

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038315.D
 Acq On : 28 Jan 2022 9:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jan 29 06:03:52 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	756339	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2030603	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2226216	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1414540	8.37	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.70%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	1329998	8.260	ppbv	98
3) Chlorodifluoromethane	2.99	51	1444036	9.591	ppbv	100
4) Chloromethane	3.14	50	452430	8.734	ppbv	98
5) Vinyl Chloride	3.26	62	462444	8.945	ppbv	95
6) Bromomethane	3.47	94	167311	5.986	ppbv	92
7) Chloroethane	3.56	64	160394	9.185	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1119977	8.990	ppbv	100
9) Propene	3.01	41	438592	8.948	ppbv	99
10) Heptane	8.11	43	1127322	8.939	ppbv	99
11) Trichlorofluoromethane	3.95	101	1162632	9.269	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	861699	9.088	ppbv	99
13) Ethanol	3.60	45	36716	6.978	ppbv	73
14) Bromoethene	3.74	108	338435	9.135	ppbv	99
15) Acetone	3.84	43	662316	9.934	ppbv	99
16) 1,3-Butadiene	3.33	39	478822	10.008	ppbv	91
17) tert-Butyl alcohol	4.28	59	621210	8.489	ppbv	99
18) 1,1-Dichloroethene	4.29	96	370679	8.990	ppbv	96
19) Isopropyl Alcohol	3.96	45	360474	8.643	ppbv #	98
20) Methylene Chloride	4.34	84	307300	7.925	ppbv	95
21) Allyl Chloride	4.41	41	468927	7.949	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	386495	9.072	ppbv	97
23) Vinyl Acetate	5.06	43	892399	9.206	ppbv	99
24) 1,1-Dichloroethane	5.00	63	793138	9.184	ppbv	100
25) Ethyl Acetate	5.67	43	1636661	8.767	ppbv	99
26) Hexane	5.68	57	792818	9.131	ppbv	95
27) Carbon Disulfide	4.55	76	890955	8.771	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	776874	8.625	ppbv	99
29) Chloroform	5.74	83	1292414	9.119	ppbv	100
30) Cyclohexane	7.12	84	673699	8.911	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	673134	8.887	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1291725	9.125	ppbv	100
34) 2-Butanone	5.24	43	609063	9.172	ppbv	98
35) Carbon Tetrachloride	7.01	117	1312594	9.209	ppbv	96
36) Benzene	6.88	78	1667752	9.285	ppbv	99
37) 1,2-Dichloroethane	6.29	62	988851	9.612	ppbv	100
38) Trichloroethene	7.82	130	577273	8.628	ppbv	91
39) 1,2-Dichloropropane	7.60	63	664541	9.126	ppbv	99
40) 1,4-Dioxane	7.82	88	150101	8.564	ppbv #	1
41) Tetrahydrofuran	6.04	42	379230	8.495	ppbv	99
42) Bromodichloromethane	7.78	83	1424132	9.330	ppbv	99
43) Methyl Methacrylate	8.00	69	641242	10.093	ppbv	98

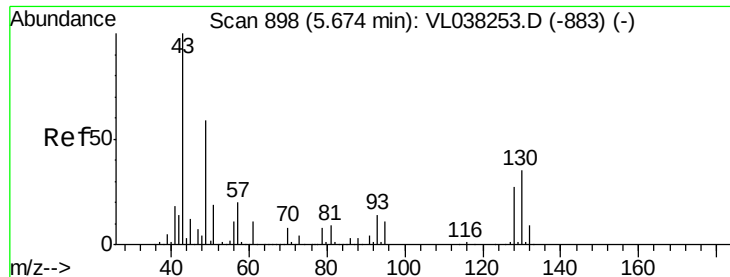
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	2890428	9.131	ppbv	97
45) t-1,3-Dichloropropene	9.26	75	202214	3.917	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	351183	5.099	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	656303	9.172	ppbv	98
48) Dibromochloromethane	10.29	129	1121991	9.314	ppbv	98
49) Bromoform	13.02	173	880152	10.135	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	1222963	10.324	ppbv	99
51) 2-Hexanone	10.12	43	614575	11.780	ppbv #	99
52) Tetrachloroethene	11.21	164	506802	8.187	ppbv	98
53) Toluene	9.79	91	1832270	9.216	ppbv	100
54) 1,2-Dibromoethane	10.59	107	878486	8.636	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	751061	7.708	ppbv	96
57) Chlorobenzene	12.13	112	1267808	7.117	ppbv	99
58) Ethyl Benzene	12.69	91	2449424	7.486	ppbv	100
59) m/p-Xylene	12.98	91	2277098	8.158	ppbv #	48
60) o-Xylene	13.68	91	1945245	7.493	ppbv	99
61) Styrene	13.51	104	923423	7.621	ppbv	99
62) Isopropylbenzene	14.65	105	2688983	7.769	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	1482699	7.718	ppbv	100
64) n-propylbenzene	15.55	120	662036	7.952	ppbv	97
65) tert-Butylbenzene	16.73	119	2299630	8.067	ppbv	99
66) Benzyl Chloride	16.97	91	20605	1.591	ppbv #	92
67) sec-Butylbenzene	17.28	105	3201307	8.073	ppbv	99
69) p-Isopropyltoluene	17.64	119	2485086	8.189	ppbv	99
70) n-Butylbenzene	18.53	91	2496897	8.401	ppbv	100
71) 2-Chlorotoluene	15.44	91	2033405	7.932	ppbv	99
72) 4-Ethyltoluene	15.82	105	2177075	8.019	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	1909988	7.823	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	1969403	7.656	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	1054381	7.639	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	997390	7.463	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	1016224	7.927	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	572010	6.417	ppbv	99
79) Naphthalene	22.18	128	900048	7.484	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	102213	7.815	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	292441	4.134	ppbv #	29

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 28 Jan 2022 9:58

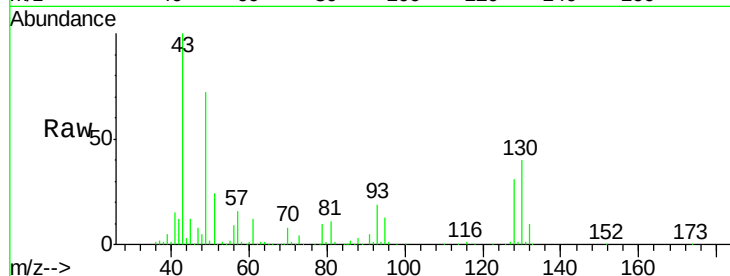
Tgt Ion: 49 Resp: 756339

Ion Ratio Lower Upper

49 100

128 49.6 24.5 73.5

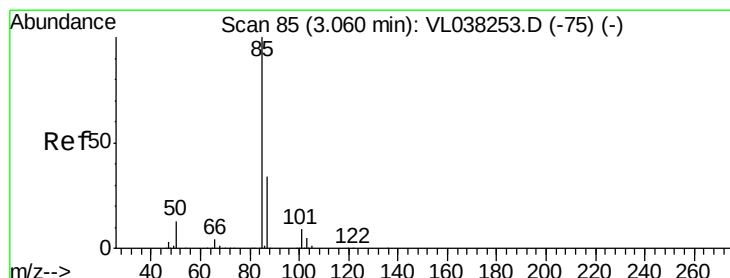
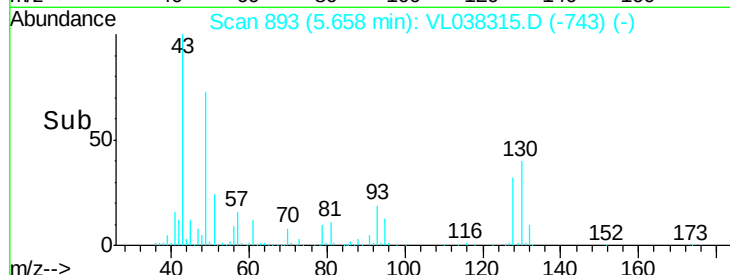
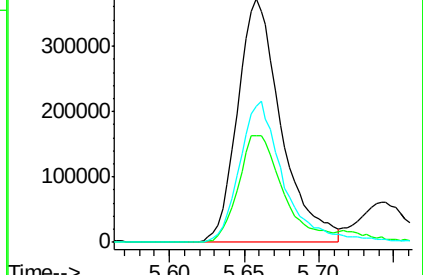
130 59.3 30.1 90.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.260 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.01 min

Lab File: VL038315.D

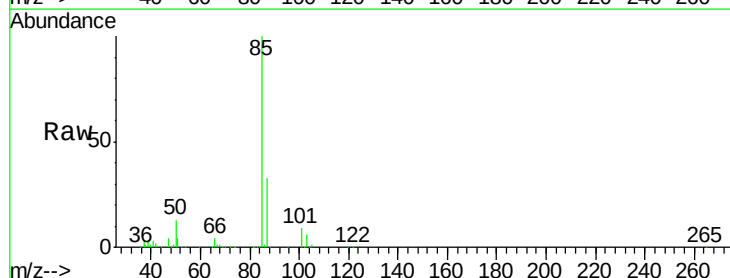
Acq: 28 Jan 2022 9:58

Tgt Ion: 85 Resp: 1329998

Ion Ratio Lower Upper

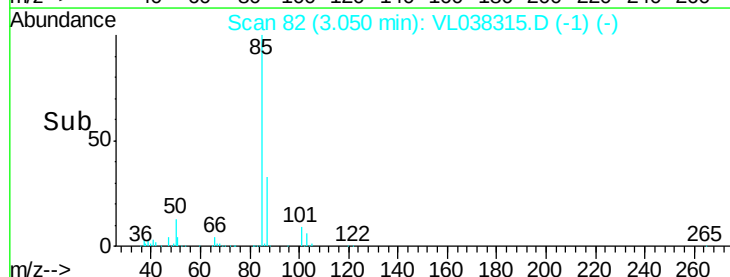
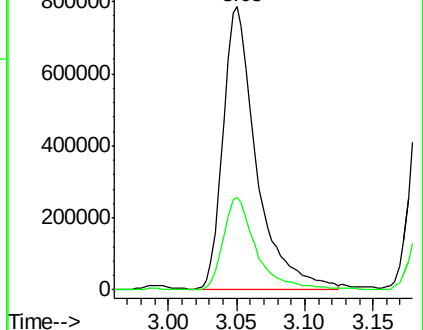
85 100

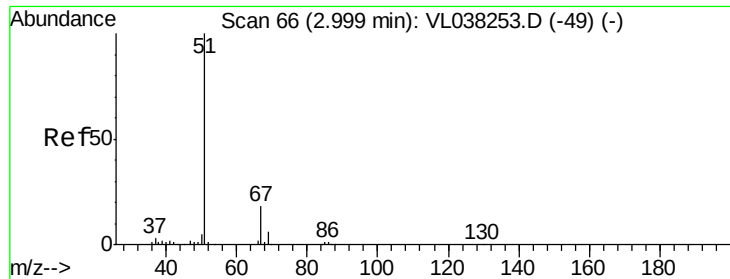
87 32.7 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

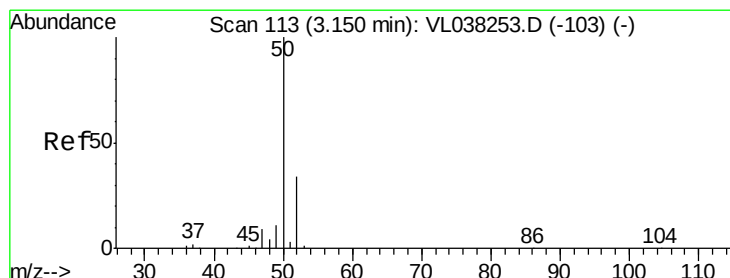
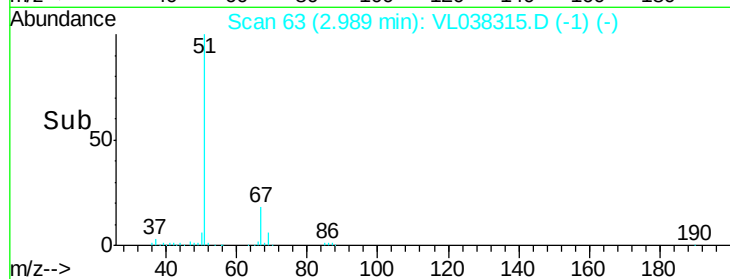
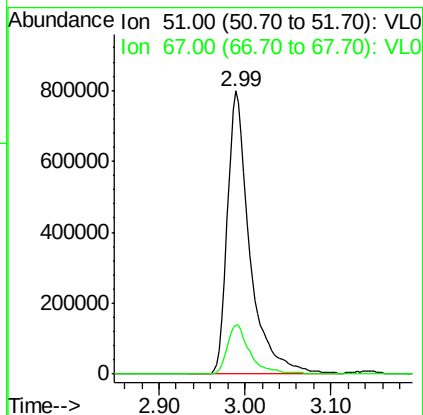
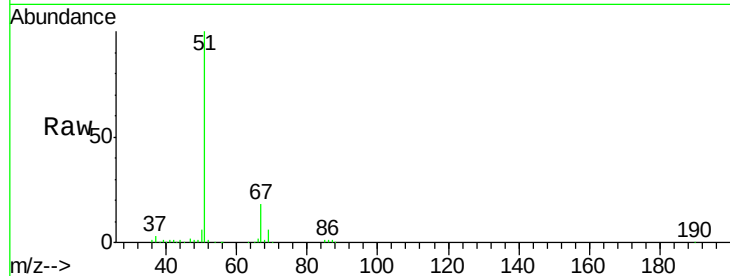
Ion 87.00 (86.70 to 87.70): VL0





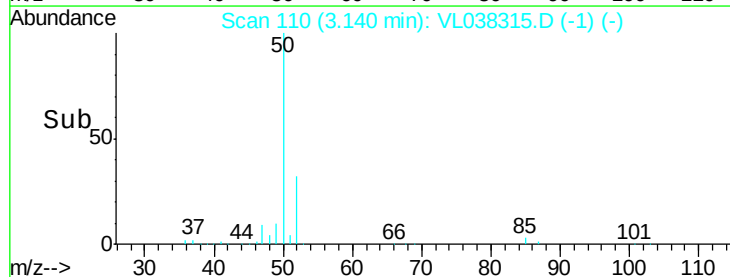
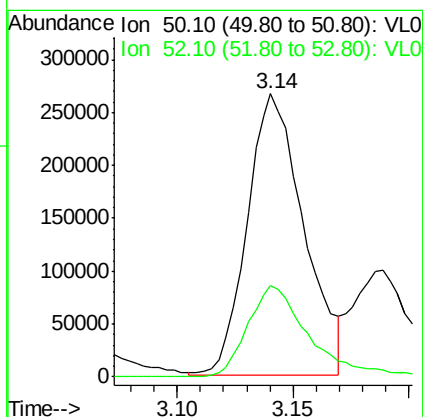
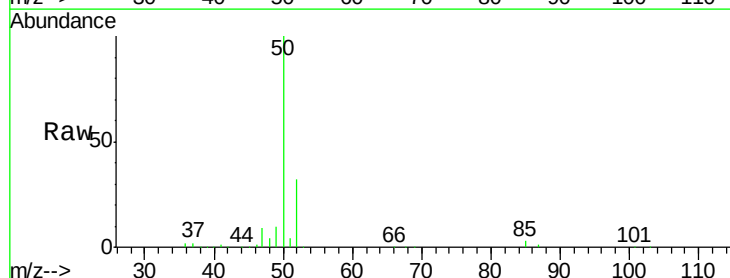
#3
Chlorodifluoromethane
Concen: 9.591 ppbv
RT: 2.99
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 28 Jan 2022 9:58

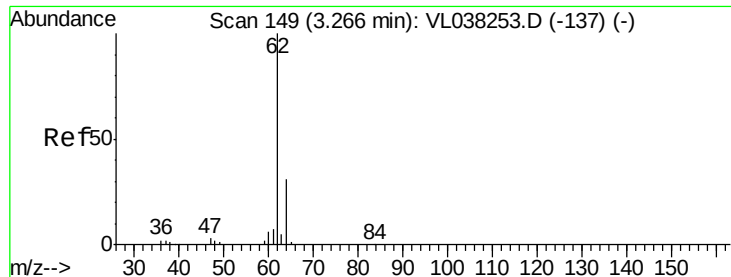
Tgt Ion: 51 Resp: 1444036
Ion Ratio Lower Upper
51 100
67 18.0 14.4 21.6



#4
Chloromethane
Concen: 8.734 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.01 min
Lab File: VL038315.D
Acq: 28 Jan 2022 9:58

Tgt Ion: 50 Resp: 452430
Ion Ratio Lower Upper
50 100
52 32.6 27.1 40.7





#5

Vinyl Chloride

Concen: 8.945 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

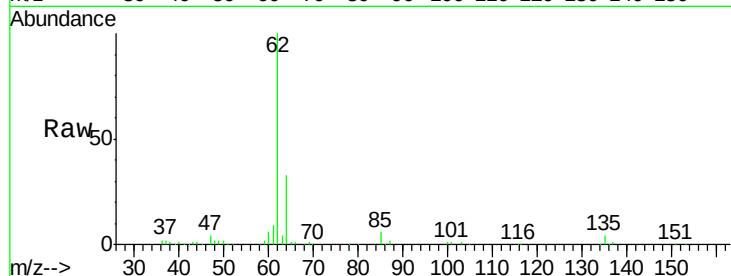
Acq: 28 Jan 2022 9:58

Tgt Ion: 62 Resp: 462444

Ion Ratio Lower Upper

62 100

64 33.0 24.4 36.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

250000

200000

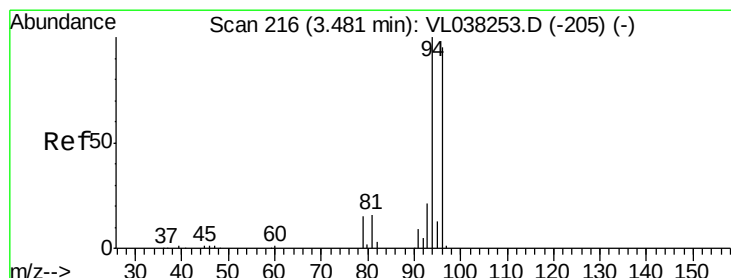
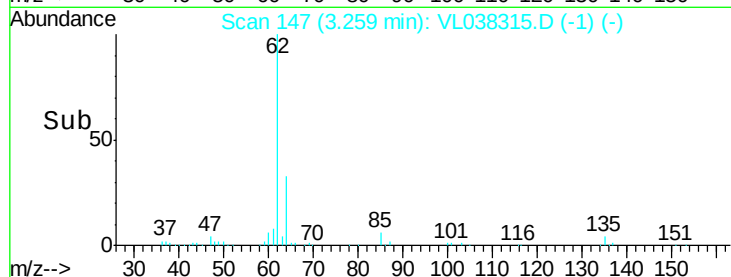
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 5.986 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL038315.D

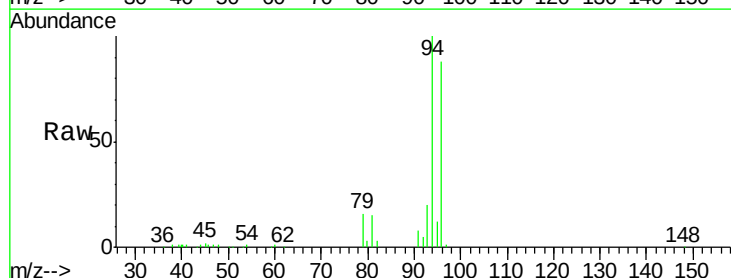
Acq: 28 Jan 2022 9:58

Tgt Ion: 94 Resp: 167311

Ion Ratio Lower Upper

94 100

96 87.6 76.0 114.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

100000

80000

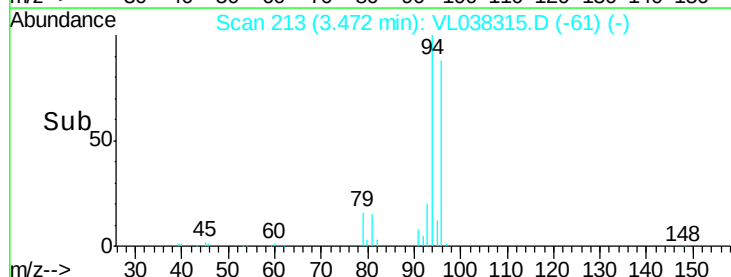
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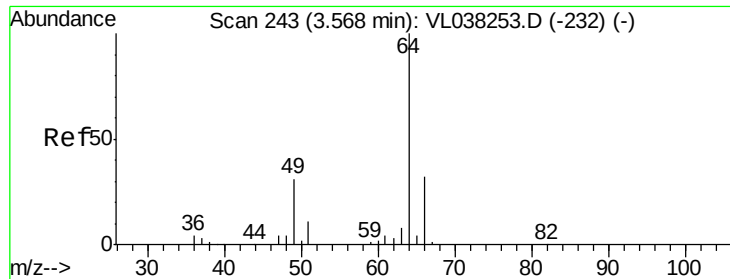
40000

20000

0

Time-->





#7

Chloroethane

Concen: 9.185 ppbv

RT: 3.56 Instrument: MSVOA_L

Delta R.T. -0.01 min

Lab File: ClientSampleId: VSTDCCC010EC

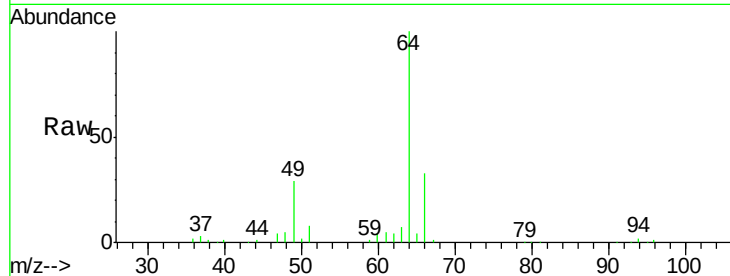
Acq: 28 Jan 2022 9:58

Tgt Ion: 64 Resp: 160394

Ion Ratio Lower Upper

64 100

66 33.5 25.8 38.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

80000

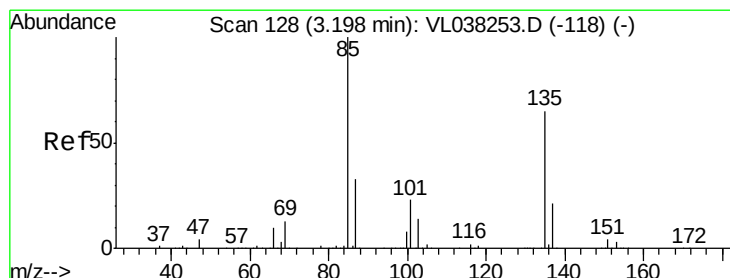
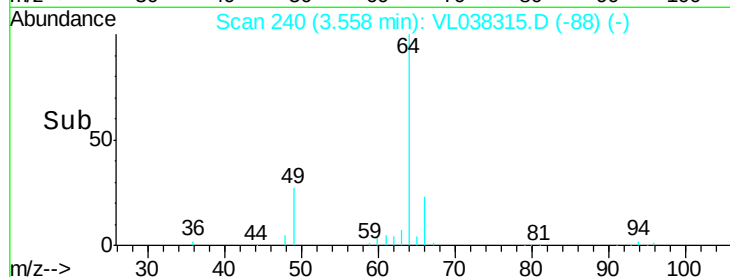
60000

40000

20000

0

Time--> 3.50 3.55 3.60



#8

Dichlorotetrafluoroethane

Concen: 8.990 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.01 min

Lab File: VL038315.D

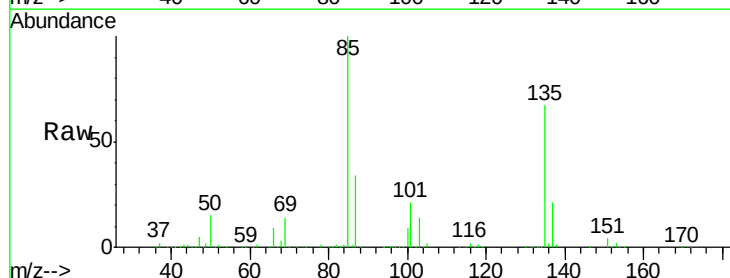
Acq: 28 Jan 2022 9:58

Tgt Ion: 85 Resp: 1119977

Ion Ratio Lower Upper

85 100

135 67.4 53.7 80.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

3.19

800000

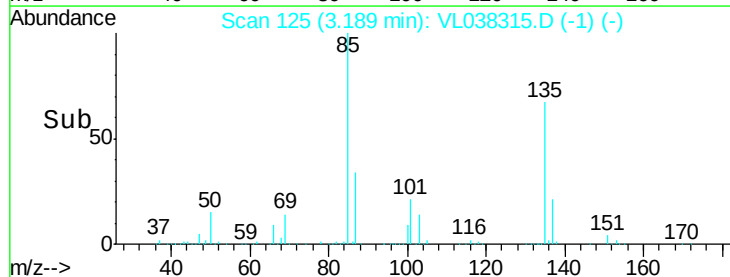
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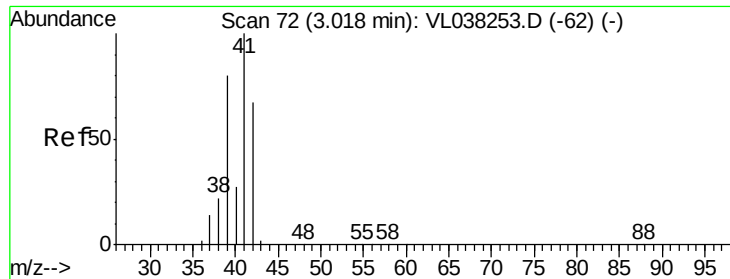
400000

200000

0

Time--> 3.10 3.15 3.20 3.25 3.30





#9

Propene

Concen: 8.948 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

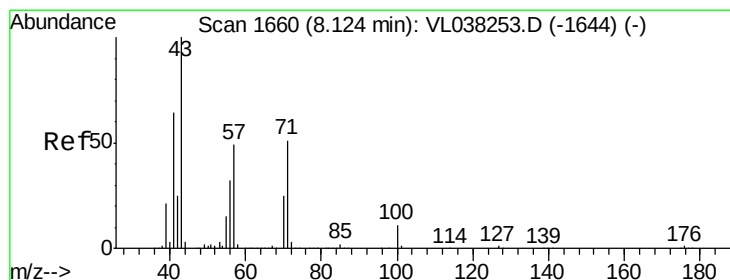
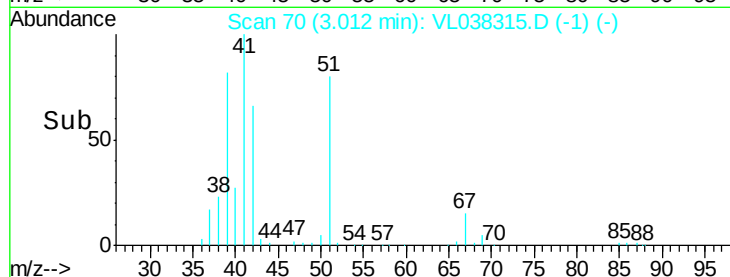
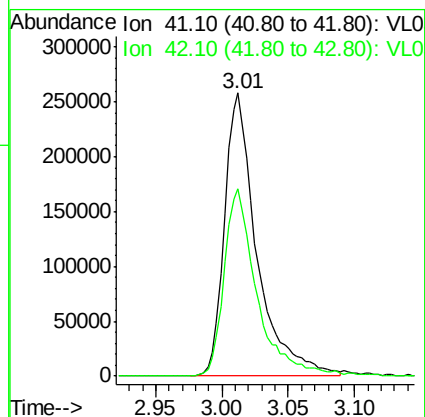
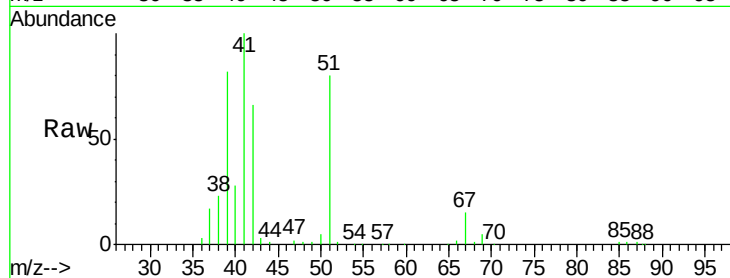
Acq: 28 Jan 2022 9:58 VSTDCCC010EC

Tgt Ion: 41 Resp: 438592

Ion Ratio Lower Upper

41 100

42 67.6 54.9 82.3



#10

Heptane

Concen: 8.939 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VL038315.D

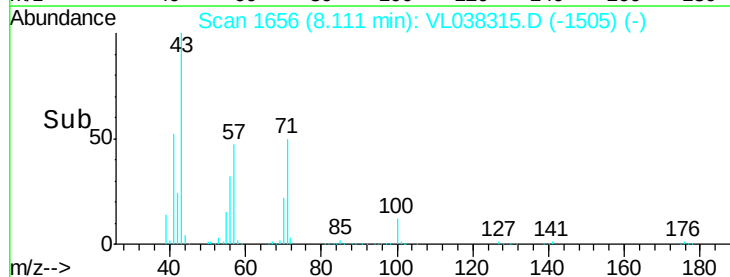
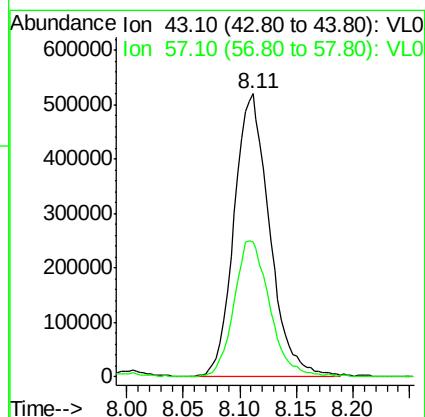
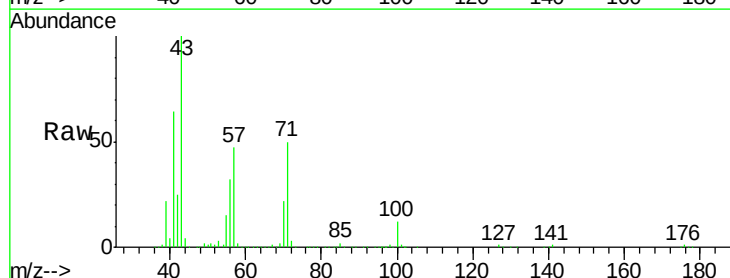
Acq: 28 Jan 2022 9:58

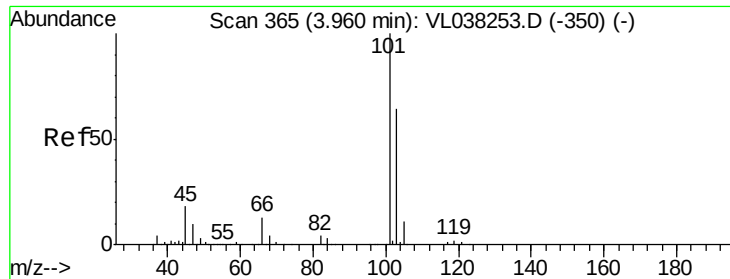
Tgt Ion: 43 Resp: 1127322

Ion Ratio Lower Upper

43 100

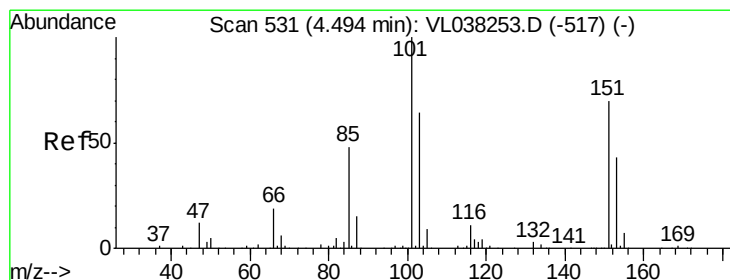
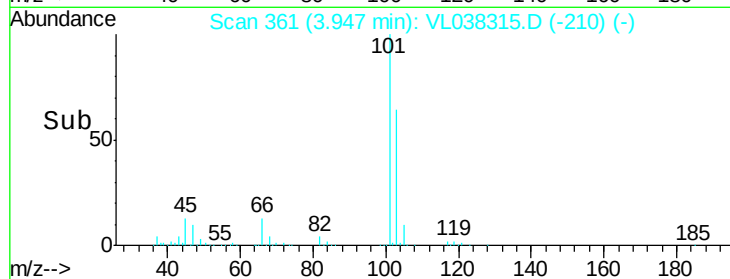
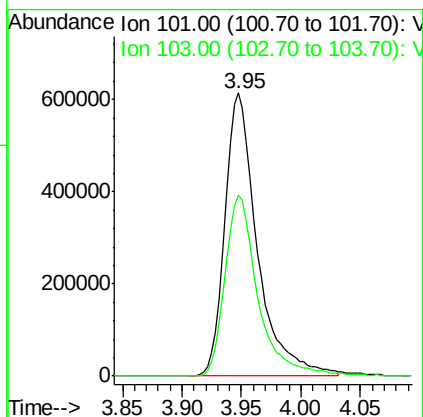
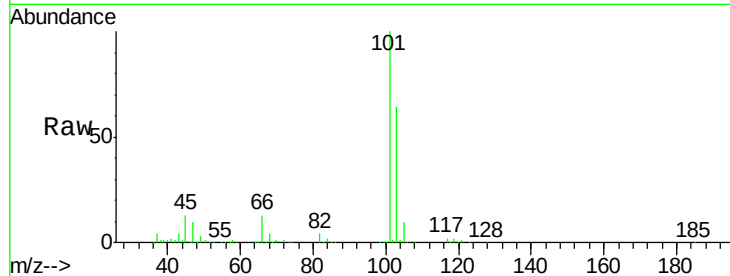
57 48.8 39.5 59.3





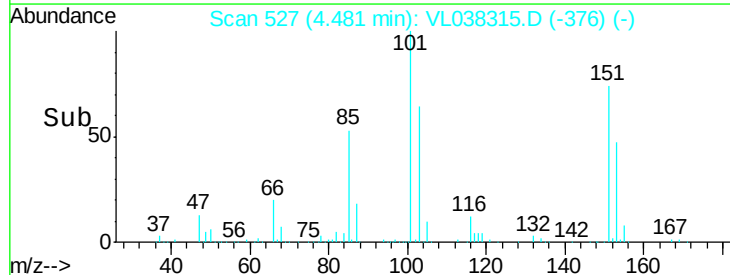
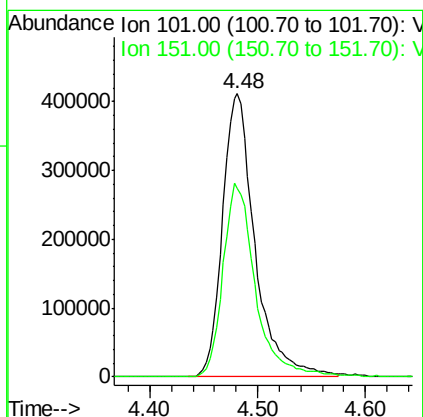
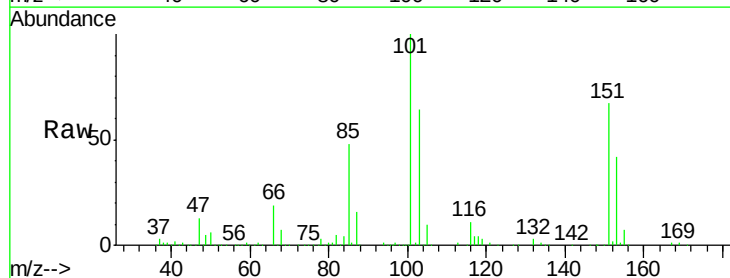
#11
 Trichlorofluoromethane
 Concen: 9.269 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

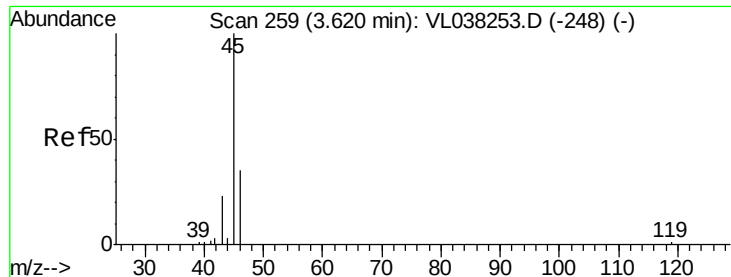
Tgt Ion:101 Resp: 1162632
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.2 76.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.088 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

Tgt Ion:101 Resp: 861699
 Ion Ratio Lower Upper
 101 100
 151 68.6 55.3 82.9





#13

Ethanol

Concen: 6.978 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

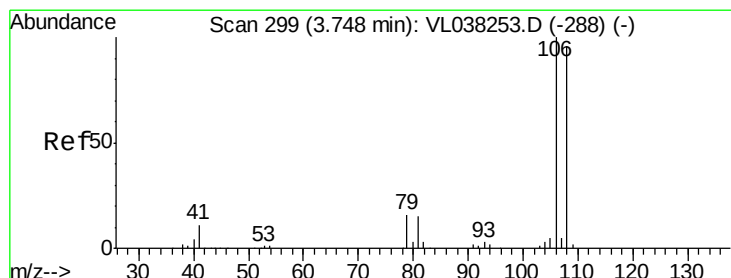
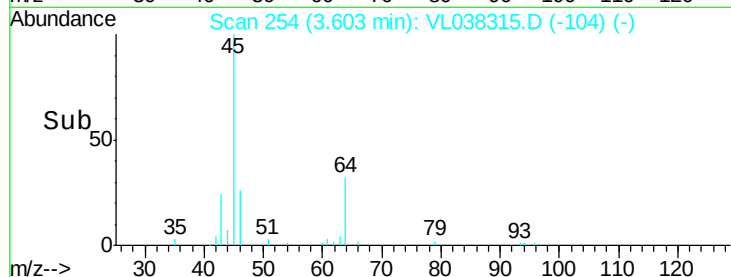
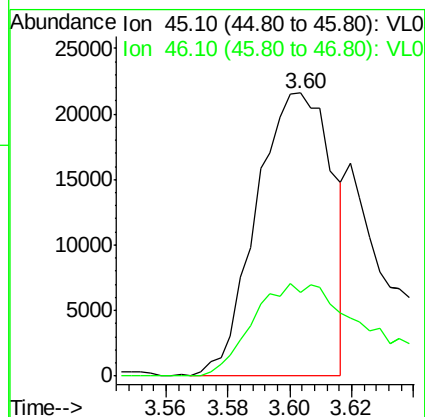
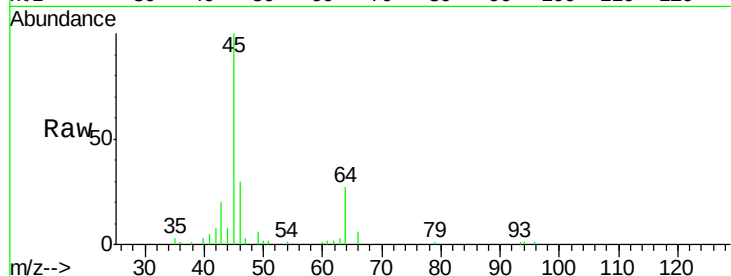
Acq: 28 Jan 2022 9:58 VSTDCCC010EC

Tgt Ion: 45 Resp: 36716

Ion Ratio Lower Upper

45 100

46 54.7 15.4 61.6



#14

Bromoethene

Concen: 9.135 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.01 min

Lab File: VL038315.D

Acq: 28 Jan 2022 9:58

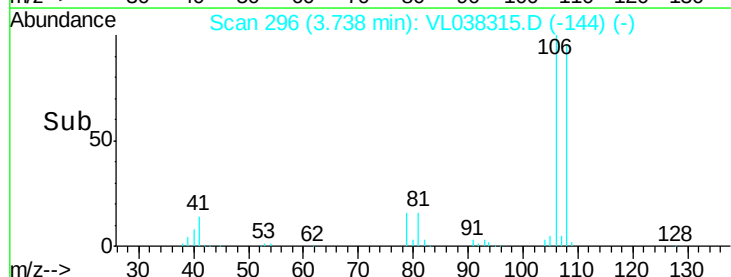
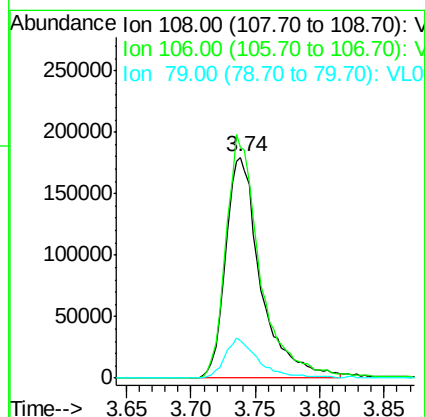
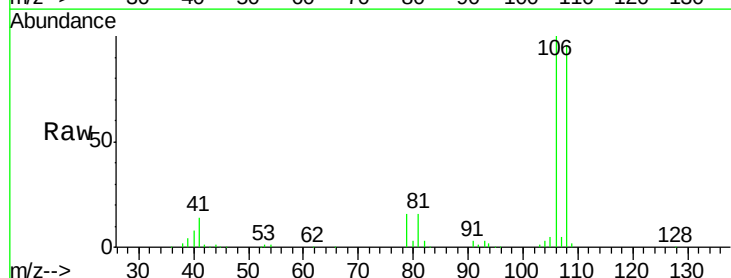
Tgt Ion: 108 Resp: 338435

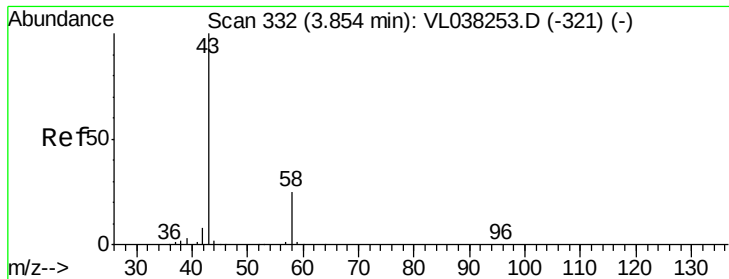
Ion Ratio Lower Upper

108 100

106 109.4 86.4 129.6

79 17.7 14.1 21.1





#15

Acetone

Concen: 9.934 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

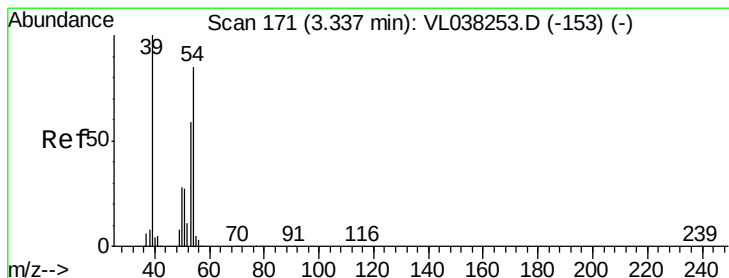
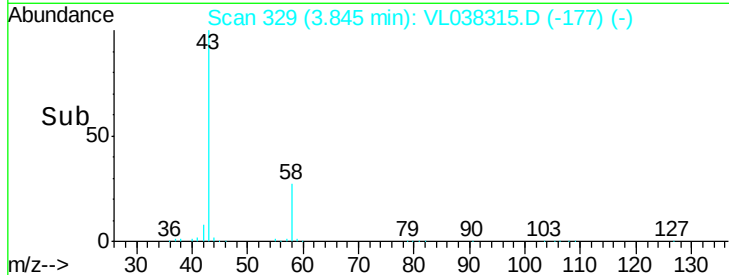
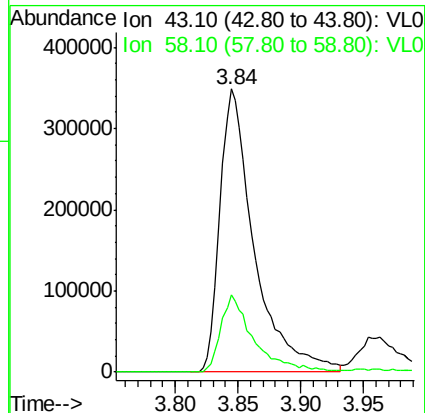
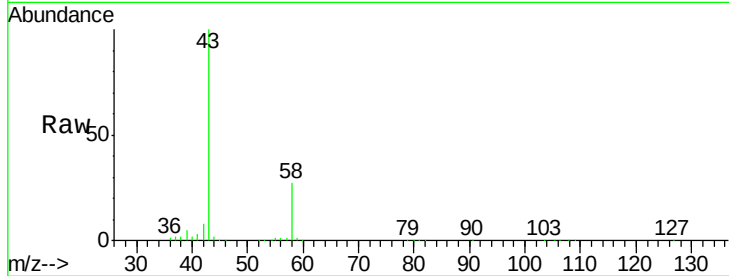
Acq: 28 Jan 2022 9:58 VSTDCCC010EC

Tgt Ion: 43 Resp: 662316

Ion Ratio Lower Upper

43 100

58 26.5 21.5 32.3



#16

1,3-Butadiene

Concen: 10.008 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.01 min

Lab File: VL038315.D

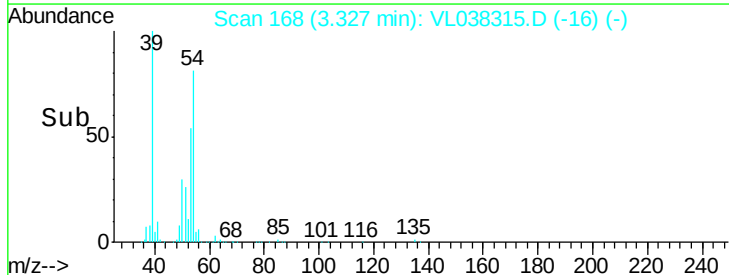
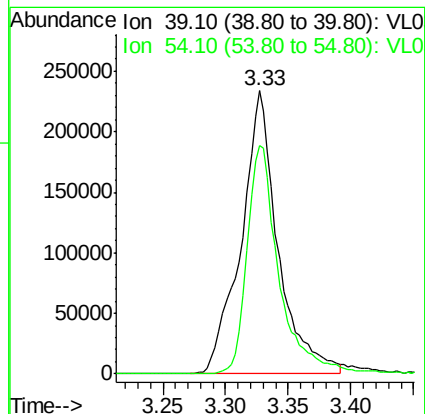
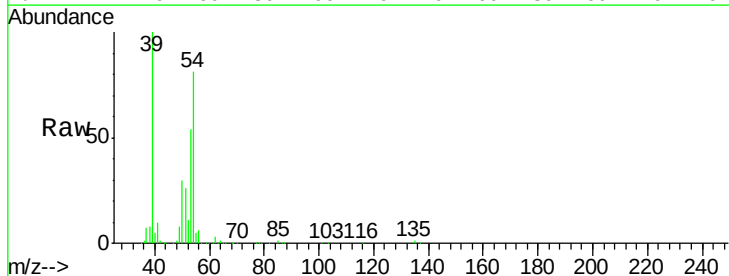
Acq: 28 Jan 2022 9:58

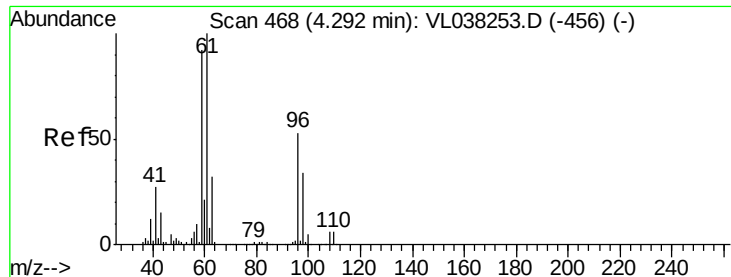
Tgt Ion: 39 Resp: 478822

Ion Ratio Lower Upper

39 100

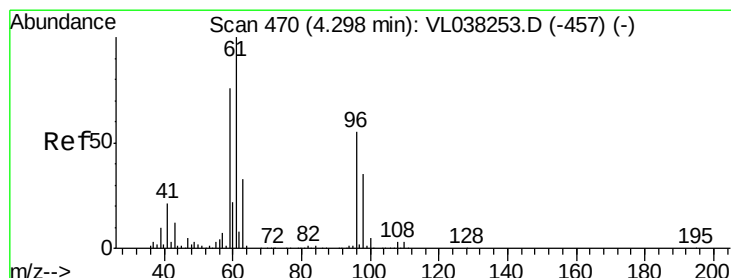
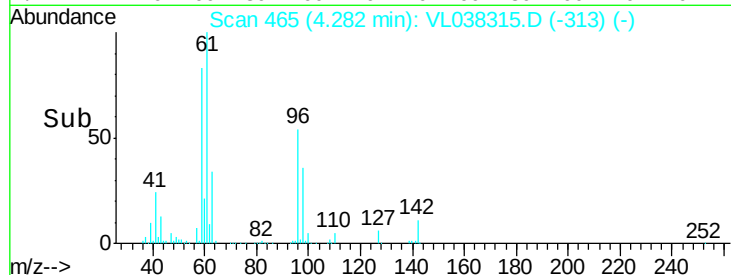
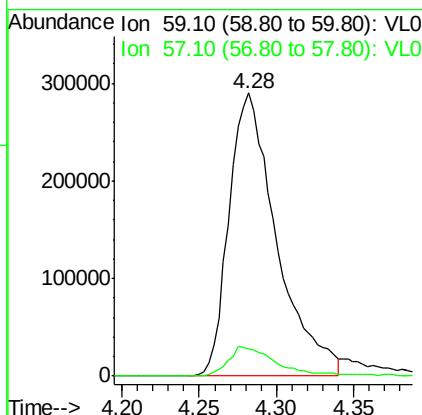
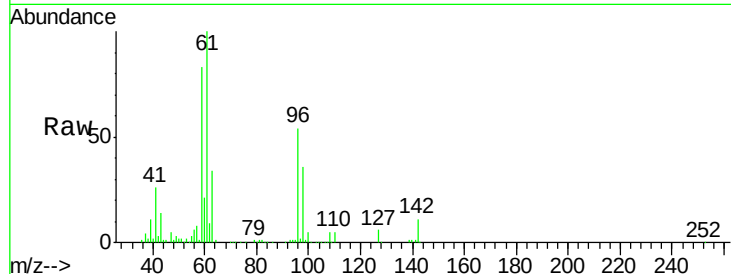
54 70.6 62.6 94.0





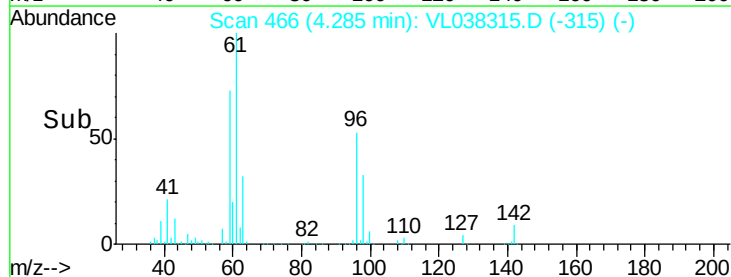
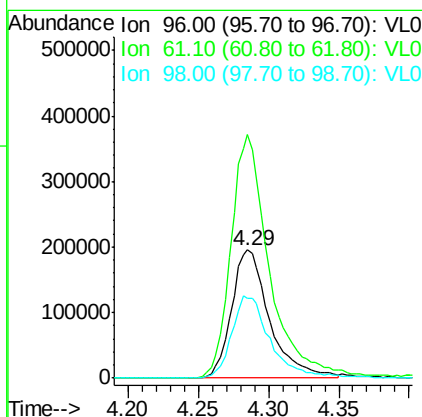
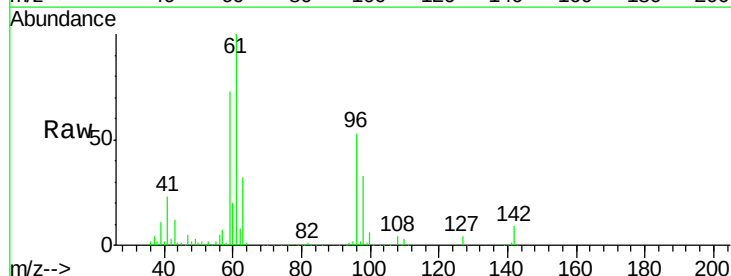
#17
 tert-Butyl alcohol
 Concen: 8.489 ppbv
 RT: 4.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

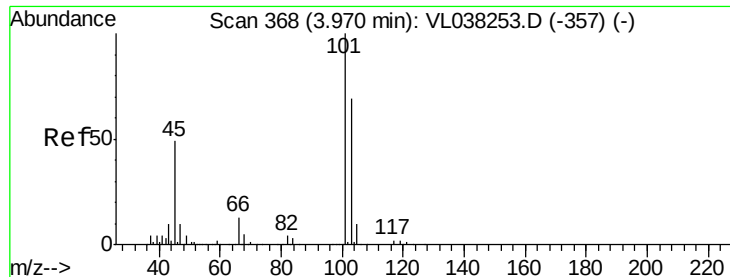
Tgt Ion: 59 Resp: 621210
 Ion Ratio Lower Upper
 59 100
 57 11.1 9.2 13.8



#18
 1,1-Dichloroethene
 Concen: 8.990 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

Tgt Ion: 96 Resp: 370679
 Ion Ratio Lower Upper
 96 100
 61 189.7 146.5 219.7
 98 62.1 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.643 ppbv

RT: 3.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

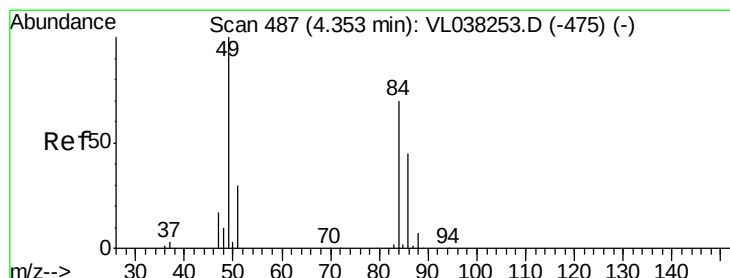
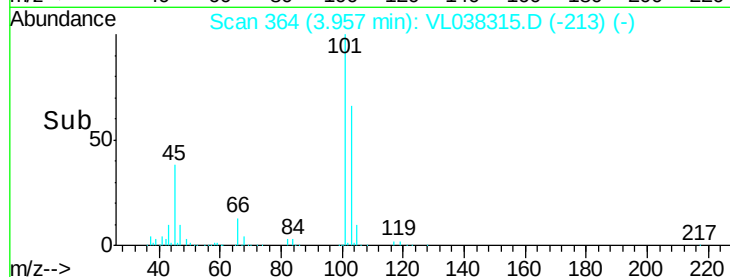
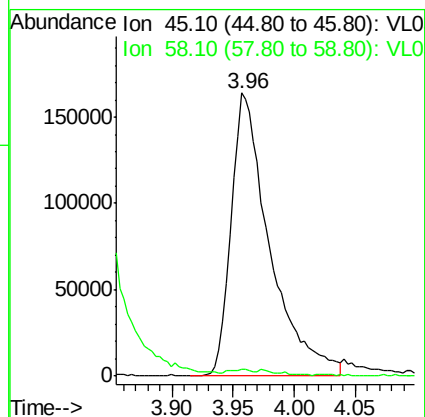
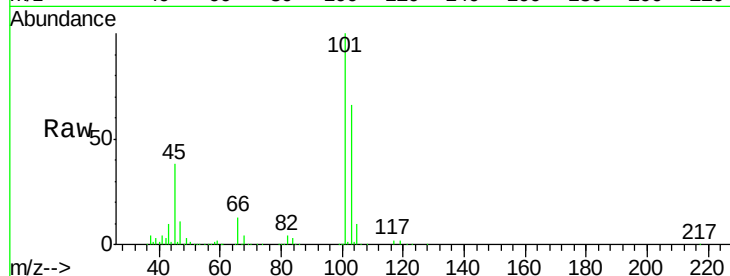
Acq: 28 Jan 2022 9:58

Tgt Ion: 45 Resp: 360474

Ion Ratio Lower Upper

45 100

58 2.1 2.3 3.5#



#20

Methylene Chloride

Concen: 7.925 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL038315.D

Acq: 28 Jan 2022 9:58

Tgt Ion: 84 Resp: 307300

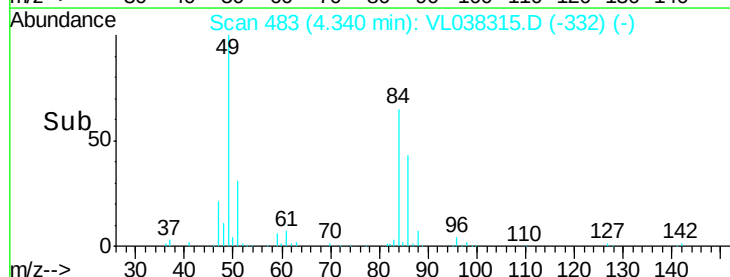
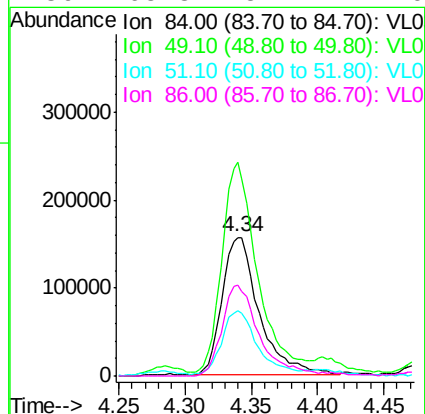
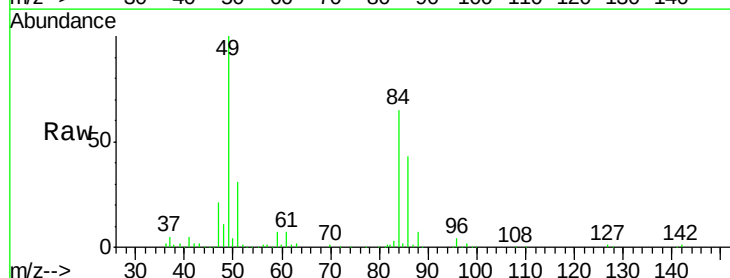
Ion Ratio Lower Upper

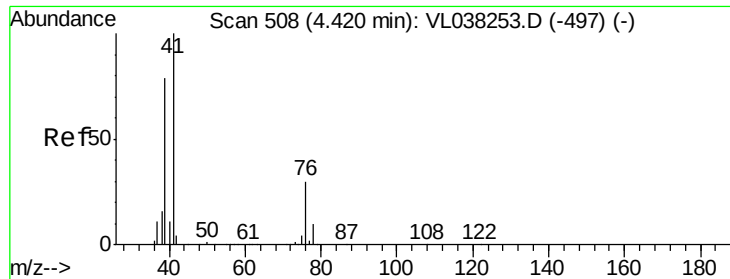
84 100

49 152.3 115.0 172.6

51 46.4 35.0 52.6

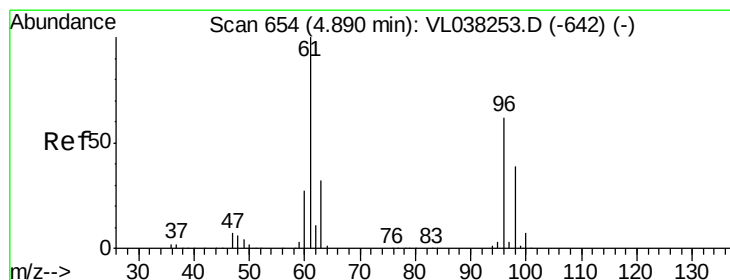
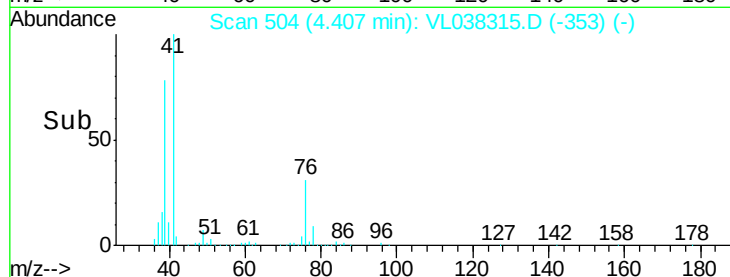
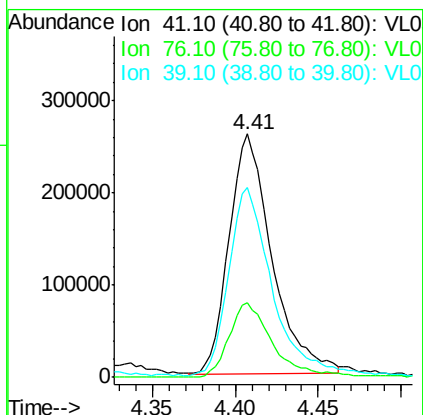
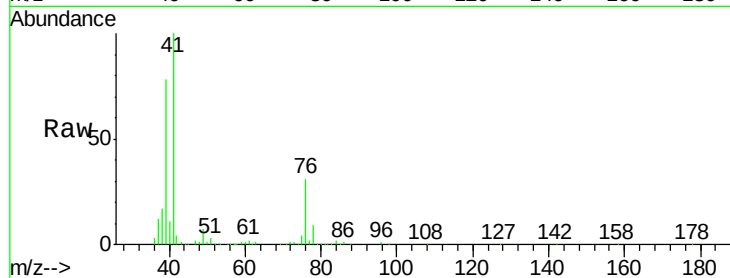
86 65.8 51.4 77.0





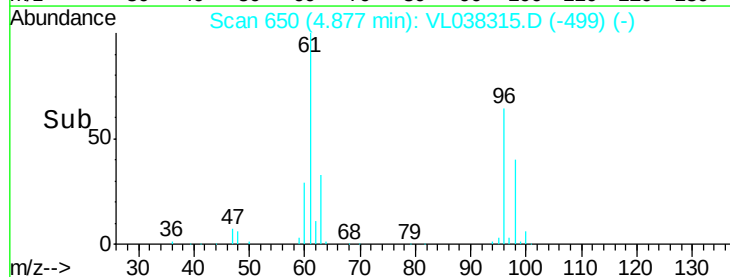
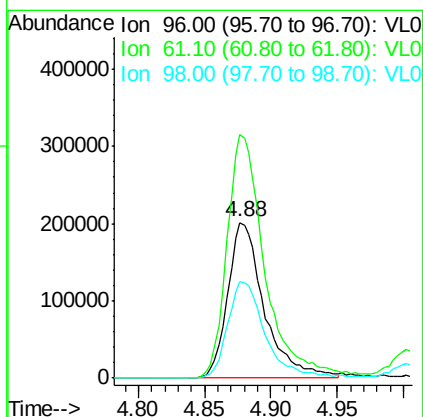
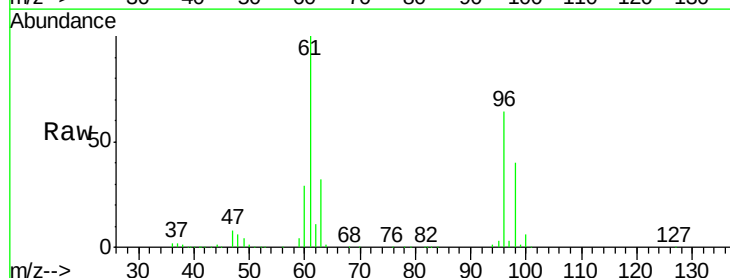
#21
 Allyl Chloride
 Concen: 7.949 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

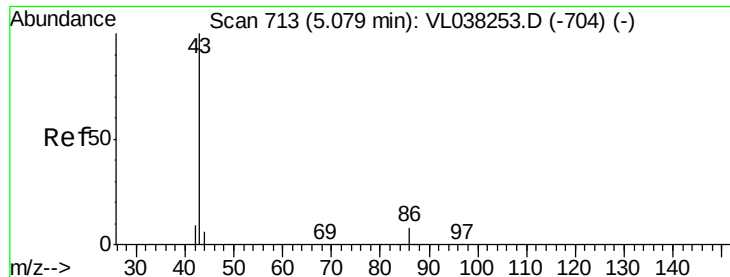
Tgt Ion: 41 Resp: 468927
 Ion Ratio Lower Upper
 41 100
 76 32.0 25.0 37.6
 39 80.4 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.072 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. -0.01 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

Tgt Ion: 96 Resp: 386495
 Ion Ratio Lower Upper
 96 100
 61 156.4 128.8 193.2
 98 62.0 49.8 74.8





#23

Vinyl Acetate

Concen: 9.206 ppbv

RT: 5.06

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 9:58

Tgt Ion: 43 Resp: 892399

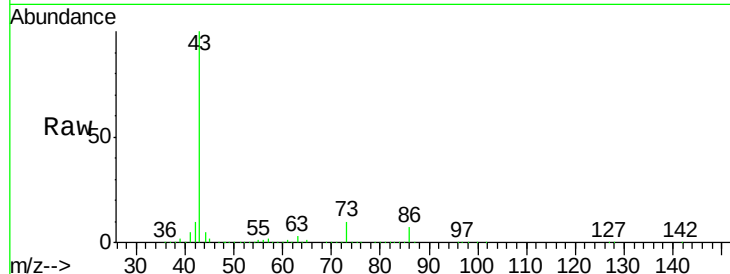
Ion Ratio Lower Upper

43 100

86 6.8 5.7 8.5

42 9.5 7.7 11.5

44 4.7 4.2 6.4

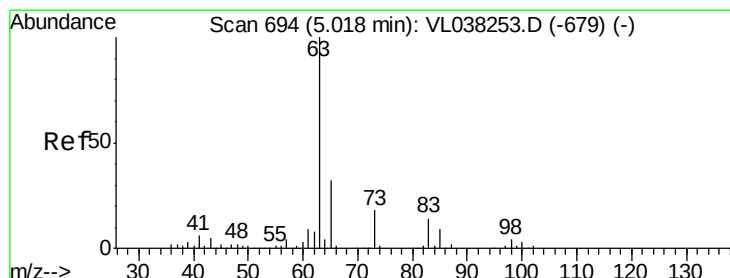
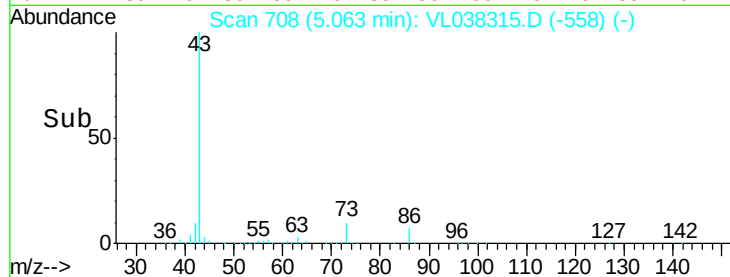
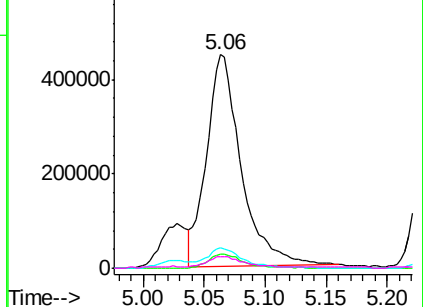


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.184 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL038315.D

Acq: 28 Jan 2022 9:58

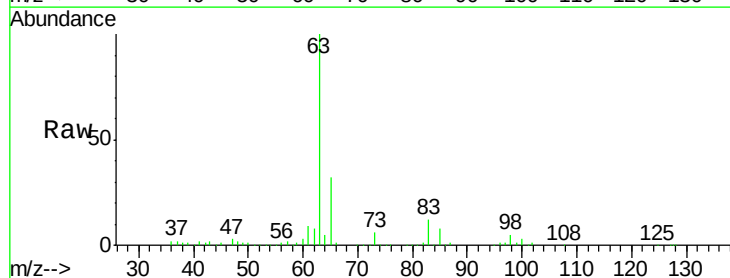
Tgt Ion: 63 Resp: 793138

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.8

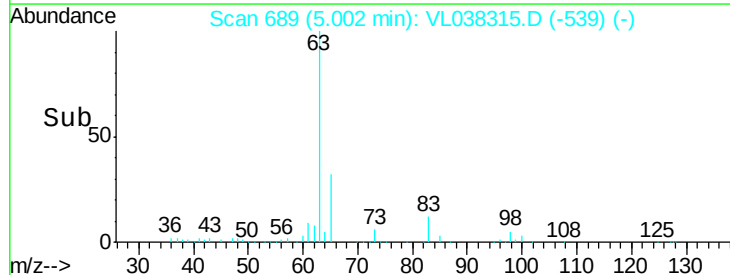
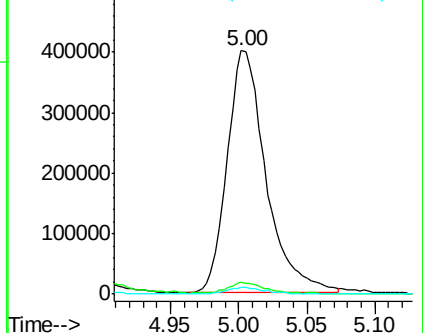
100 2.5 1.3 3.9

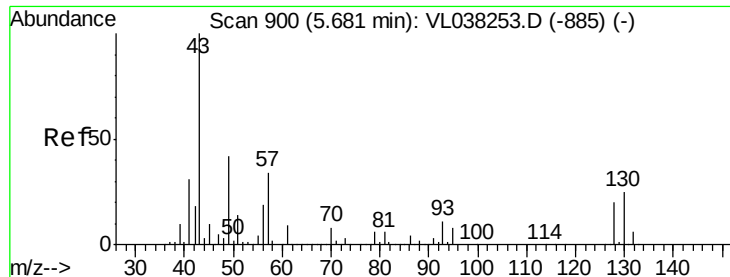


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

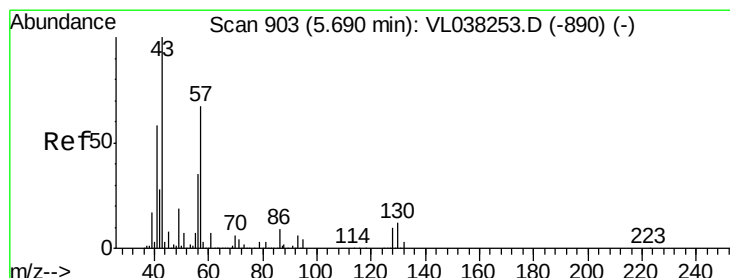
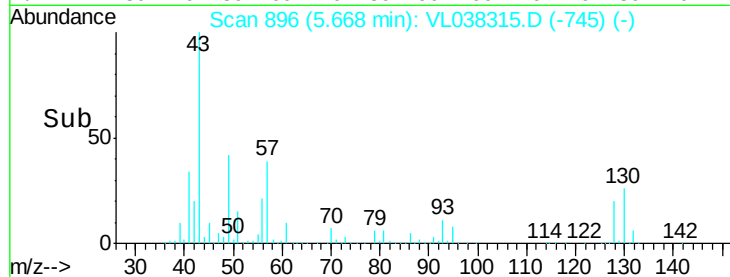
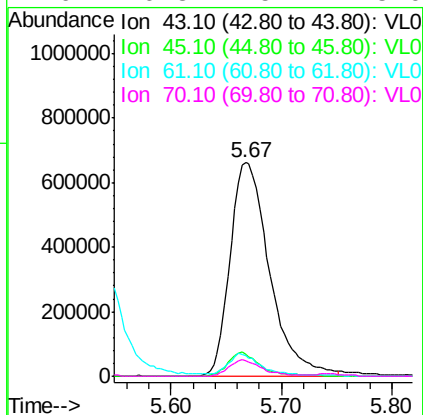
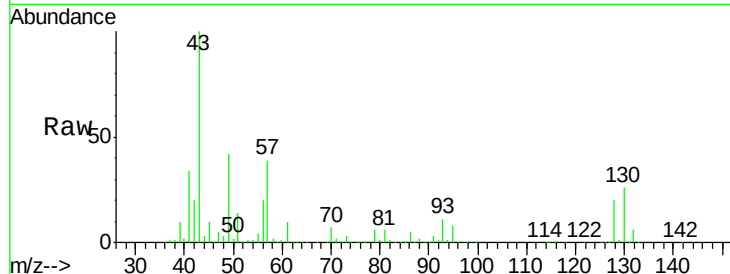




#25
Ethyl Acetate
Concen: 8.767 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 28 Jan 2022 9:58

Tgt Ion: 43 Resp: 1636661

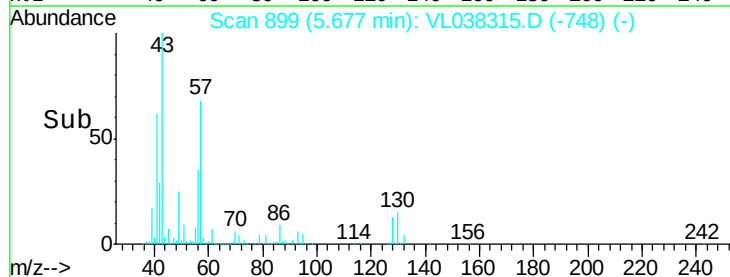
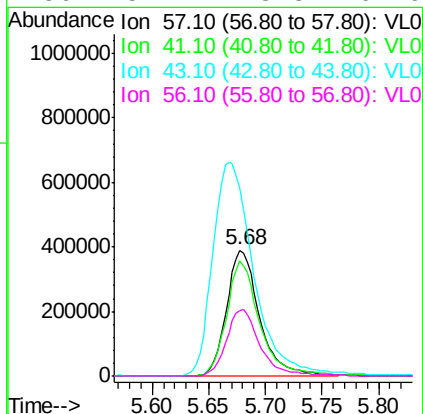
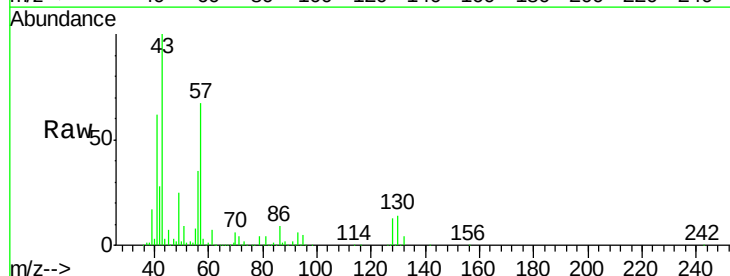
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.9	11.9
61	9.3	7.8	11.8
70	6.3	5.4	8.0

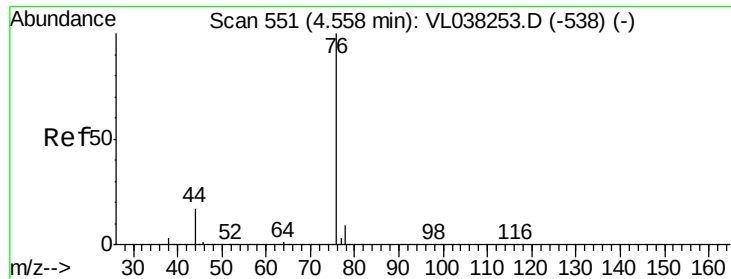


#26
Hexane
Concen: 9.131 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL038315.D
Acq: 28 Jan 2022 9:58

Tgt Ion: 57 Resp: 792818

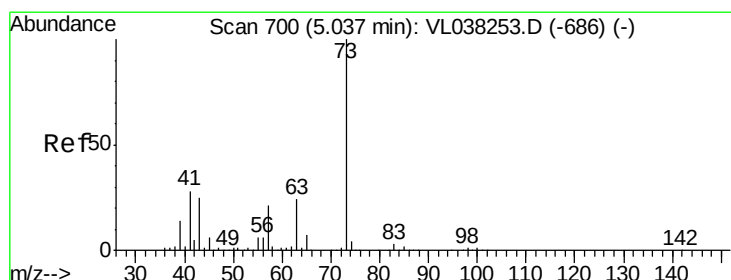
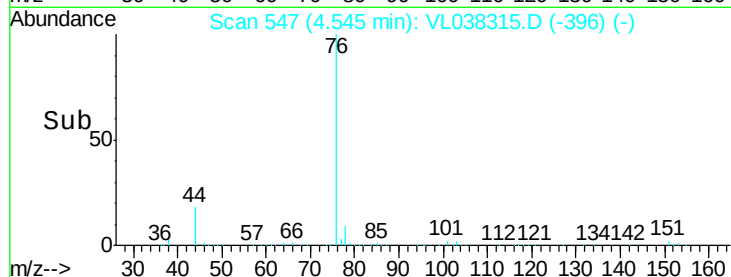
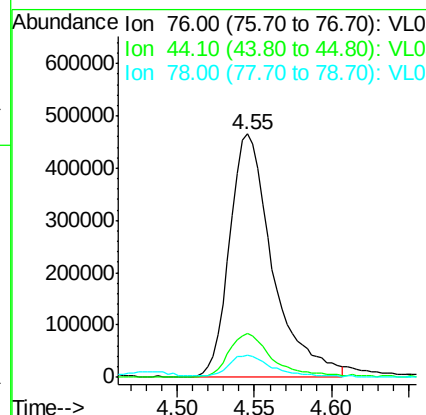
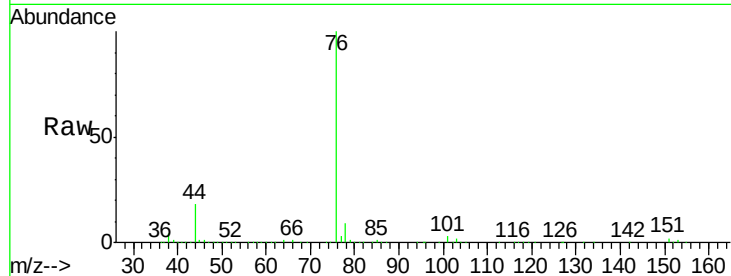
Ion	Ratio	Lower	Upper
57	100		
41	92.8	72.8	109.2
43	210.3	177.0	265.6
56	54.1	43.3	64.9





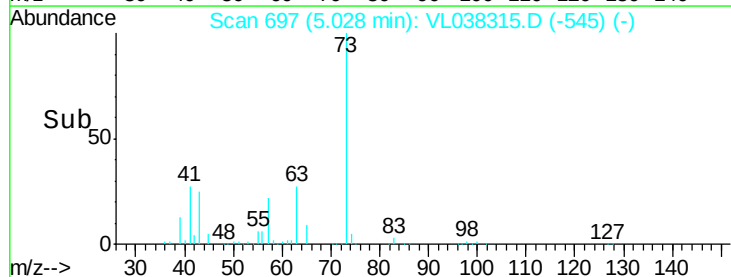
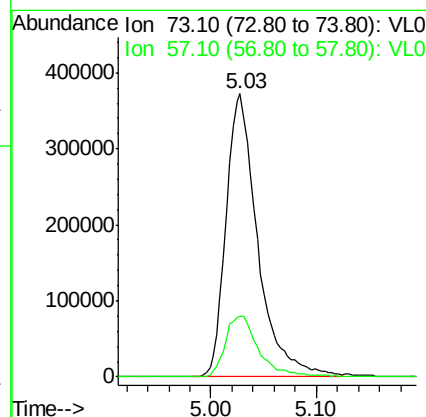
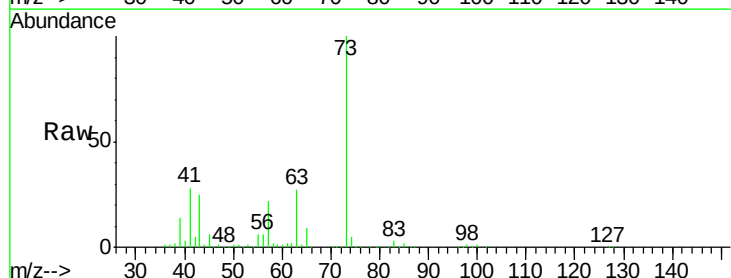
#27
Carbon Disulfide
Concen: 8.771 ppbv
RT: 4.55
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 28 Jan 2022 9:58

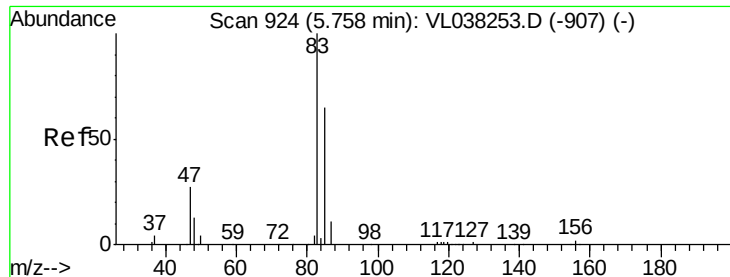
Tgt Ion: 76 Resp: 890955
Ion Ratio Lower Upper
76 100
44 18.9 14.8 22.2
78 9.7 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 8.625 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.01 min
Lab File: VL038315.D
Acq: 28 Jan 2022 9:58

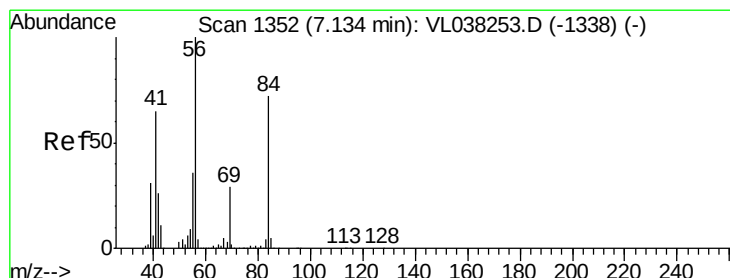
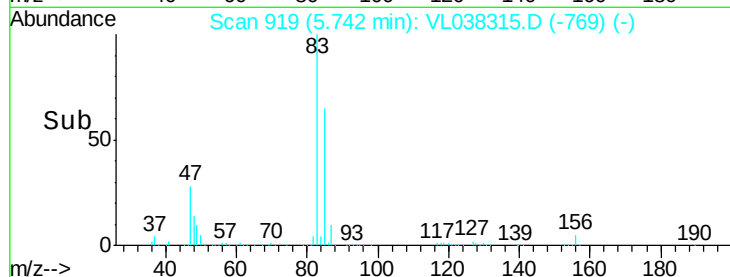
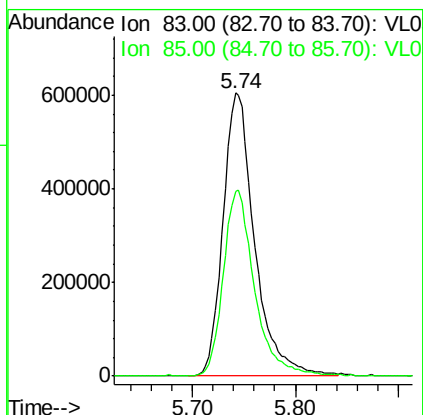
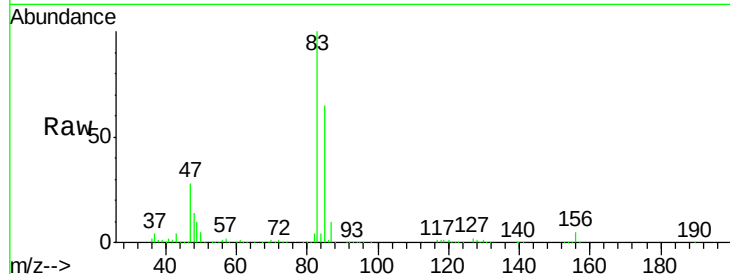
Tgt Ion: 73 Resp: 776874
Ion Ratio Lower Upper
73 100
57 23.1 18.2 27.4





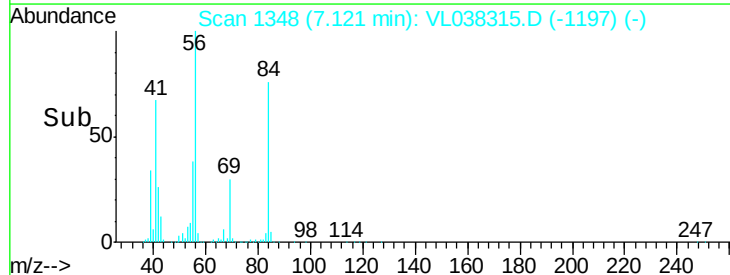
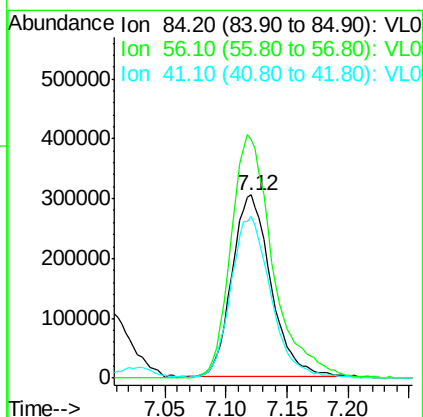
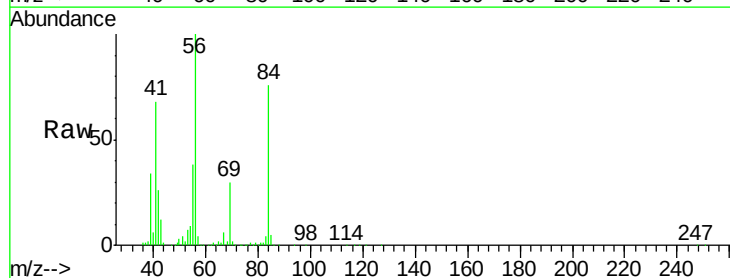
#29
Chloroform
Concen: 9.119 ppbv
RT: 5.74
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 28 Jan 2022 9:58

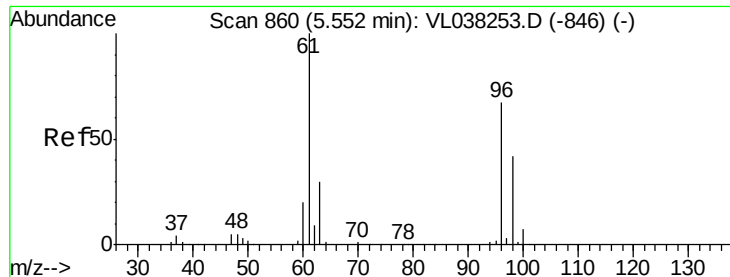
Tgt Ion: 83 Resp: 1292414
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9



#30
Cyclohexane
Concen: 8.911 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.01 min
Lab File: VL038315.D
Acq: 28 Jan 2022 9:58

Tgt Ion: 84 Resp: 673699
Ion Ratio Lower Upper
84 100
56 145.0 112.7 169.1
41 90.9 71.1 106.7





#31

cis-1,2-Dichloroethene

Concen: 8.887 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 9:58 VSTDCCC010EC

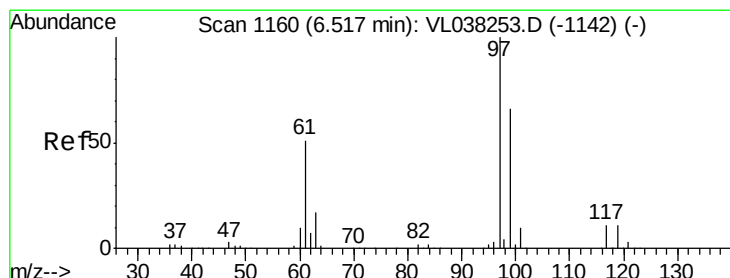
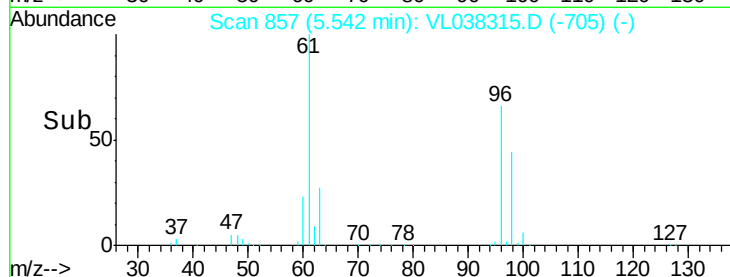
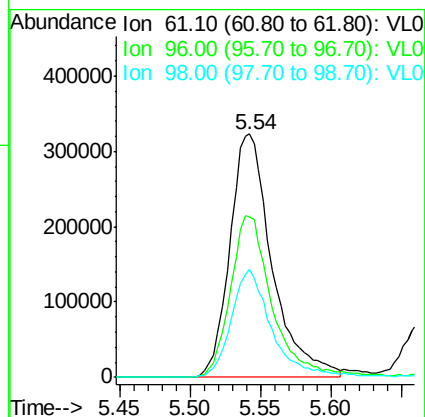
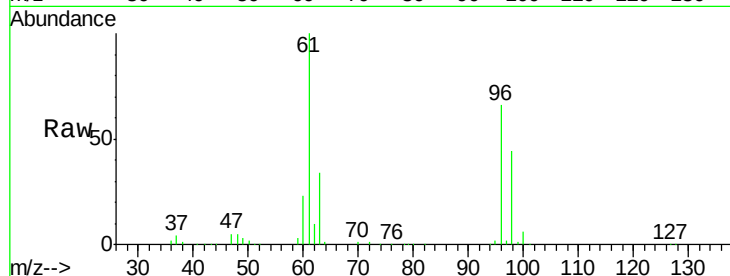
Tgt Ion: 61 Resp: 673134

Ion Ratio Lower Upper

61 100

96 65.6 53.3 79.9

98 44.4 33.7 50.5



#32

1,1,1-Trichloroethane

Concen: 9.125 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.02 min

Lab File: VL038315.D

Acq: 28 Jan 2022 9:58

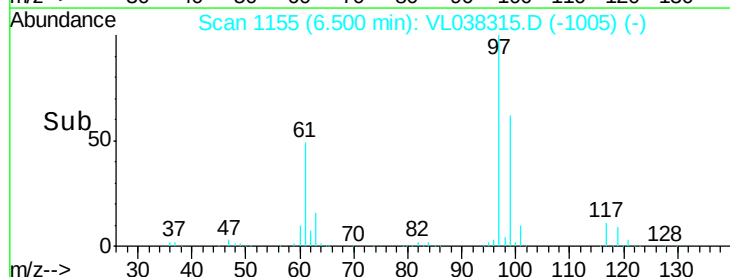
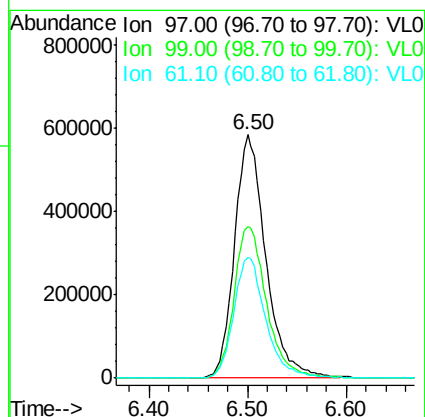
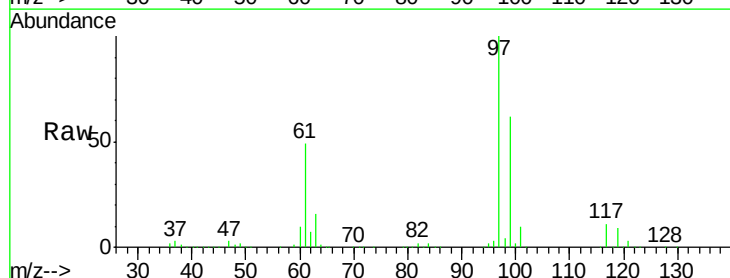
Tgt Ion: 97 Resp: 1291725

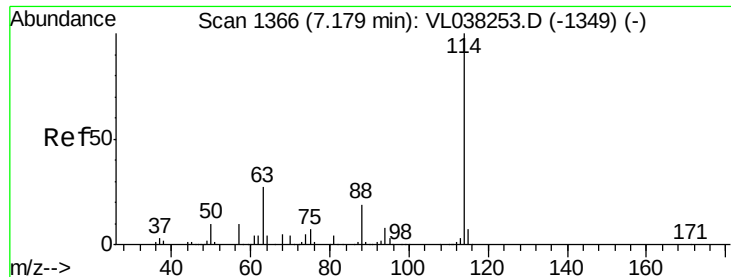
Ion Ratio Lower Upper

97 100

99 64.7 51.5 77.3

61 50.9 40.5 60.7

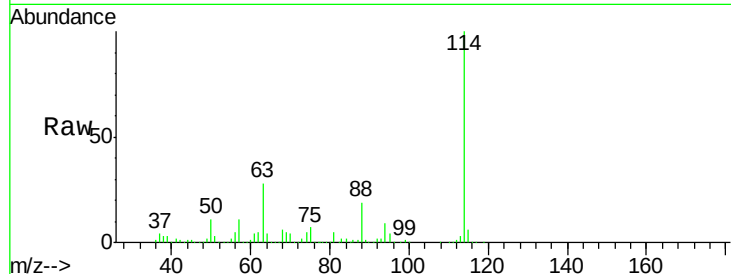




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

Tgt Ion: 114 Resp: 2030603

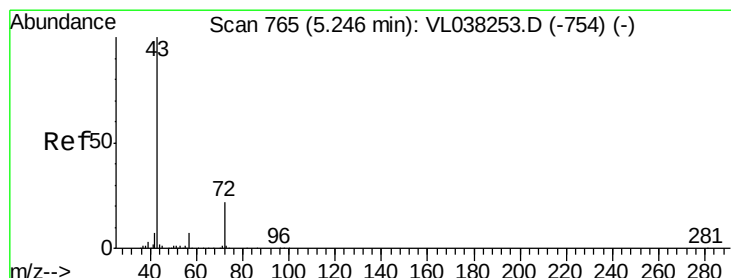
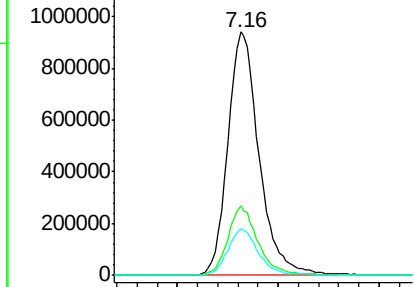
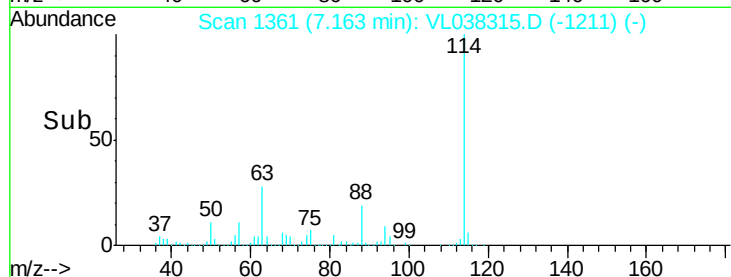
Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.0	33.0
88	19.0	15.0	22.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

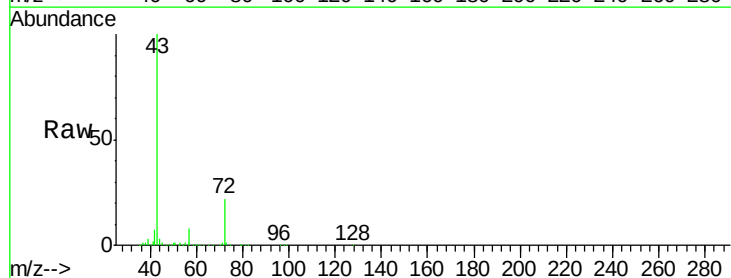
Ion 88.10 (87.80 to 88.80): VL0



#34
 2-Butanone
 Concen: 9.172 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

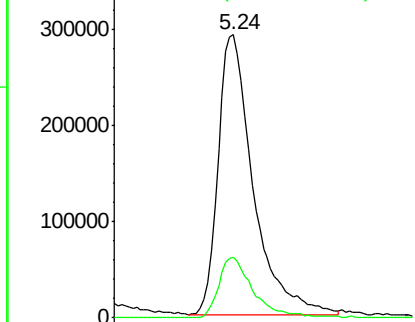
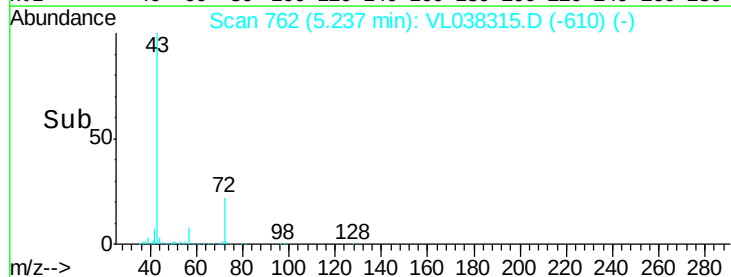
Tgt Ion: 43 Resp: 609063

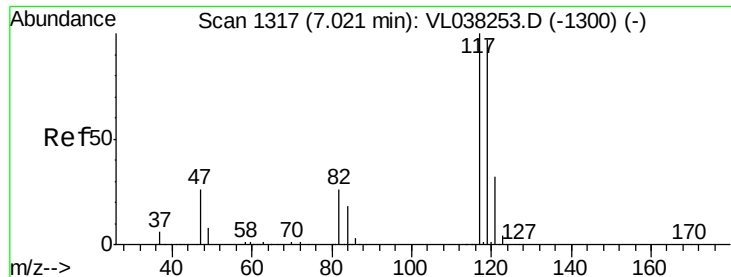
Ion	Ratio	Lower	Upper
43	100		
72	21.8	18.1	27.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.209 ppbv

RT: 7.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 9:58

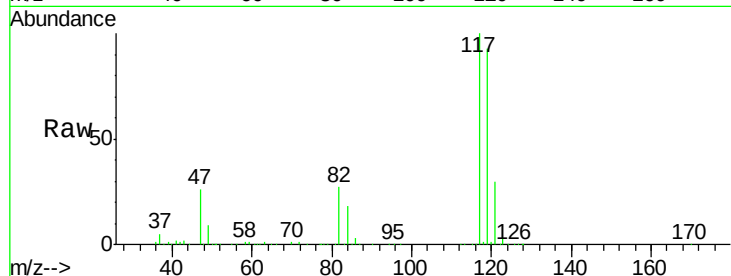
Tgt Ion: 117 Resp: 1312594

Ion Ratio Lower Upper

117 100

119 93.1 77.9 116.9

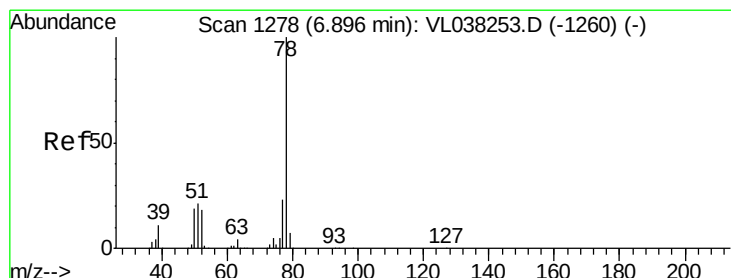
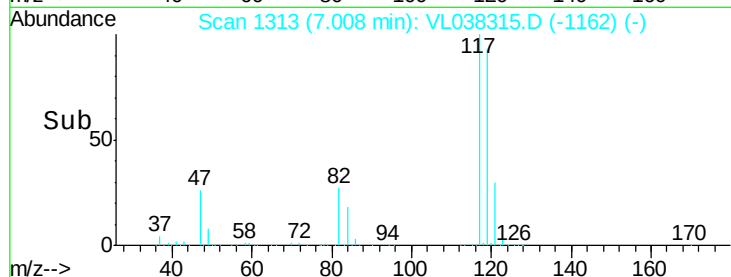
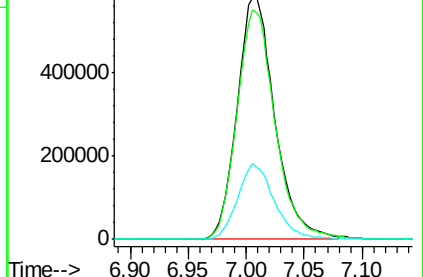
121 29.6 25.4 38.2



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: 9.285 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL038315.D

Acq: 28 Jan 2022 9:58

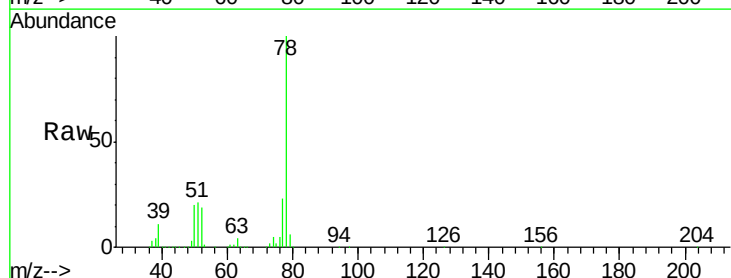
Tgt Ion: 78 Resp: 1667752

Ion Ratio Lower Upper

78 100

77 22.8 18.2 27.2

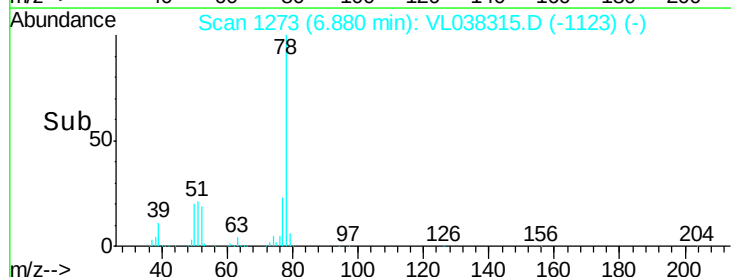
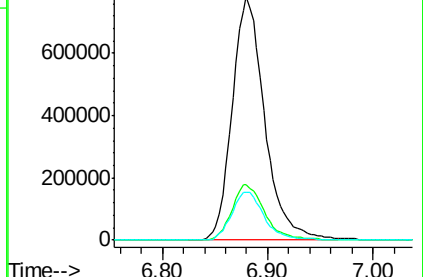
50 19.6 15.1 22.7

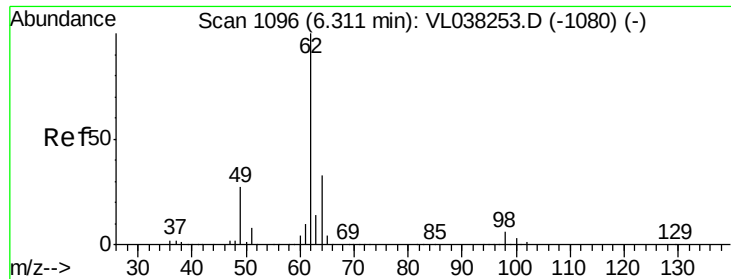


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

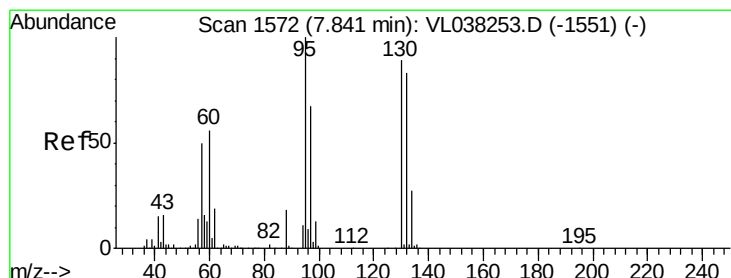
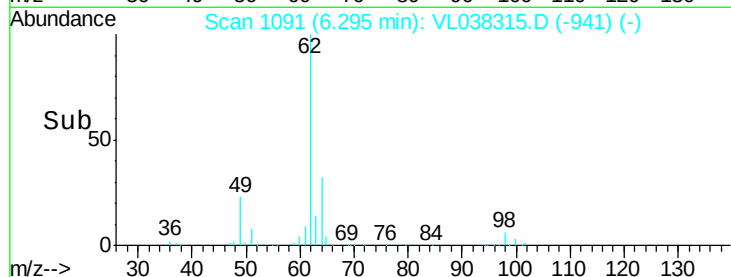
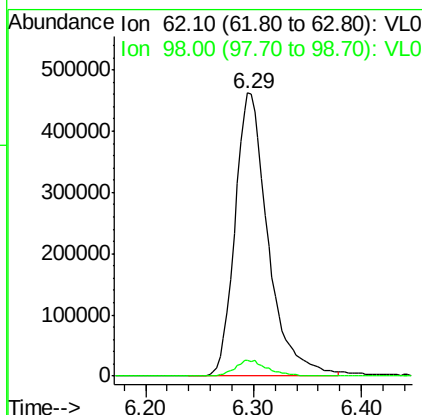
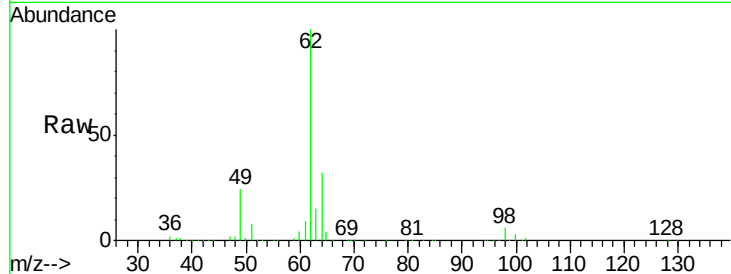
Ion 50.10 (49.80 to 50.80): VL0





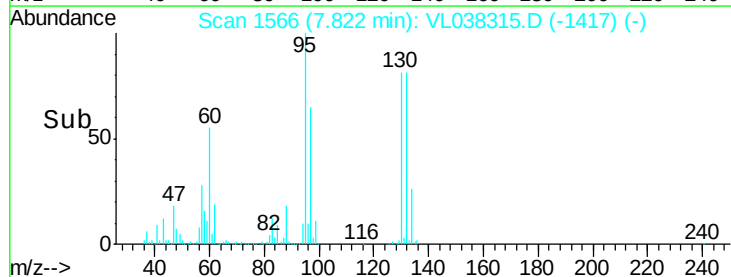
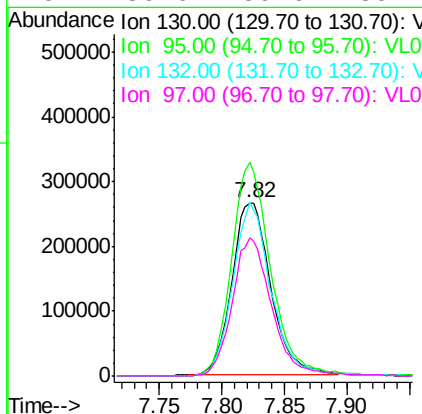
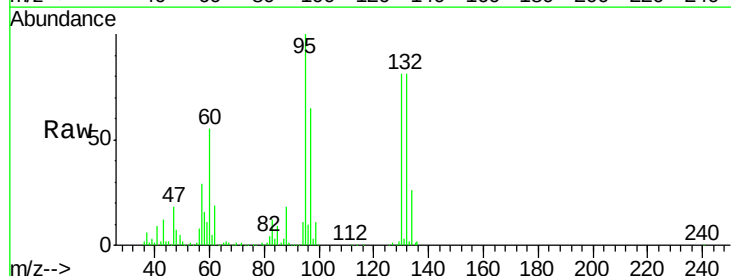
#37
 1,2-Dichloroethane
 Concen: 9.612 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

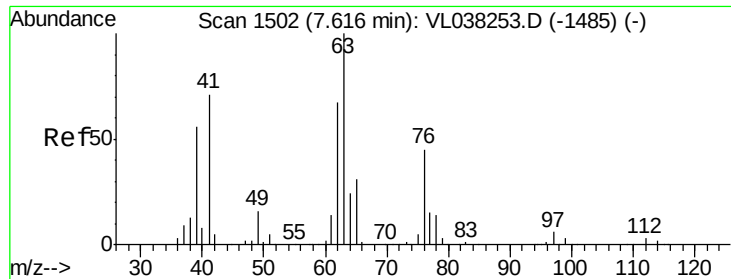
Tgt Ion: 62 Resp: 988851
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#38
 Trichloroethene
 Concen: 8.628 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

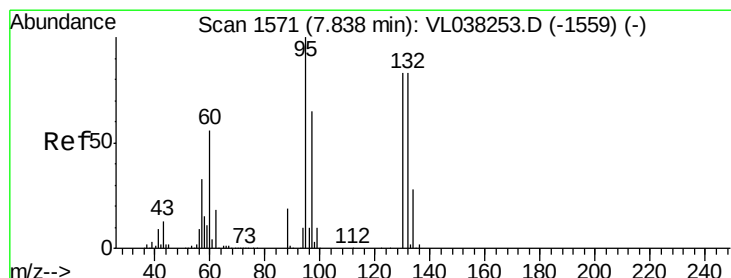
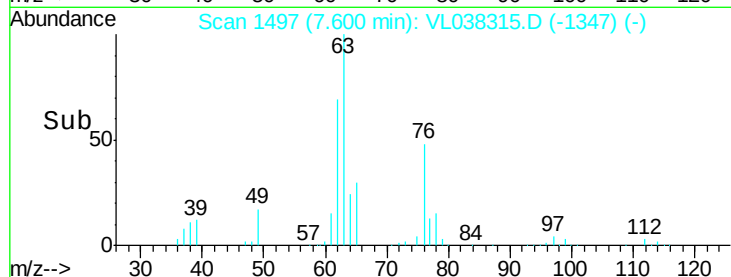
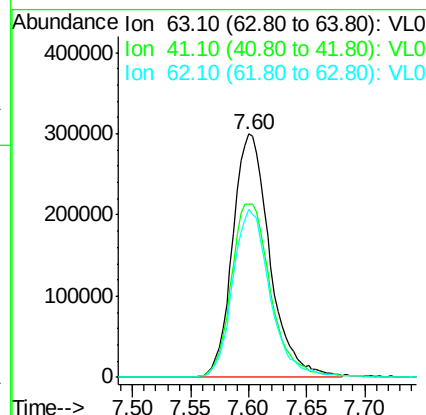
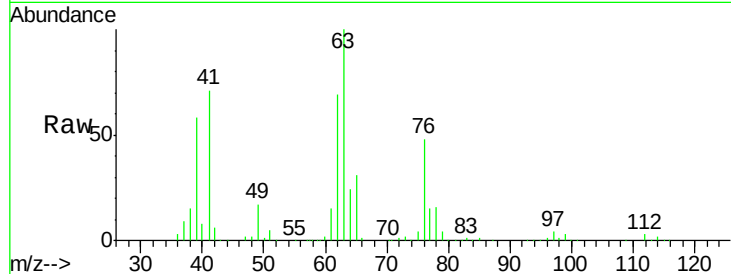
Tgt Ion: 130 Resp: 577273
 Ion Ratio Lower Upper
 130 100
 95 124.1 89.4 134.2
 132 100.8 74.6 111.8
 97 80.6 59.6 89.4





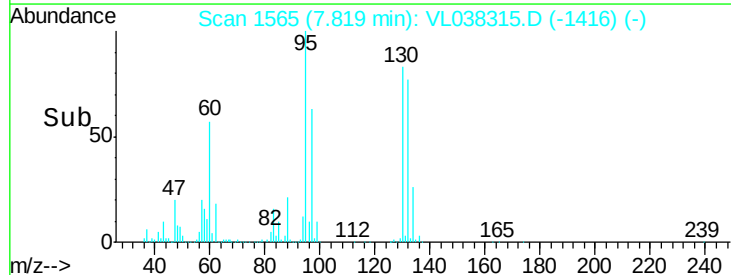
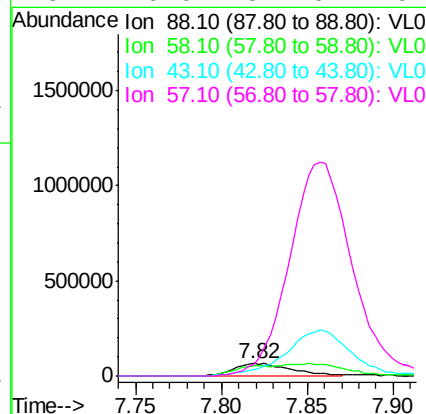
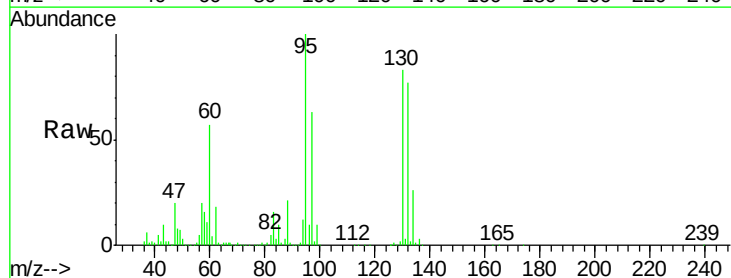
#39
 1,2-Dichloropropane
 Concen: 9.126 ppbv
 RT: 7.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

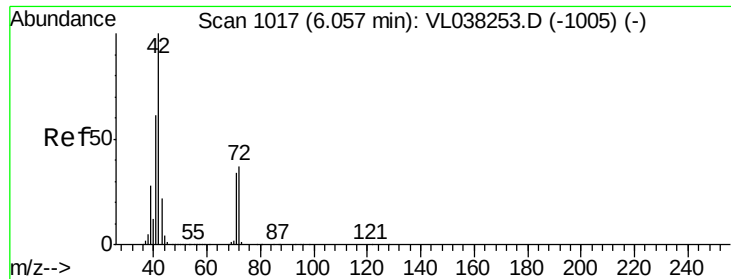
Tgt Ion: 63 Resp: 664541
 Ion Ratio Lower Upper
 63 100
 41 71.0 56.6 85.0
 62 68.9 53.9 80.9



#40
 1,4-Dioxane
 Concen: 8.564 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

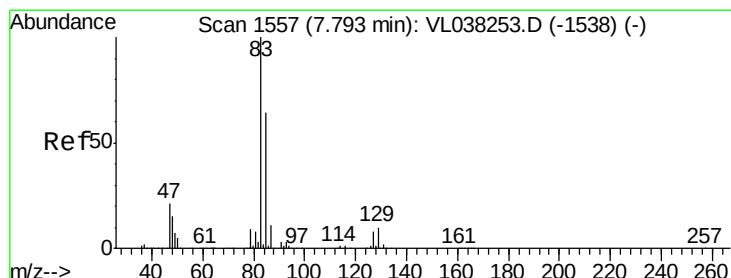
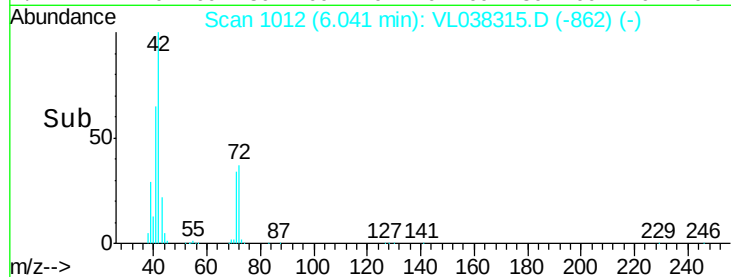
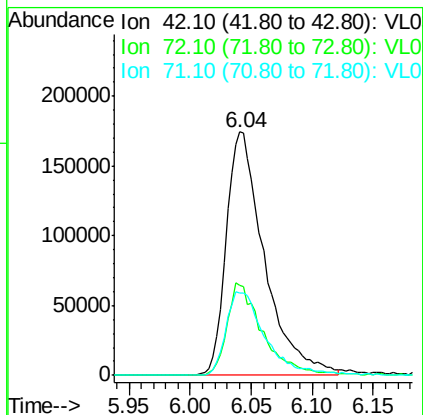
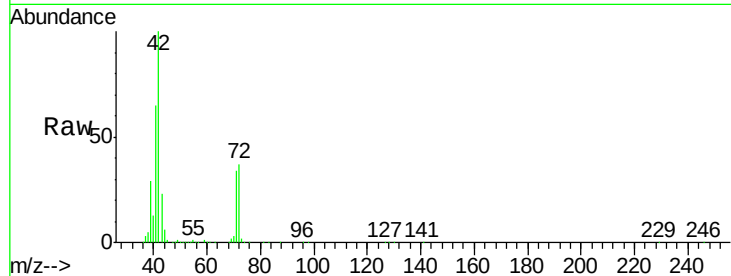
Tgt Ion: 88 Resp: 150101
 Ion Ratio Lower Upper
 88 100
 58 0.0 138.6 208.0#
 43 0.0 346.9 520.3#
 57 0.0 1527.9 2291.9#





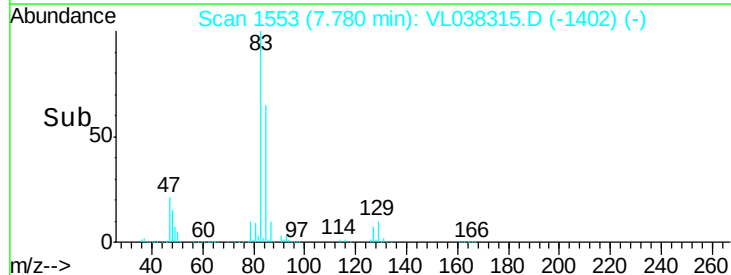
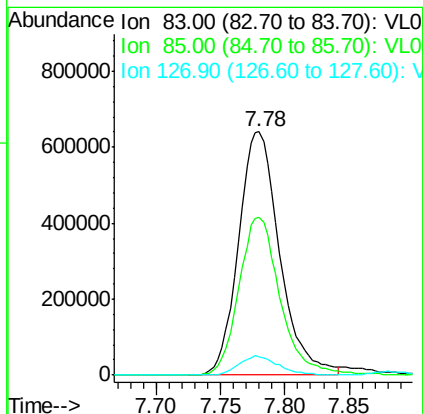
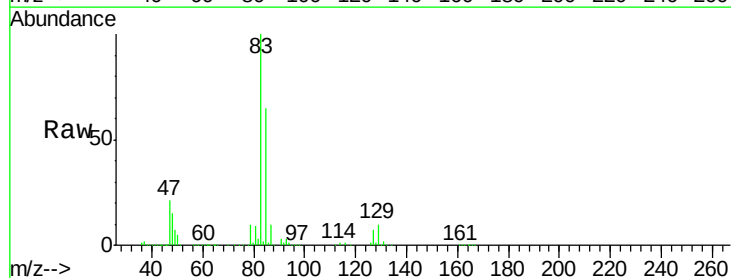
#41
Tetrahydrofuran
Concen: 8.495 ppbv
RT: 6.04
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 28 Jan 2022 9:58

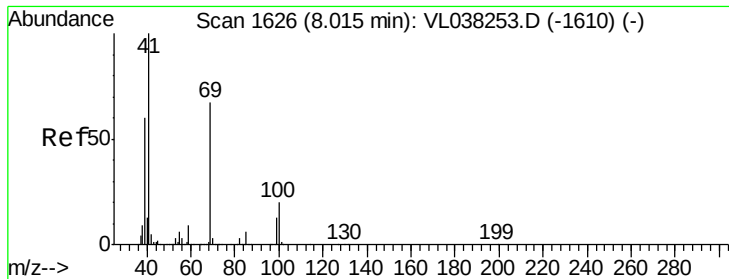
Tgt Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.7	44.5
71	36.0	29.4	44.2



#42
Bromodichloromethane
Concen: 9.330 ppbv
RT: 7.78 min Scan# 1553
Delta R.T.: -0.01 min
Lab File: VL038315.D
Acq: 28 Jan 2022 9:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.5	77.3
127	7.3	6.2	9.4





#43

Methyl Methacrylate

Concen: 10.093 ppbv

RT: 8.00

Instrument: MSVOA_1

Delta R.T.:

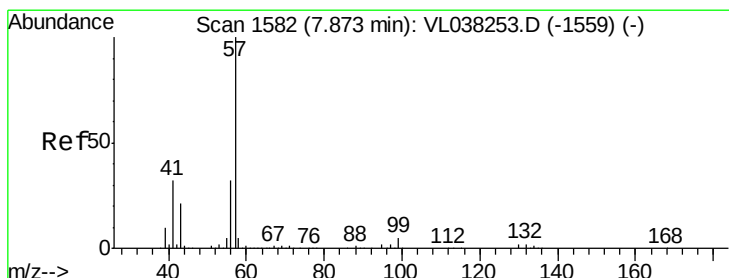
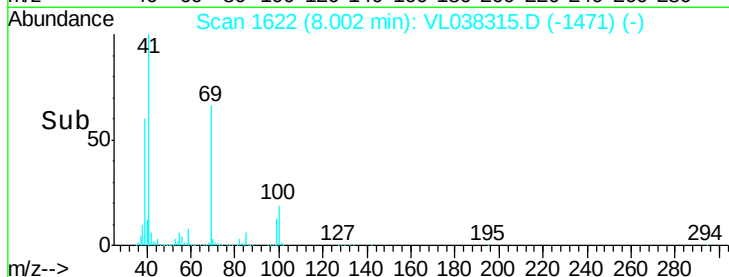
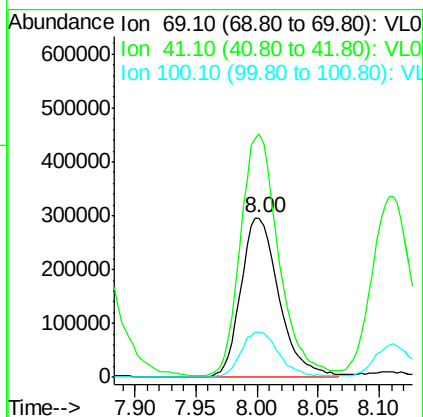
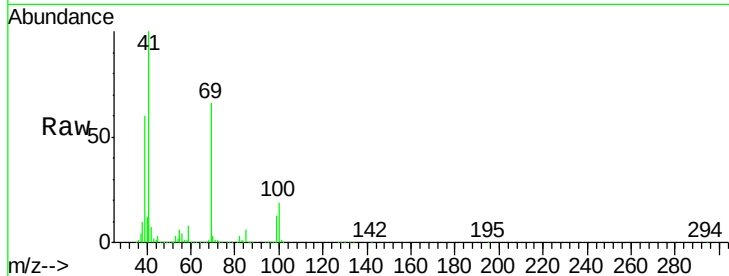
ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 28 Jan 2022 9:58

Tgt Ion: 69 Resp: 641242

Ion	Ratio	Lower	Upper
69	100		
41	153.4	120.9	181.3
100	28.5	23.4	35.0



#44

2,2,4-Trimethylpentane

Concen: 9.131 ppbv

RT: 7.86 min Scan# 1577

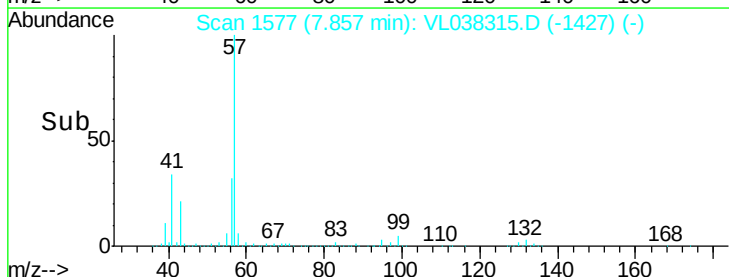
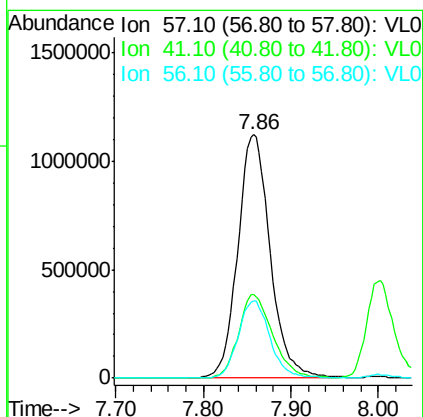
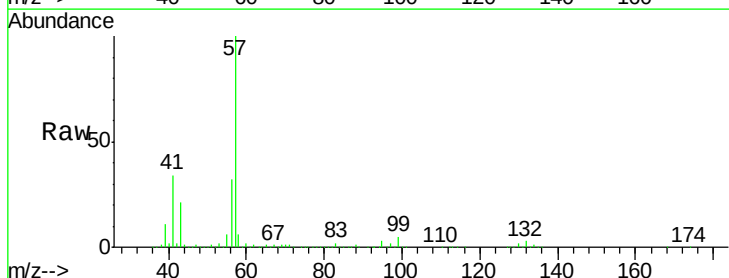
Delta R.T. -0.02 min

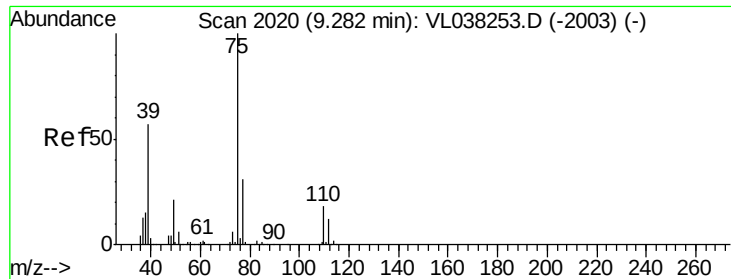
Lab File: VL038315.D

Acq: 28 Jan 2022 9:58

Tgt Ion: 57 Resp: 2890428

Ion	Ratio	Lower	Upper
57	100		
41	35.9	26.3	39.5
56	31.3	25.2	37.8





#45

t-1,3-Dichloropropene

Concen: 3.917 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

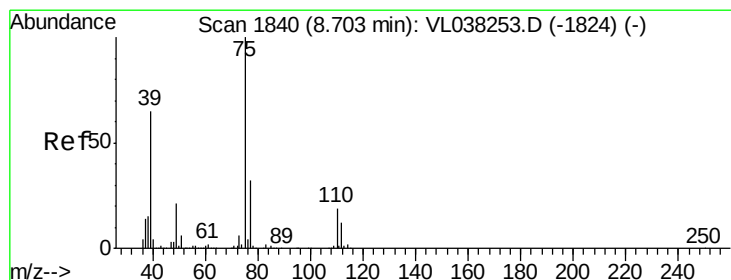
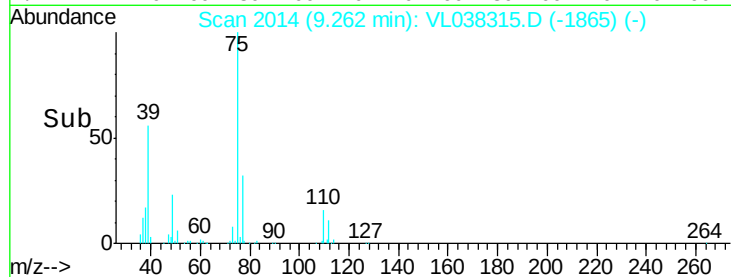
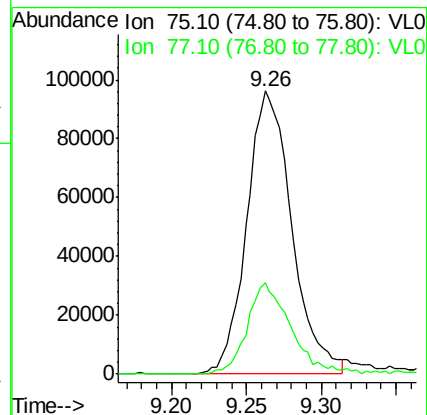
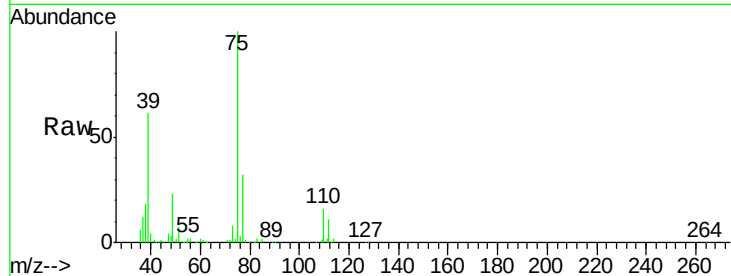
Acq: 28 Jan 2022 9:58

Tgt Ion: 75 Resp: 202214

Ion Ratio Lower Upper

75 100

77 32.4 24.9 37.3



#46

cis-1,3-Dichloropropene

Concen: 5.099 ppbv

RT: 8.69 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VL038315.D

Acq: 28 Jan 2022 9:58

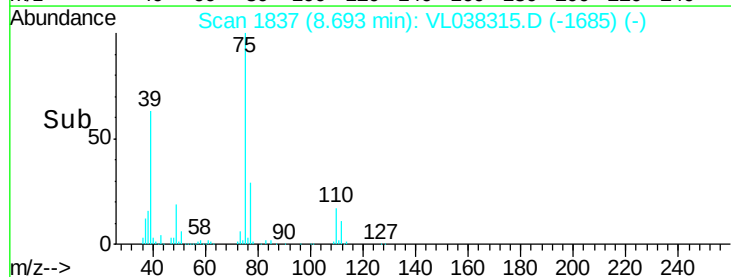
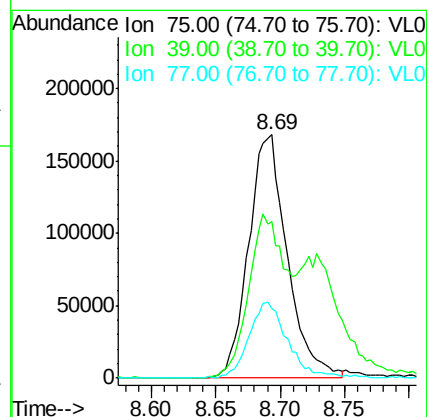
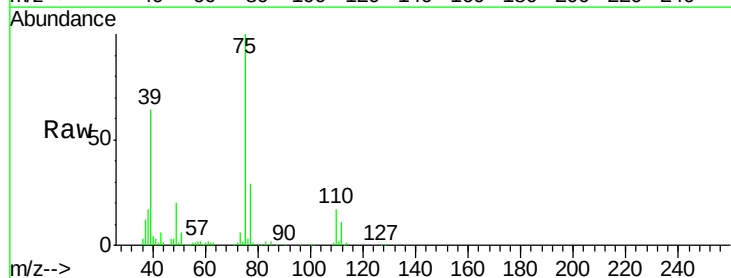
Tgt Ion: 75 Resp: 351183

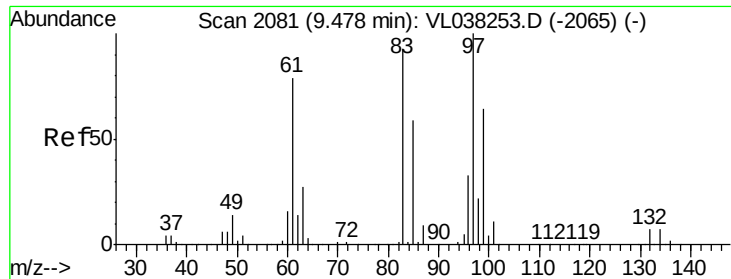
Ion Ratio Lower Upper

75 100

39 63.8 52.3 78.5

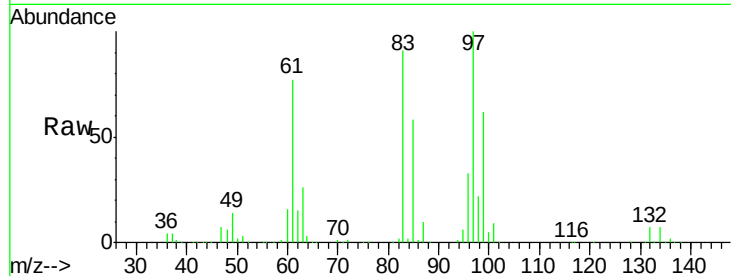
77 28.7 25.4 38.0



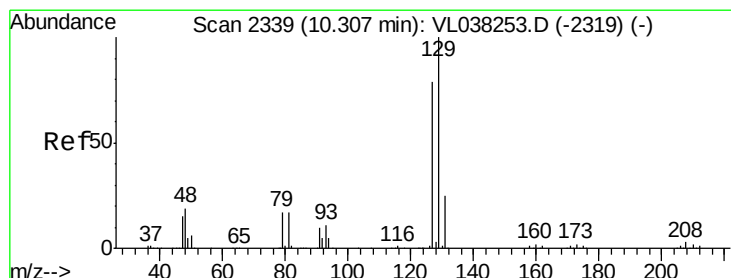
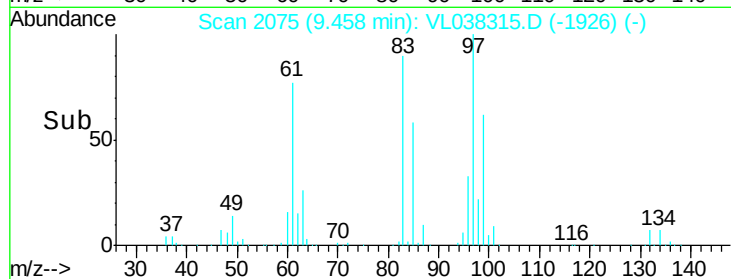
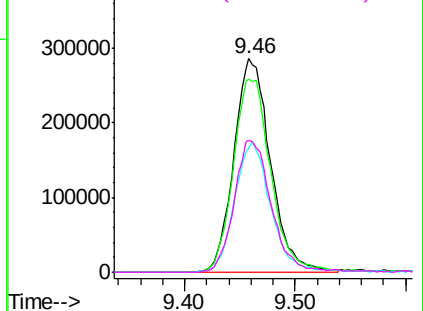


#47
 1,1,2-Trichloroethane
 Concen: 9.172 ppbv
 RT: 9.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

Tgt Ion:	97	Resp:	656303
Ion	Ratio	Lower	Upper
97	100		
83	90.6	74.3	111.5
85	58.1	47.5	71.3
99	61.8	51.1	76.7

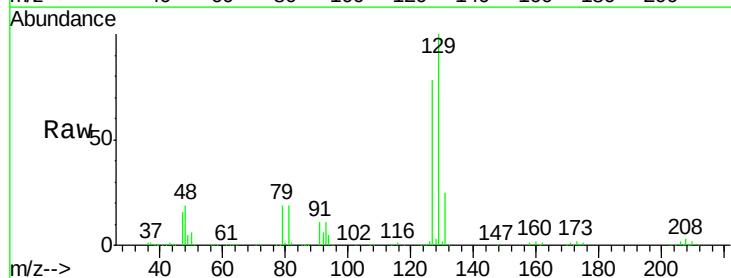


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

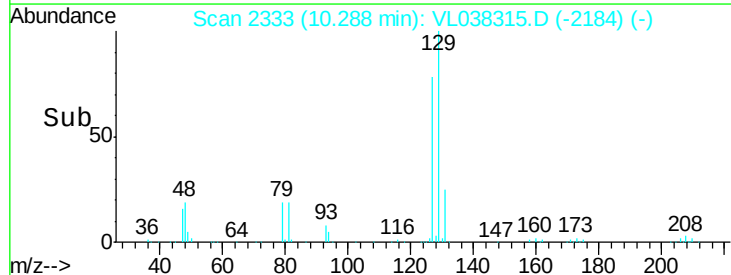
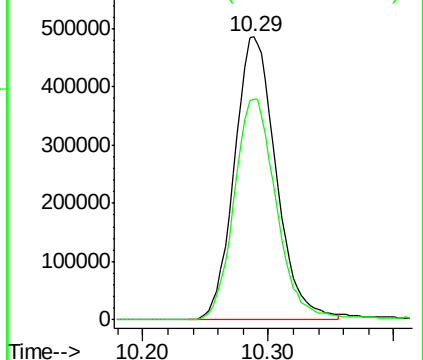


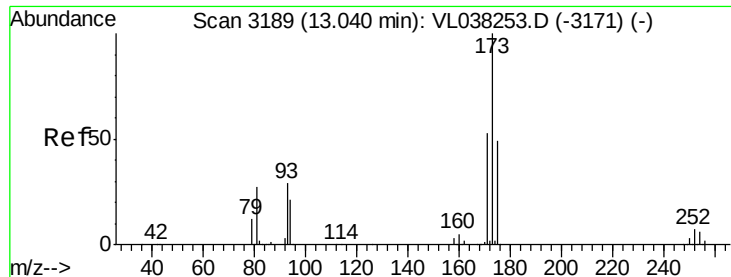
#48
 Dibromochloromethane
 Concen: 9.314 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.02 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

Tgt Ion:	129	Resp:	1121991
Ion	Ratio	Lower	Upper
129	100		
127	79.6	39.1	117.3



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





#49

Bromoform

Concen: 10.135 ppbv

RT: 13.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Jan 2022 9:58

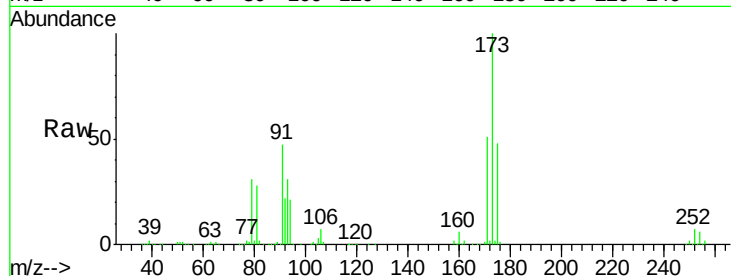
Tgt Ion: 173 Resp: 880152

Ion Ratio Lower Upper

173 100

175 48.9 39.7 59.5

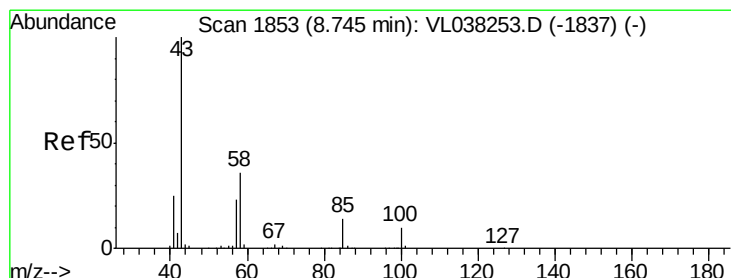
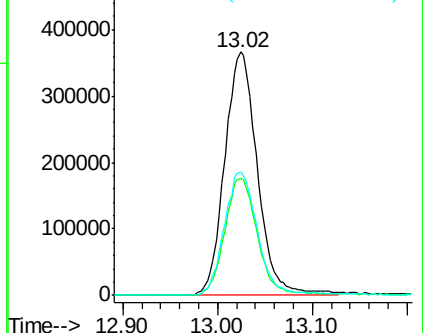
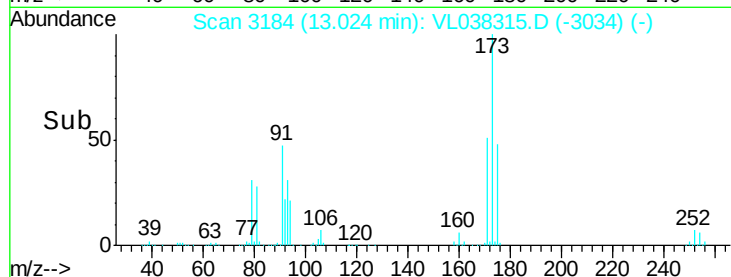
171 52.5 42.1 63.1



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: 10.324 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL038315.D

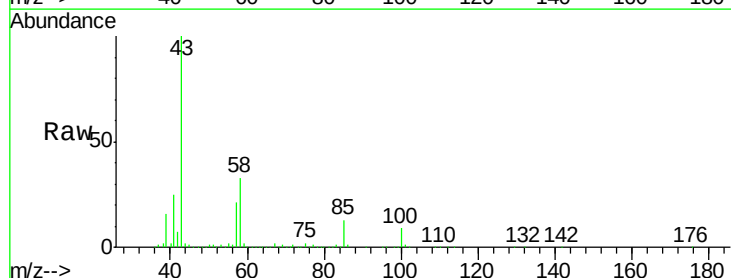
Acq: 28 Jan 2022 9:58

Tgt Ion: 43 Resp: 1222963

Ion Ratio Lower Upper

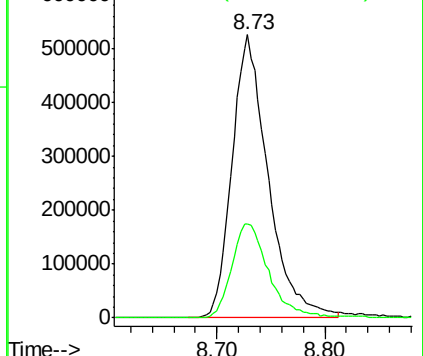
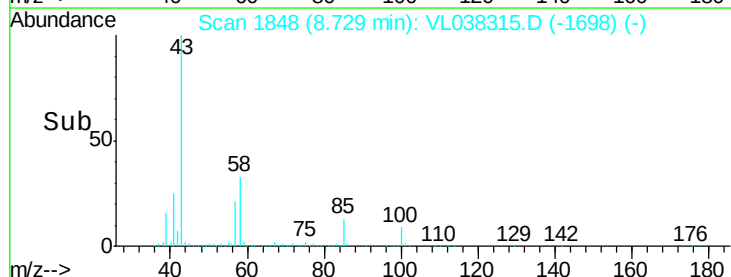
43 100

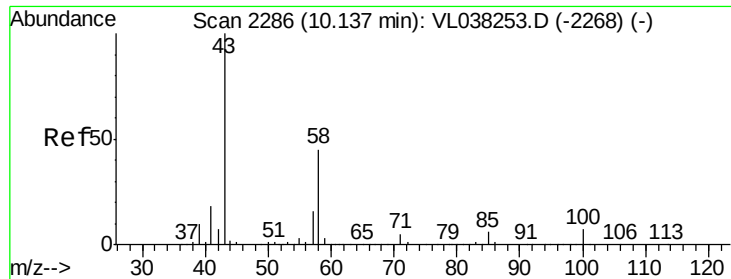
58 34.8 28.2 42.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.780 ppbv

RT: 10.12

Delta R.T. MSVOA_L

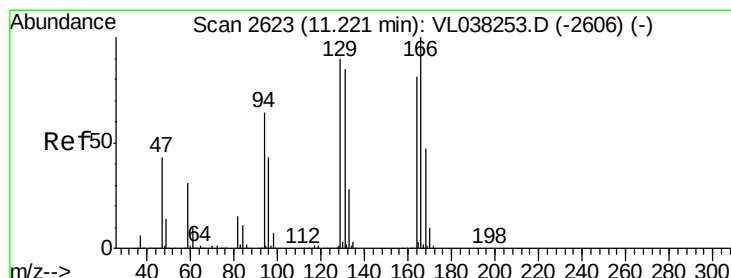
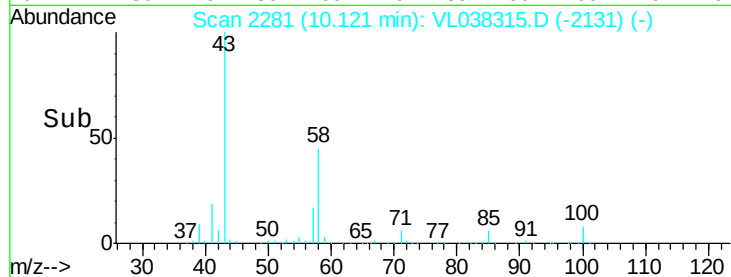
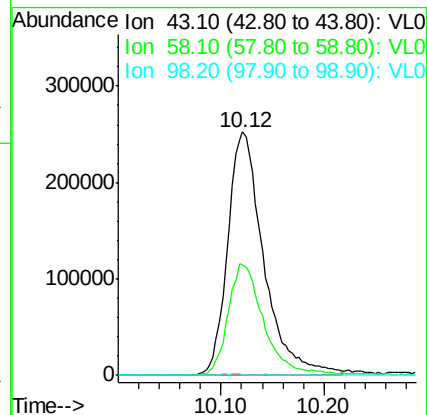
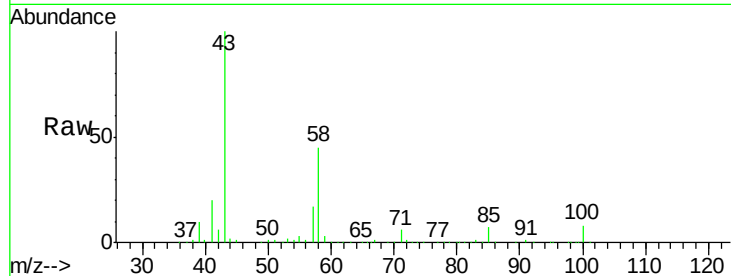
Lab File: ClientSampleId:

Acq: 28 Jan 2022 9:58

Tgt Ion: 43 Resp: 614575

Ion Ratio Lower Upper

43	100		
58	45.9	37.0	55.4
98	0.4	0.2	0.2#



#52

Tetrachloroethene

Concen: 8.187 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.01 min

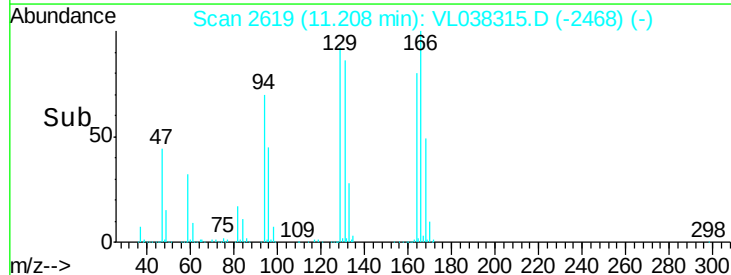
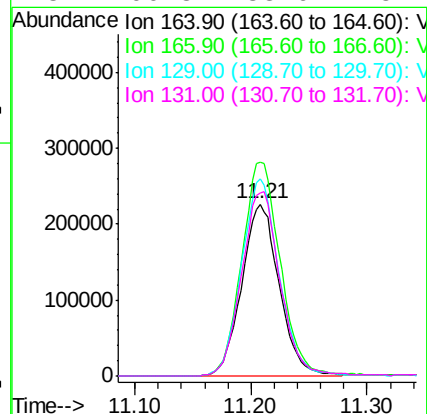
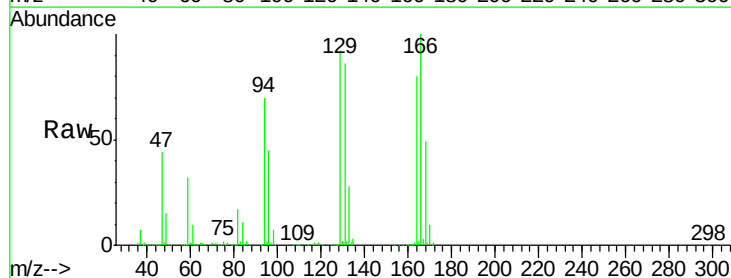
Lab File: VL038315.D

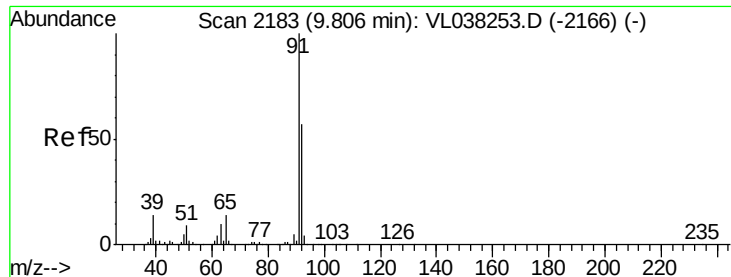
Acq: 28 Jan 2022 9:58

Tgt Ion: 164 Resp: 506802

Ion Ratio Lower Upper

164	100		
166	124.5	98.8	148.2
129	115.0	89.2	133.8
131	106.8	83.6	125.4





#53

Toluene

Concen: 9.216 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

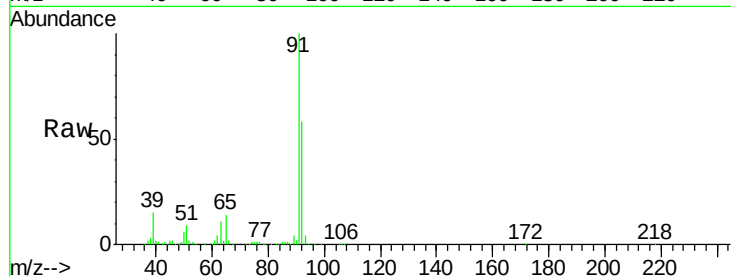
Acq: 28 Jan 2022 9:58 VSTDCCC010EC

Tgt Ion: 91 Resp: 1832270

Ion Ratio Lower Upper

91 100

92 59.6 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

800000

600000

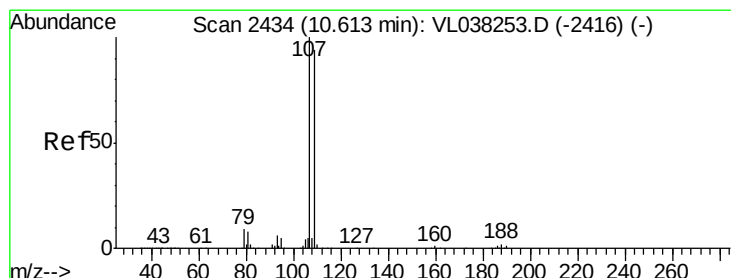
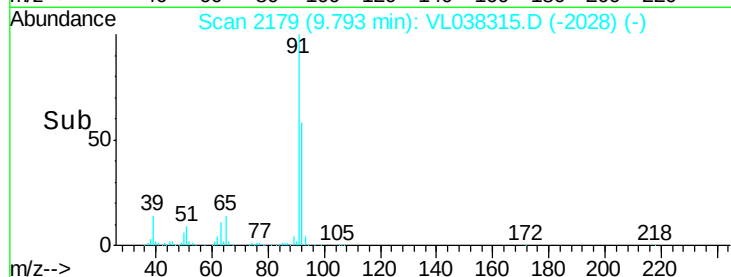
400000

200000

0

9.70 9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 8.636 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.02 min

Lab File: VL038315.D

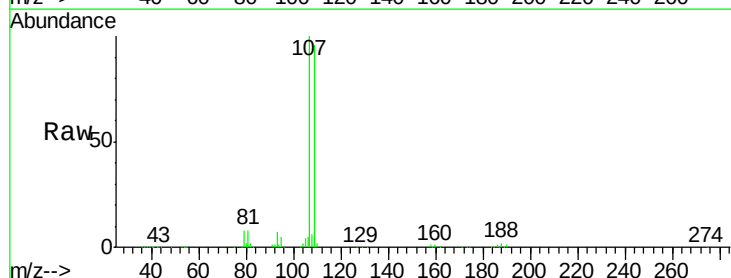
Acq: 28 Jan 2022 9:58

Tgt Ion: 107 Resp: 878486

Ion Ratio Lower Upper

107 100

109 95.8 75.4 113.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

400000

300000

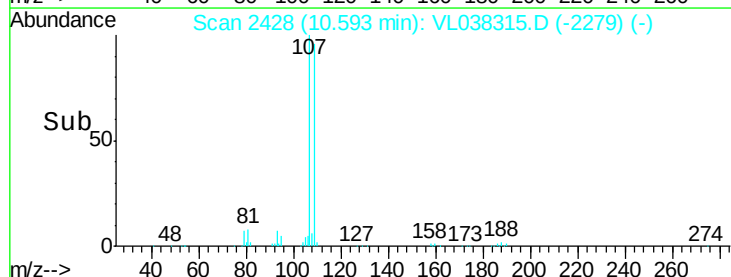
200000

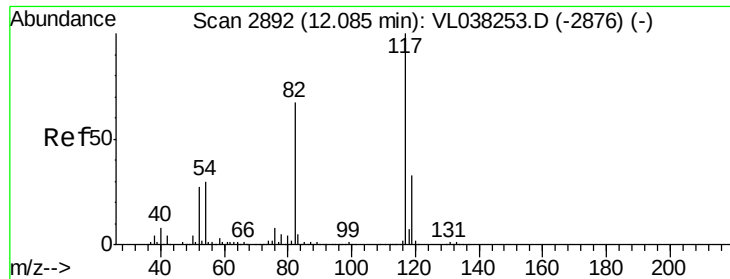
100000

0

10.50 10.60

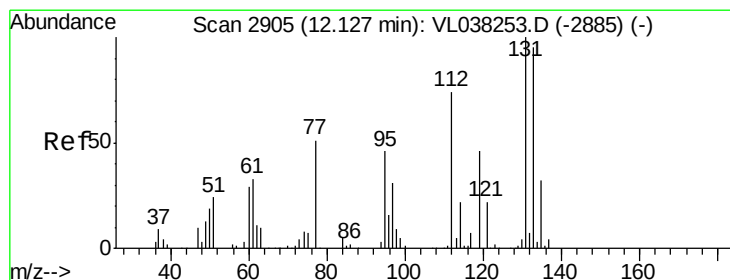
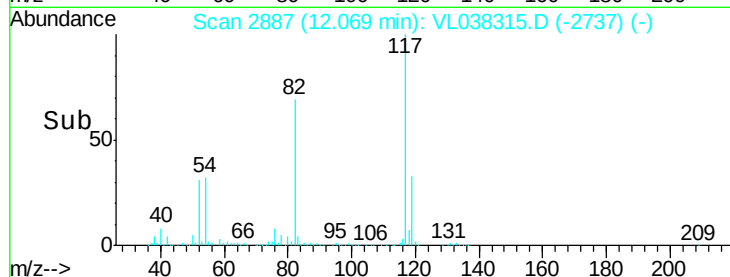
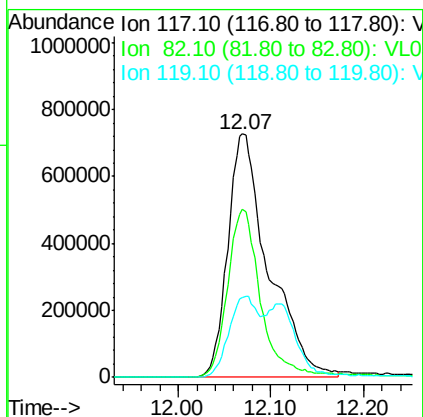
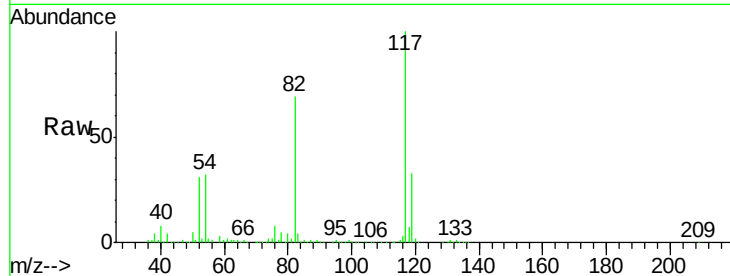
Time-->





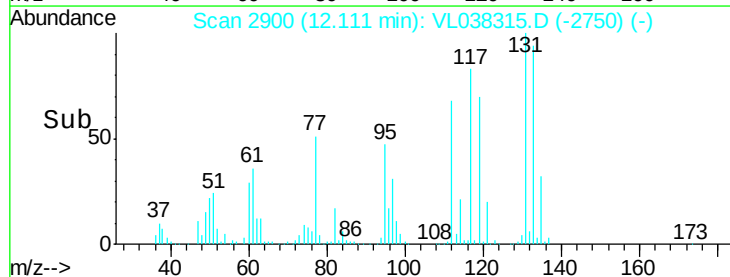
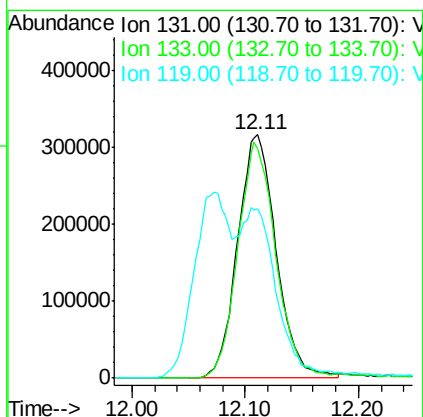
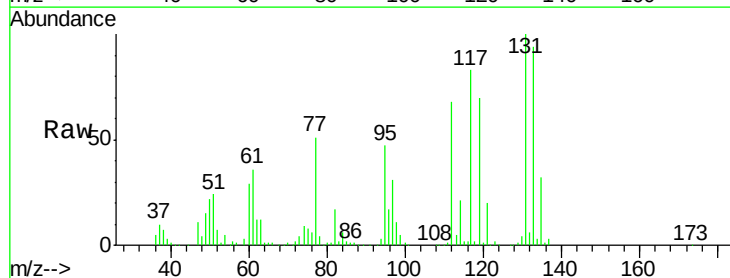
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 28 Jan 2022 9:58

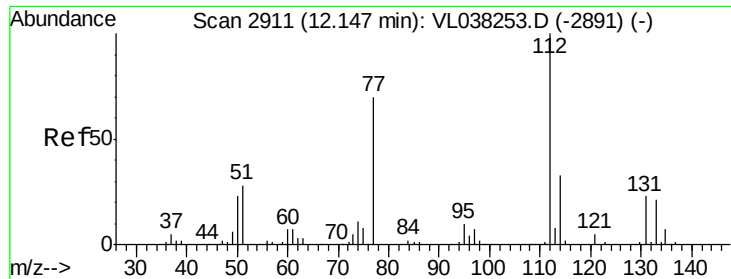
Tgt Ion:117 Resp: 2226216
Ion Ratio Lower Upper
117 100
82 57.6 54.4 81.6
119 23.5 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.708 ppbv
RT: 12.11 min Scan# 2900
Delta R.T.: -0.02 min
Lab File: VL038315.D
Acq: 28 Jan 2022 9:58

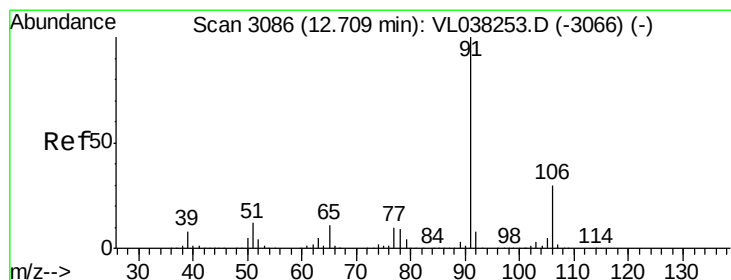
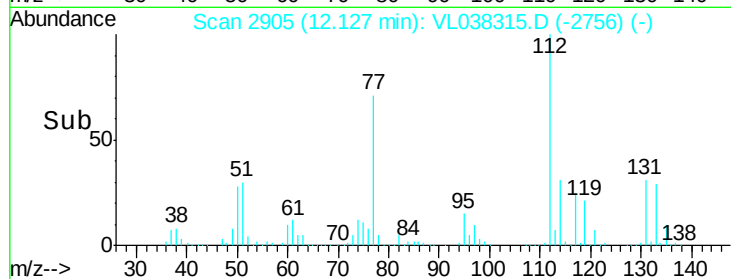
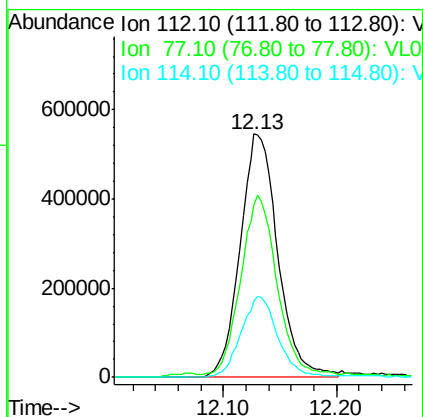
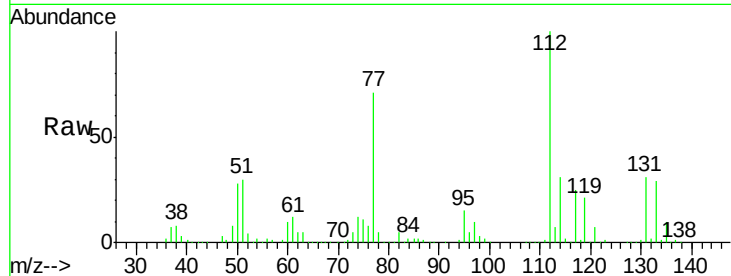
Tgt Ion:131 Resp: 751061
Ion Ratio Lower Upper
131 100
133 98.4 76.0 114.0
119 63.3 53.0 79.4





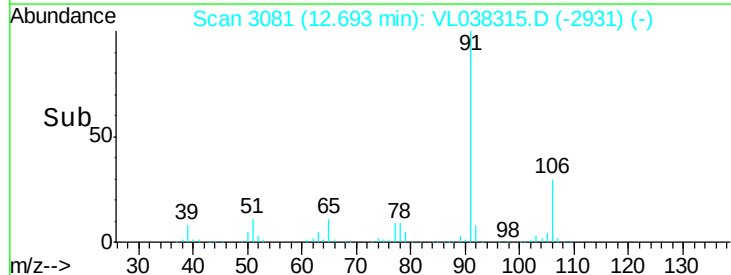
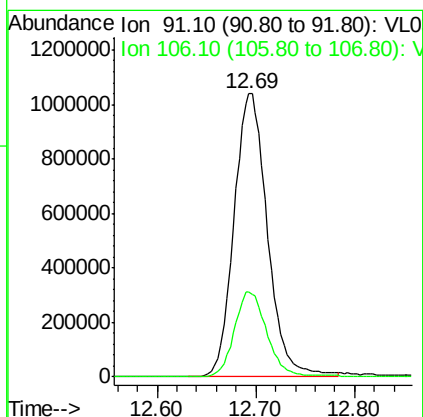
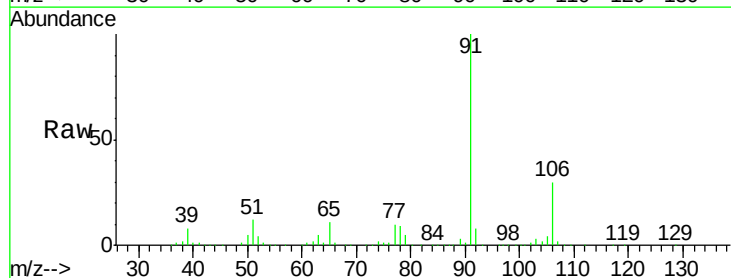
#57
Chlorobenzene
Concen: 7.117 ppbv
RT: 12.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 28 Jan 2022 9:58

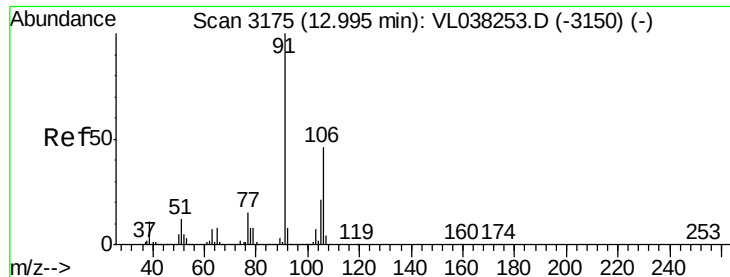
Tgt Ion: 112 Resp: 1267808
Ion Ratio Lower Upper
112 100
77 69.4 55.9 83.9
114 31.4 29.3 35.9



#58
Ethyl Benzene
Concen: 7.486 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VL038315.D
Acq: 28 Jan 2022 9:58

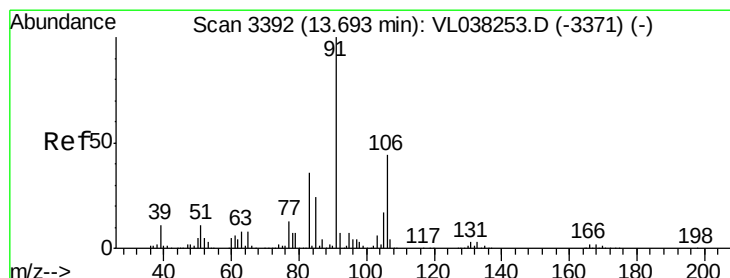
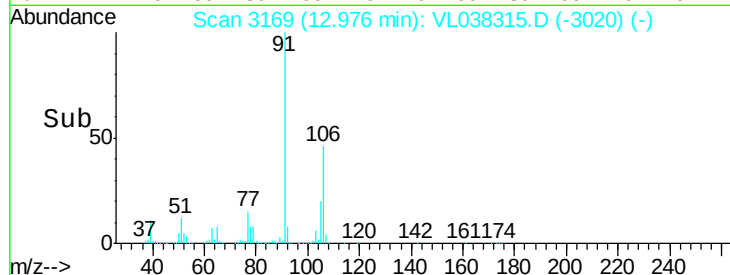
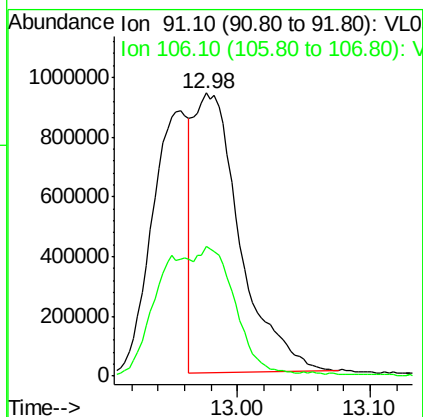
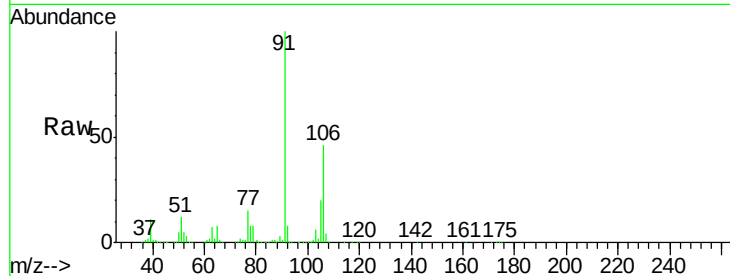
Tgt Ion: 91 Resp: 2449424
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1





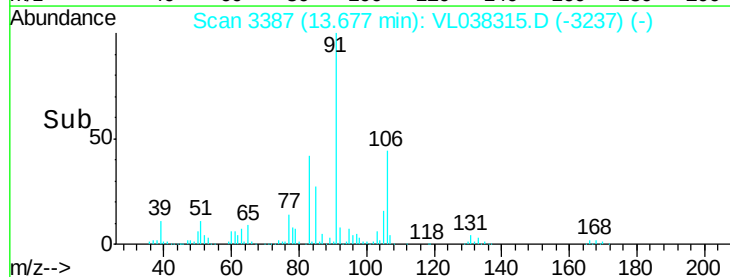
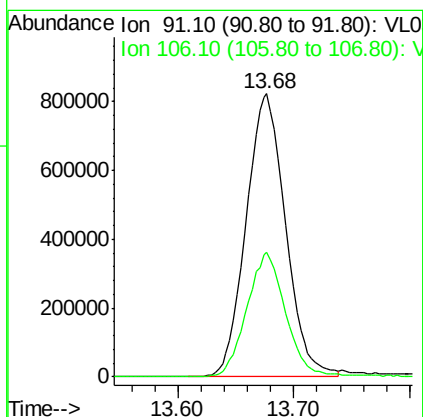
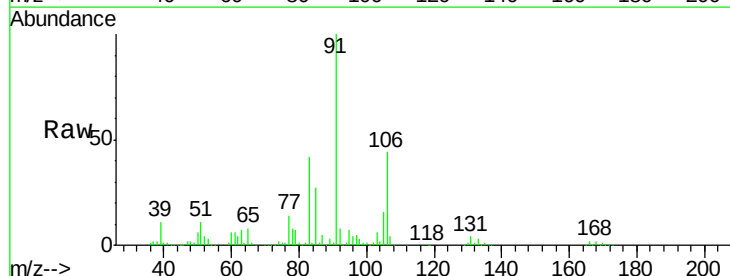
#59
m/p-Xylene
Concen: 8.158 ppbv
RT: 12.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 28 Jan 2022 9:58

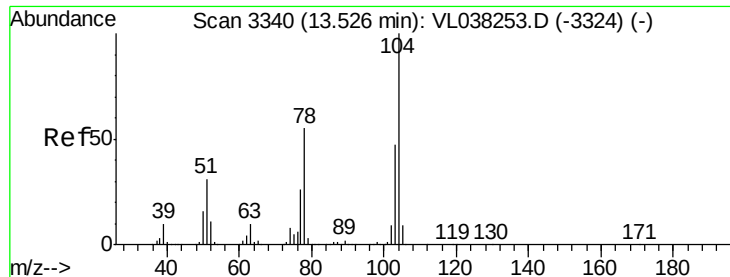
Tgt Ion: 91 Resp: 2277098
Ion Ratio Lower Upper
91 100
106 76.7 34.8 52.2#



#60
o-Xylene
Concen: 7.493 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.02 min
Lab File: VL038315.D
Acq: 28 Jan 2022 9:58

Tgt Ion: 91 Resp: 1945245
Ion Ratio Lower Upper
91 100
106 43.6 22.2 66.6





#61

Styrene

Concen: 7.621 ppbv

RT: 13.51

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 9:58

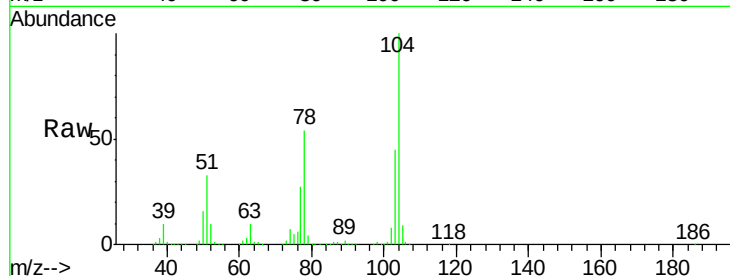
Tgt Ion:104 Resp: 923423

Ion Ratio Lower Upper

104 100

78 56.4 44.2 66.4

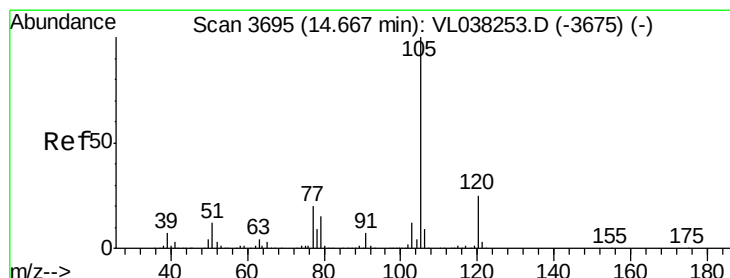
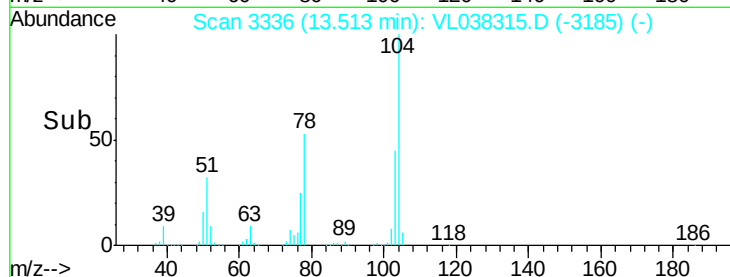
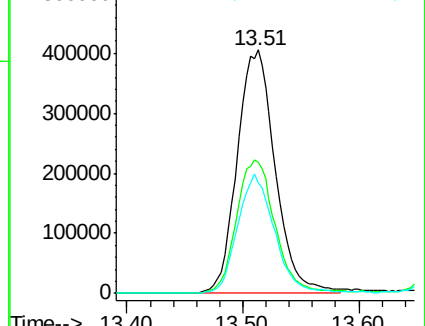
103 47.8 38.2 57.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.769 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.02 min

Lab File: VL038315.D

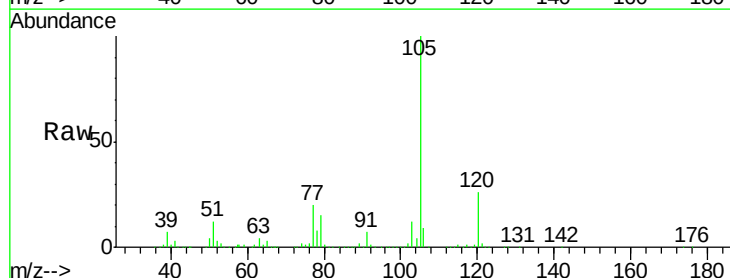
Acq: 28 Jan 2022 9:58

Tgt Ion:105 Resp: 2688983

Ion Ratio Lower Upper

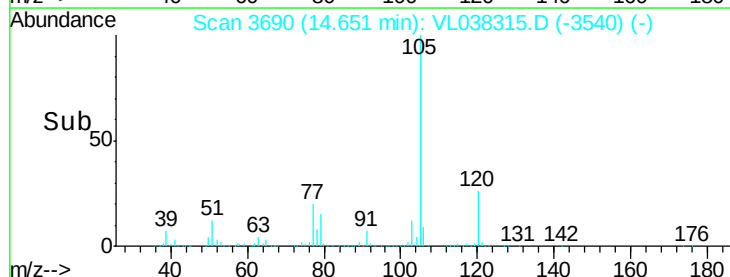
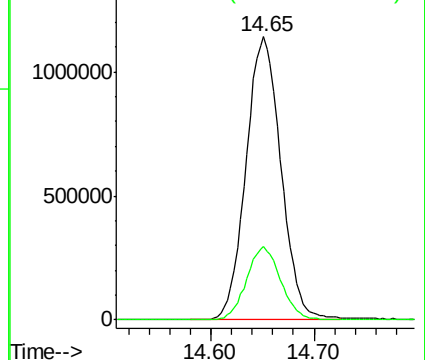
105 100

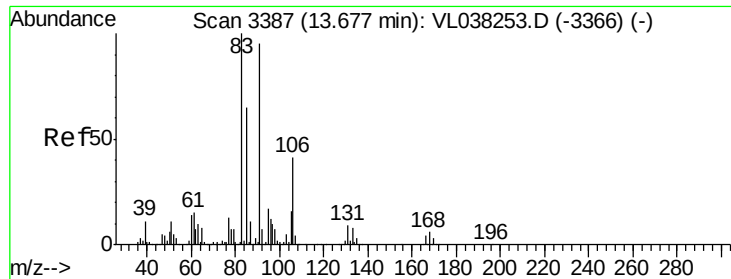
120 25.5 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.718 ppbv

RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 9:58

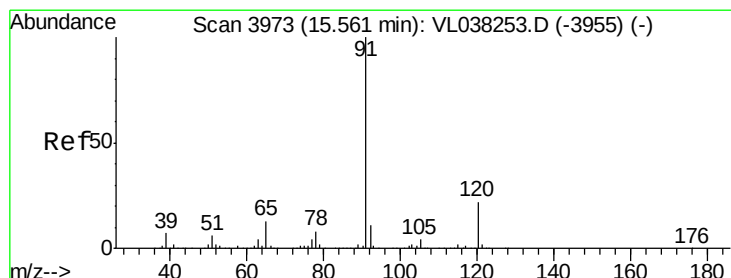
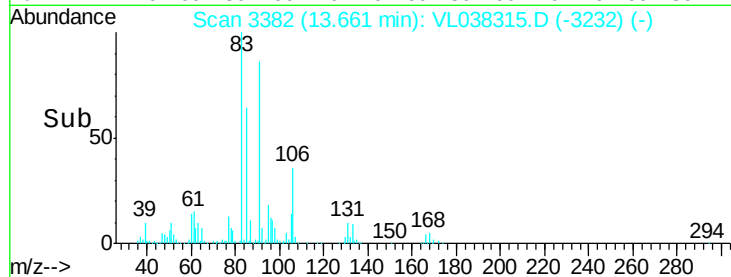
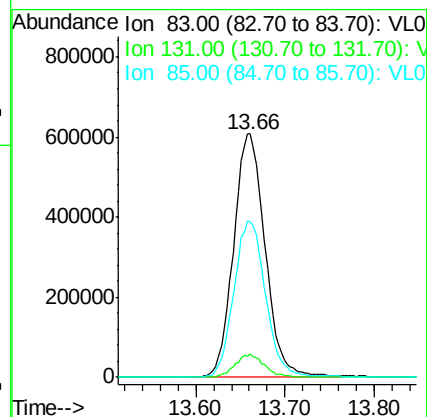
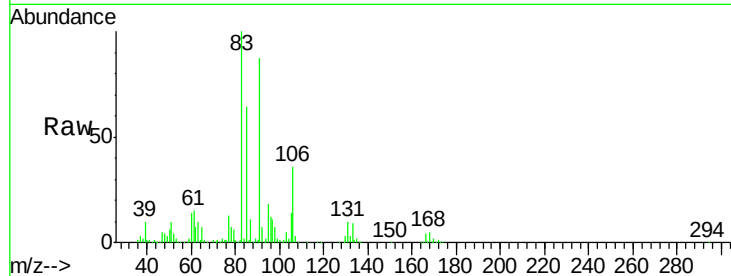
Tgt Ion: 83 Resp: 1482699

Ion Ratio Lower Upper

83 100

131 8.8 4.5 13.5

85 65.6 32.8 98.4



#64

n-propylbenzene

Concen: 7.952 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. -0.01 min

Lab File: VL038315.D

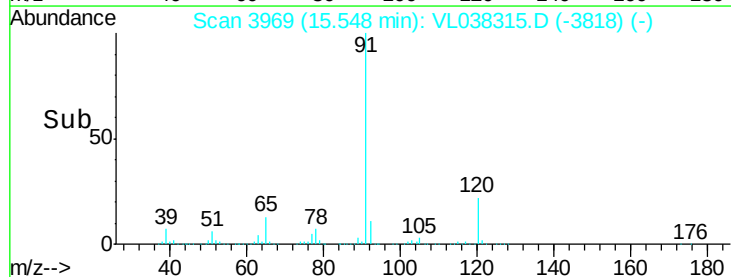
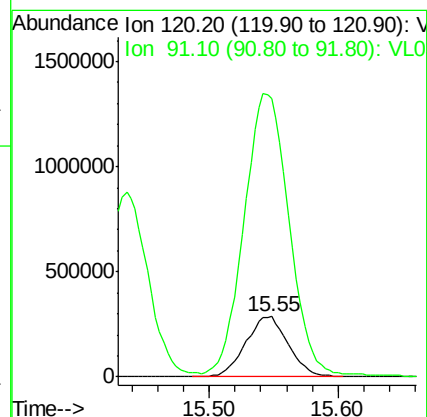
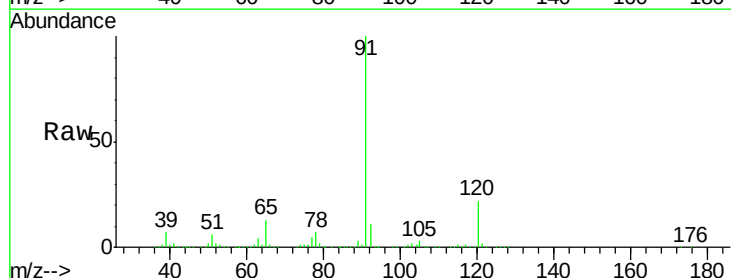
Acq: 28 Jan 2022 9:58

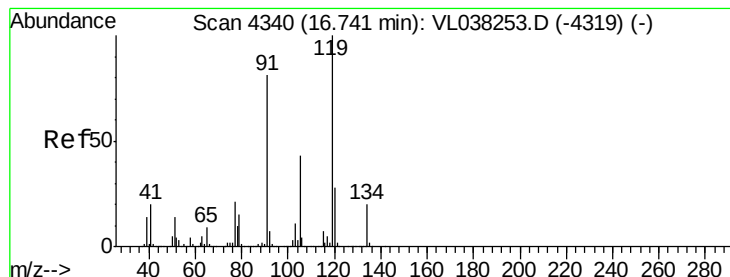
Tgt Ion: 120 Resp: 662036

Ion Ratio Lower Upper

120 100

91 498.0 390.8 586.2





#65

tert-Butylbenzene

Concen: 8.067 ppbv

RT: 16.73

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Jan 2022 9:58

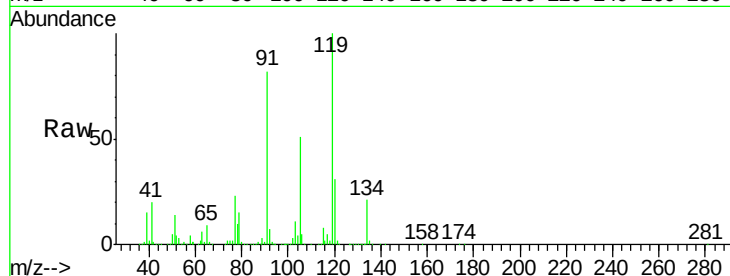
Tgt Ion: 119 Resp: 2299630

Ion Ratio Lower Upper

119 100

91 84.2 66.6 100.0

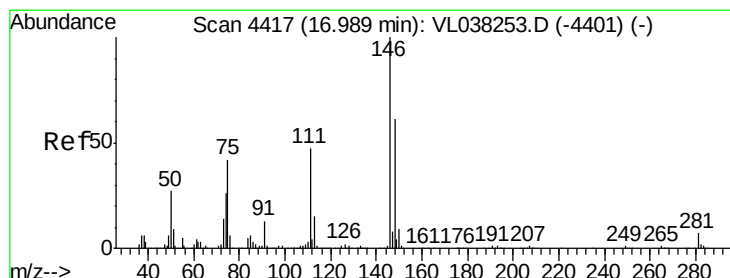
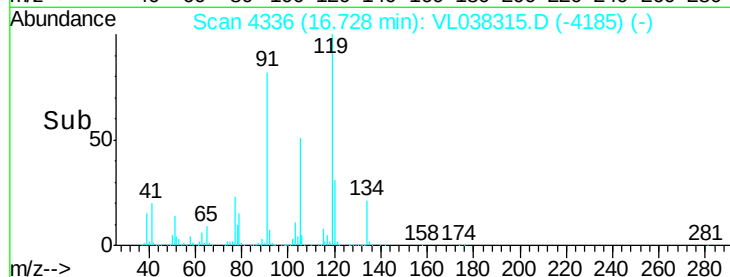
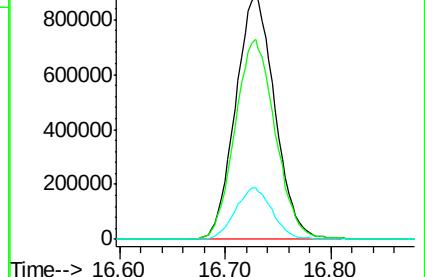
134 20.0 15.8 23.6



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: 1.591 ppbv

RT: 16.97 min Scan# 4410

Delta R.T. -0.02 min

Lab File: VL038315.D

Acq: 28 Jan 2022 9:58

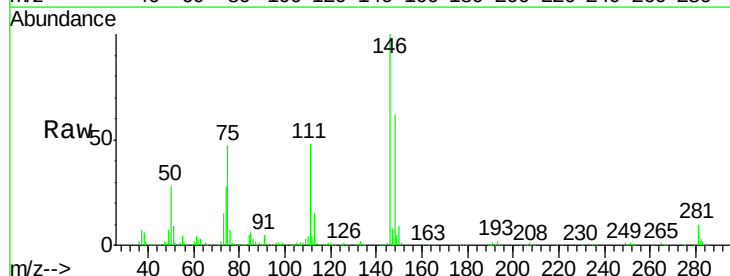
Tgt Ion: 91 Resp: 20605

Ion Ratio Lower Upper

91 100

126 13.8 12.6 18.8

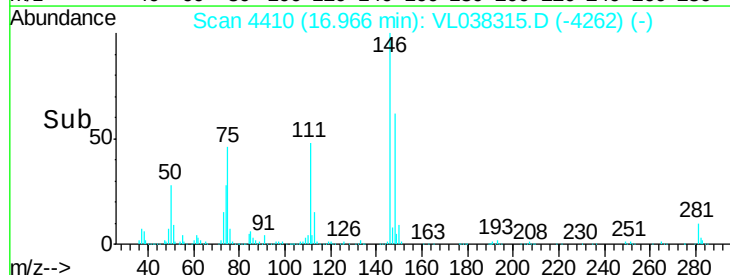
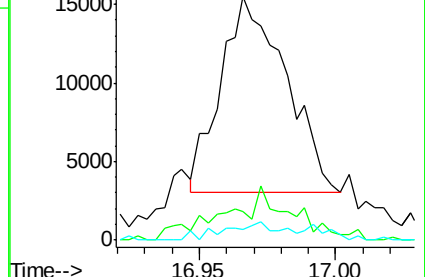
128 11.4 4.3 6.5#

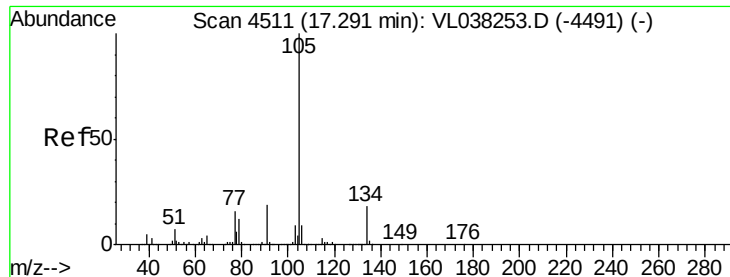


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

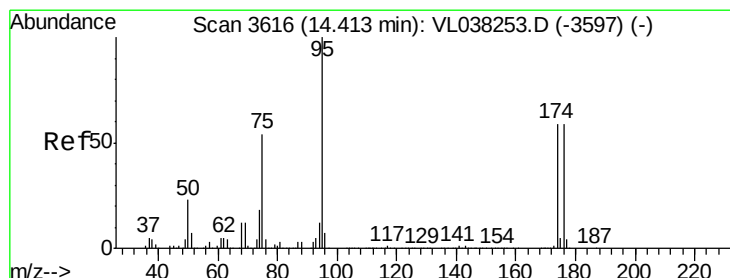
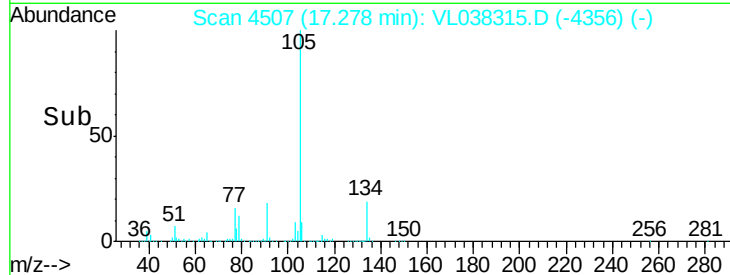
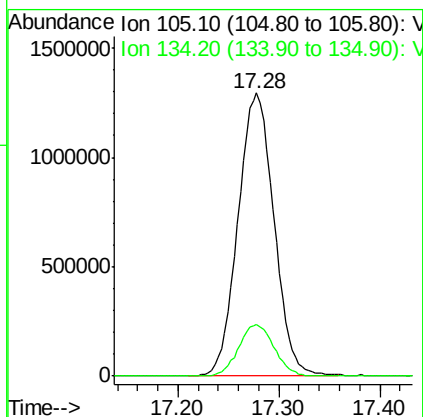
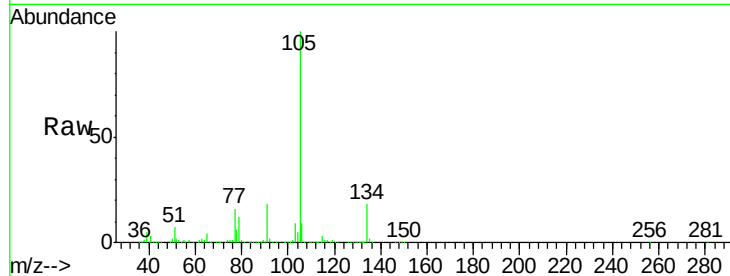
Ion 128.10 (127.80 to 128.80): V





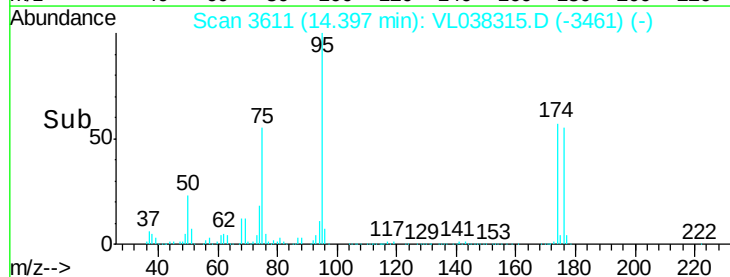
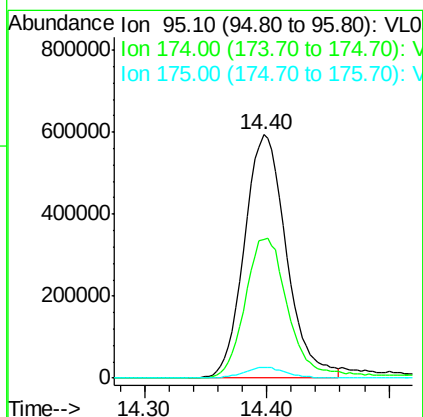
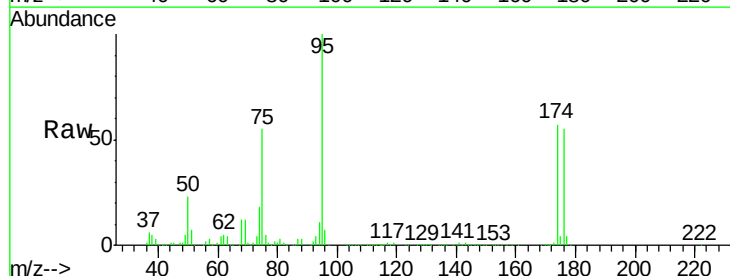
#67
 sec-Butylbenzene
 Concen: 8.073 ppbv
 RT: 17.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

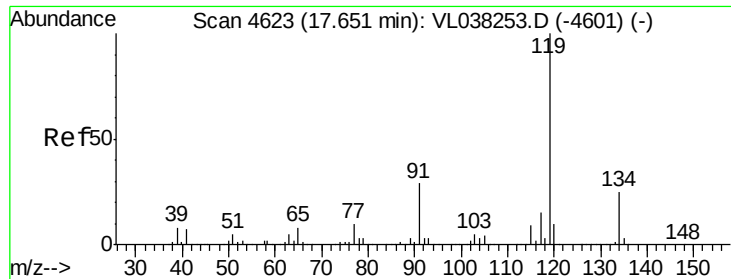
Tgt Ion: 105 Resp: 3201307
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.372 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.02 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

Tgt Ion: 95 Resp: 1414540
 Ion Ratio Lower Upper
 95 100
 174 61.1 48.3 72.5
 175 4.6 3.5 5.3

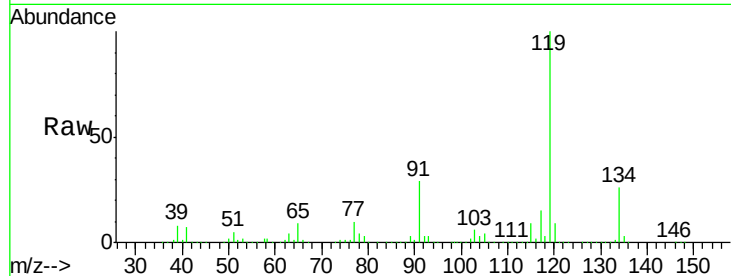




#69
 p-Isopropyltoluene
 Concen: 8.189 ppbv
 RT: 17.64 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

Tgt Ion: 119 Resp: 2485086

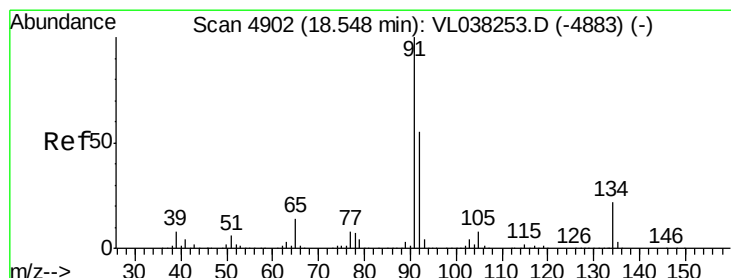
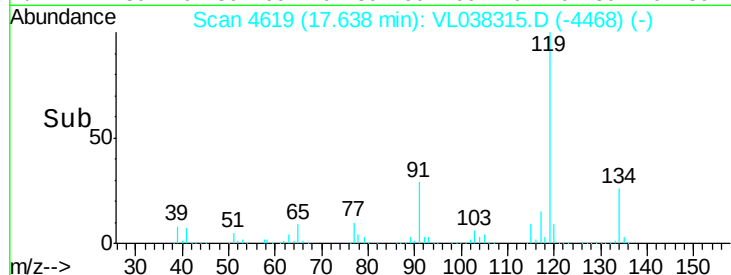
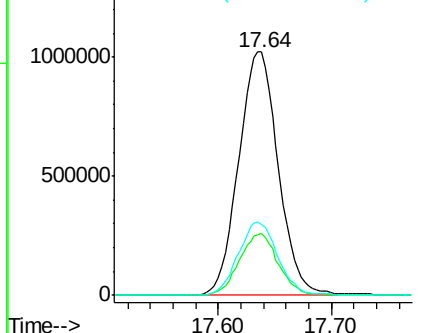
Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	30.3	23.2	34.8



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

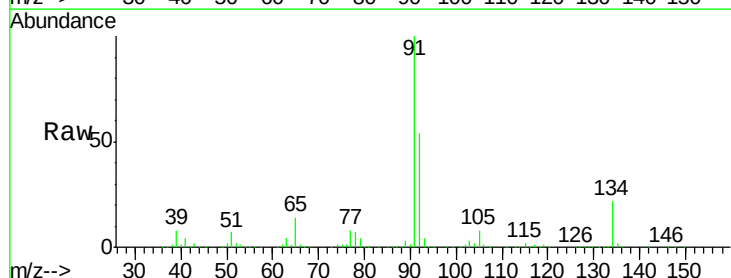
Ion 91.10 (90.80 to 91.80): VL0



#70
 n-Butylbenzene
 Concen: 8.401 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T.: -0.02 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

Tgt Ion: 91 Resp: 2496897

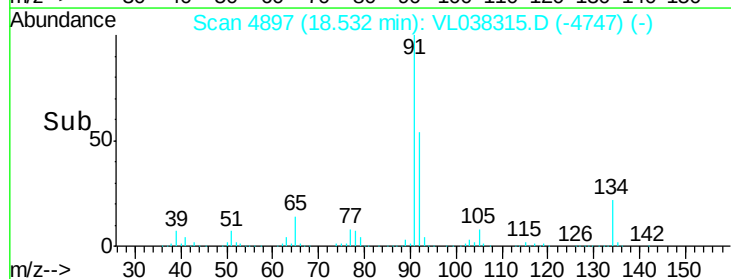
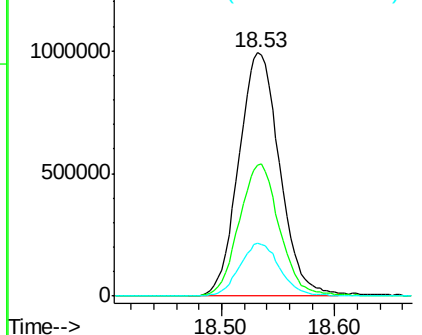
Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.4	65.0
134	21.6	17.3	25.9

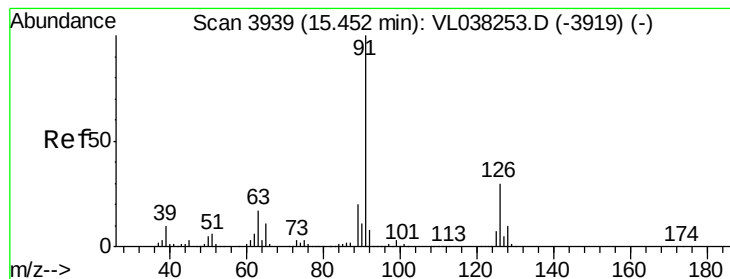


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

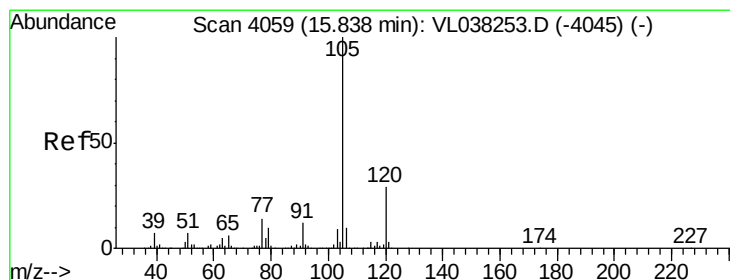
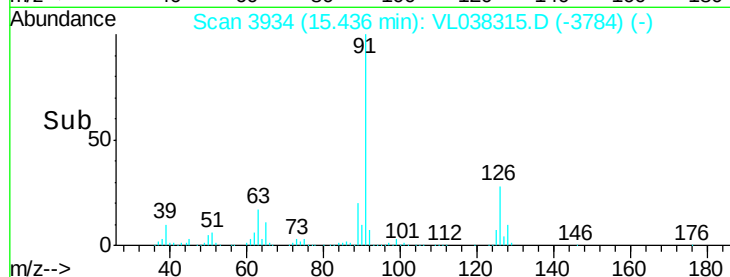
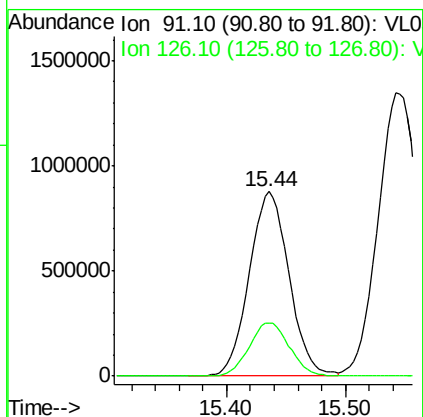
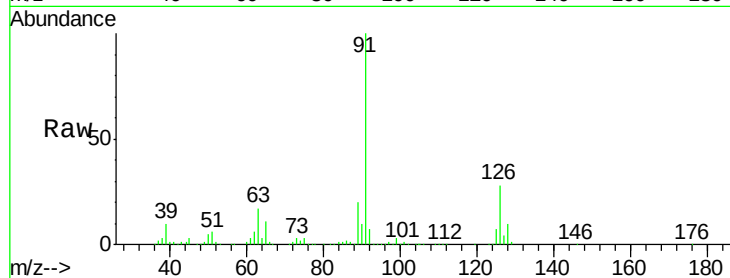
Ion 134.20 (133.90 to 134.90): V





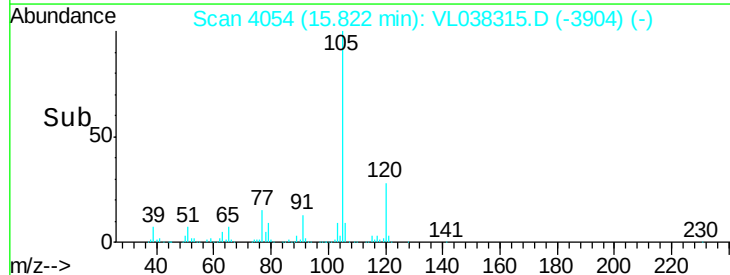
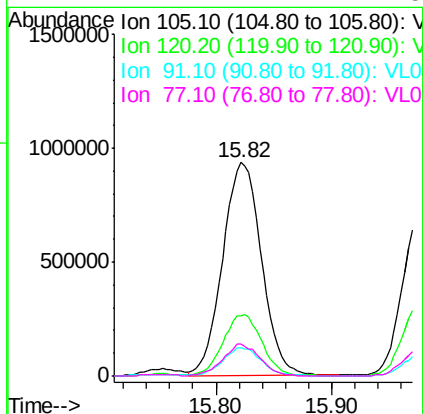
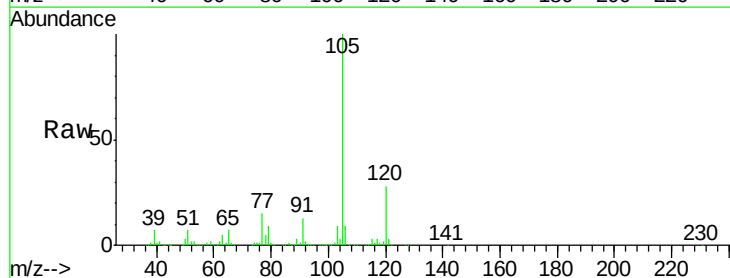
#71
 2-Chlorotoluene
 Concen: 7.932 ppbv
 RT: 15.44 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

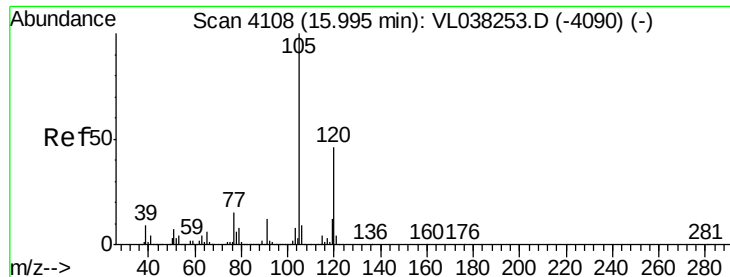
Tgt Ion: 91 Resp: 2033405
 Ion Ratio Lower Upper
 91 100
 126 29.5 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 8.019 ppbv
 RT: 15.82 min Scan# 4054
 Delta R.T. -0.02 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

Tgt Ion: 105 Resp: 2177075
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.8 35.8
 91 13.1 10.2 15.4
 77 14.4 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.823 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

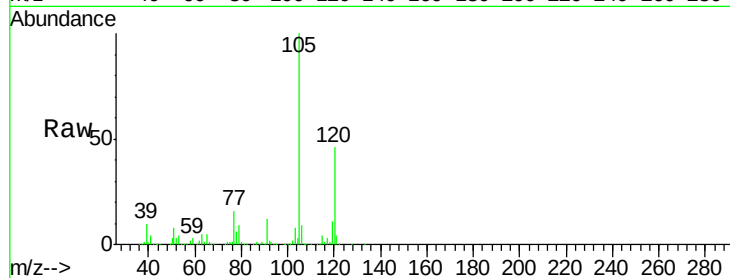
Acq: 28 Jan 2022 9:58

Tgt Ion:105 Resp: 1909988

Ion Ratio Lower Upper

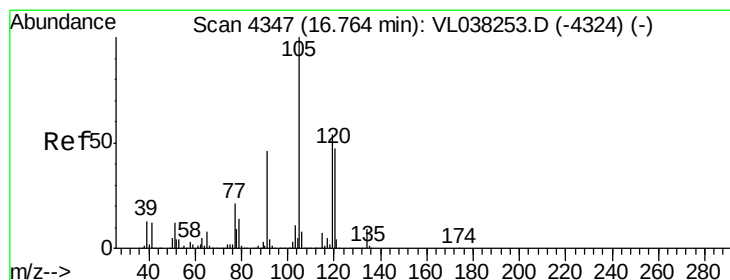
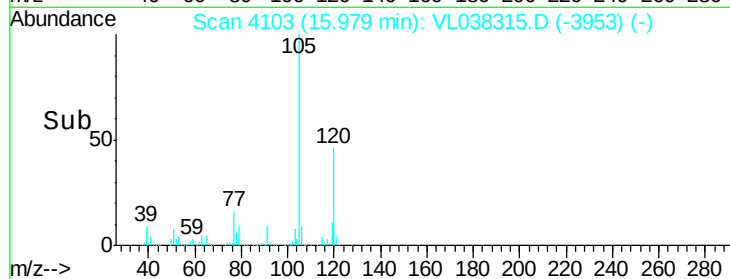
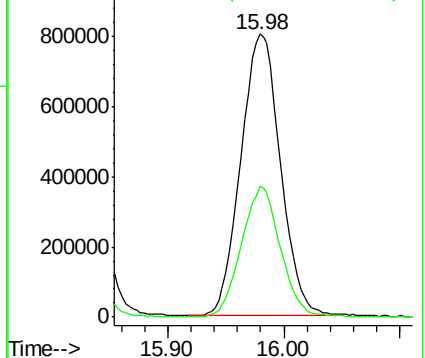
105 100

120 46.3 36.6 55.0



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: 7.656 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.02 min

Lab File: VL038315.D

Acq: 28 Jan 2022 9:58

Tgt Ion:105 Resp: 1969403

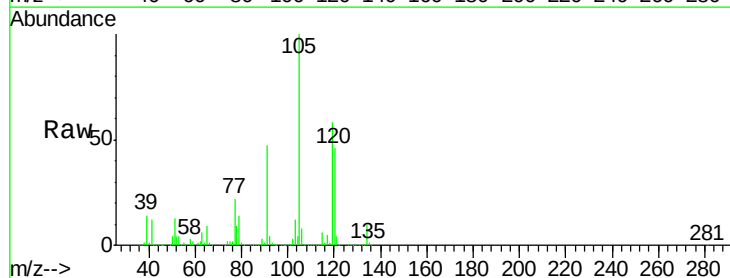
Ion Ratio Lower Upper

105 100

120 46.2 37.2 55.8

91 46.4 36.6 55.0

77 22.2 16.9 25.3

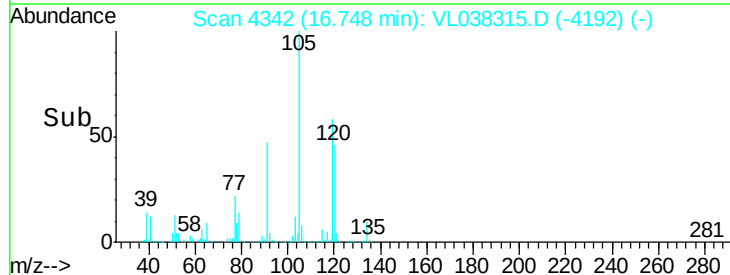
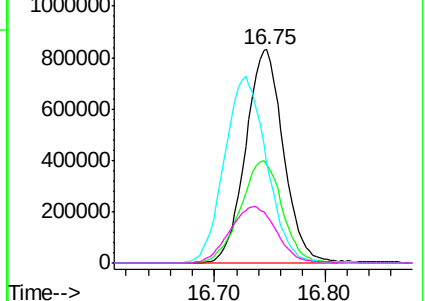


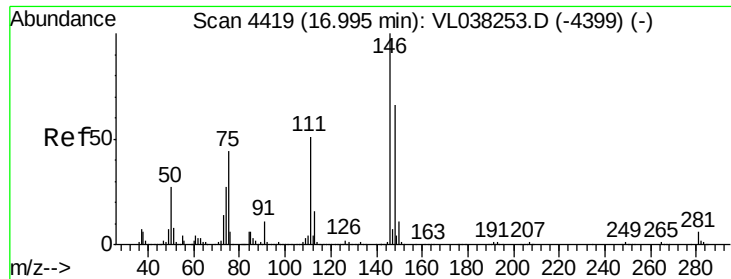
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

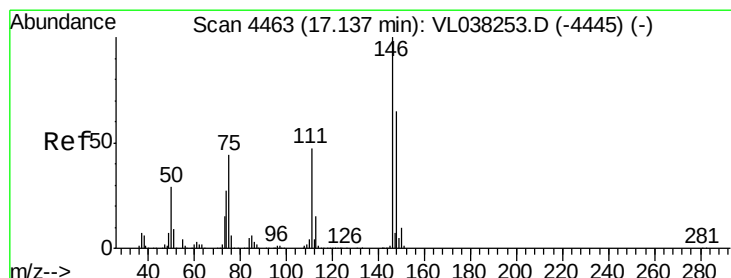
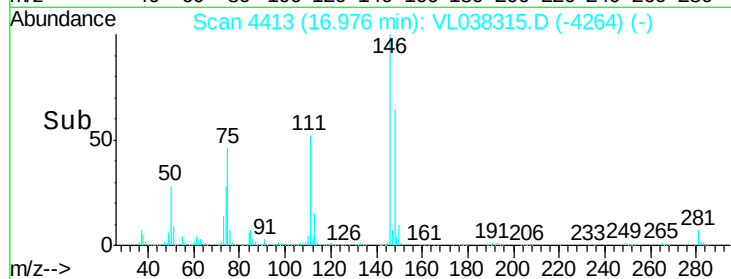
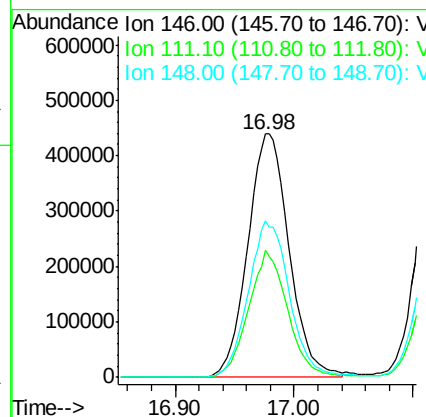
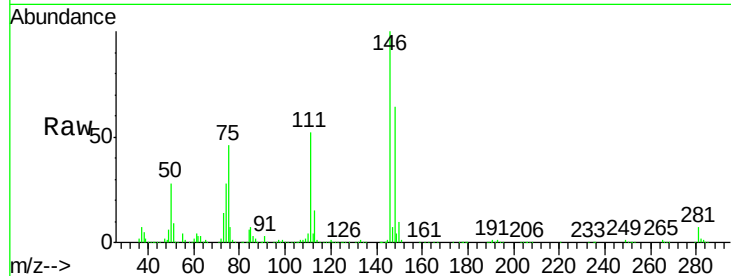
Ion 77.10 (76.80 to 77.80): VL0





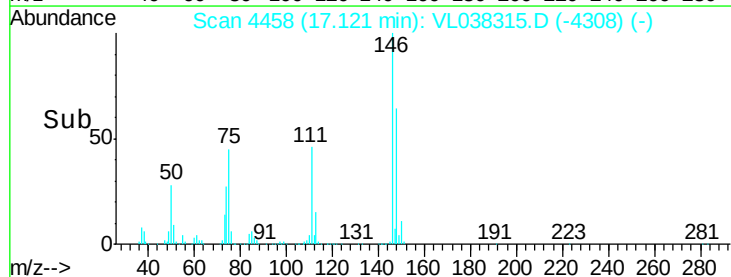
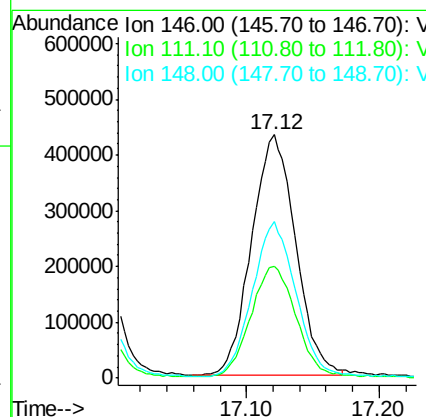
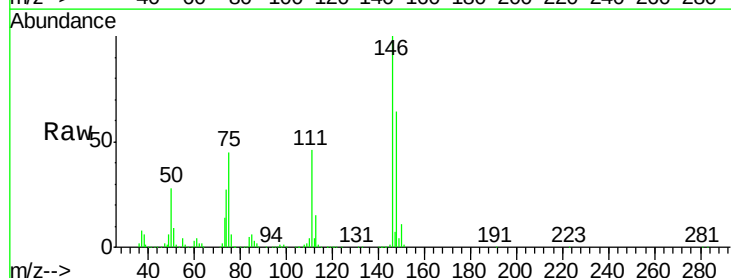
#75
 1,3-Dichlorobenzene
 Concen: 7.639 ppbv
 RT: 16.98 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

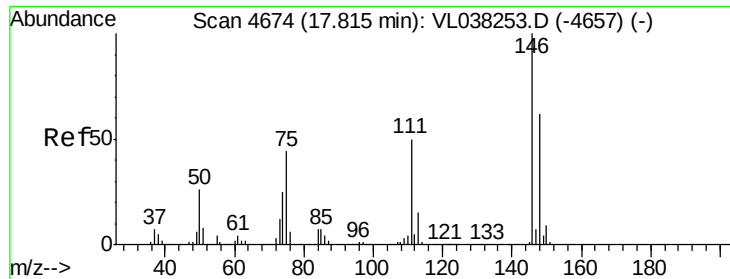
Tgt Ion:146 Resp: 1054381
 Ion Ratio Lower Upper
 146 100
 111 49.4 24.1 72.4
 148 64.6 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.463 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. -0.02 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

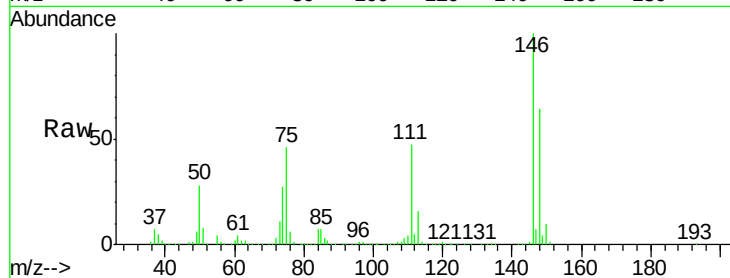
Tgt Ion:146 Resp: 997390
 Ion Ratio Lower Upper
 146 100
 111 47.9 23.2 69.6
 148 66.6 32.4 97.0



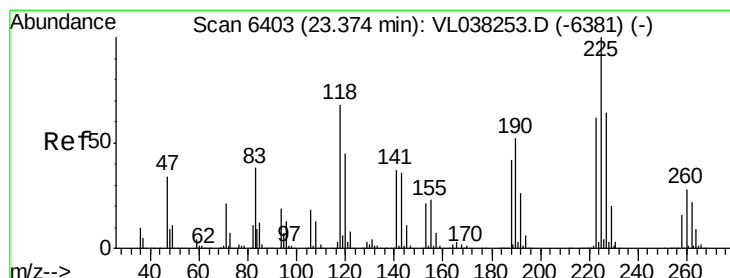
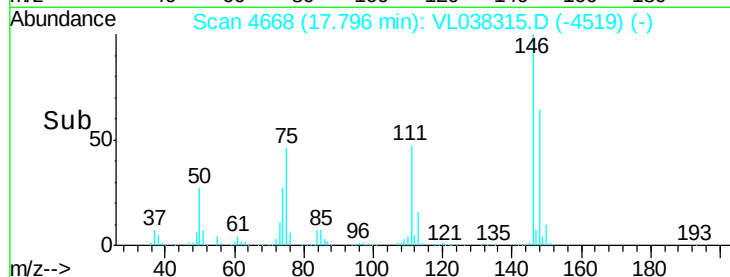
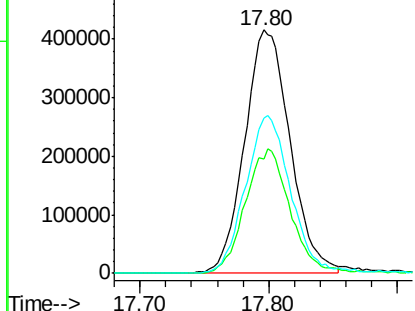


#77
 1,2-Dichlorobenzene
 Concen: 7.927 ppbv
 RT: 17.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

Tgt Ion:146 Resp: 1016224
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.2 75.6
 148 65.1 32.6 97.8

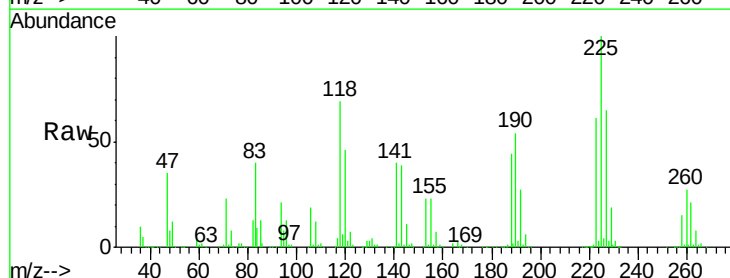


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

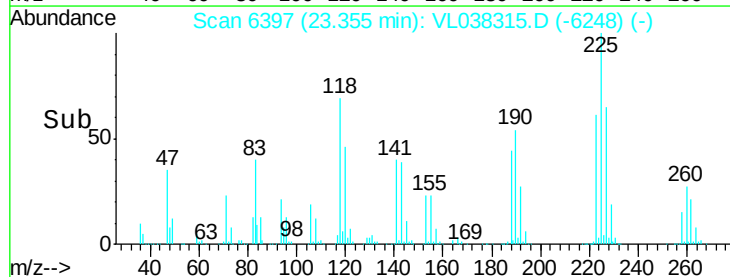
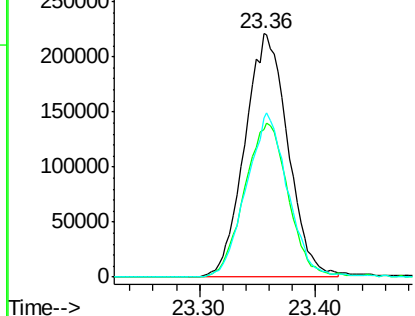


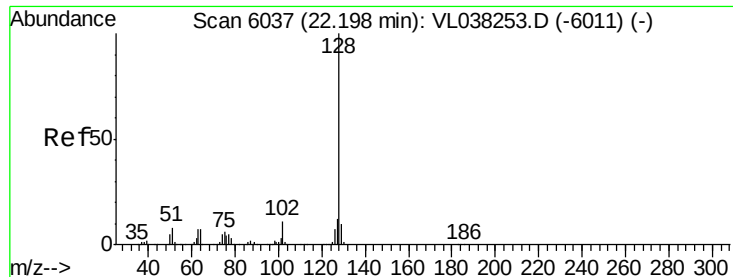
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.417 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. -0.02 min
 Lab File: VL038315.D
 Acq: 28 Jan 2022 9:58

Tgt Ion:225 Resp: 572010
 Ion Ratio Lower Upper
 225 100
 223 64.9 51.7 77.5
 227 65.3 51.4 77.0



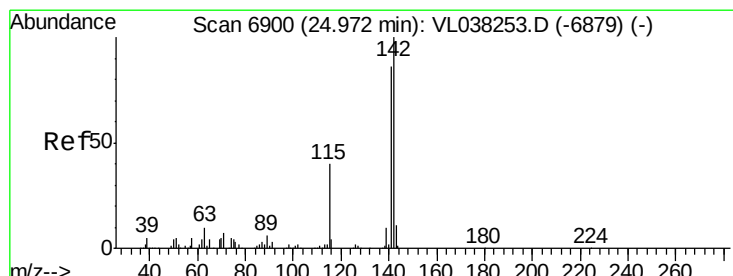
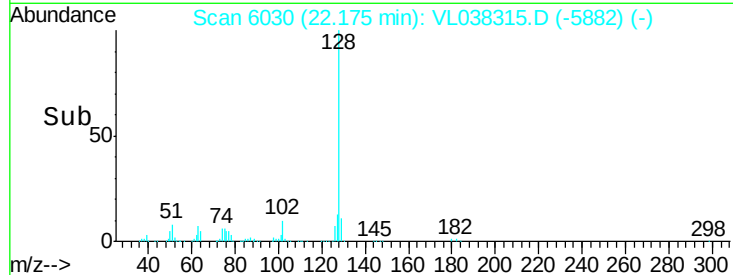
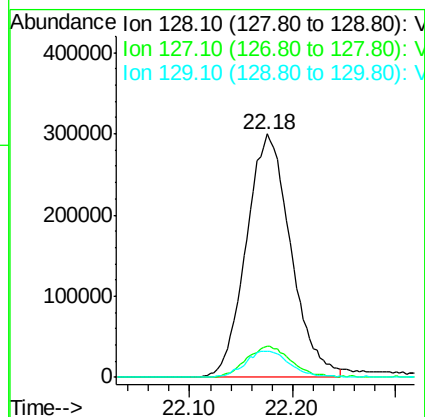
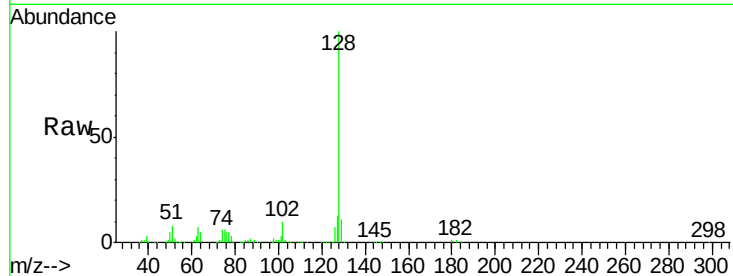
Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





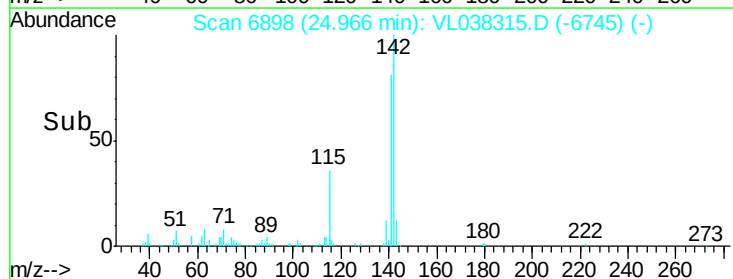
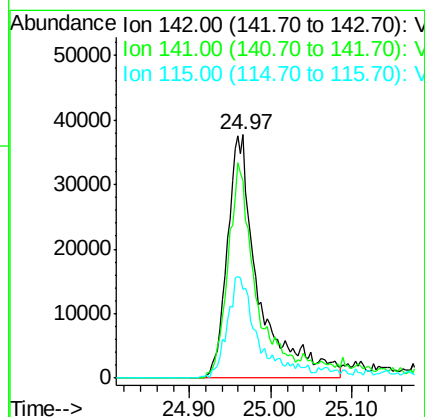
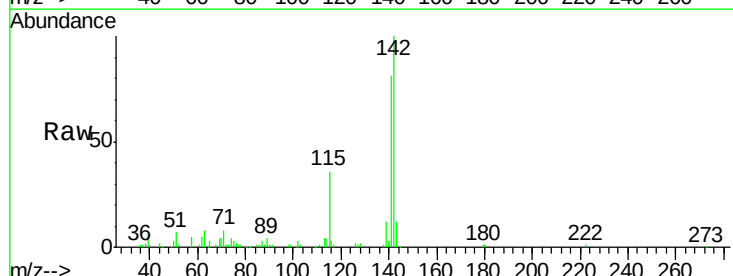
#79
Naphthalene
Concen: 7.484 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 28 Jan 2022 9:58

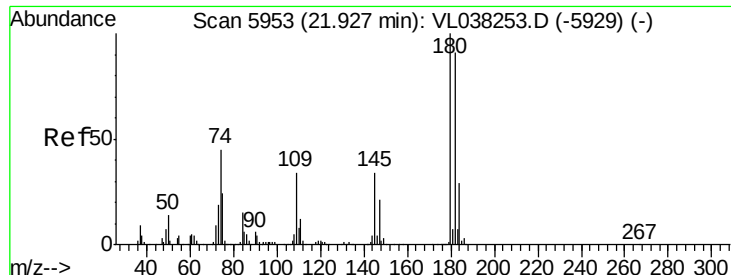
Tgt Ion:	128	Resp:	900048
Ion	Ratio	Lower	Upper
128	100		
127	12.8	9.7	14.5
129	10.5	8.1	12.1



#80
Naphthalene, 2-methyl-
Concen: 7.815 ppbv
RT: 24.97 min Scan# 6898
Delta R.T.: -0.01 min
Lab File: VL038315.D
Acq: 28 Jan 2022 9:58

Tgt Ion:	142	Resp:	102213
Ion	Ratio	Lower	Upper
142	100		
141	91.4	70.2	105.4
115	43.5	31.8	47.6





#81
 1,2,4-Trichlorobenzene
 Concen: 4.134 ppbv
 RT: 21.90
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 28 Jan 2022 9:58

Tgt Ion:180 Resp: 292441
 Ion Ratio Lower Upper
 180 100
 182 175.3 77.7 116.5#
 184 55.5 24.4 36.6#

