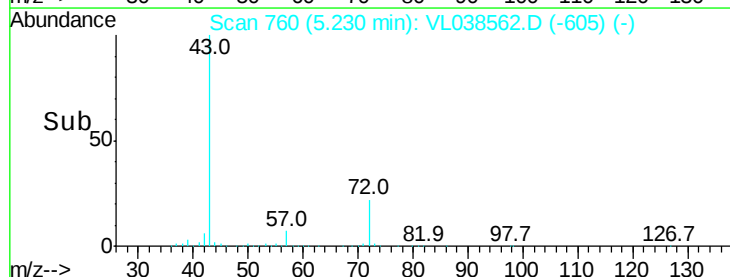
43 100

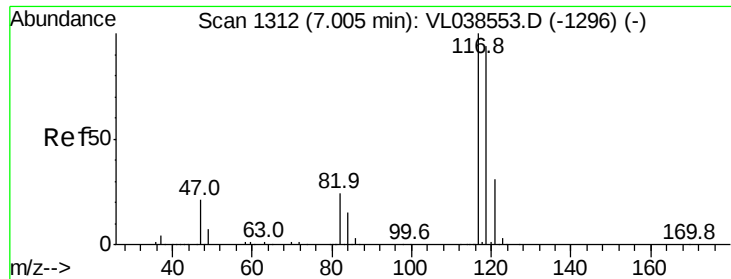
72 22.3 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

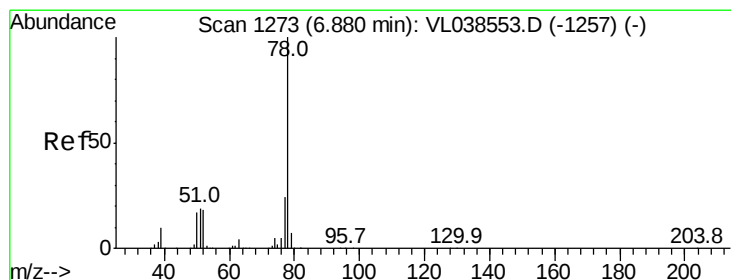
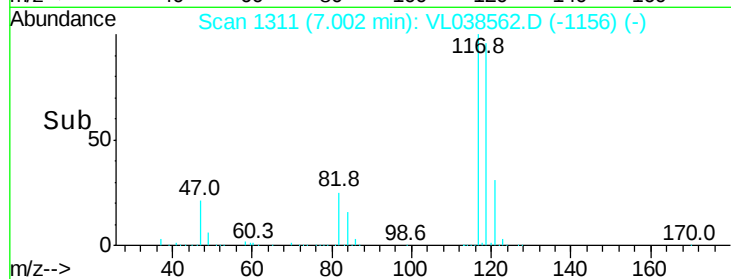
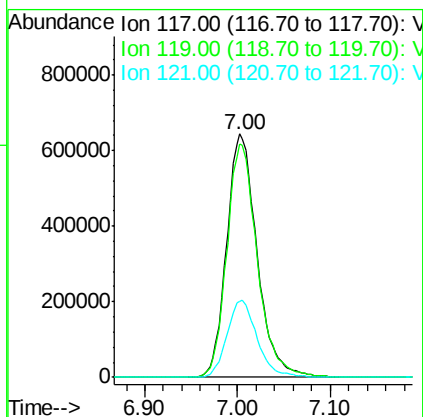
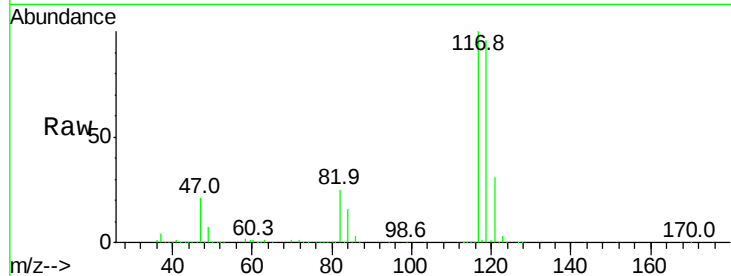
Ion 72.10 (71.80 to 72.80): VL0





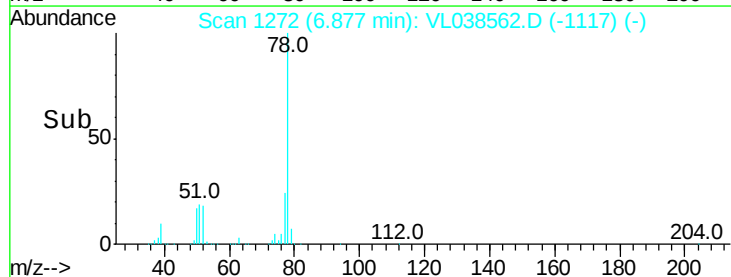
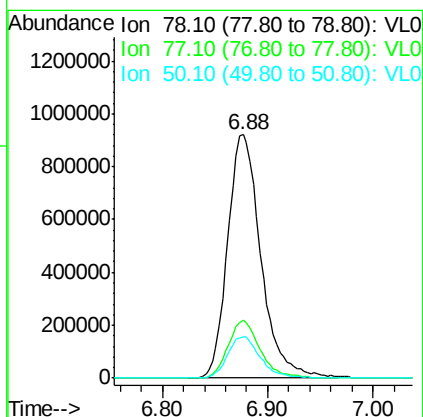
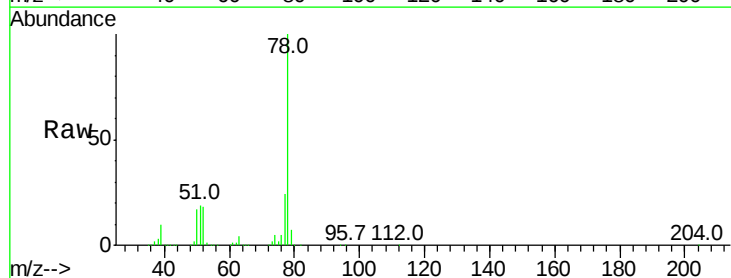
#35
Carbon Tetrachloride
Concen: 9.17 ppbv
RT: 7.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 21:12

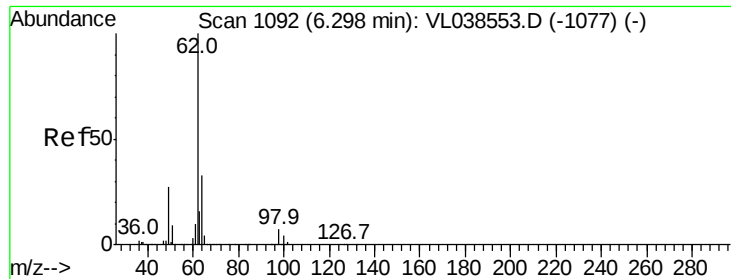
Tgt Ion: 117 Resp: 1463482
Ion Ratio Lower Upper
117 100
119 96.0 75.2 112.8
121 31.1 24.8 37.2



#36
Benzene
Concen: 9.55 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VL038562.D
Acq: 8 Mar 2022 21:12

Tgt Ion: 78 Resp: 2015032
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4
50 16.9 13.9 20.9





#37

1,2-Dichloroethane

Concen: 9.56 ppbv

RT: 6.29

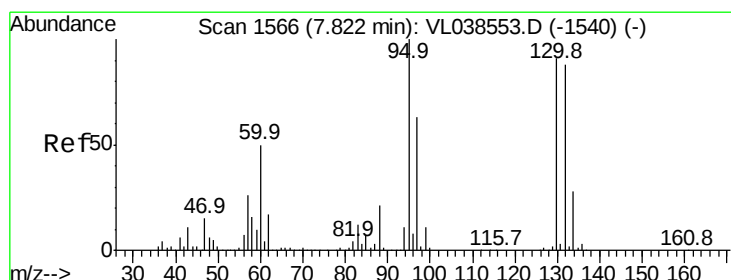
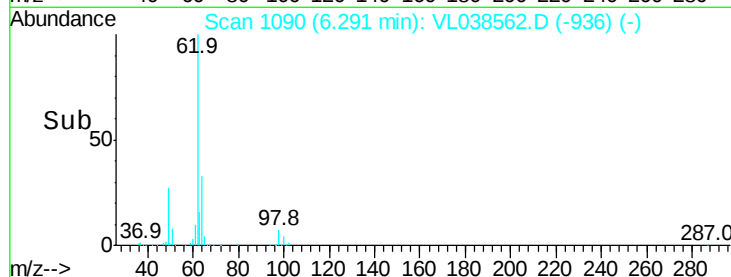
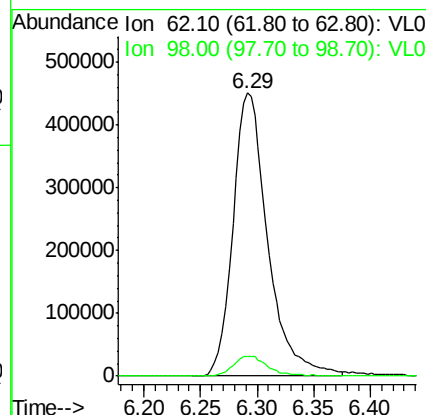
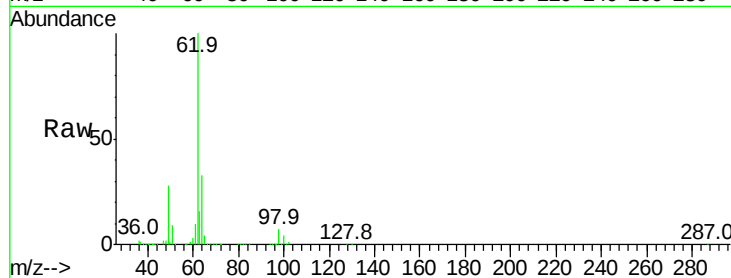
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Mar 2022 21:12

Tgt Ion: 62 Resp: 964247

Ion	Ratio	Lower	Upper
62	100		
98	7.4	5.7	8.5



#38

Trichloroethene

Concen: 9.25 ppbv

RT: 7.82 min Scan# 1565

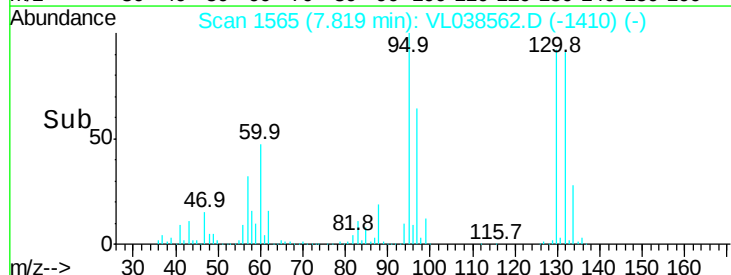
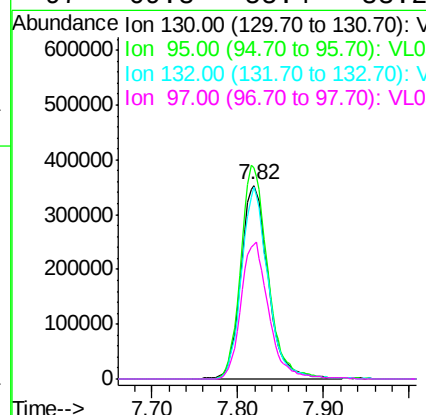
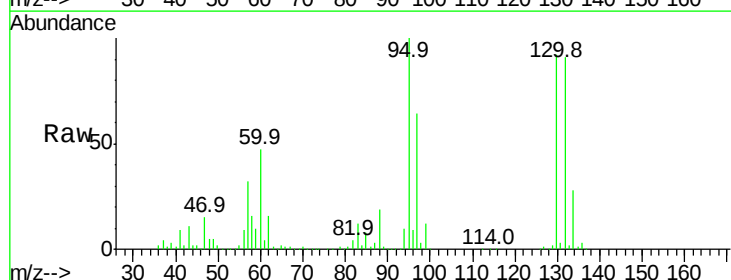
Delta R.T. -0.00 min

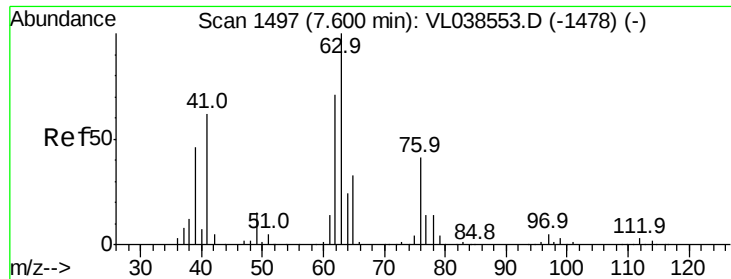
Lab File: VL038562.D

Acq: 8 Mar 2022 21:12

Tgt Ion: 130 Resp: 779800

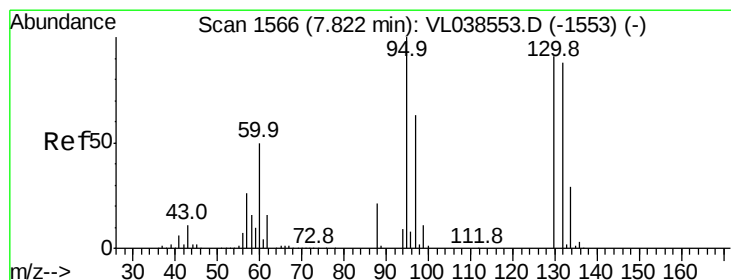
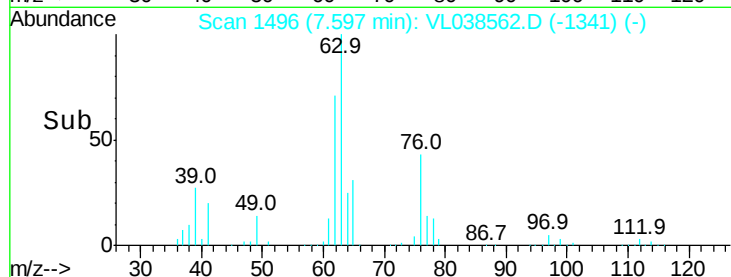
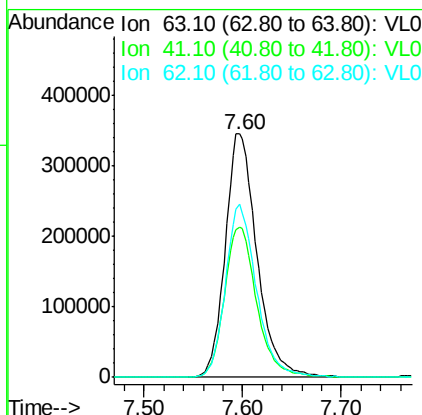
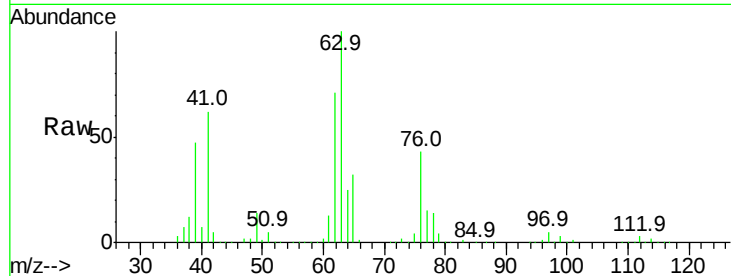
Ion	Ratio	Lower	Upper
130	100		
95	109.2	87.8	131.8
132	99.0	77.5	116.3
97	69.8	55.4	83.2





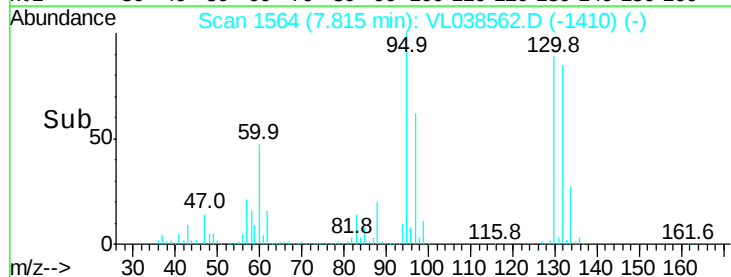
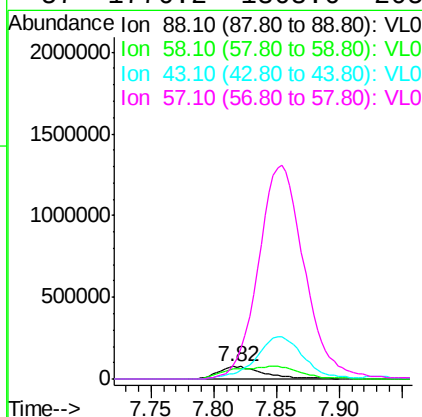
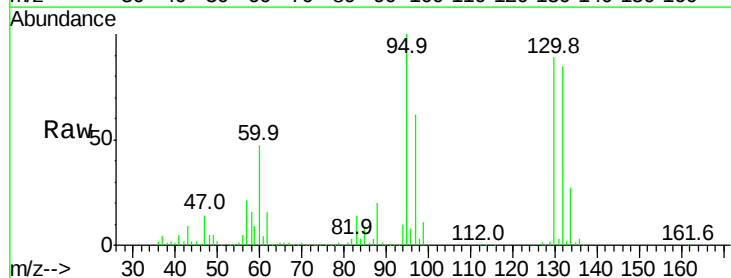
#39
 1,2-Dichloropropane
 Concen: 9.56 ppbv
 RT: 7.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

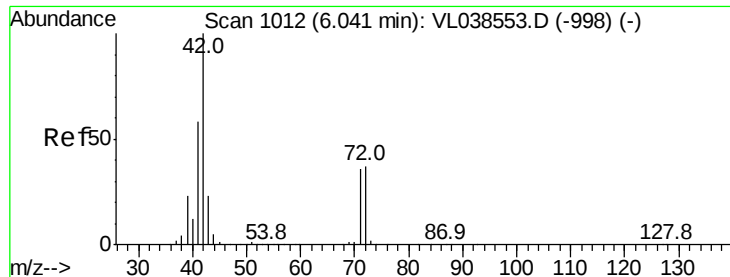
Tgt Ion: 63 Resp: 776166
 Ion Ratio Lower Upper
 63 100
 41 61.7 49.8 74.6
 62 70.9 56.7 85.1



#40
 1,4-Dioxane
 Concen: 9.29 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

Tgt Ion: 88 Resp: 188846
 Ion Ratio Lower Upper
 88 100
 58 161.4 126.7 190.1
 43 364.9 303.0 454.6
 57 1776.2 1368.6 2053.0





#41

Tetrahydrofuran

Concen: 9.72 ppbv

RT: 6.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 21:12

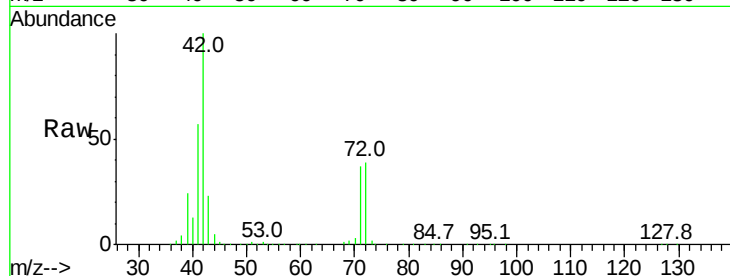
Tgt Ion: 42 Resp: 482068

Ion Ratio Lower Upper

42 100

72 38.2 30.9 46.3

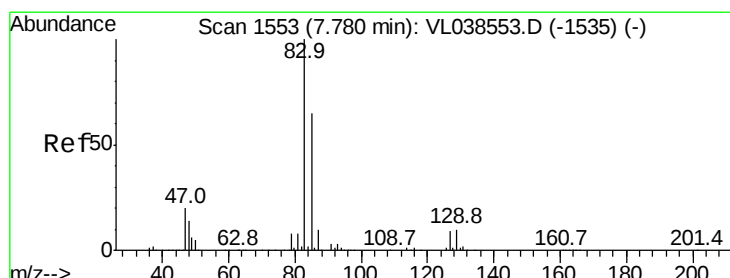
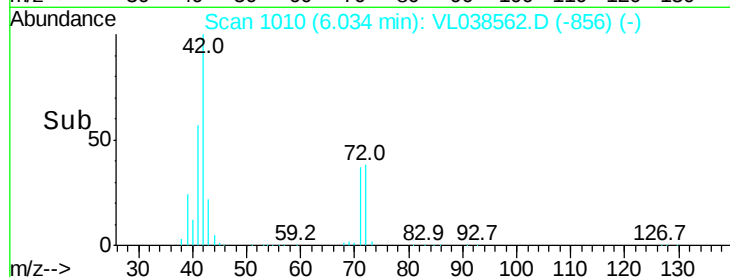
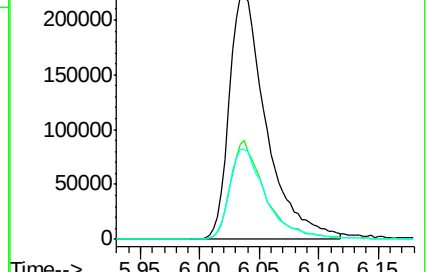
71 37.0 29.1 43.7



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: 9.68 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.00 min

Lab File: VL038562.D

Acq: 8 Mar 2022 21:12

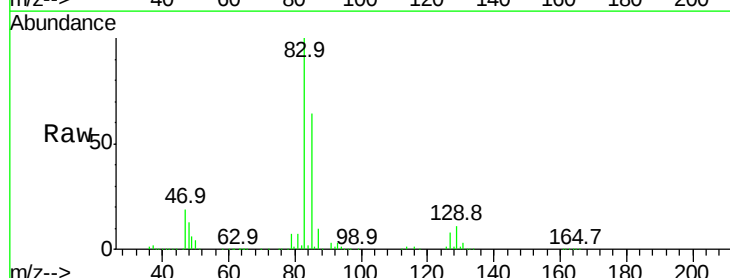
Tgt Ion: 83 Resp: 1547807

Ion Ratio Lower Upper

83 100

85 64.2 51.7 77.5

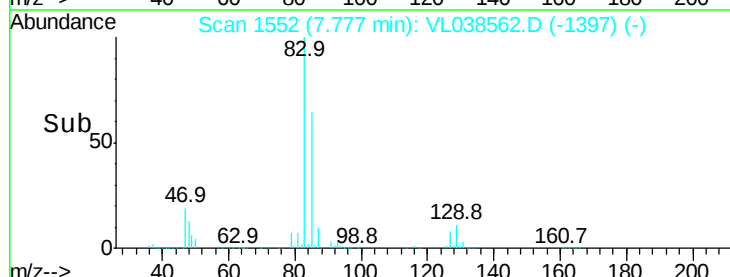
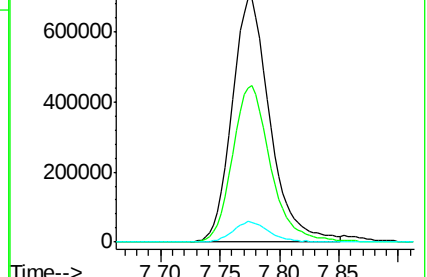
127 7.9 6.9 10.3

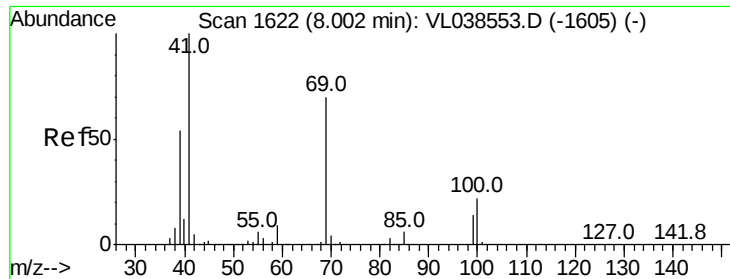


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.19 ppbv

RT: 8.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Mar 2022 21:12

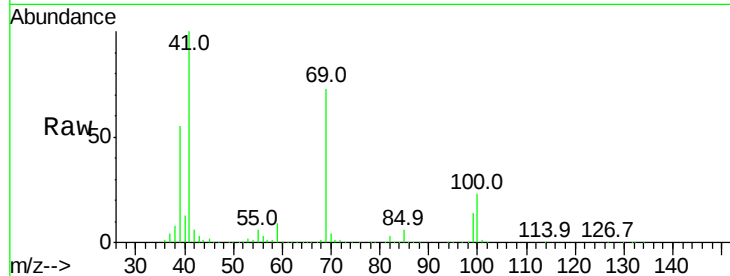
Tgt Ion: 69 Resp: 738638

Ion Ratio Lower Upper

69 100

41 138.4 113.8 170.6

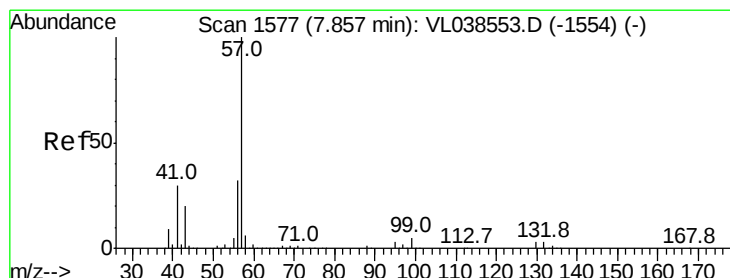
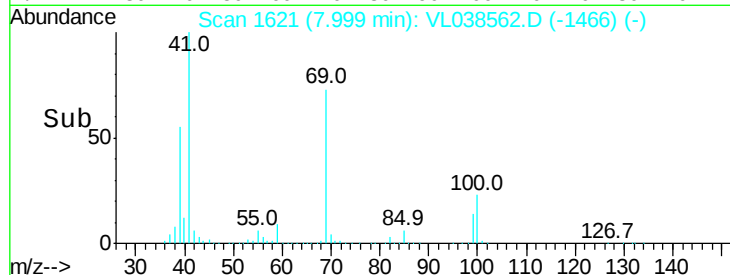
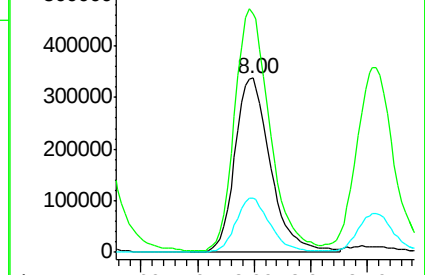
100 30.5 24.4 36.6



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: 9.40 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VL038562.D

Acq: 8 Mar 2022 21:12

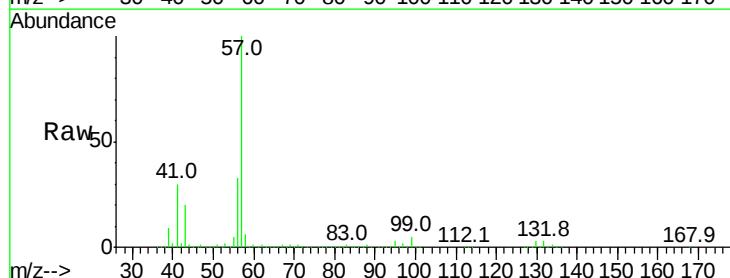
Tgt Ion: 57 Resp: 3353599

Ion Ratio Lower Upper

57 100

41 29.4 24.0 36.0

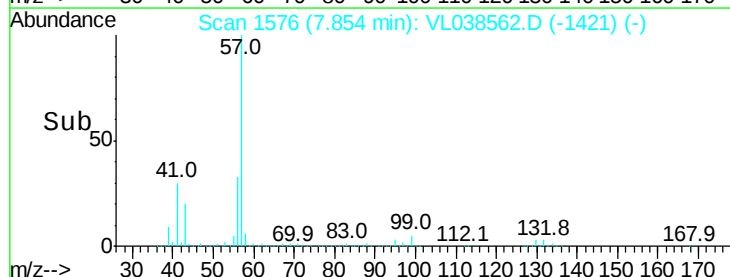
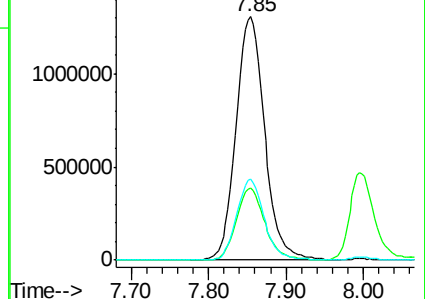
56 31.9 25.6 38.4

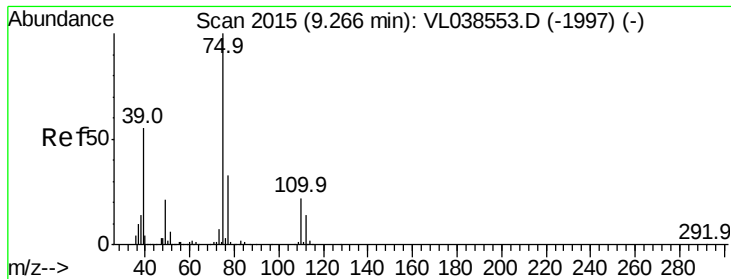


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 11.05 ppbv

RT: 9.26

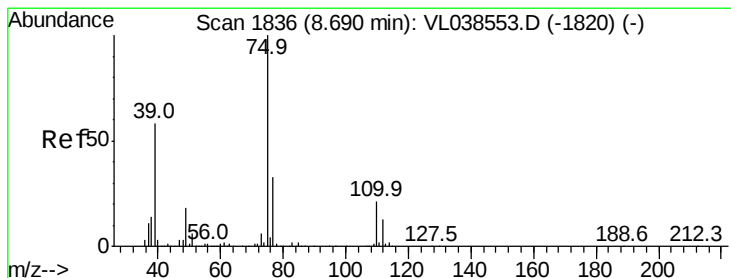
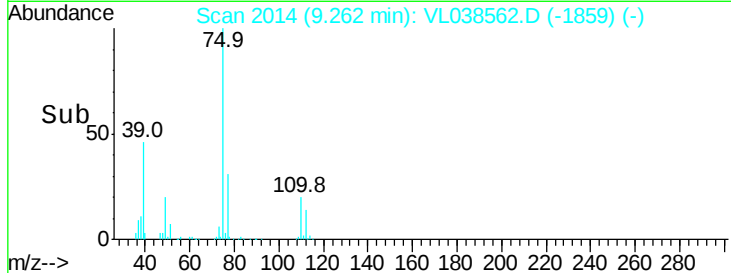
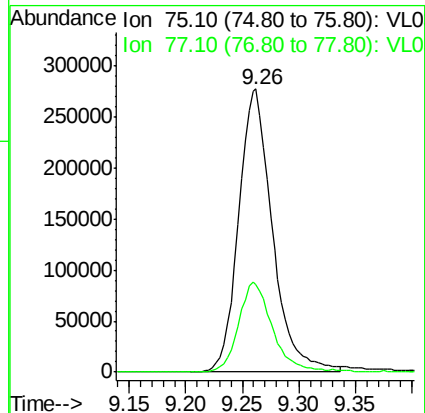
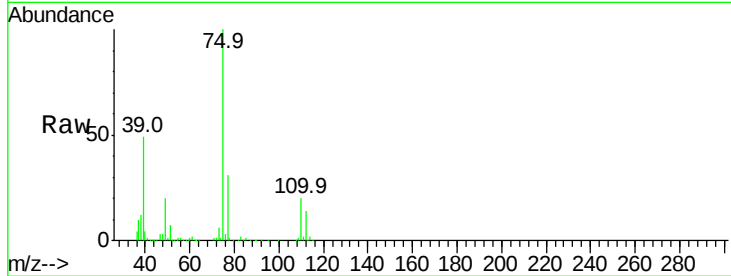
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Mar 2022 21:12

Tgt Ion: 75 Resp: 577245

Ion	Ratio	Lower	Upper
75	100		
77	30.8	26.6	40.0



#46

cis-1,3-Dichloropropene

Concen: 10.60 ppbv

RT: 8.68 min Scan# 1834

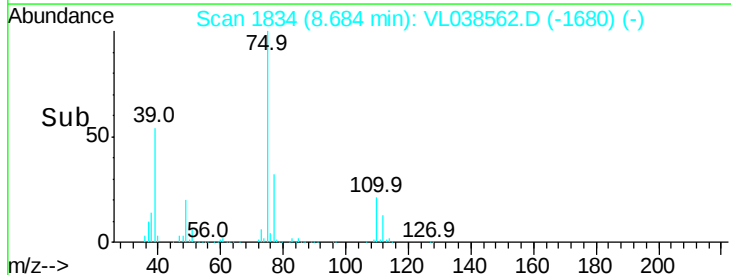
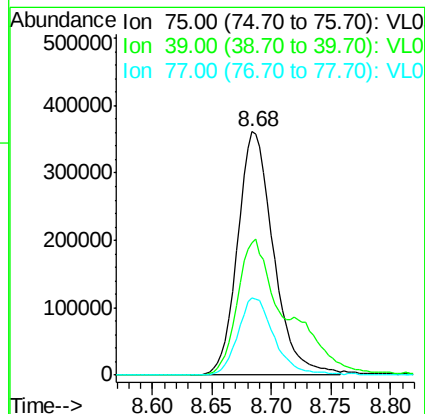
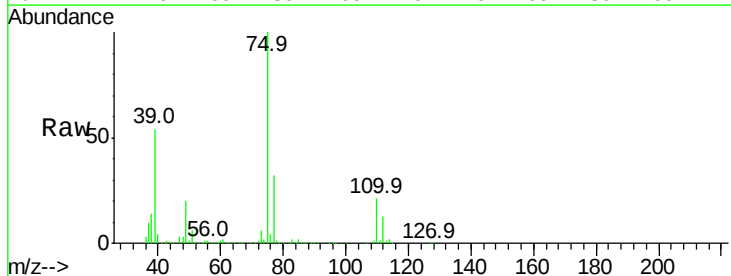
Delta R.T. -0.01 min

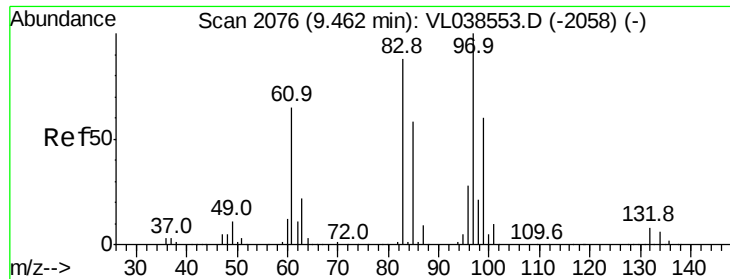
Lab File: VL038562.D

Acq: 8 Mar 2022 21:12

Tgt Ion: 75 Resp: 756599

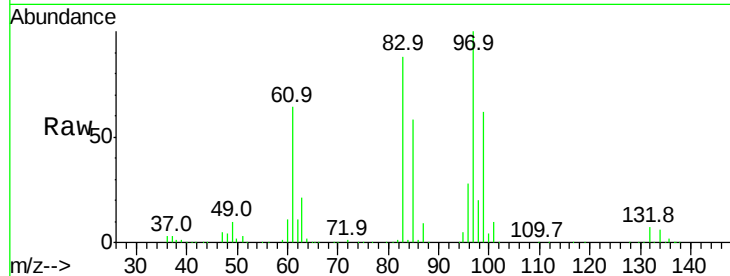
Ion	Ratio	Lower	Upper
75	100		
39	54.2	46.2	69.2
77	31.9	26.2	39.2



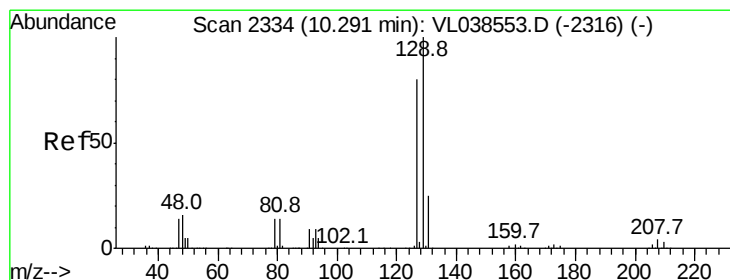
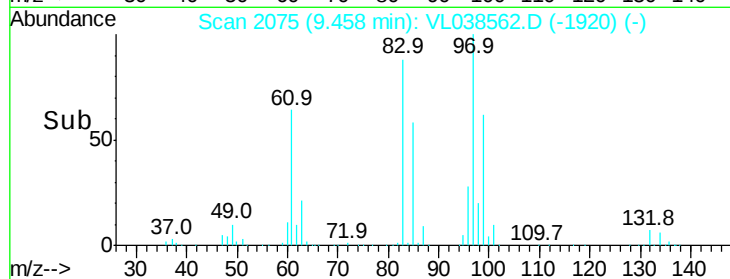
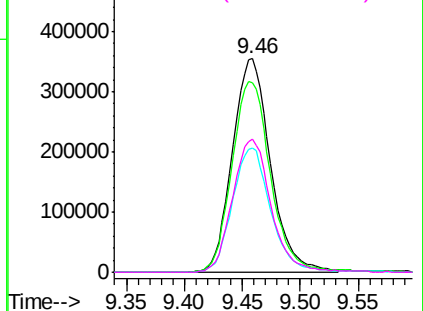


#47
 1,1,2-Trichloroethane
 Concen: 9.78 ppbv
 RT: 9.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

Tgt Ion: 97 Resp: 808902
 Ion Ratio Lower Upper
 97 100
 83 88.4 70.1 105.1
 85 58.0 46.6 69.8
 99 62.1 48.1 72.1

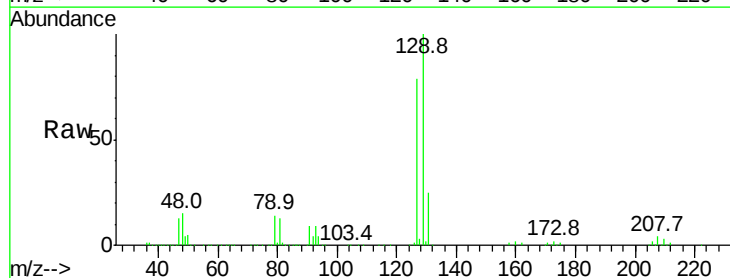


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

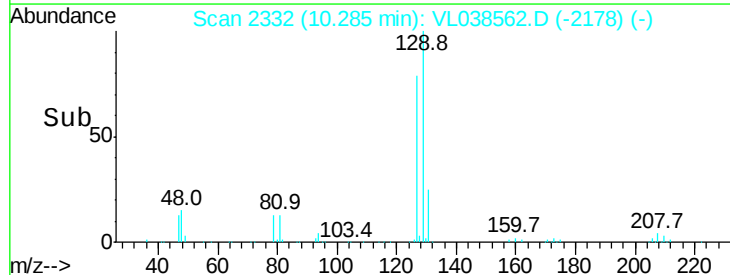
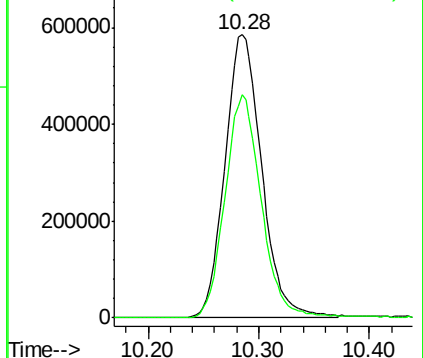


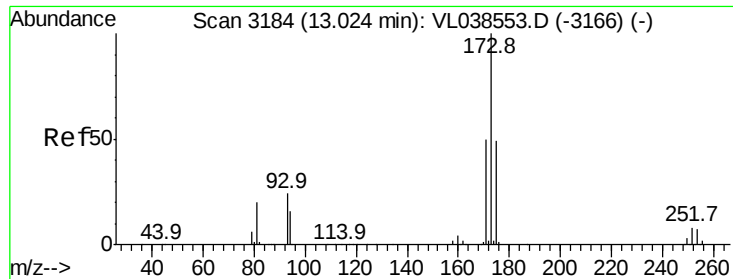
#48
 Dibromochloromethane
 Concen: 10.31 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.01 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

Tgt Ion: 129 Resp: 1354172
 Ion Ratio Lower Upper
 129 100
 127 78.3 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.71 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Mar 2022 21:12

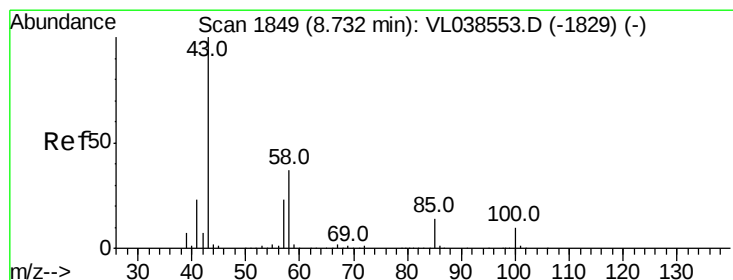
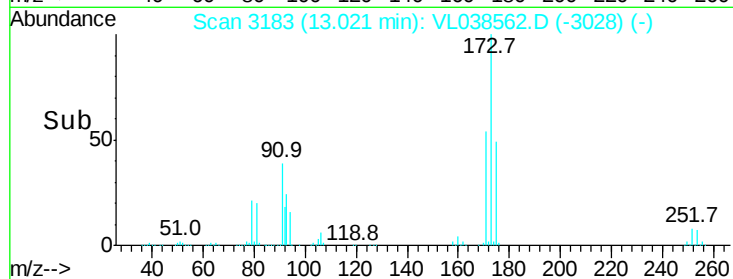
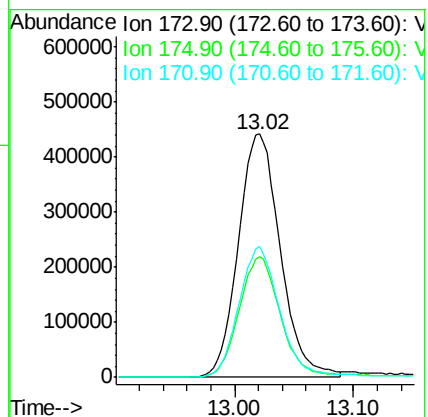
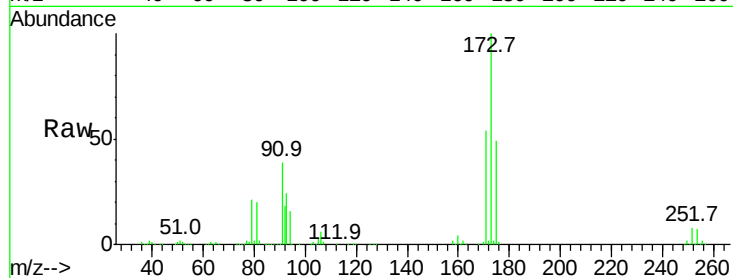
Tgt Ion:173 Resp: 1078091

Ion Ratio Lower Upper

173 100

175 50.7 40.7 61.1

171 54.2 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 9.94 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VL038562.D

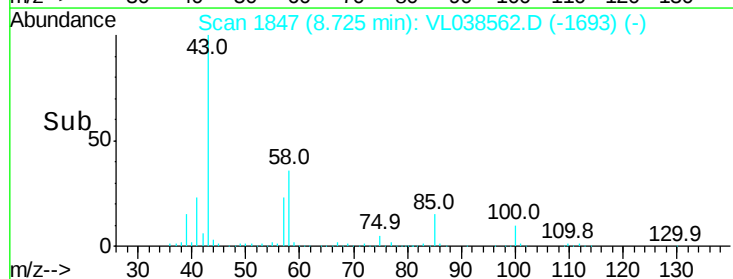
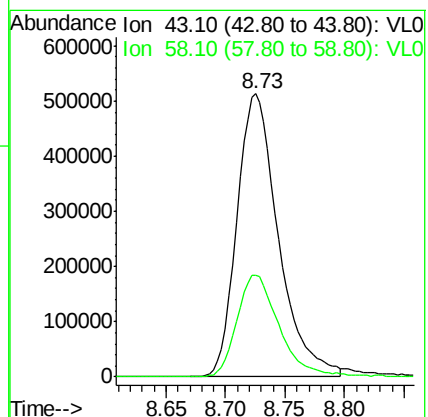
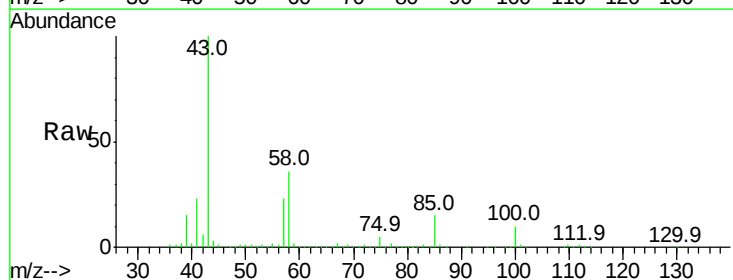
Acq: 8 Mar 2022 21:12

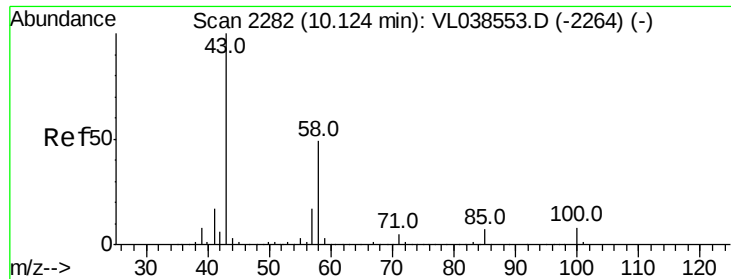
Tgt Ion: 43 Resp: 1235498

Ion Ratio Lower Upper

43 100

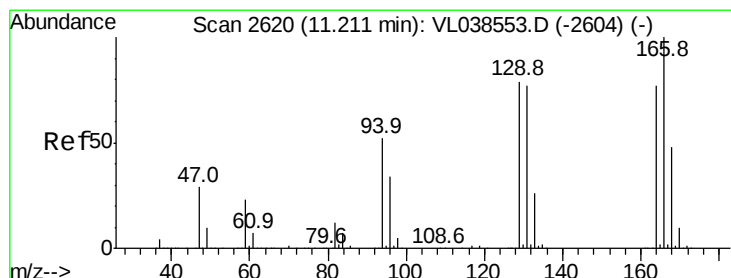
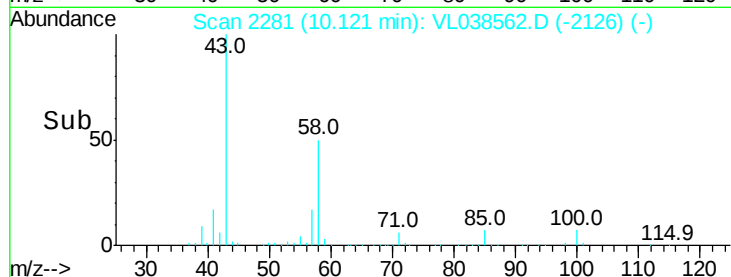
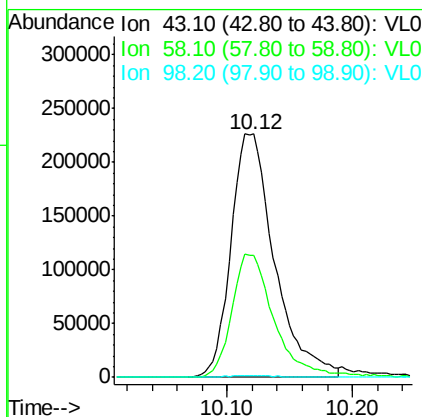
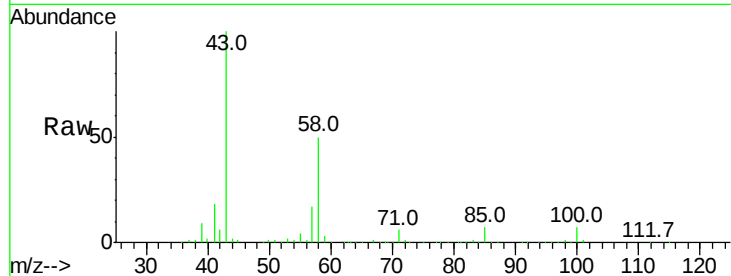
58 37.4 29.2 43.8





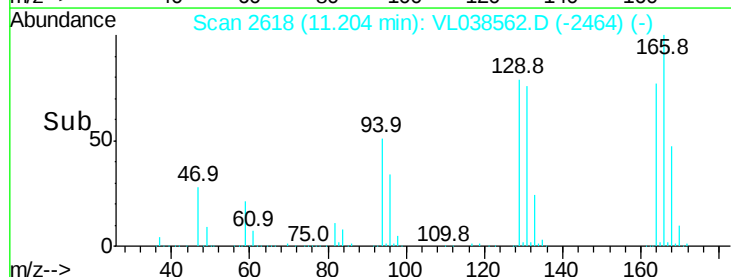
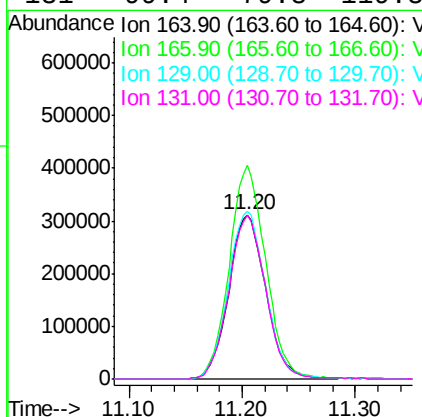
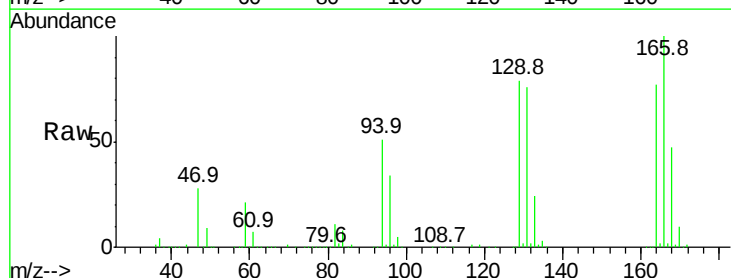
#51
2-Hexanone
Concen: 10.41 ppbv
RT: 10.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Mar 2022 21:12

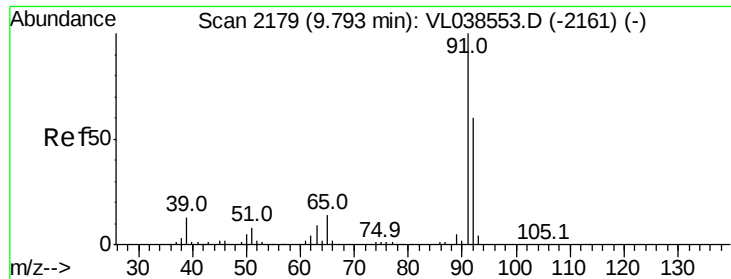
Tgt Ion: 43 Resp: 546883
Ion Ratio Lower Upper
43 100
58 49.6 40.1 60.1
98 0.7 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.17 ppbv
RT: 11.20 min Scan# 2618
Delta R.T.: -0.01 min
Lab File: VL038562.D
Acq: 8 Mar 2022 21:12

Tgt Ion: 164 Resp: 709230
Ion Ratio Lower Upper
164 100
166 130.0 103.4 155.2
129 102.1 81.3 121.9
131 99.4 79.8 119.8





#53

Toluene

Concen: 10.11 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

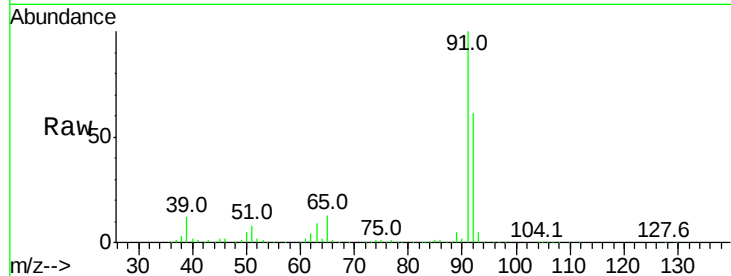
Acq: 8 Mar 2022 21:12

Tgt Ion: 91 Resp: 2278429

Ion Ratio Lower Upper

91 100

92 60.1 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1200000

1000000

800000

600000

400000

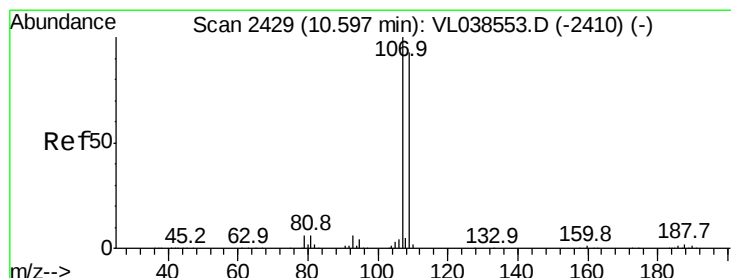
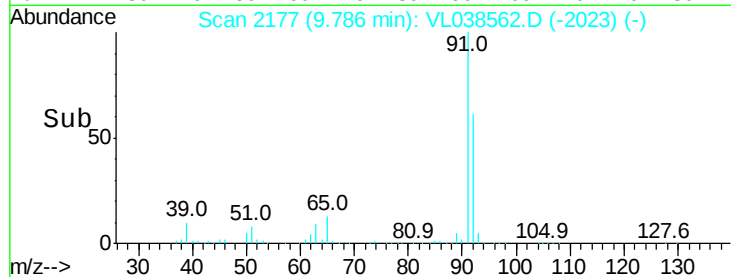
200000

0

9.79

9.70 9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.71 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.01 min

Lab File: VL038562.D

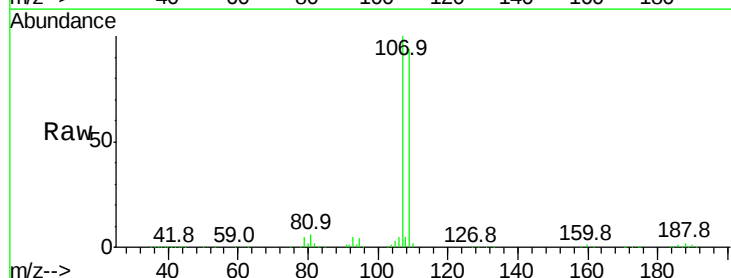
Acq: 8 Mar 2022 21:12

Tgt Ion: 107 Resp: 1148446

Ion Ratio Lower Upper

107 100

109 94.5 74.6 112.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

600000

500000

400000

300000

200000

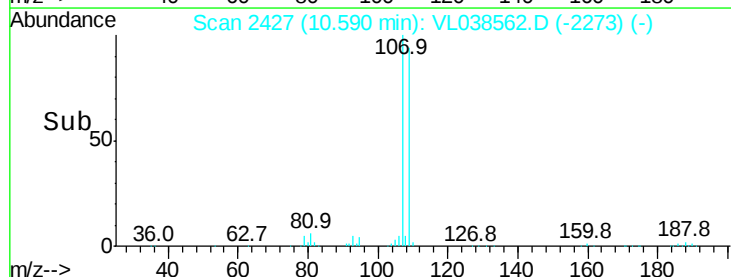
100000

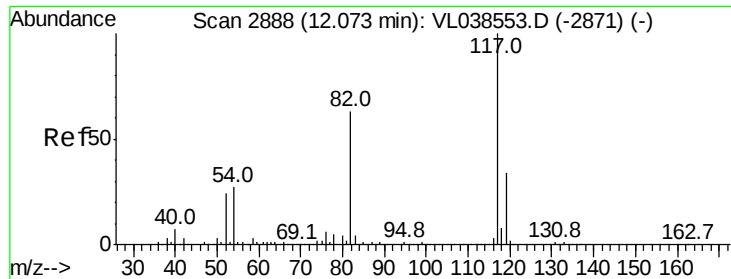
0

10.59

10.50 10.60

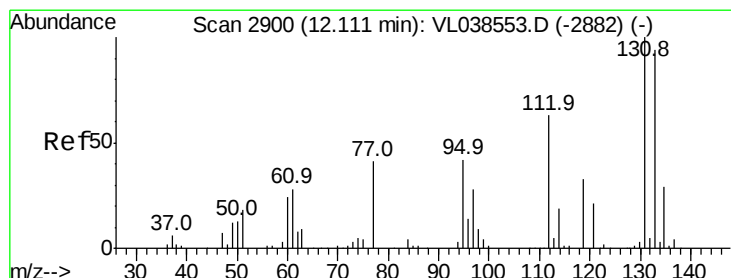
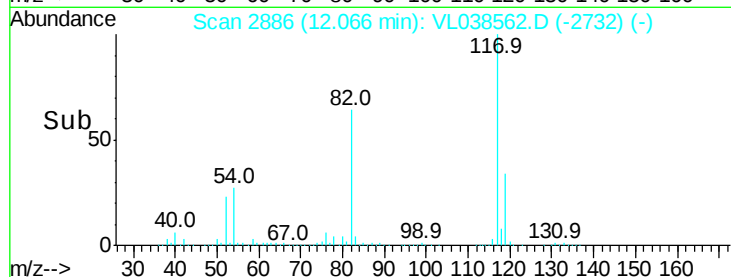
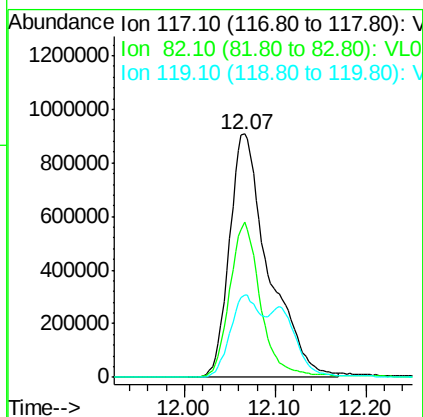
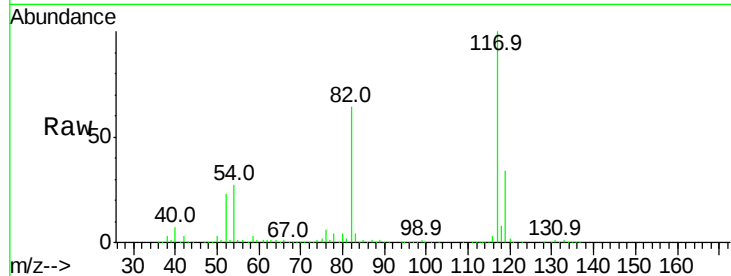
Time-->





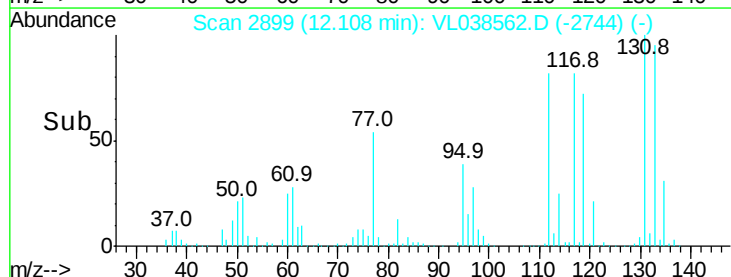
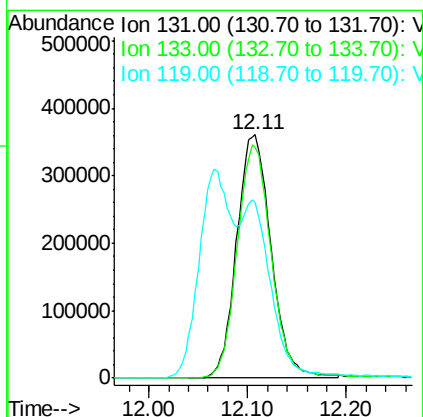
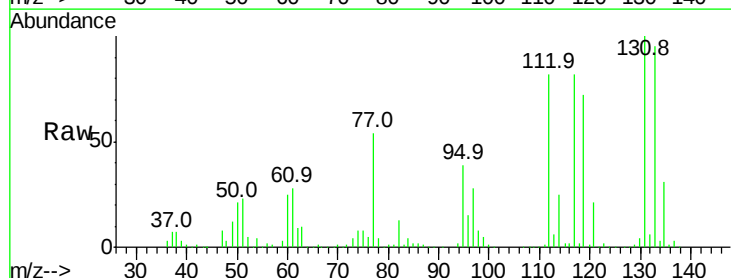
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampled :
 Acq: 8 Mar 2022 21:12

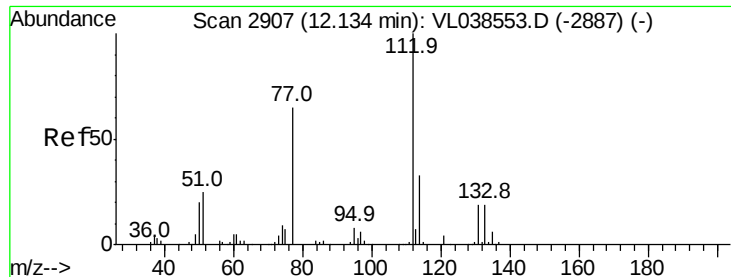
Tgt Ion:117 Resp: 2717417
 Ion Ratio Lower Upper
 117 100
 82 51.8 52.5 78.7#
 119 26.1 46.4 69.6#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.88 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T.: -0.00 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

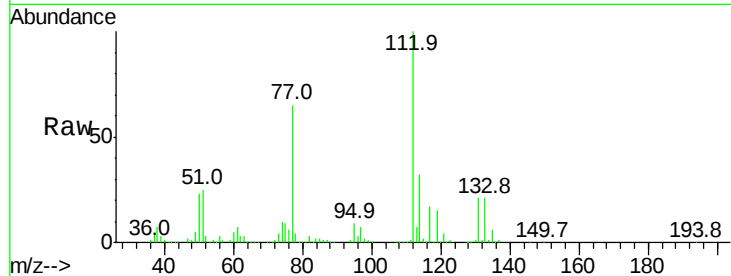
Tgt Ion:131 Resp: 872210
 Ion Ratio Lower Upper
 131 100
 133 96.8 78.0 117.0
 119 67.7 53.1 79.7



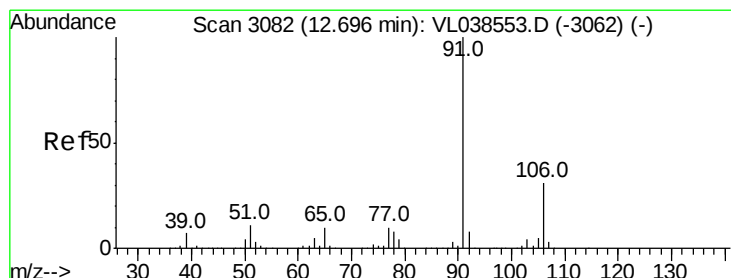
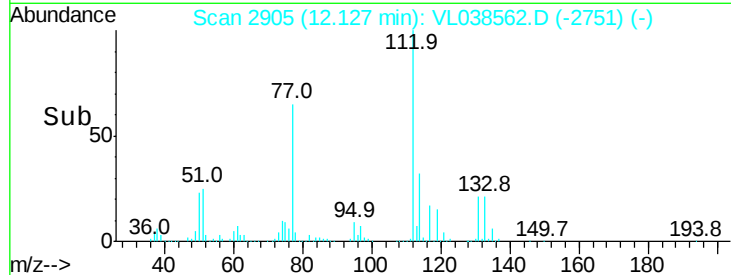
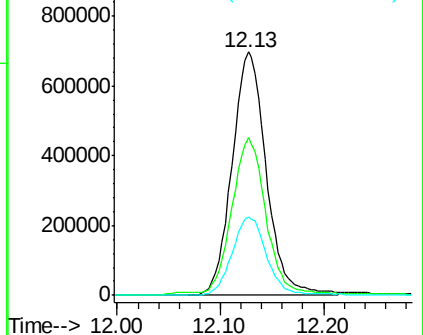


#57
Chlorobenzene
Concen: 7.77 ppbv
RT: 12.13
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Mar 2022 21:12

Tgt Ion: 112 Resp: 1611842
Ion Ratio Lower Upper
112 100
77 63.7 52.5 78.7
114 32.2 30.0 36.6

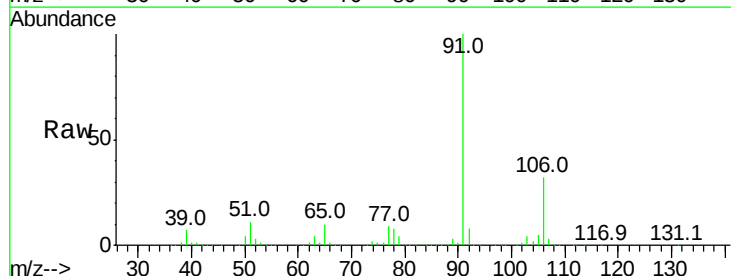


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

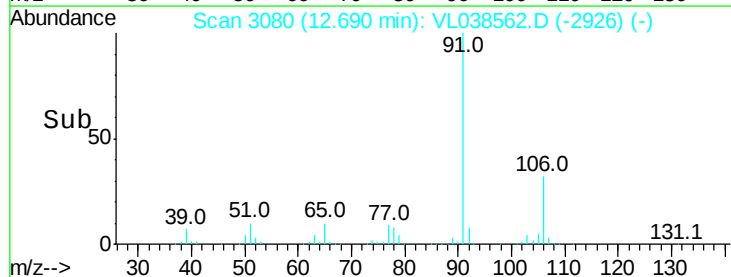
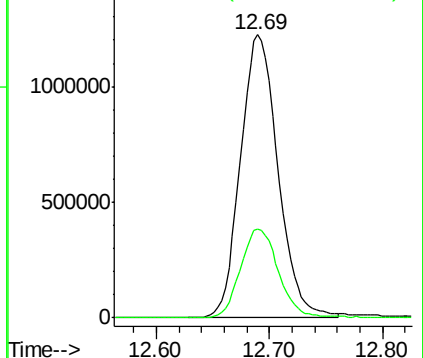


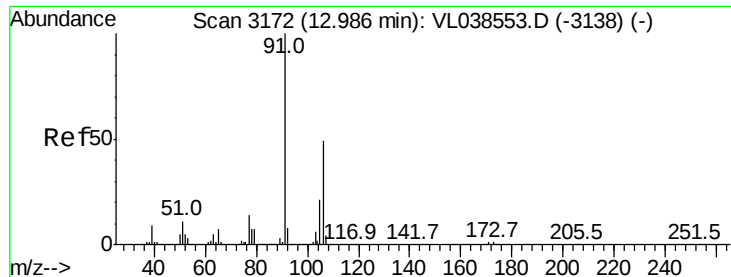
#58
Ethyl Benzene
Concen: 8.05 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.01 min
Lab File: VL038562.D
Acq: 8 Mar 2022 21:12

Tgt Ion: 91 Resp: 2831677
Ion Ratio Lower Upper
91 100
106 31.6 24.6 37.0



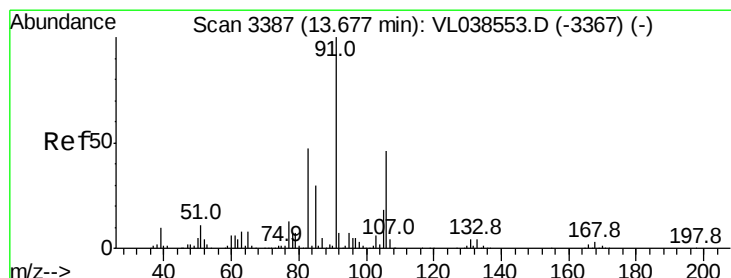
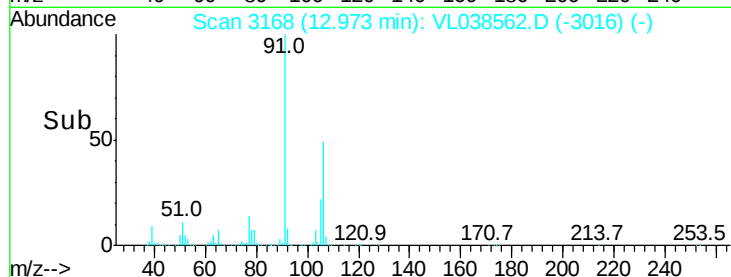
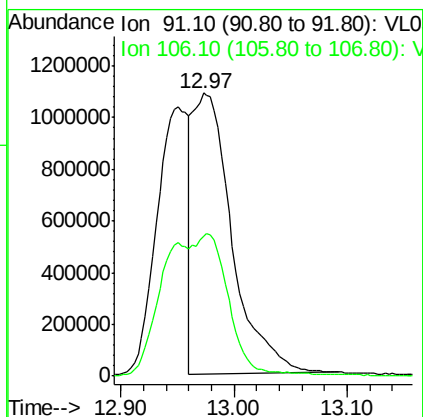
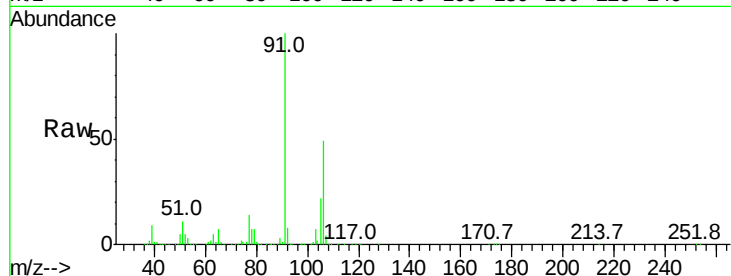
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





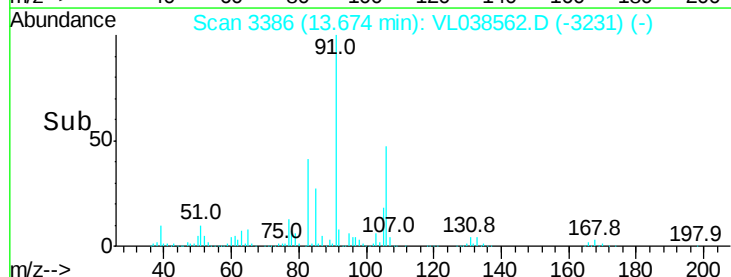
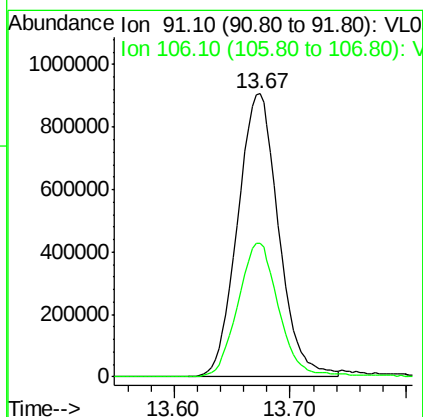
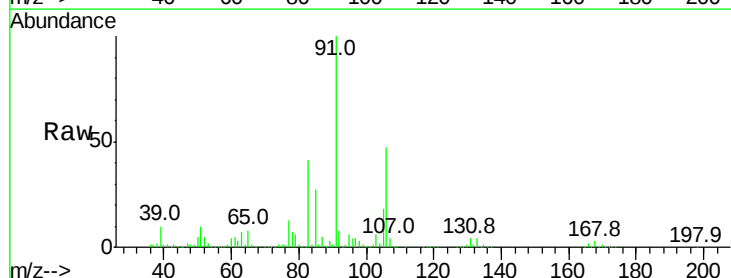
#59
m/p-Xylene
Concen: 8.67 ppbv
RT: 12.97 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 8 Mar 2022 21:12

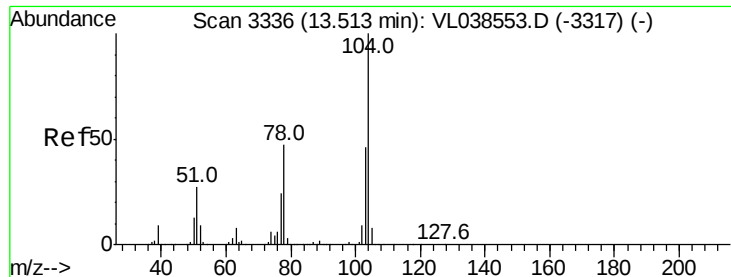
Tgt Ion: 91 Resp: 2611887
Ion Ratio Lower Upper
91 100
106 85.0 37.1 55.7#



#60
o-Xylene
Concen: 7.82 ppbv
RT: 13.67 min Scan# 3386
Delta R.T.: -0.00 min
Lab File: VL038562.D
Acq: 8 Mar 2022 21:12

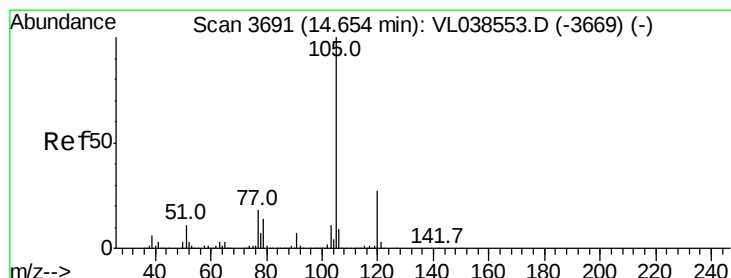
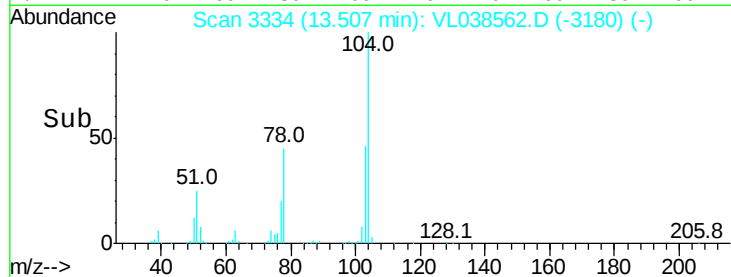
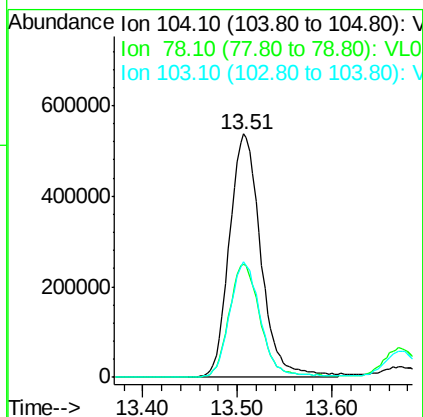
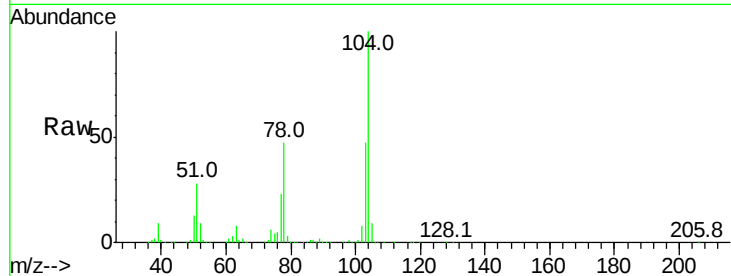
Tgt Ion: 91 Resp: 2224976
Ion Ratio Lower Upper
91 100
106 48.1 23.5 70.6





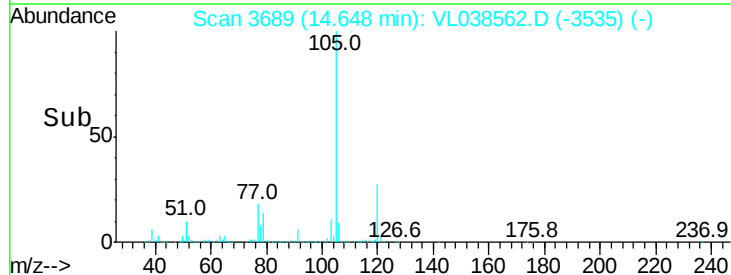
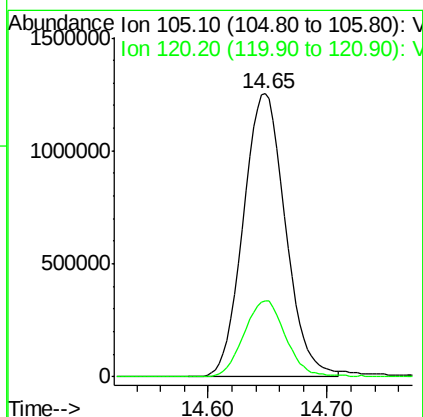
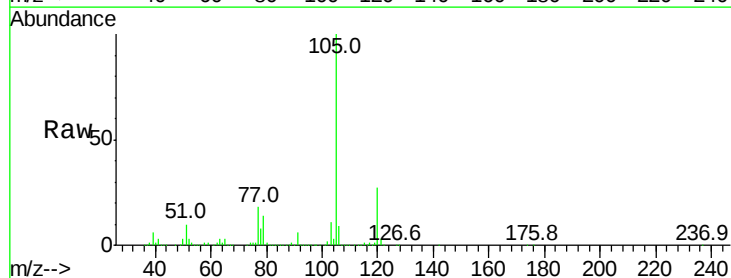
#61
Styrene
Concen: 8.89 ppbv
RT: 13.51 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Mar 2022 21:12

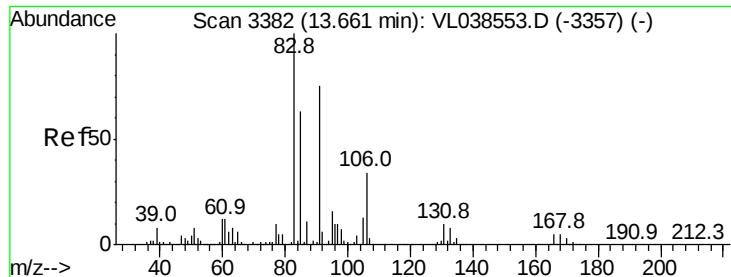
Tgt Ion:104 Resp: 1246406
Ion Ratio Lower Upper
104 100
78 46.9 39.0 58.4
103 46.8 38.0 57.0



#62
Isopropylbenzene
Concen: 7.84 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.01 min
Lab File: VL038562.D
Acq: 8 Mar 2022 21:12

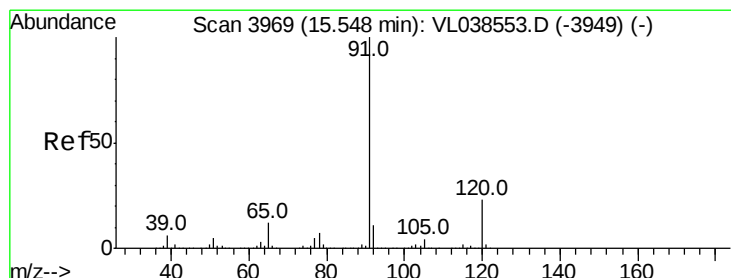
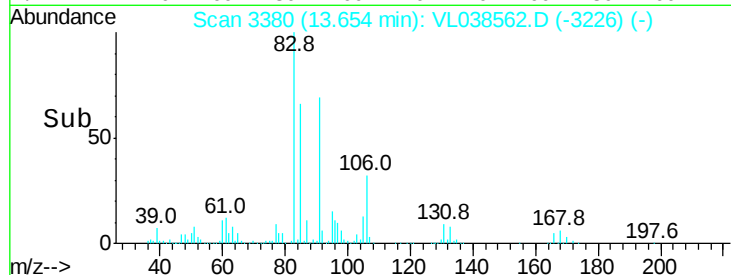
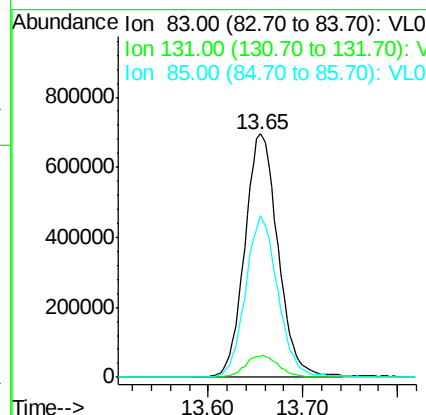
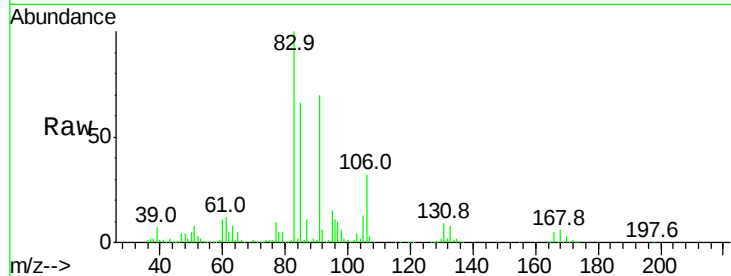
Tgt Ion:105 Resp: 3075751
Ion Ratio Lower Upper
105 100
120 27.0 21.2 31.8





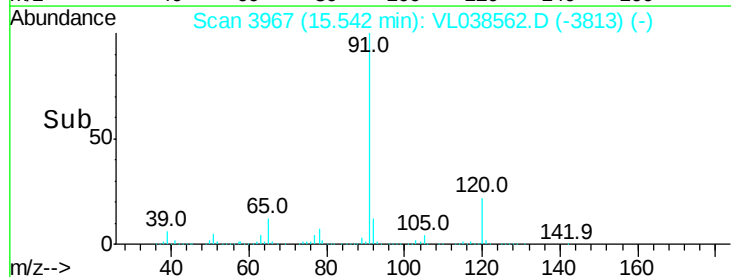
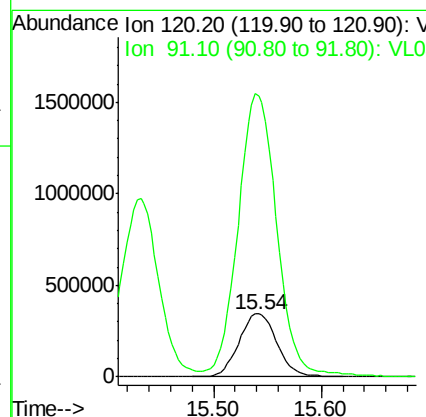
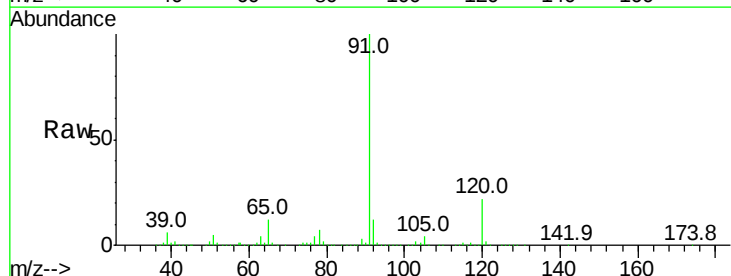
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.05 ppbv
 RT: 13.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

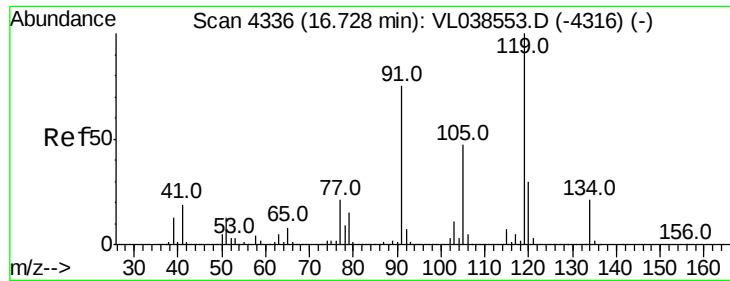
Tgt Ion: 83 Resp: 1695215
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.7 14.1
 85 65.4 32.6 98.0



#64
 n-propylbenzene
 Concen: 8.41 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.01 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

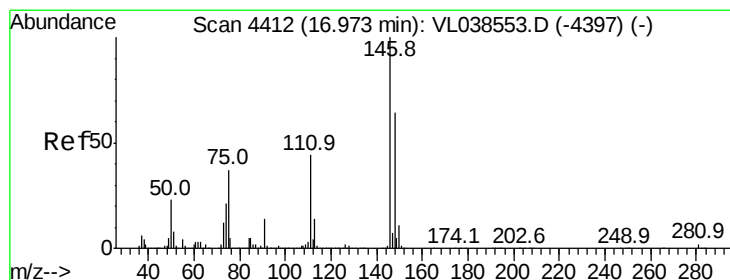
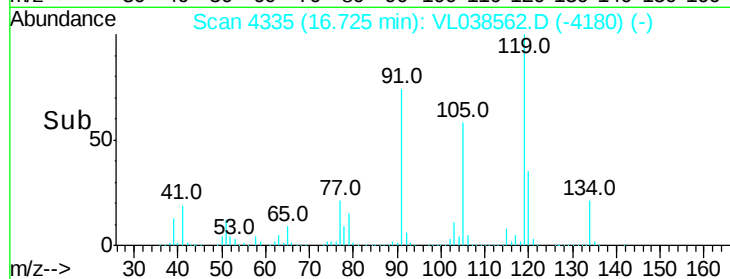
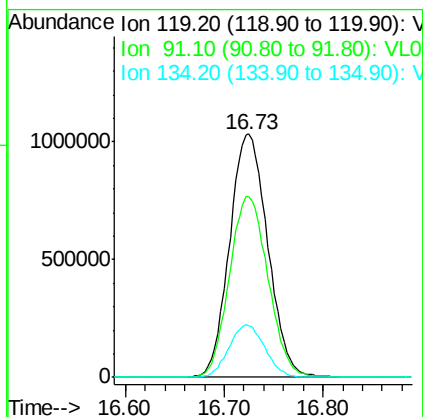
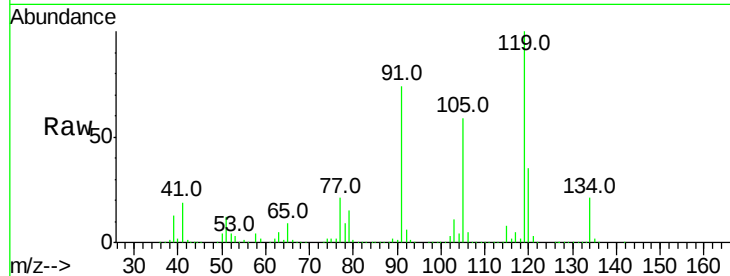
Tgt Ion: 120 Resp: 841619
 Ion Ratio Lower Upper
 120 100
 91 460.7 374.2 561.2





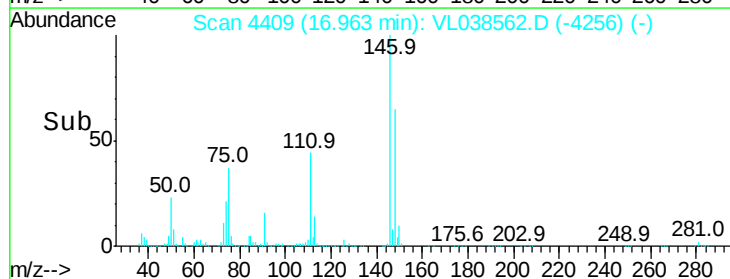
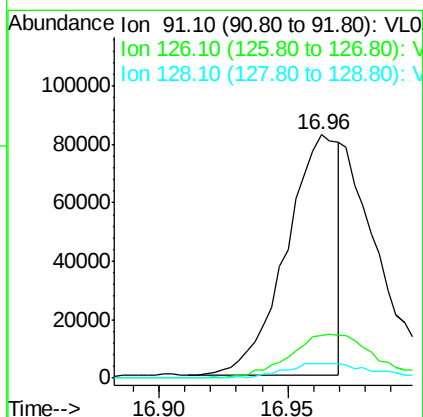
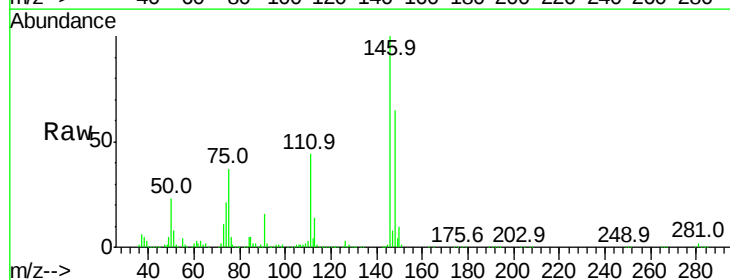
#65
 tert-Butylbenzene
 Concen: 7.93 ppbv
 RT: 16.73
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

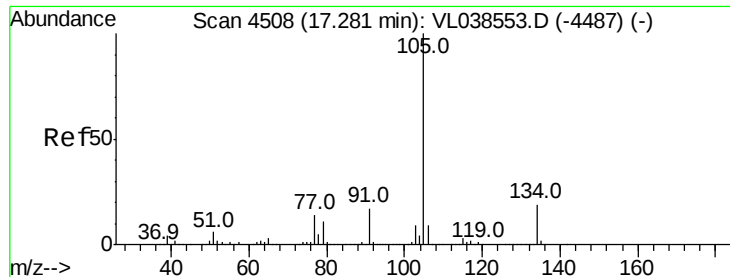
Tgt Ion: 119 Resp: 2782003
 Ion Ratio Lower Upper
 119 100
 91 75.6 61.2 91.8
 134 20.5 16.2 24.2



#66
 Benzyl Chloride
 Concen: 5.60 ppbv
 RT: 16.96 min Scan# 4409
 Delta R.T. -0.01 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

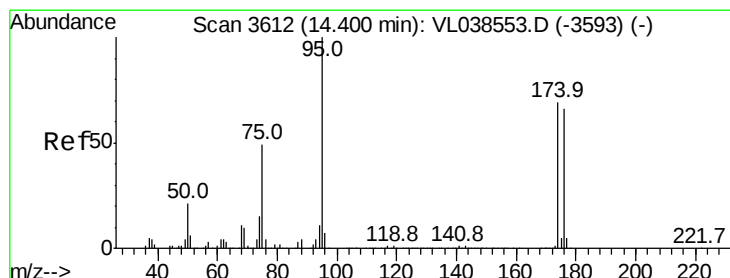
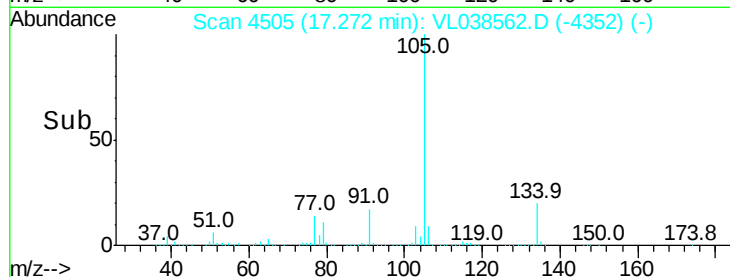
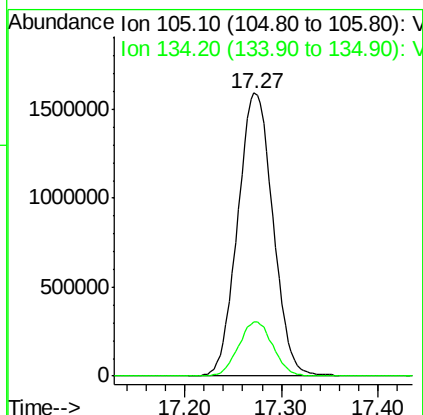
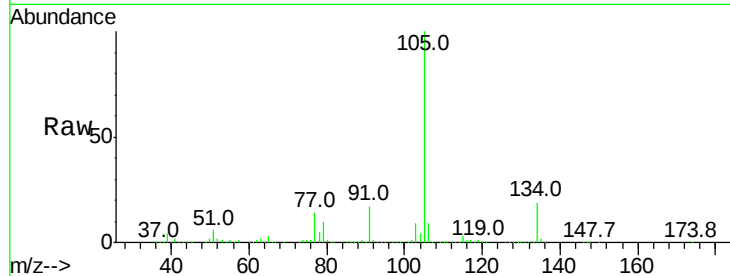
Tgt Ion: 91 Resp: 116362
 Ion Ratio Lower Upper
 91 100
 126 30.8 14.1 21.1#
 128 10.8 5.1 7.7#





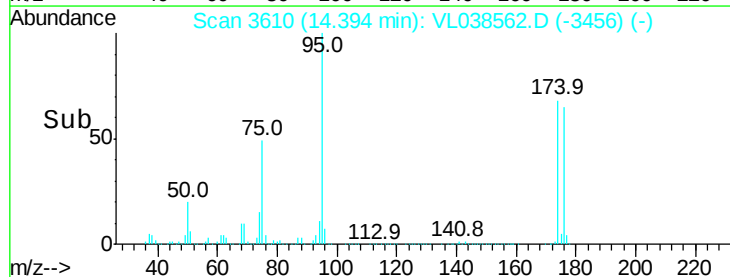
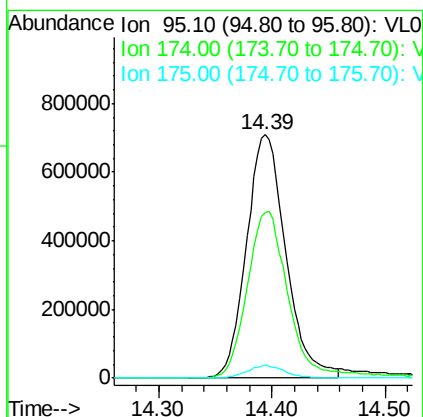
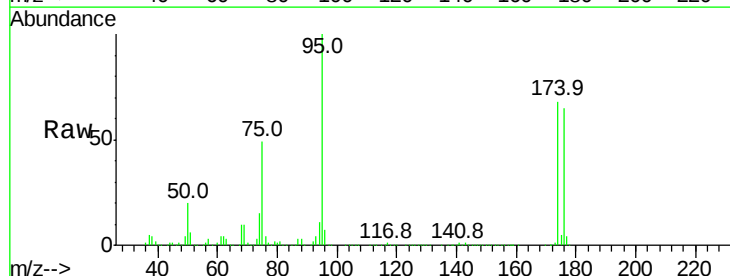
#67
 sec-Butylbenzene
 Concen: 8.07 ppbv
 RT: 17.27
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

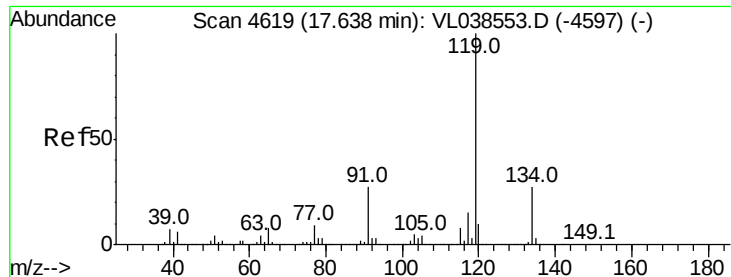
Tgt Ion: 105 Resp: 4026191
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.31 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.01 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

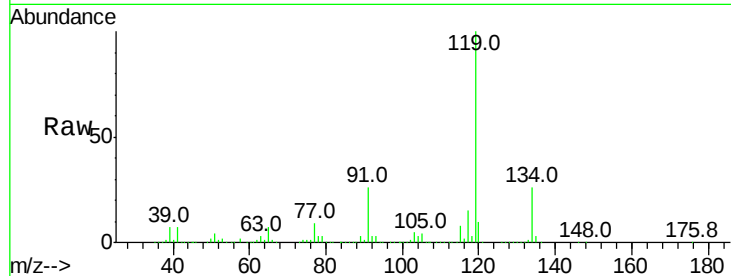
Tgt Ion: 95 Resp: 1716502
 Ion Ratio Lower Upper
 95 100
 174 72.7 56.2 84.4
 175 5.3 4.2 6.2



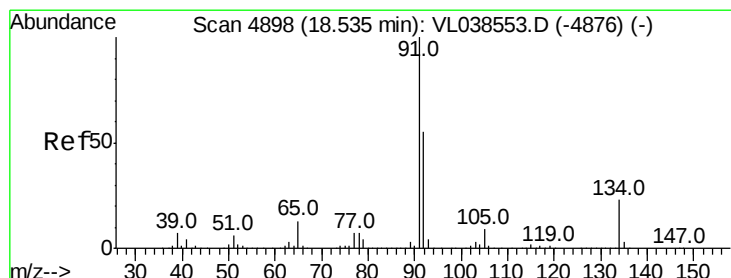
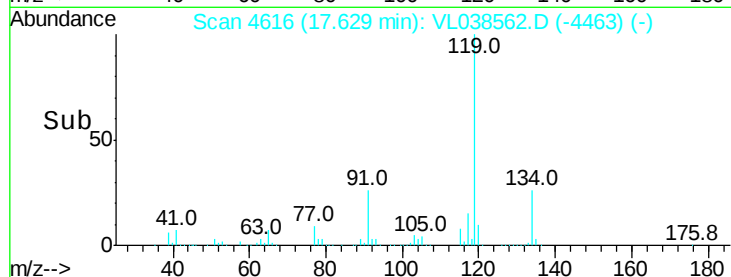
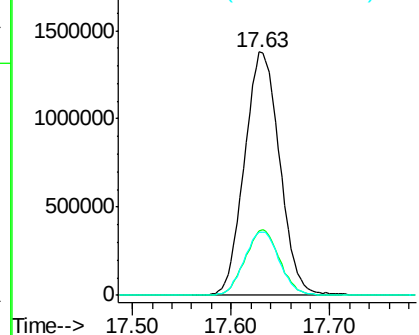


#69
 p-Isopropyltoluene
 Concen: 8.22 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

Tgt Ion: 119 Resp: 3395551
 Ion Ratio Lower Upper
 119 100
 134 26.6 20.9 31.3
 91 26.0 21.1 31.7

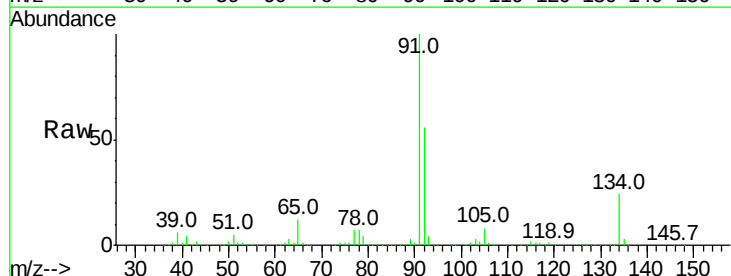


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

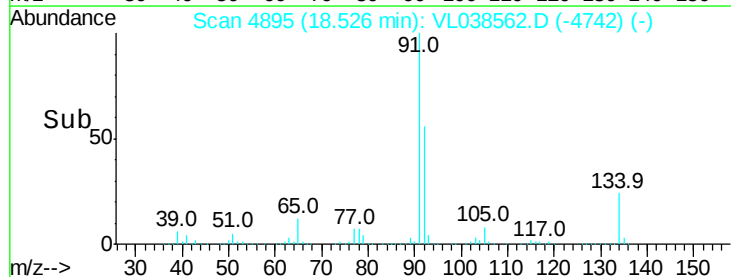
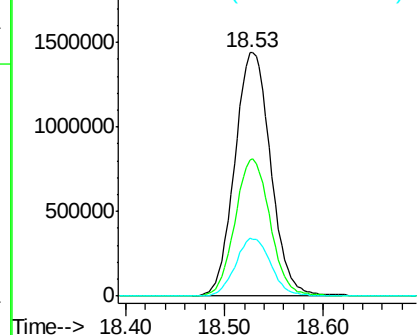


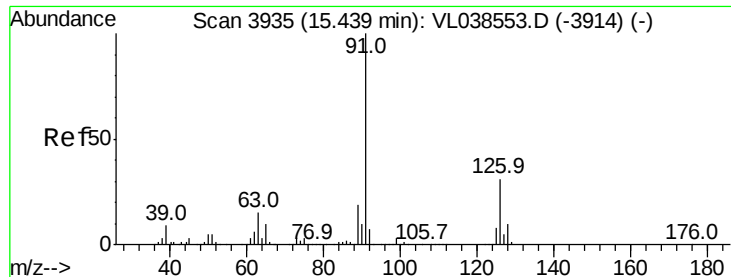
#70
 n-Butylbenzene
 Concen: 8.29 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.01 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

Tgt Ion: 91 Resp: 3649485
 Ion Ratio Lower Upper
 91 100
 92 55.4 43.8 65.8
 134 23.5 18.7 28.1



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: 8.03 ppbv

RT: 15.43

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

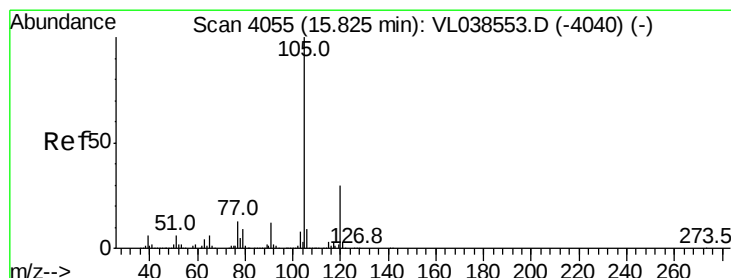
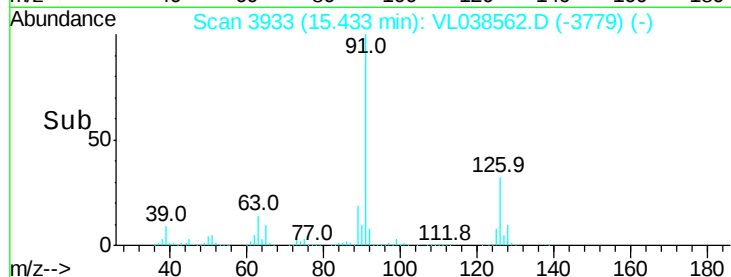
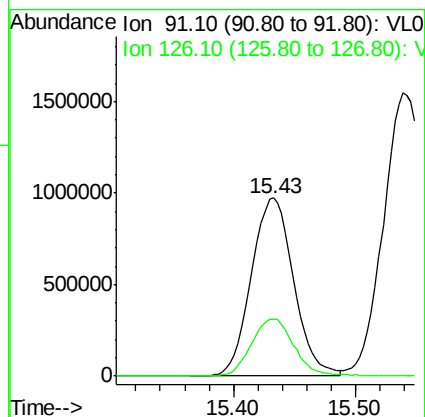
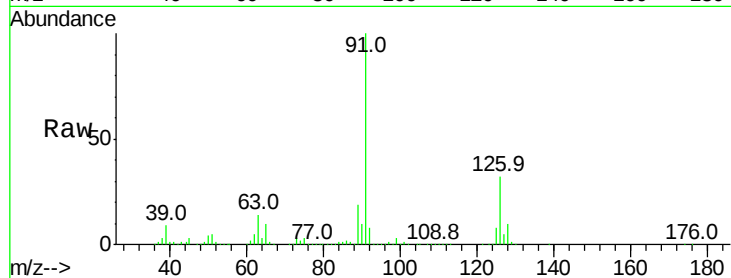
Acq: 8 Mar 2022 21:12

Tgt Ion: 91 Resp: 2340955

Ion Ratio Lower Upper

91 100

126 32.9 12.9 51.7



#72

4-Ethyltoluene

Concen: 8.54 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.01 min

Lab File: VL038562.D

Acq: 8 Mar 2022 21:12

Tgt Ion: 105 Resp: 2789659

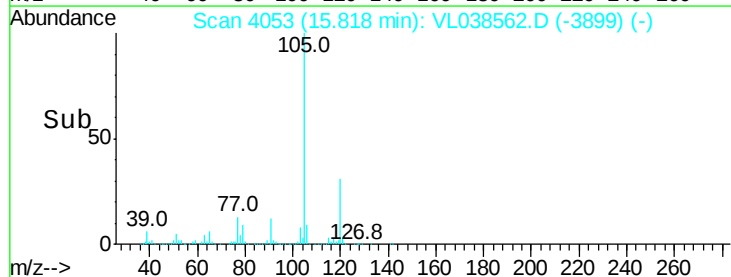
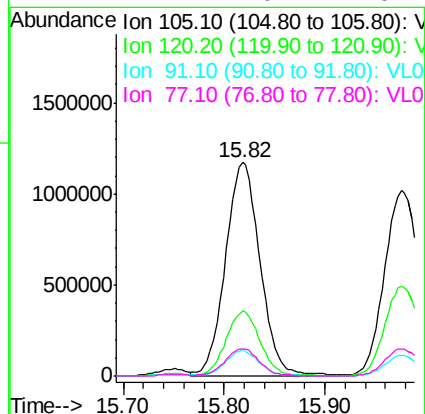
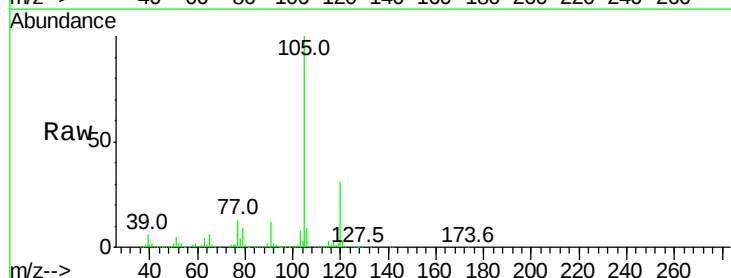
Ion Ratio Lower Upper

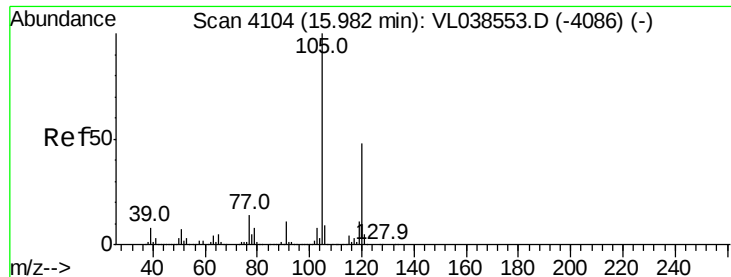
105 100

120 30.3 25.0 37.4

91 11.7 9.8 14.6

77 12.7 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 8.07 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

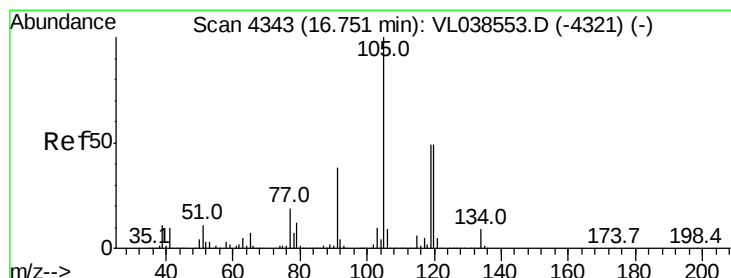
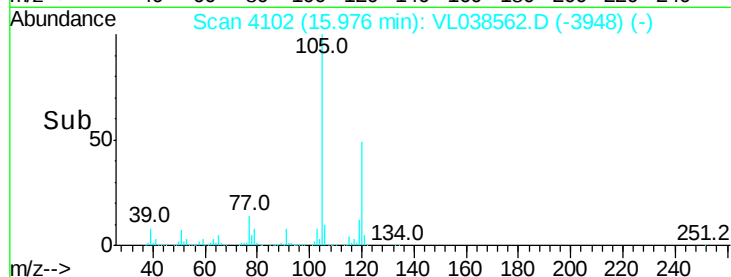
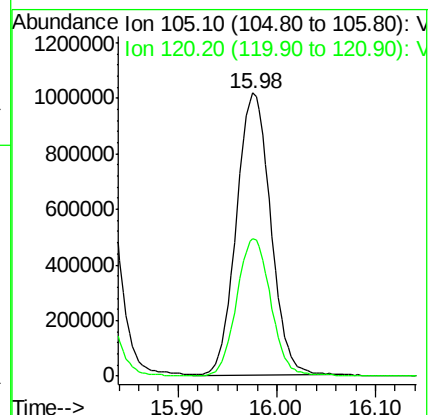
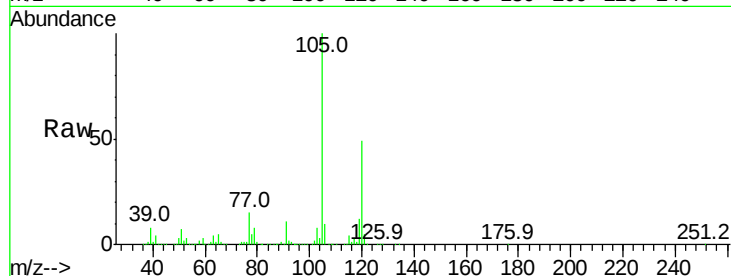
Acq: 8 Mar 2022 21:12

Tgt Ion:105 Resp: 2448460

Ion Ratio Lower Upper

105 100

120 48.6 38.3 57.5



#74

1,2,4-Trimethylbenzene

Concen: 7.94 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.01 min

Lab File: VL038562.D

Acq: 8 Mar 2022 21:12

Tgt Ion:105 Resp: 2574115

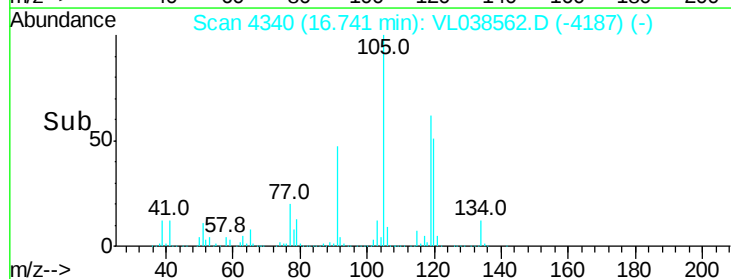
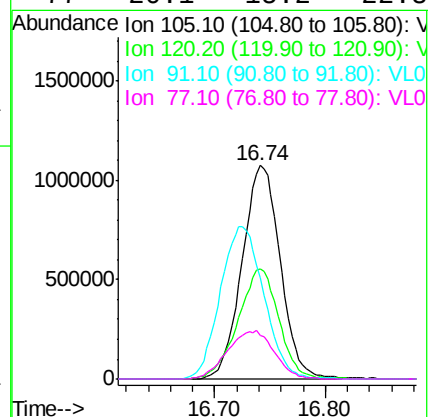
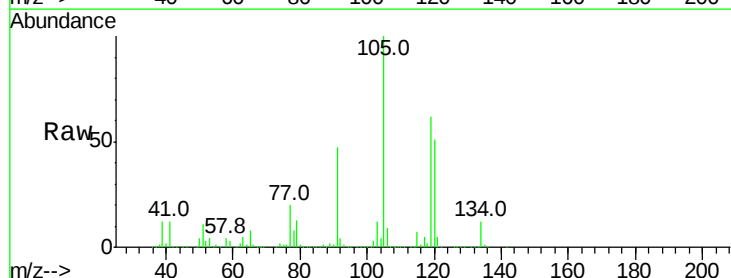
Ion Ratio Lower Upper

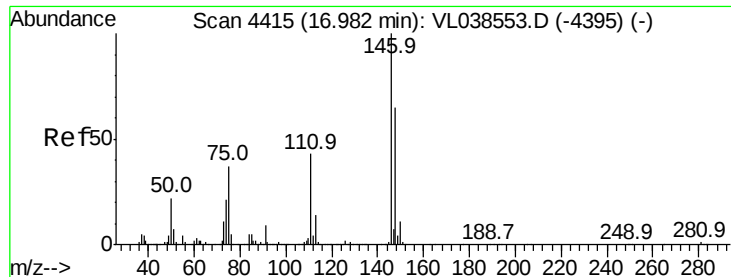
105 100

120 51.1 38.9 58.3

91 47.0 30.6 46.0#

77 20.1 15.2 22.8





#75

1,3-Dichlorobenzene

Concen: 8.26 ppbv

RT: 16.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Mar 2022 21:12

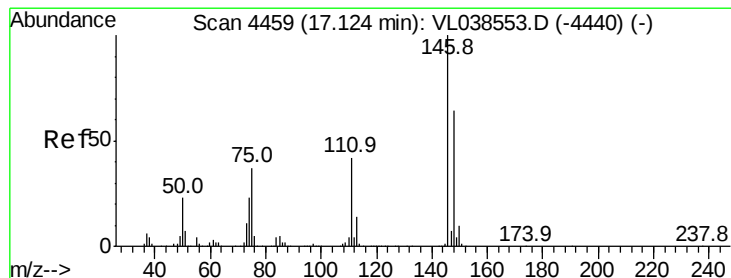
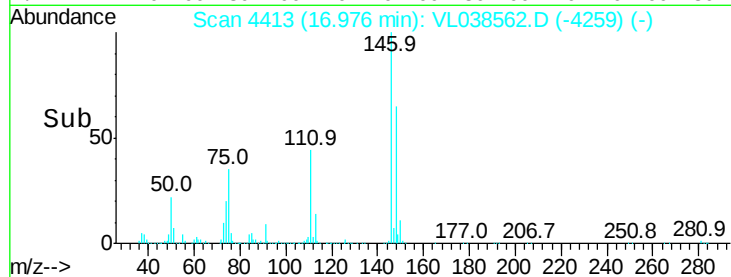
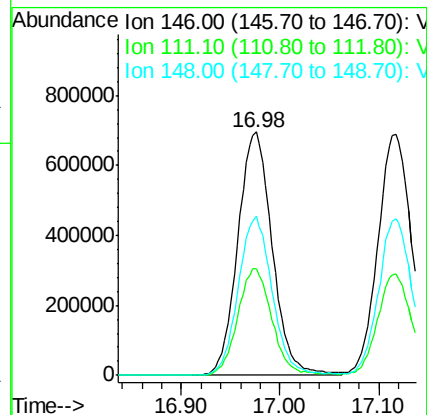
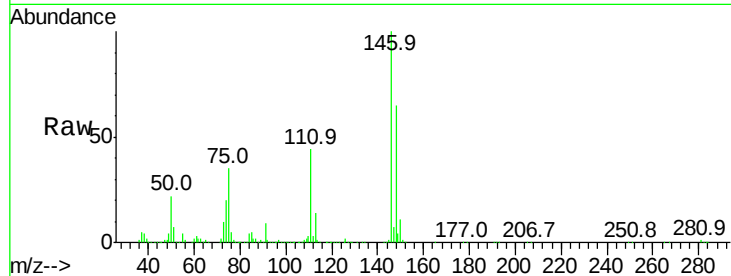
Tgt Ion:146 Resp: 1688439

Ion Ratio Lower Upper

146 100

111 43.5 21.9 65.8

148 64.4 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 8.01 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. -0.01 min

Lab File: VL038562.D

Acq: 8 Mar 2022 21:12

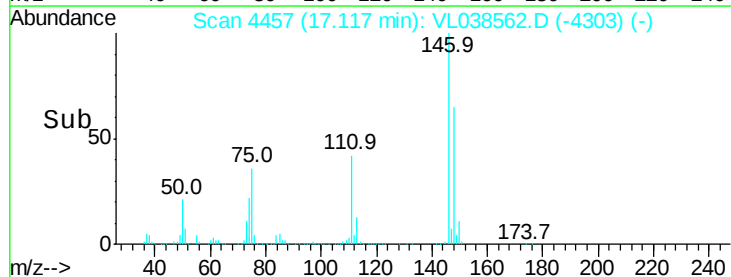
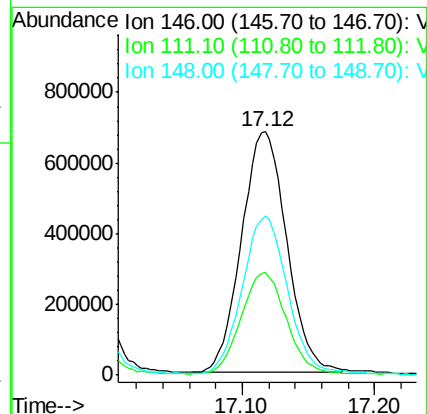
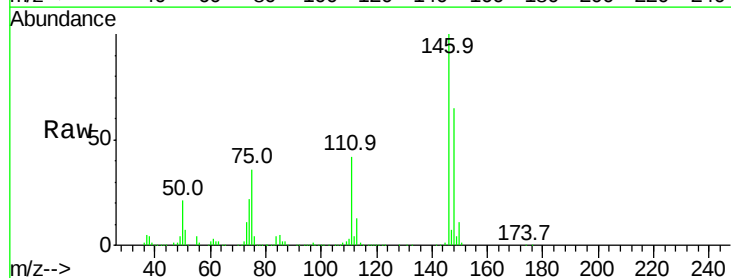
Tgt Ion:146 Resp: 1621205

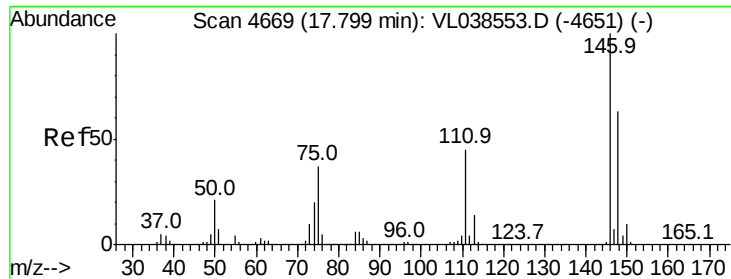
Ion Ratio Lower Upper

146 100

111 43.6 21.8 65.3

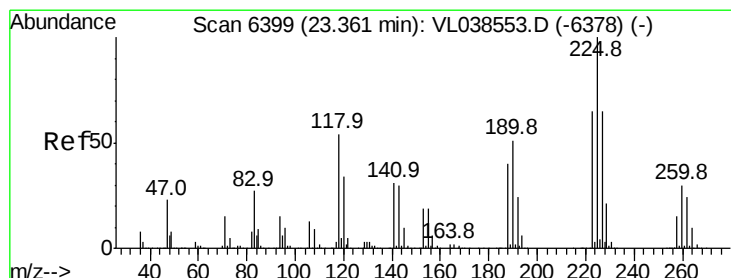
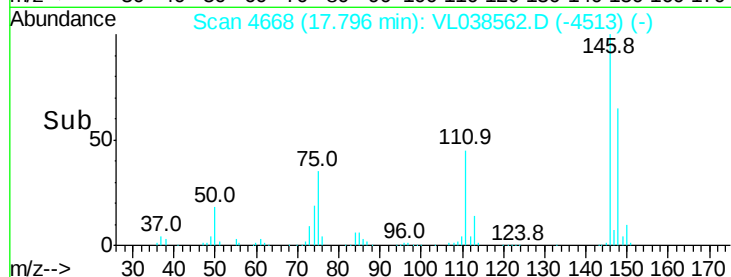
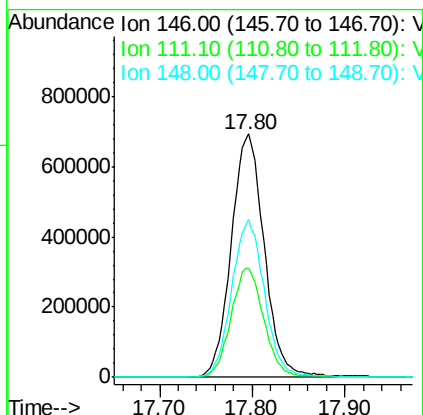
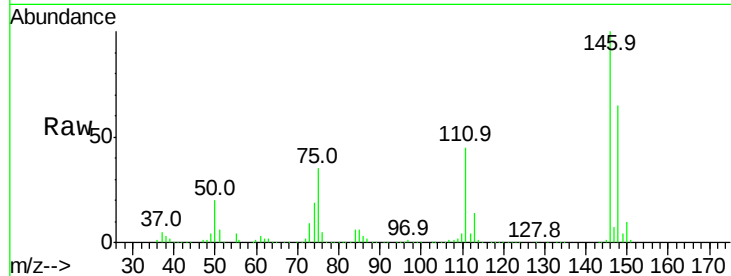
148 67.0 32.8 98.4





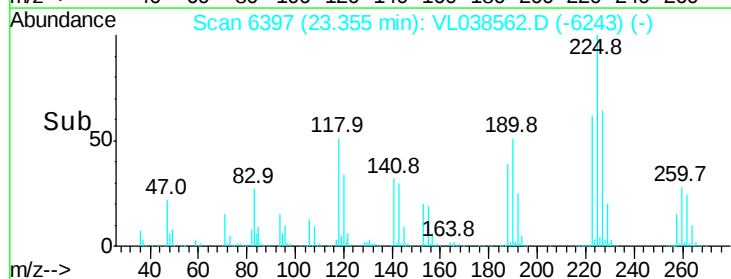
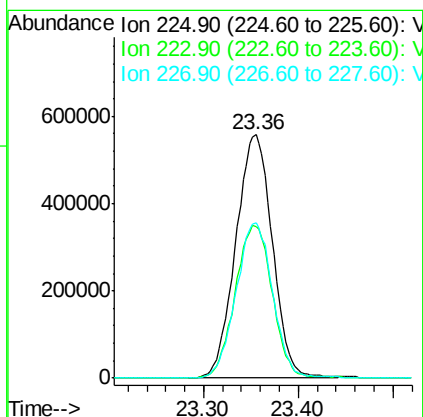
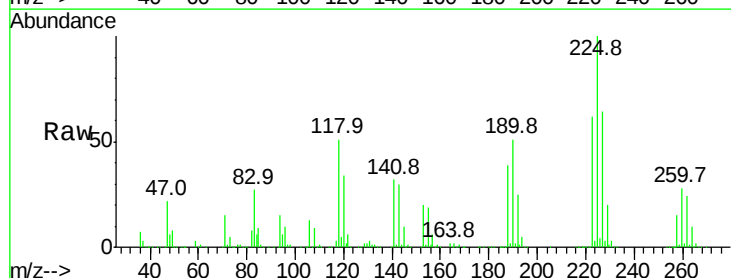
#77
 1,2-Dichlorobenzene
 Concen: 8.23 ppbv
 RT: 17.80
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12

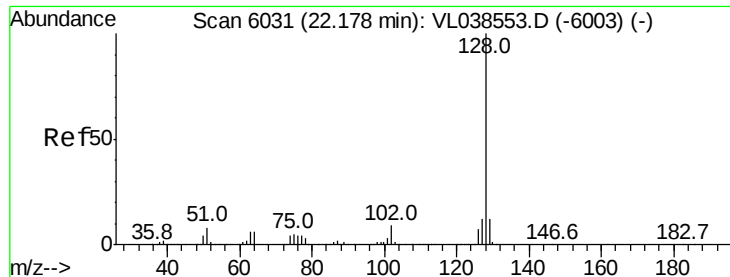
Tgt Ion:146 Resp: 1702740
 Ion Ratio Lower Upper
 146 100
 111 45.6 23.2 69.5
 148 65.0 32.6 98.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.45 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.01 min
 Lab File: VL038562.D
 Acq: 8 Mar 2022 21:12

Tgt Ion:225 Resp: 1502949
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.4 77.0
 227 64.5 51.9 77.9

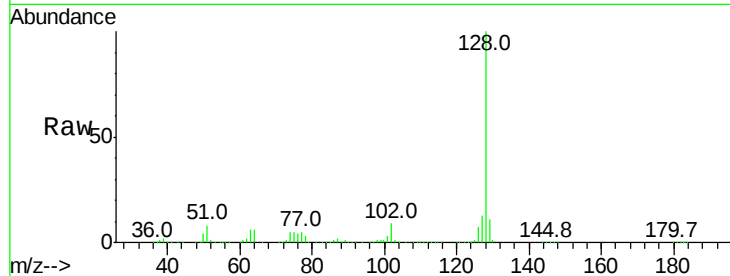




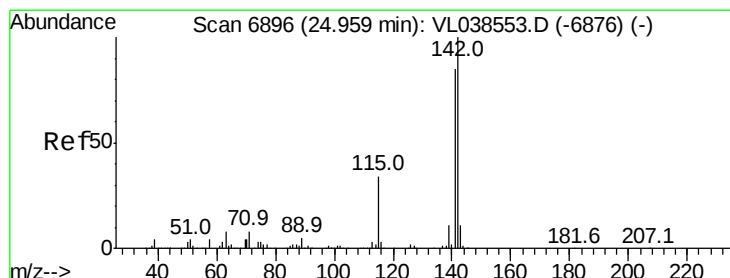
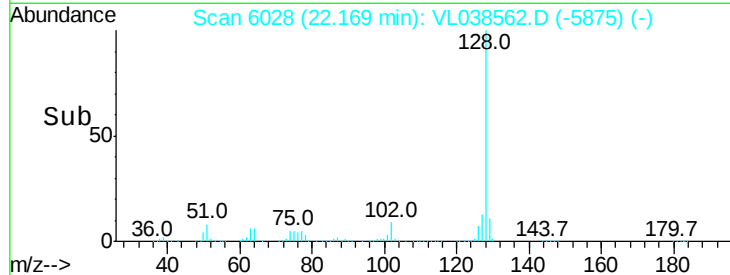
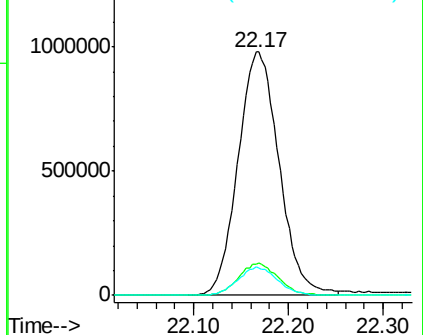
#79
Naphthalene
Concen: 10.15 ppbv
RT: 22.17 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Mar 2022 21:12

Tgt Ion:128 Resp: 2958794

Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.9	14.9
129	11.2	9.3	13.9



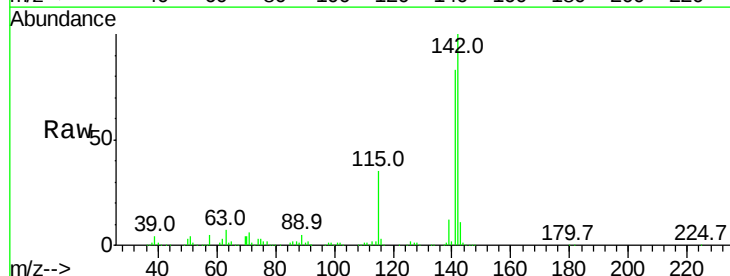
Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



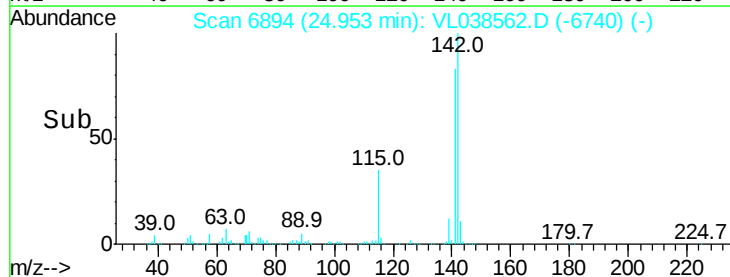
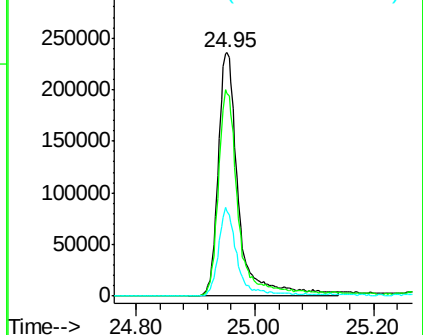
#80
Naphthalene, 2-methyl-
Concen: 10.90 ppbv
RT: 24.95 min Scan# 6894
Delta R.T.: -0.01 min
Lab File: VL038562.D
Acq: 8 Mar 2022 21:12

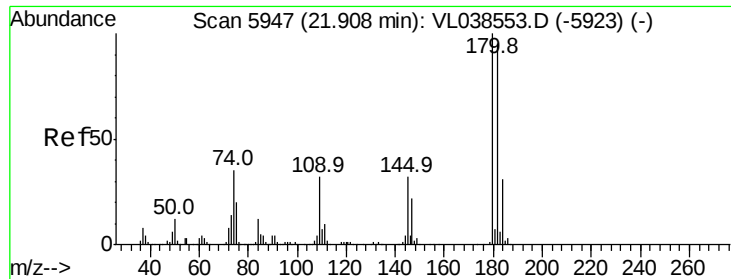
Tgt Ion:142 Resp: 560878

Ion	Ratio	Lower	Upper
142	100		
141	85.4	68.4	102.6
115	34.9	27.9	41.9

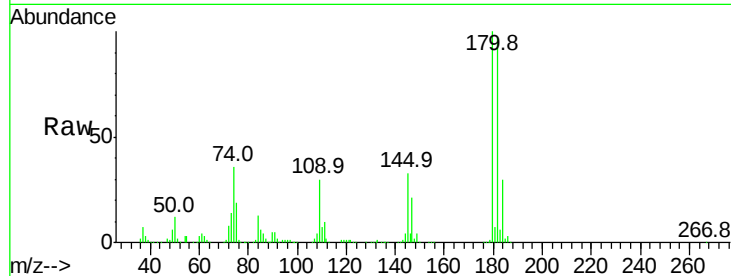


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.78 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Mar 2022 21:12



Tgt Ion:	180	Resp:	1635391
Ion	Ratio	Lower	Upper
180	100		
182	98.6	79.1	118.7
184	31.3	25.0	37.6

