

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041322\
 Data File : VL038903.D
 Acq On : 13 Apr 2022 14:13
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VSTDCCC010

Quant Time: Apr 25 08:27:41 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1201282	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3003472	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3482101	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2275703	8.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1600766	9.395	ppbv	100
3) Chlorodifluoromethane	2.99	51	1399061	9.543	ppbv	96
4) Chloromethane	3.14	50	708941	9.339	ppbv	91
5) Vinyl Chloride	3.26	62	667263	9.513	ppbv	93
6) Bromomethane	3.47	94	326764	9.628	ppbv	92
7) Chloroethane	3.56	64	204877	8.759	ppbv	99
8) Dichlorotetrafluoroethane	3.19	85	1562158	9.814	ppbv	95
9) Propene	3.01	41	643208	8.292	ppbv	94
10) Heptane	8.12	43	1639957	8.394	ppbv	98
11) Trichlorofluoromethane	3.95	101	1442961	10.539	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1065520	10.159	ppbv	92
13) Ethanol	3.60	45	24292	5.153	ppbv #	100
14) Bromoethene	3.74	108	446029	9.670	ppbv	99
15) Acetone	3.85	43	1144132	9.566	ppbv	98
16) 1,3-Butadiene	3.33	39	626896	9.169	ppbv	99
17) tert-Butyl alcohol	4.29	59	852522	7.949	ppbv	99
18) 1,1-Dichloroethene	4.29	96	469695	9.824	ppbv	96
19) Isopropyl Alcohol	3.96	45	588607	9.629	ppbv #	100
20) Methylene Chloride	4.35	84	380155	8.764	ppbv	93
21) Allyl Chloride	4.41	41	782533	8.739	ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	487966	10.080	ppbv	98
23) Vinyl Acetate	5.07	43	1106508	9.500	ppbv	98
24) 1,1-Dichloroethane	5.01	63	970810	9.224	ppbv	99
25) Ethyl Acetate	5.67	43	2749267	9.060	ppbv	100
26) Hexane	5.69	57	1218134	8.819	ppbv	99
27) Carbon Disulfide	4.55	76	1180882	9.322	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	918217	8.607	ppbv	98
29) Chloroform	5.75	83	1937466	10.025	ppbv	100
30) Cyclohexane	7.13	84	1042803	8.566	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1238103	9.748	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	1946304	9.995	ppbv	98
34) 2-Butanone	5.24	43	1197855	10.093	ppbv	98
35) Carbon Tetrachloride	7.02	117	1971799	10.951	ppbv	100
36) Benzene	6.89	78	2543614	9.309	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1521069	12.176	ppbv #	95
38) Trichloroethene	7.83	130	999015	8.911	ppbv	94
39) 1,2-Dichloropropane	7.61	63	1011336	9.677	ppbv	96
40) 1,4-Dioxane	7.83	88	338635	9.542	ppbv #	3
41) Tetrahydrofuran	6.05	42	1055713	9.366	ppbv	99
42) Bromodichloromethane	7.79	83	2165416	10.977	ppbv	100
43) Methyl Methacrylate	8.01	69	1041685	9.954	ppbv	96

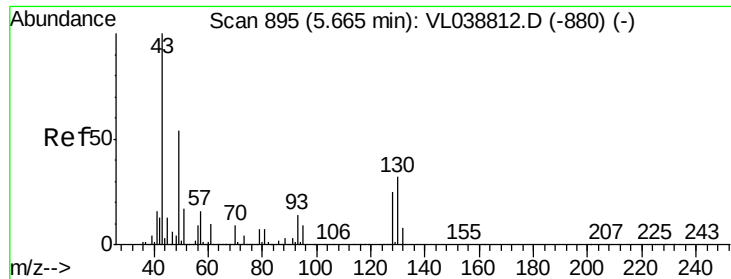
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4312917	9.323	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1153136	10.538	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1430018	9.912	ppbv	94
47) 1,1,2-Trichloroethane	9.47	97	1037473	9.688	ppbv	99
48) Dibromochloromethane	10.30	129	1747599	10.412	ppbv	99
49) Bromoform	13.04	173	1404981	10.569	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2636374	9.876	ppbv	100
51) 2-Hexanone	10.13	43	2077811	10.330	ppbv	97
52) Tetrachloroethene	11.22	164	850515	8.912	ppbv	97
53) Toluene	9.81	91	2915696	9.244	ppbv	98
54) 1,2-Dibromoethane	10.61	107	1489297	10.012	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1207686	7.914	ppbv #	90
57) Chlorobenzene	12.15	112	2028970	7.115	ppbv #	94
58) Ethyl Benzene	12.71	91	3936279	7.565	ppbv	97
59) m/p-Xylene	13.00	91	3852682	8.813	ppbv #	59
60) o-Xylene	13.69	91	3164021	7.735	ppbv	94
61) Styrene	13.52	104	1857802	7.455	ppbv	96
62) Isopropylbenzene	14.66	105	4521921	7.365	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.67	83	1981959	7.650	ppbv	100
64) n-propylbenzene	15.56	120	550911	3.456	ppbv #	1
65) tert-Butylbenzene	16.74	119	3871366	7.107	ppbv	93
66) Benzyl Chloride	16.99	91	595879	5.373	ppbv	94
67) sec-Butylbenzene	17.29	105	5636247	7.374	ppbv	97
69) p-Isopropyltoluene	17.65	119	4673206	7.446	ppbv	97
70) n-Butylbenzene	18.55	91	5136816	8.124	ppbv	97
71) 2-Chlorotoluene	15.45	91	3564614	7.721	ppbv	95
72) 4-Ethyltoluene	15.84	105	3813233	7.807	ppbv	97
73) 1,3,5-Trimethylbenzene	15.99	105	3367387	7.674	ppbv	93
74) 1,2,4-Trimethylbenzene	16.76	105	3544939	7.643	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1999171	7.423	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1957424	7.378	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	1984985	7.477	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1369225	6.528	ppbv	99
79) Naphthalene	22.19	128	2789704	8.040	ppbv	100
80) Naphthalene,2-methyl-	24.97	142	722178	8.446	ppbv	95
81) 1,2,4-Trichlorobenzene	21.92	180	1567986	7.722	ppbv	98

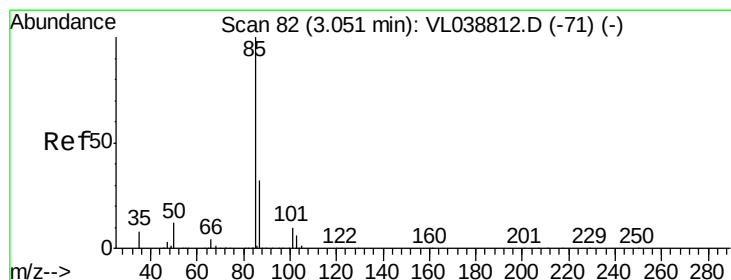
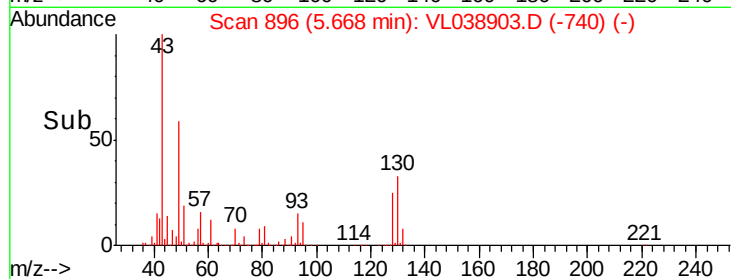
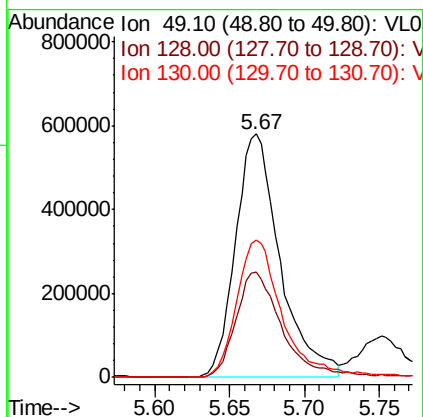
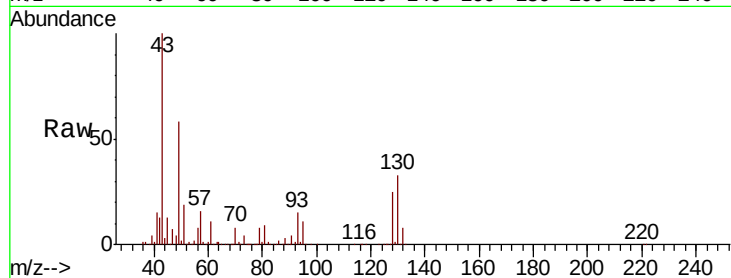
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Apr 2022 14:13

Tot Ion: 49 Resp: 1201282

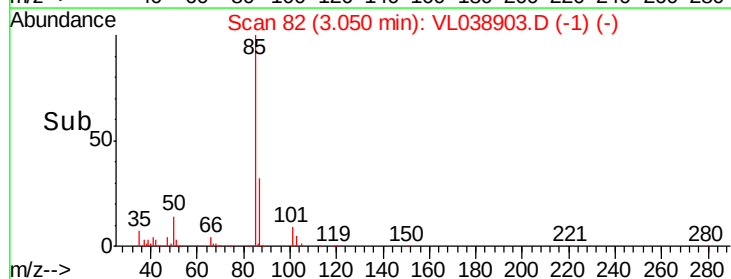
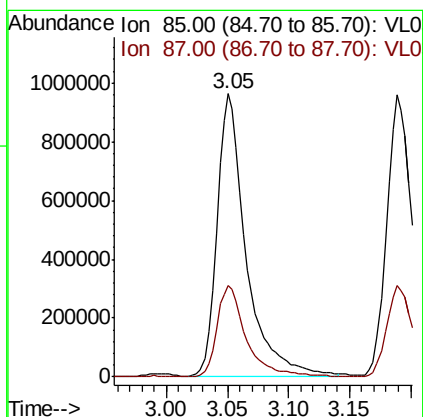
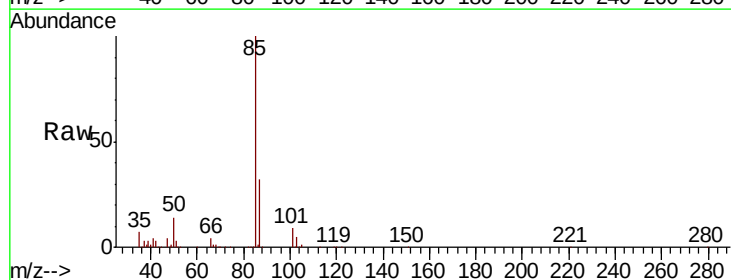
Ion	Ratio	Lower	Upper
49	100		
128	45.5	24.1	72.3
130	58.9	30.9	92.8

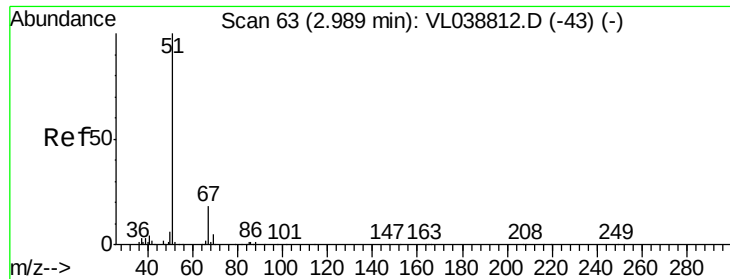


#2
 Dichlorodifluoromethane
 Concen: 9.395 ppbv
 RT: 3.05 min Scan# 82
 Delta R.T.: -0.00 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

Tgt Ion: 85 Resp: 1600766

Ion	Ratio	Lower	Upper
85	100		
87	32.2	25.9	38.9





#3

Chlorodifluoromethane

Concen: 9.543 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

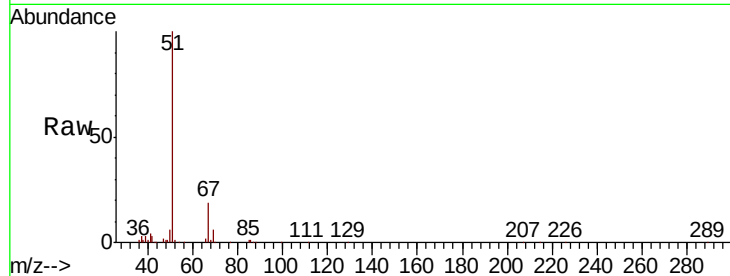
Acq: 13 Apr 2022 14:13 VSTDCCC010

Tot Ion: 51 Resp: 1399061

Ion Ratio Lower Upper

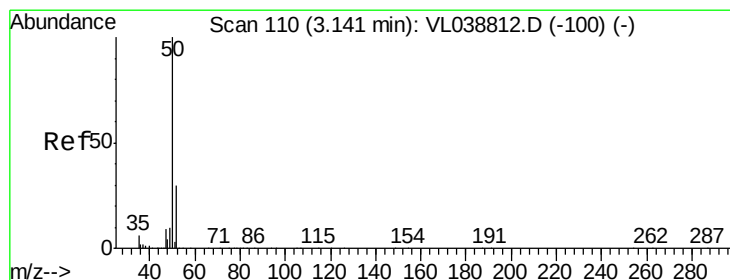
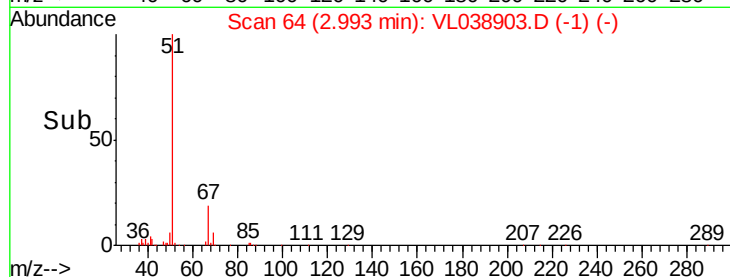
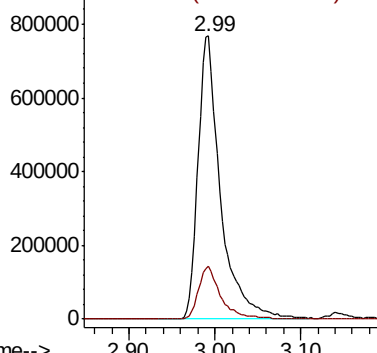
51 100

67 18.6 13.4 20.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.339 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038903.D

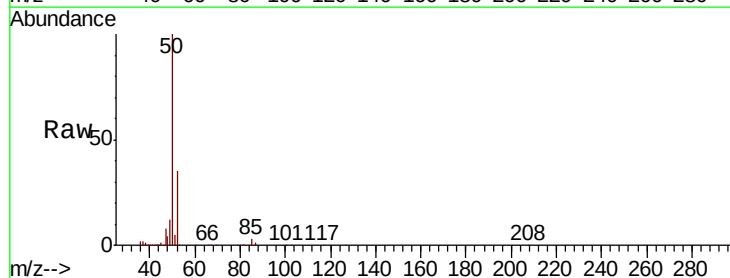
Acq: 13 Apr 2022 14:13

Tgt Ion: 50 Resp: 708941

Ion Ratio Lower Upper

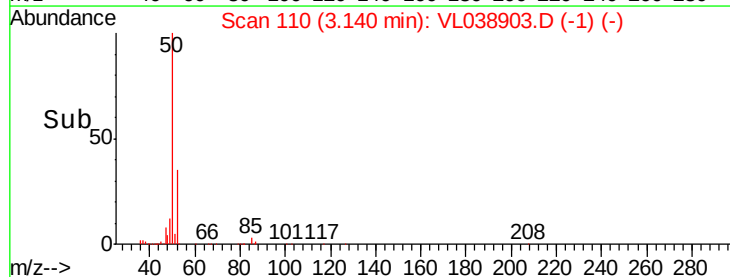
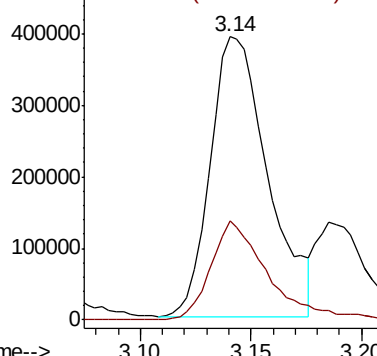
50 100

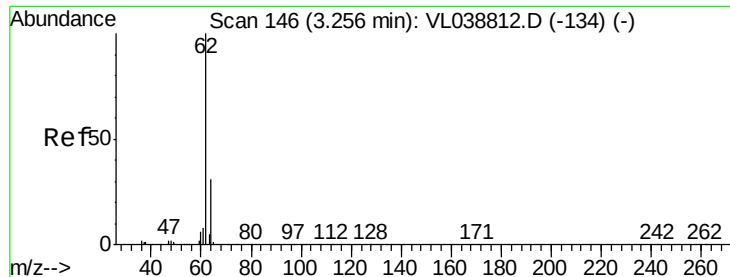
52 35.5 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.513 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010

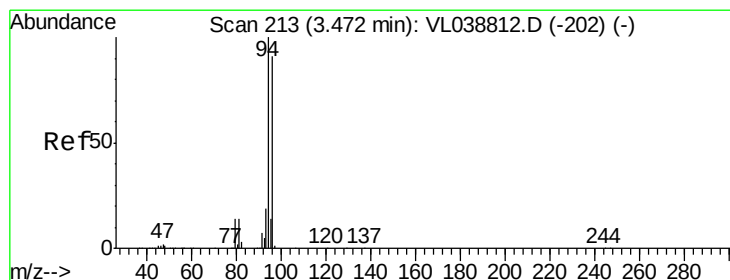
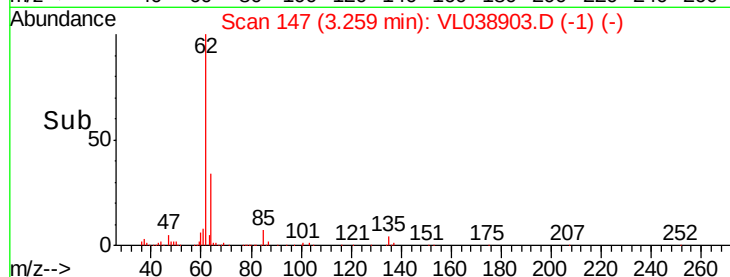
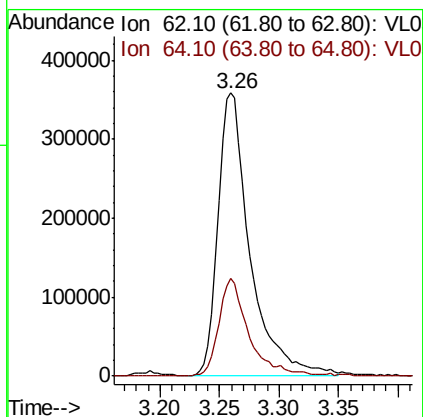
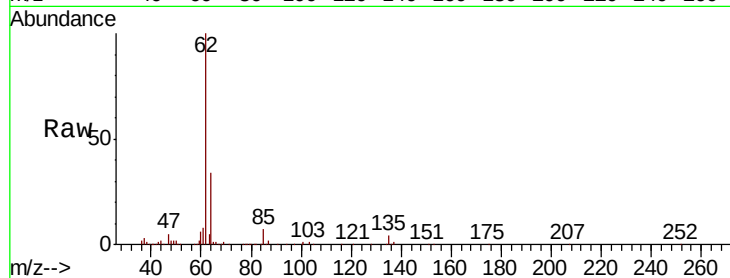
Acq: 13 Apr 2022 14:13

Tot Ion: 62 Resp: 667263

Ion Ratio Lower Upper

62 100

64 34.5 24.6 37.0



#6

Bromomethane

Concen: 9.628 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL038903.D

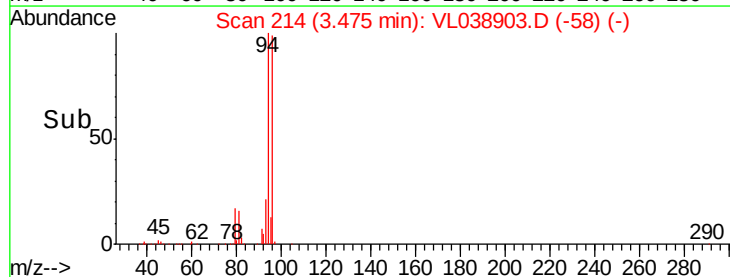
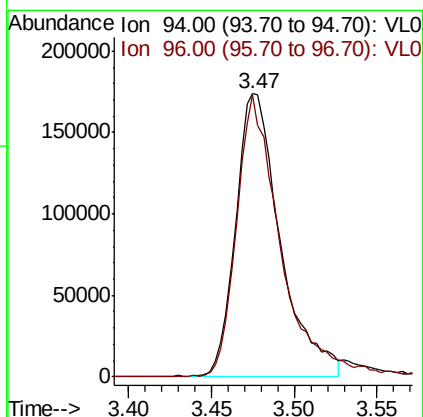
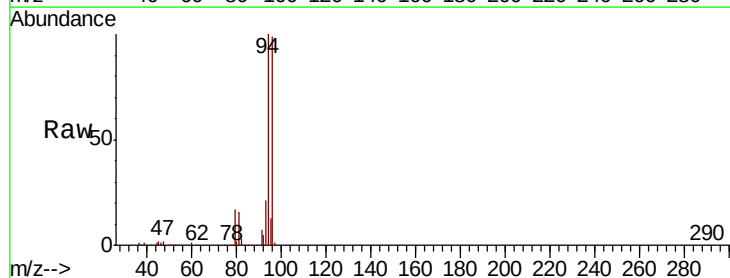
Acq: 13 Apr 2022 14:13

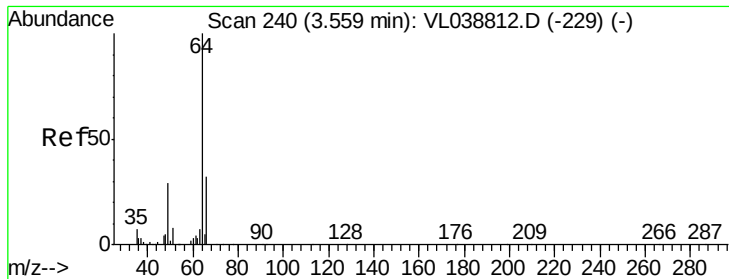
Tgt Ion: 94 Resp: 326764

Ion Ratio Lower Upper

94 100

96 99.4 73.2 109.8





#7

Chloroethane

Concen: 8.759 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

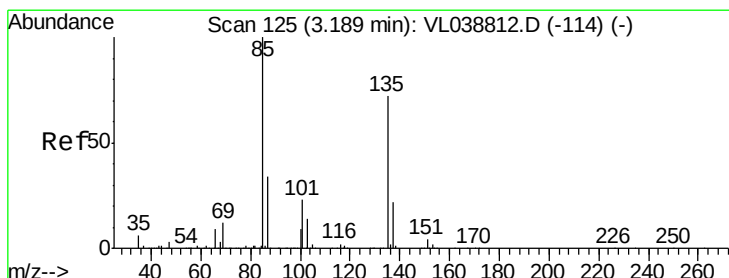
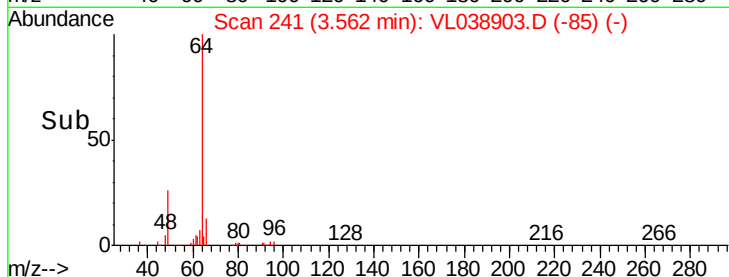
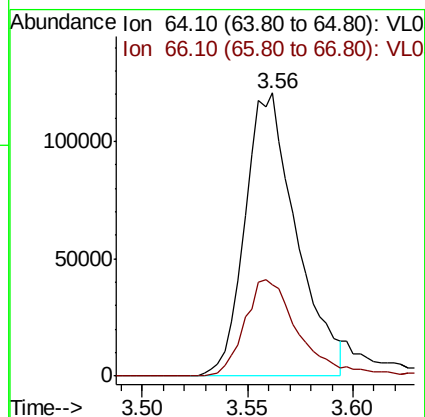
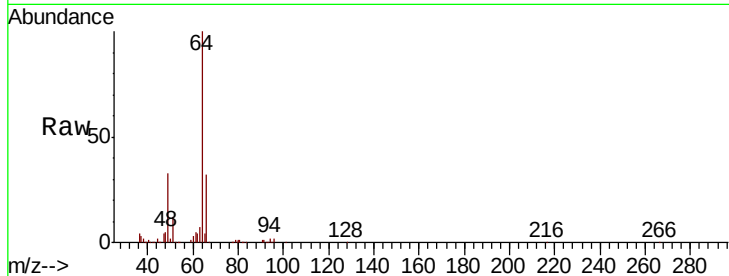
Acq: 13 Apr 2022 14:13 VSTDCCC010

Tot Ion: 64 Resp: 204877

Ion Ratio Lower Upper

64 100

66 32.4 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 9.814 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL038903.D

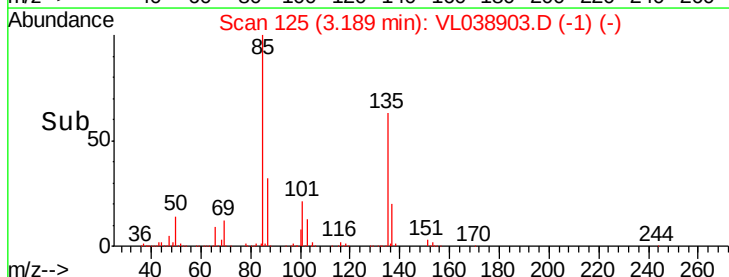
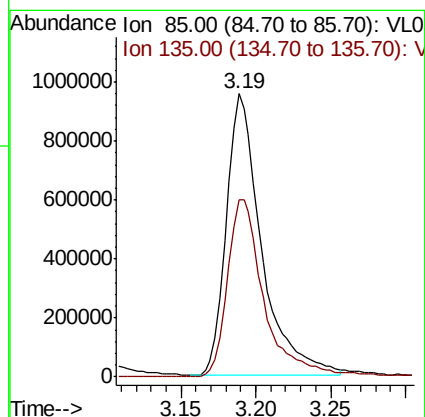
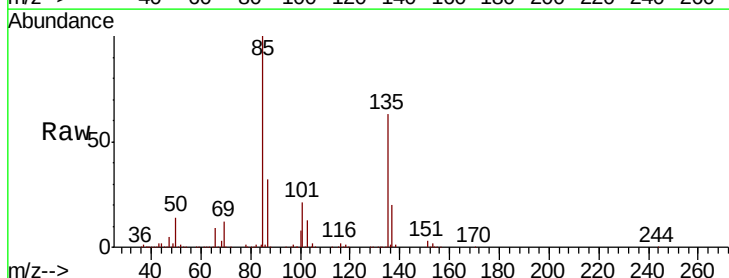
Acq: 13 Apr 2022 14:13

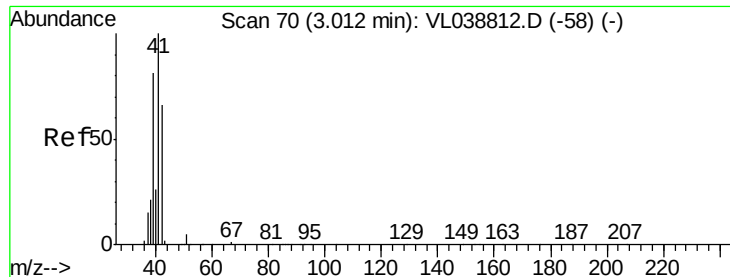
Tgt Ion: 85 Resp: 1562158

Ion Ratio Lower Upper

85 100

135 67.0 57.0 85.6





#9

Propene

Concen: 8.292 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

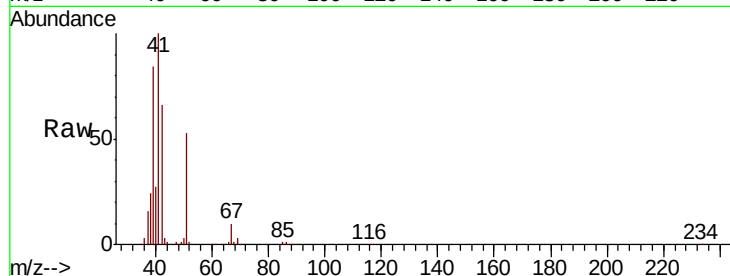
Acq: 13 Apr 2022 14:13 VSTDCCC010

Tot Ion: 41 Resp: 643208

Ion Ratio Lower Upper

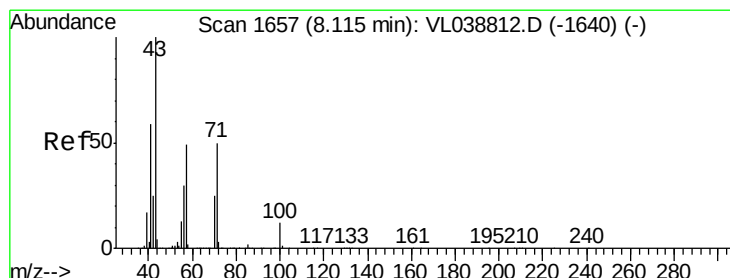
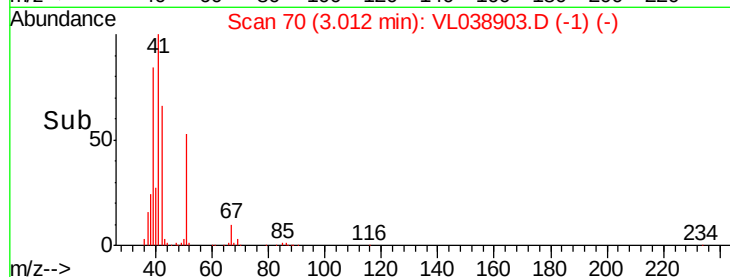
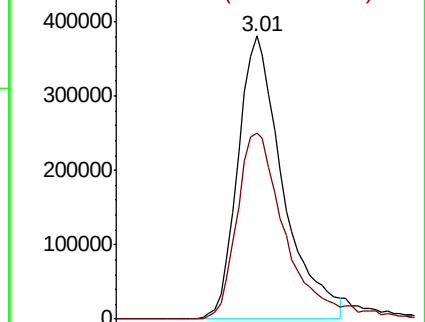
41 100

42 72.6 54.2 81.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.394 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VL038903.D

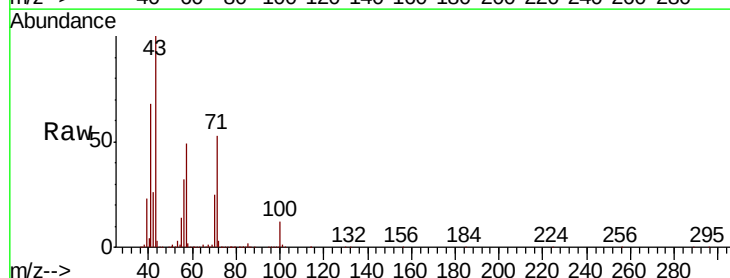
Acq: 13 Apr 2022 14:13

Tgt Ion: 43 Resp: 1639957

Ion Ratio Lower Upper

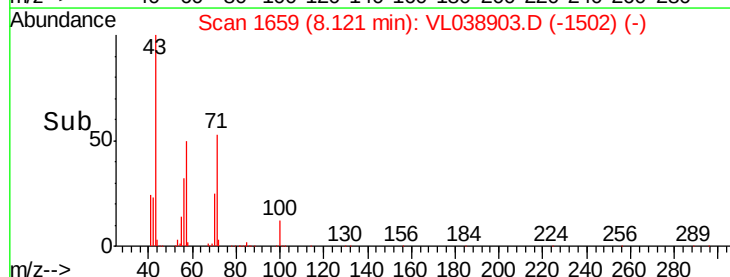
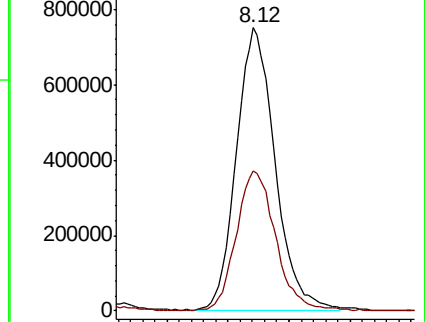
43 100

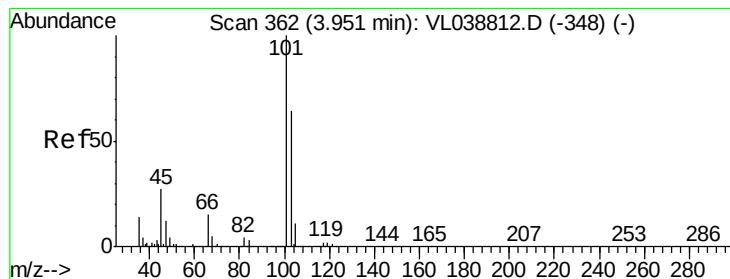
57 50.3 39.3 58.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.539 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

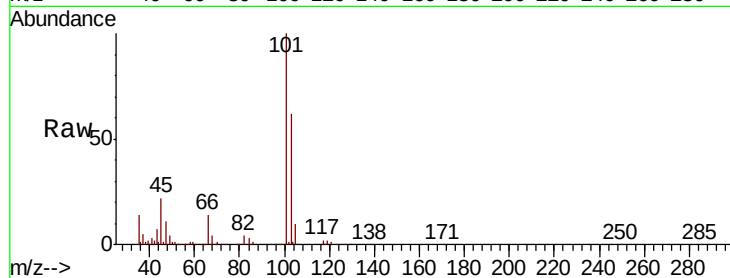
Acq: 13 Apr 2022 14:13 VSTDCCC010

Tot Ion:101 Resp: 1442961

Ion Ratio Lower Upper

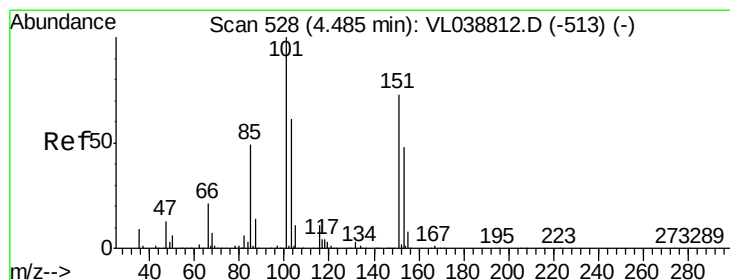
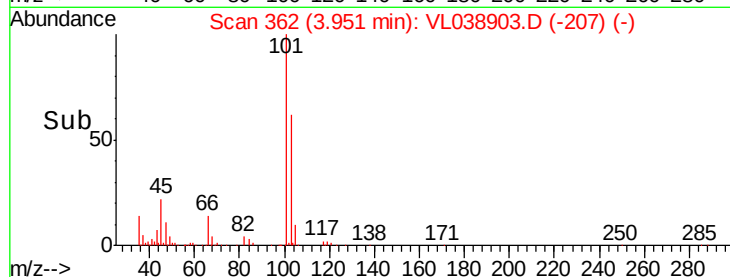
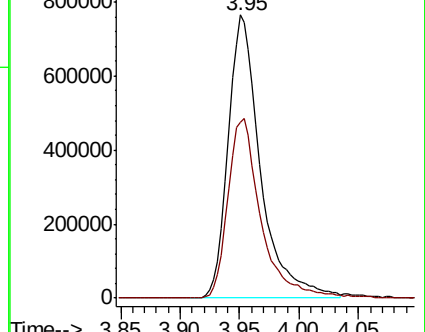
101 100

103 62.3 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.159 ppbv

RT: 4.48 min Scan# 528

Delta R.T. -0.00 min

Lab File: VL038903.D

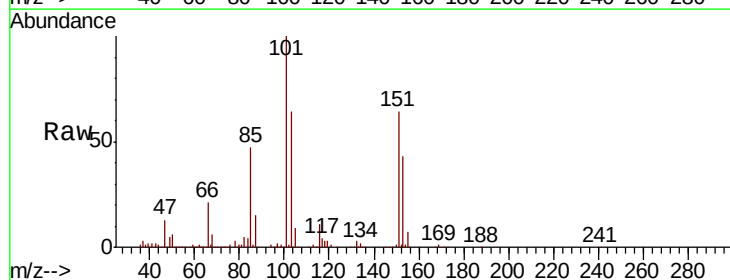
Acq: 13 Apr 2022 14:13

Tgt Ion:101 Resp: 1065520

Ion Ratio Lower Upper

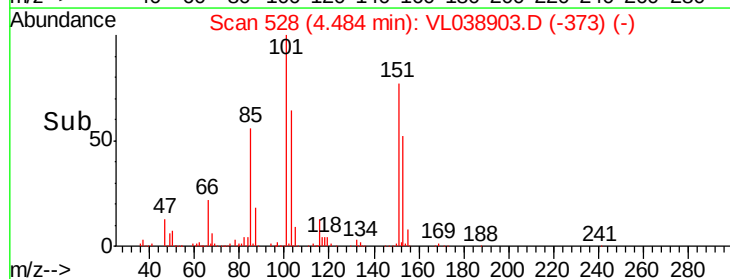
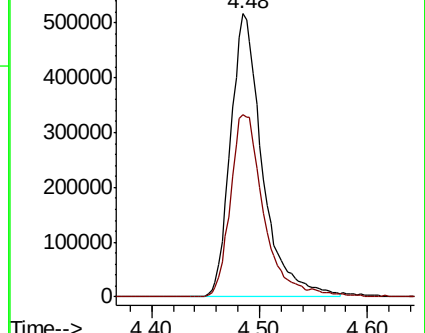
101 100

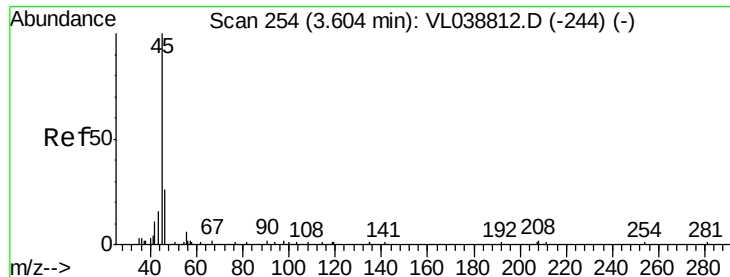
151 68.1 59.9 89.9



Abundance Ion 101.00 (100.70 to 101.70): V

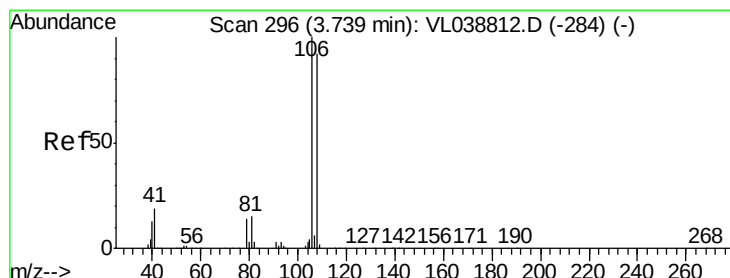
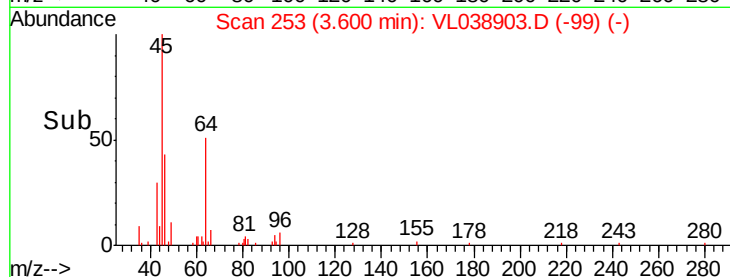
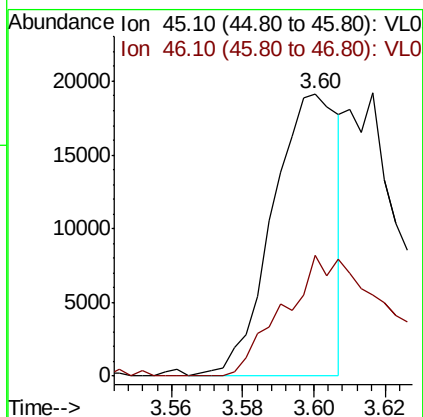
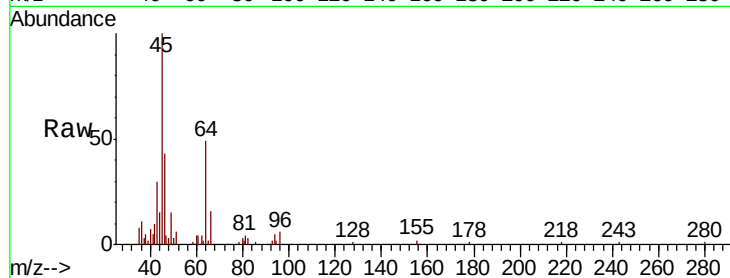
Ion 151.00 (150.70 to 151.70): V





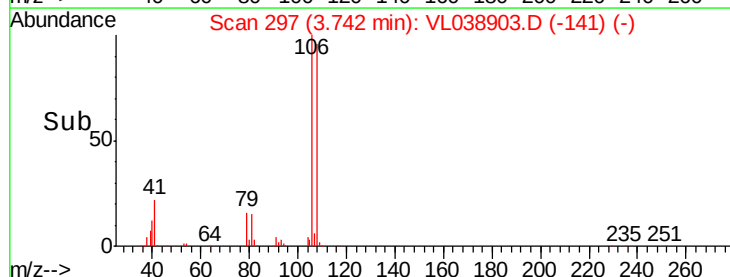
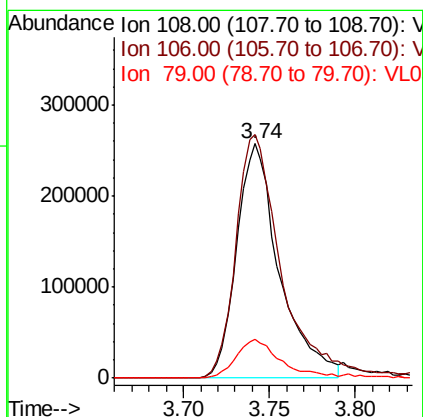
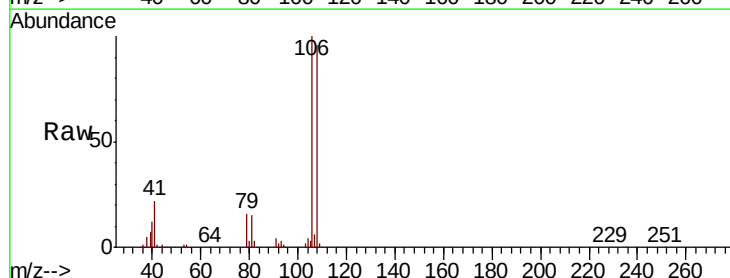
#13
 Ethanol
 Concen: 5.153 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 13 Apr 2022 14:13

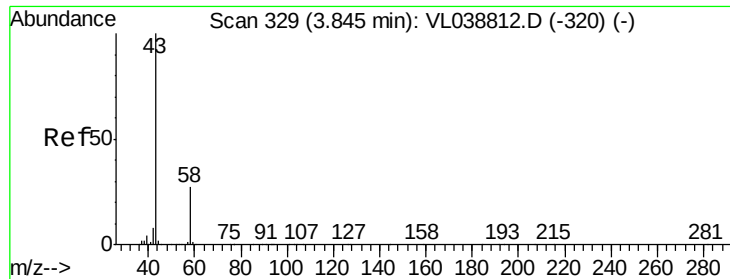
Tot Ion: 45 Resp: 24292
 Ion Ratio Lower Upper
 45 100
 46 87.1 0.0 0.0#



#14
 Bromoethene
 Concen: 9.670 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T. 0.00 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

Tgt Ion: 108 Resp: 446029
 Ion Ratio Lower Upper
 108 100
 106 113.4 91.5 137.3
 79 18.6 13.7 20.5





#15

Acetone

Concen: 9.566 ppbv

RT: 3.85 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VSTDCCC010

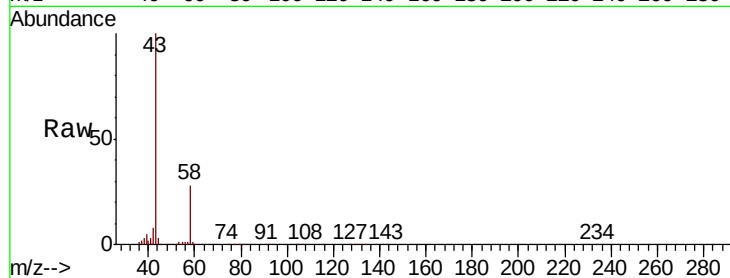
Acq: 13 Apr 2022 14:13

Tot Ion: 43 Resp: 1144132

Ion Ratio Lower Upper

43 100

58 27.1 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

600000

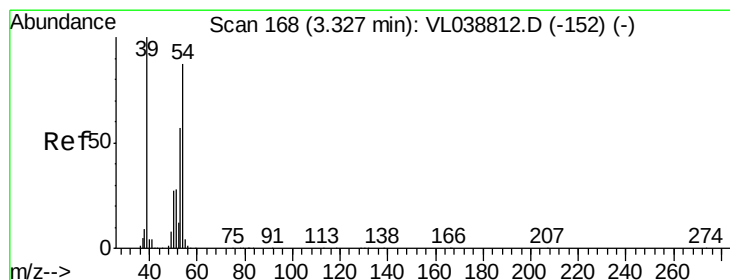
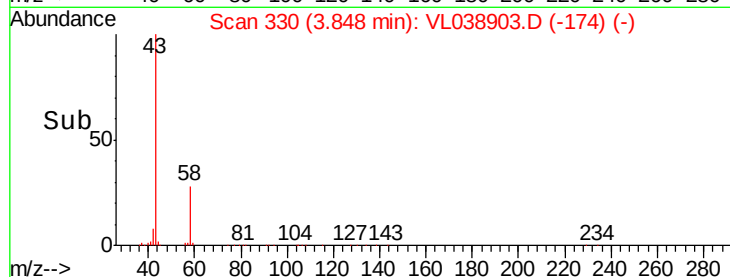
400000

200000

0

Time-->

3.80 3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 9.169 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL038903.D

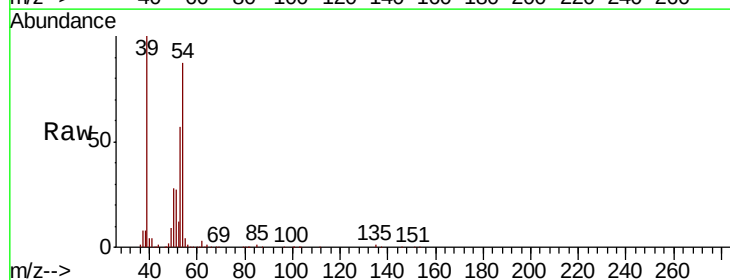
Acq: 13 Apr 2022 14:13

Tgt Ion: 39 Resp: 626896

Ion Ratio Lower Upper

39 100

54 82.3 64.8 97.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

400000

300000

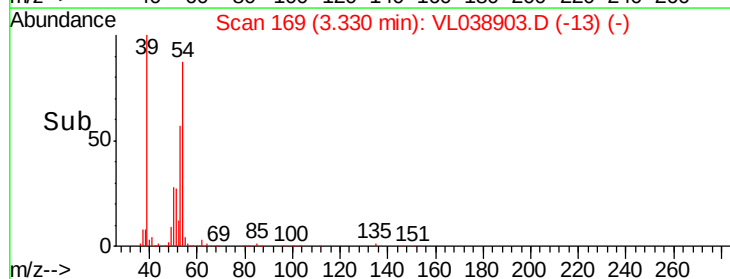
200000

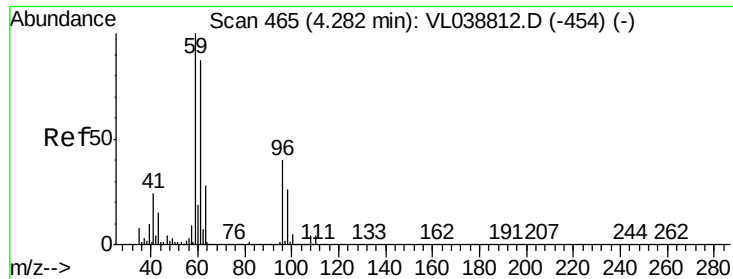
100000

0

Time-->

3.25 3.30 3.35 3.40





#17

tert-Butyl alcohol

Concen: 7.949 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

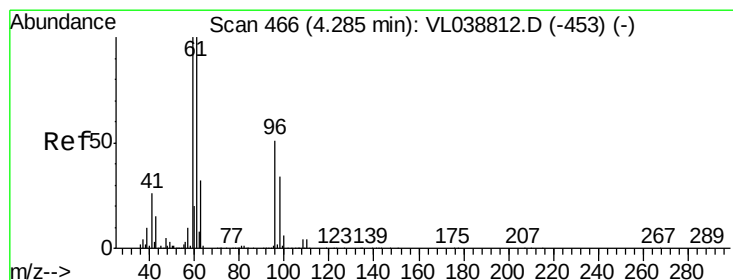
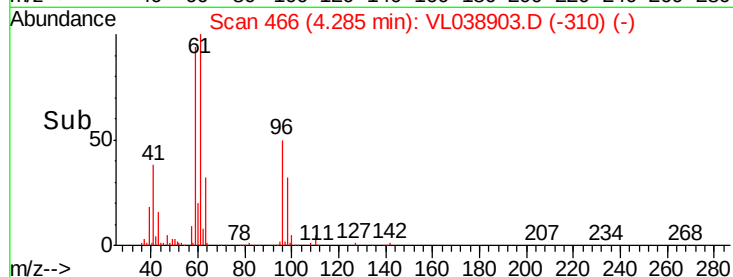
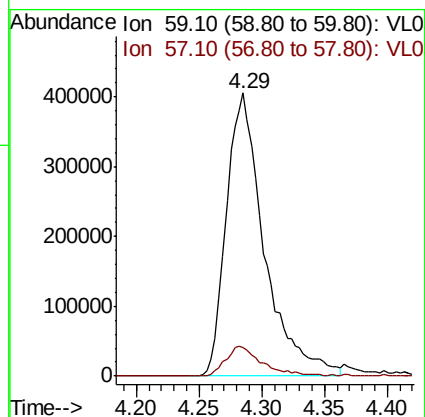
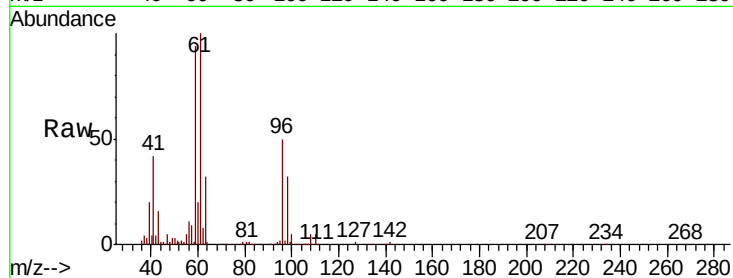
Acq: 13 Apr 2022 14:13 VSTDCCC010

Tot Ion: 59 Resp: 852522

Ion Ratio Lower Upper

59 100

57 10.2 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.824 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

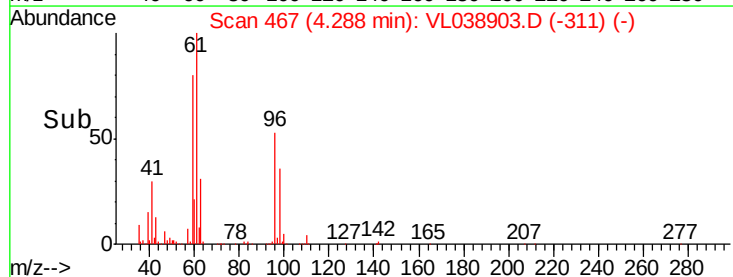
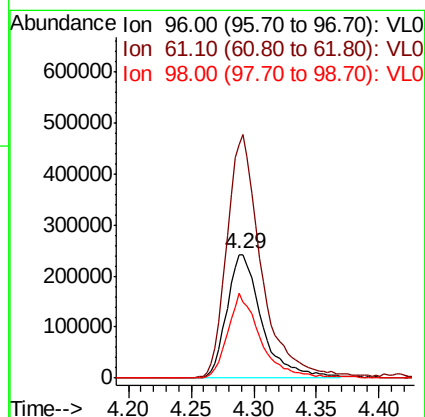
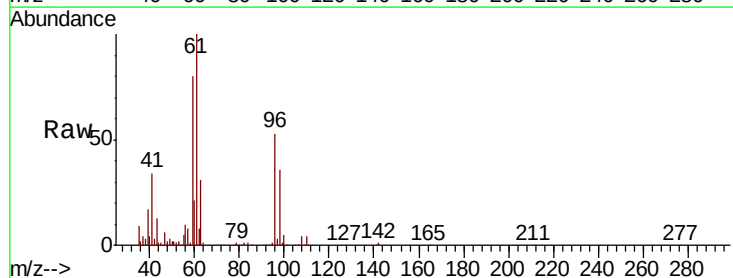
Tgt Ion: 96 Resp: 469695

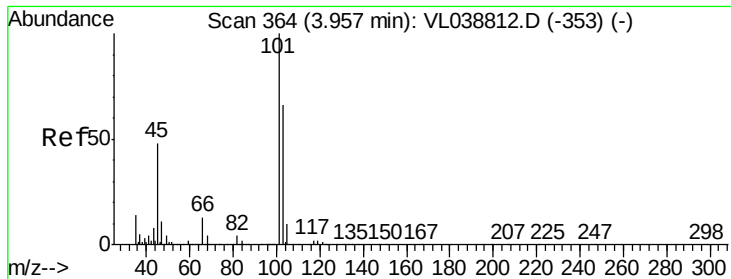
Ion Ratio Lower Upper

96 100

61 188.0 156.1 234.1

98 68.5 53.0 79.6





#19

Isopropyl Alcohol

Concen: 9.629 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

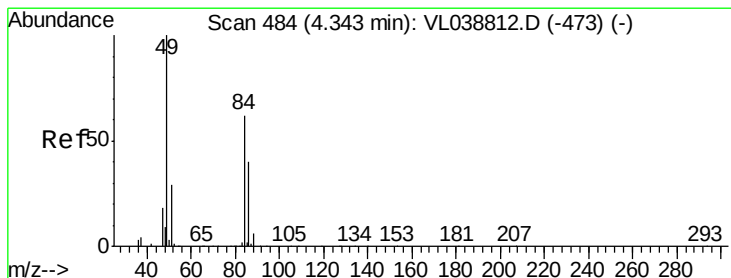
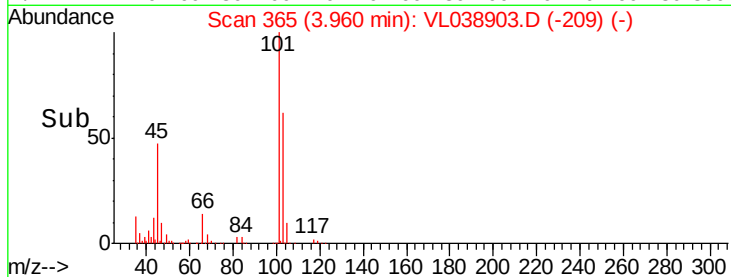
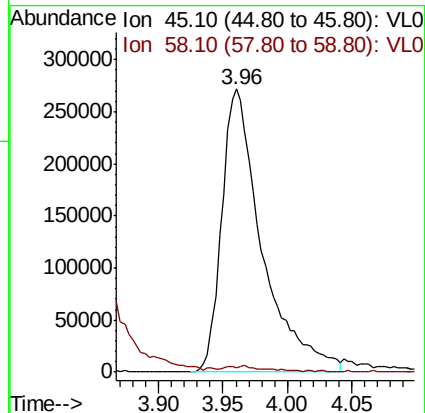
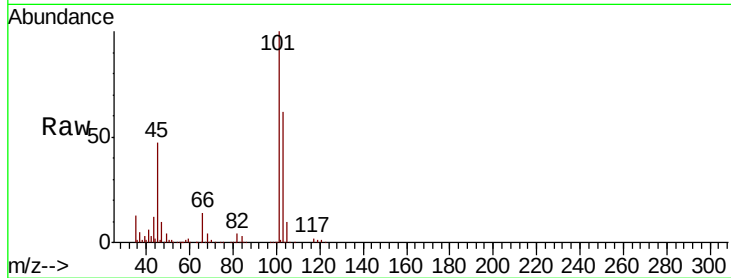
Acq: 13 Apr 2022 14:13

Tot Ion: 45 Resp: 588607

Ion Ratio Lower Upper

45 100

58 2.2 0.0 0.0#



#20

Methylene Chloride

Concen: 8.764 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

Tgt Ion: 84 Resp: 380155

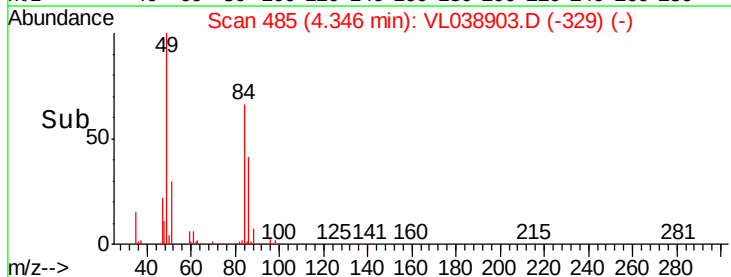
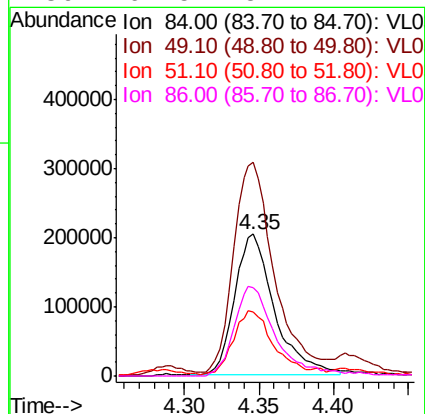
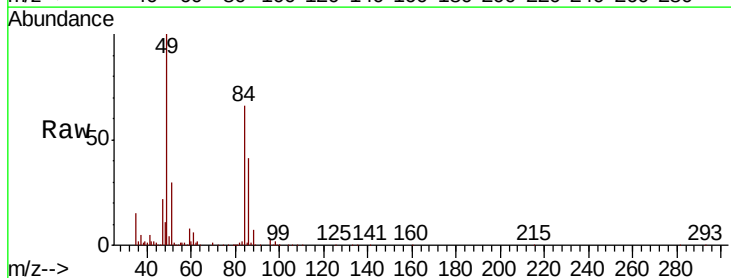
Ion Ratio Lower Upper

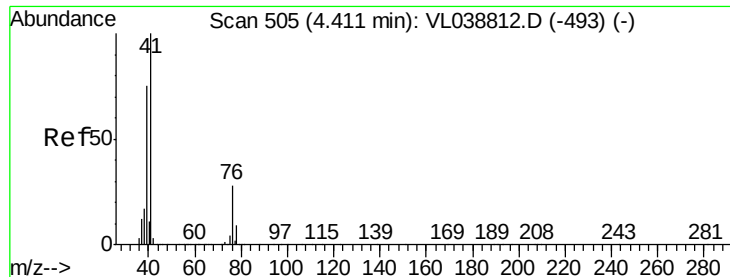
84 100

49 148.3 129.4 194.0

51 43.5 37.4 56.2

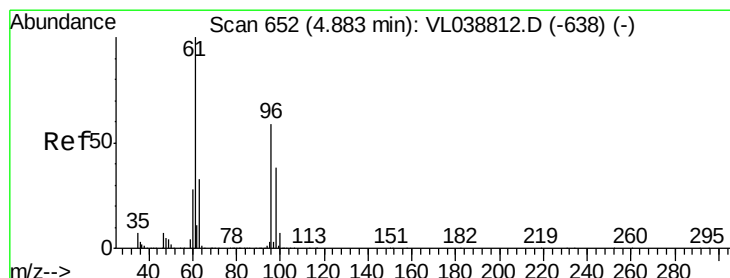
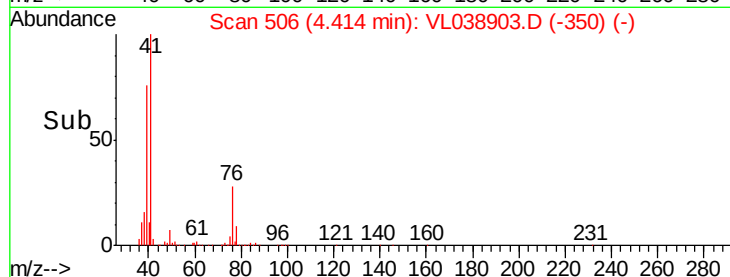
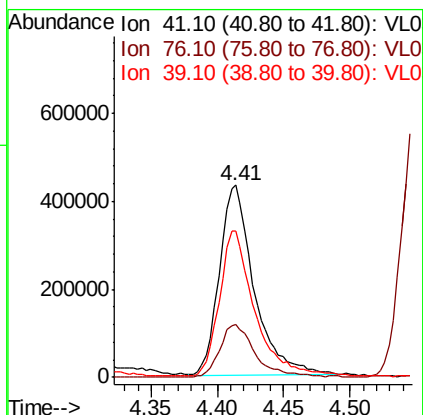
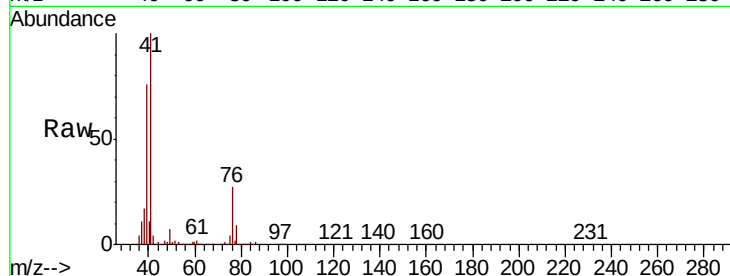
86 62.5 51.4 77.2





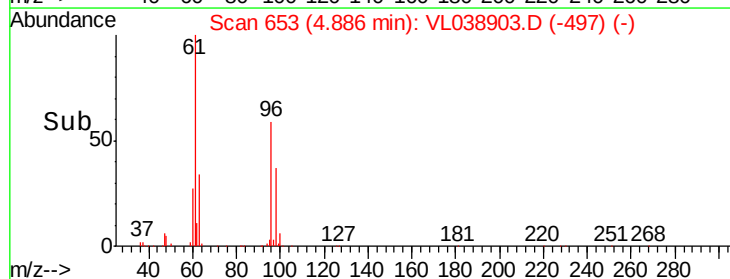
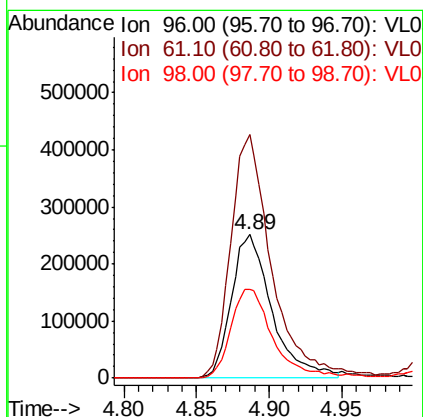
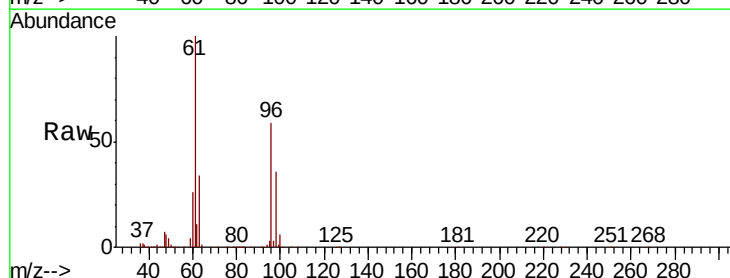
#21
 Allvl Chloride
 Concen: 8.739 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Apr 2022 14:13

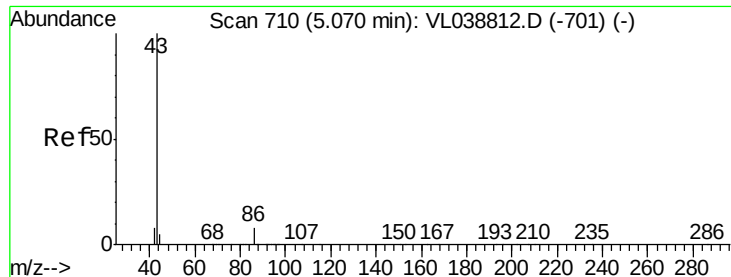
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	23.7	35.5
39	79.5	62.0	93.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.080 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.9	134.8	202.2
98	61.7	51.9	77.9





#23

Vinyl Acetate

Concen: 9.500 ppbv

RT: 5.07 Instrument:

Delta R.T. MSVOA_L

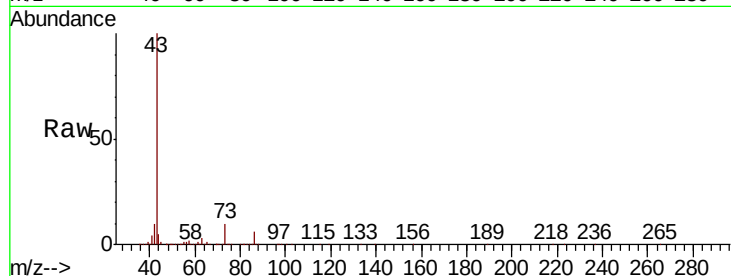
Lab File: ClientSampleId:

VSTDCCC010

Acq: 13 Apr 2022 14:13

Tot Ion: 43 Resp: 1106508

Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.8	8.6
42	9.5	7.8	11.6
44	4.8	3.6	5.4

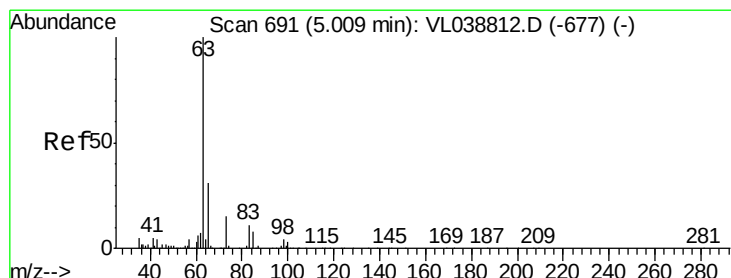
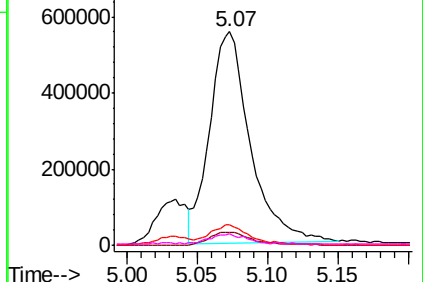
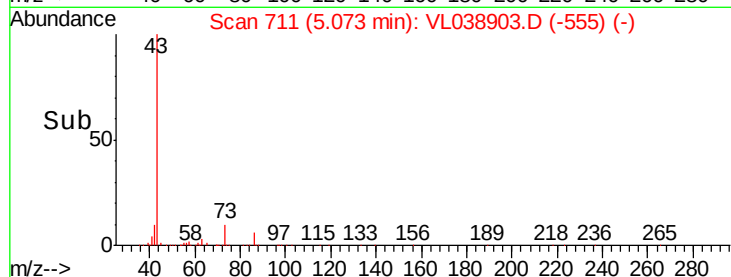


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.224 ppbv

RT: 5.01 min Scan# 692

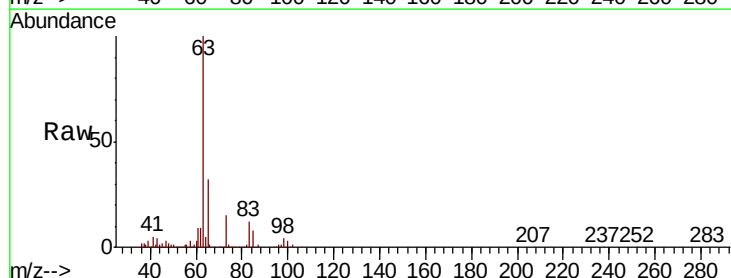
Delta R.T. 0.00 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

Tgt Ion: 63 Resp: 970810

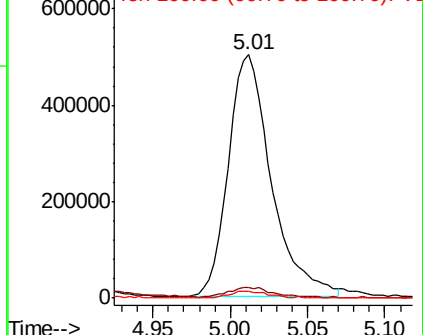
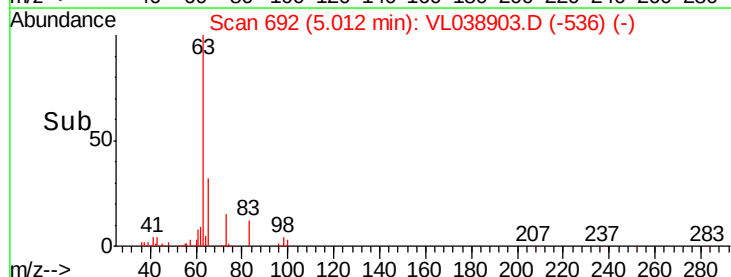
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.2	6.6
100	2.6	1.4	4.0

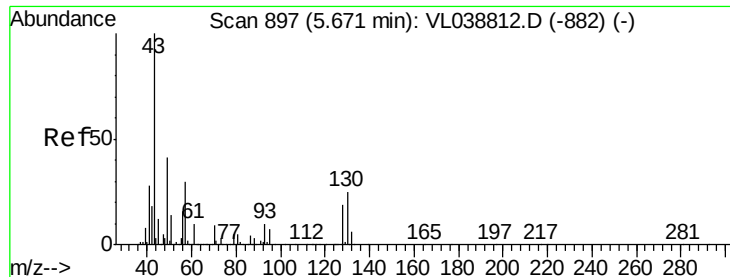


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

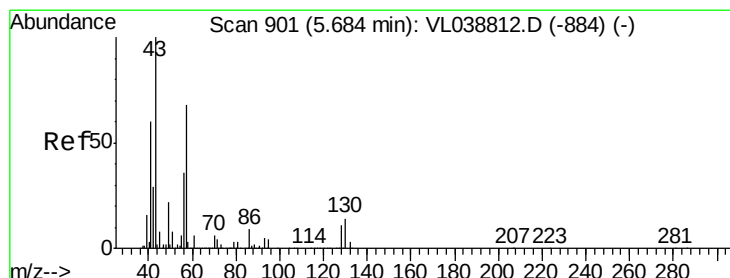
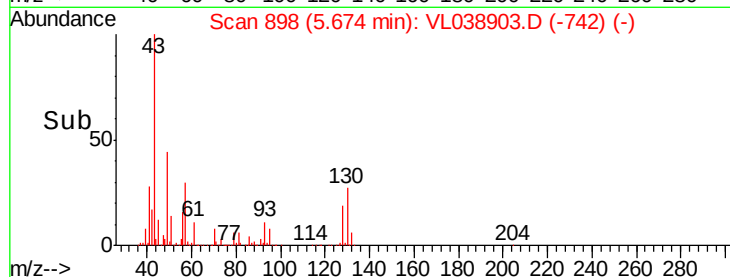
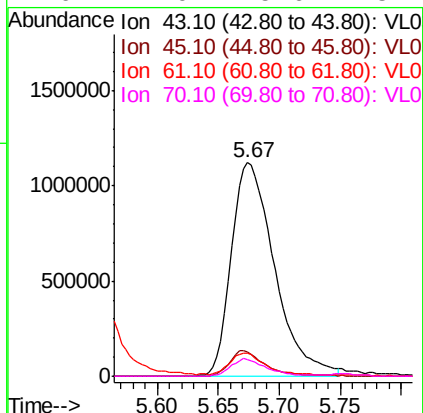
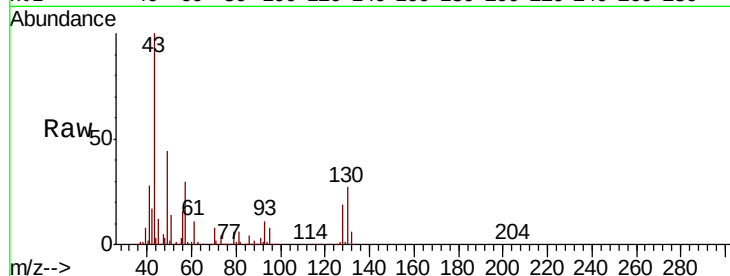




#25
Ethyl Acetate
Concen: 9.060 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2022 14:13

Tot Ion: 43 Resp: 2749267

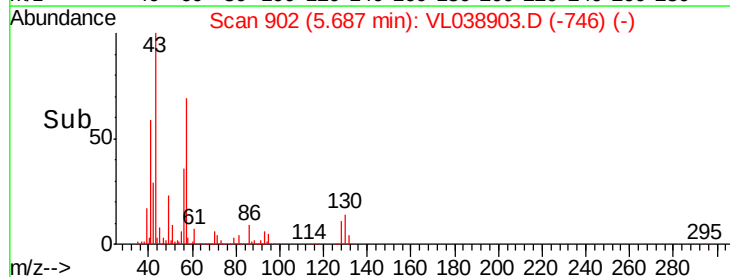
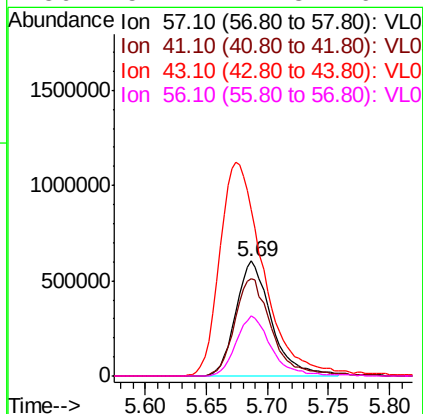
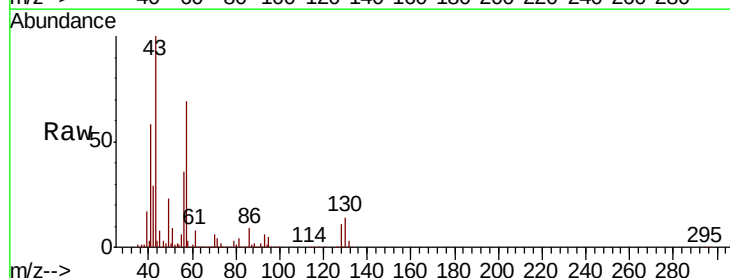
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.4	12.6
61	10.0	7.9	11.9
70	7.0	5.6	8.4

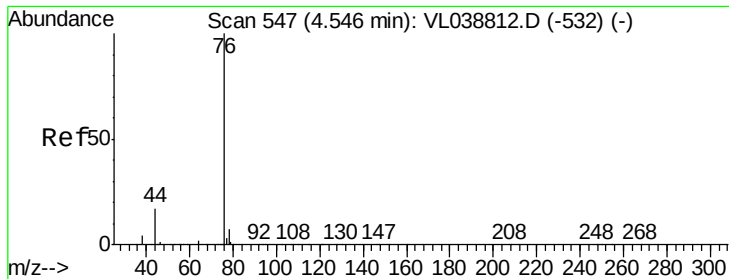


#26
Hexane
Concen: 8.819 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL038903.D
Acq: 13 Apr 2022 14:13

Tgt Ion: 57 Resp: 1218134

Ion	Ratio	Lower	Upper
57	100		
41	88.8	72.0	108.0
43	231.0	186.6	280.0
56	52.4	42.8	64.2

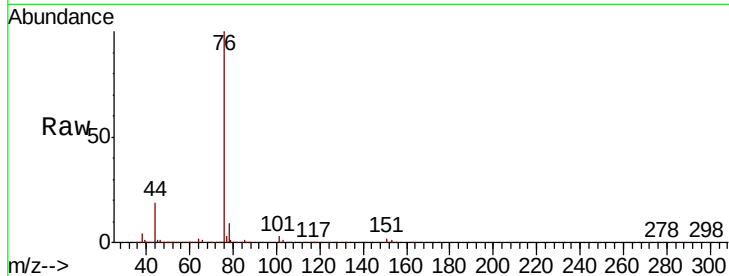




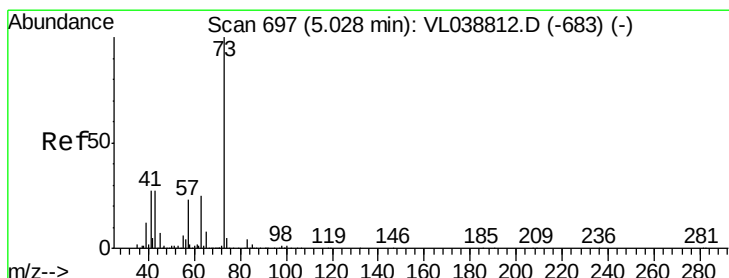
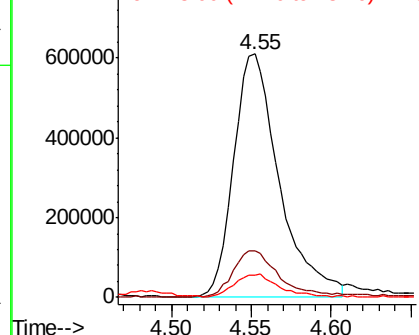
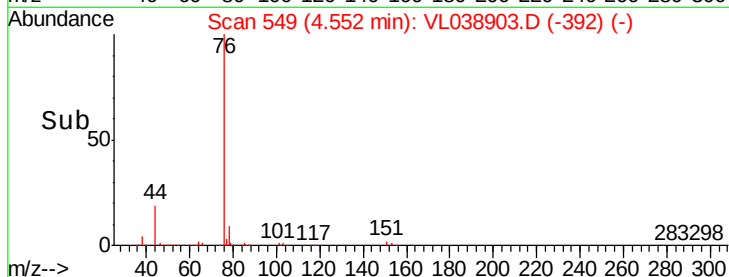
#27
Carbon Disulfide
Concen: 9.322 ppbv
RT: 4.55
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2022 14:13

Tot Ion: 76 Resp: 1180882

Ion	Ratio	Lower	Upper
76	100		
44	19.3	15.7	23.5
78	9.9	7.8	11.8



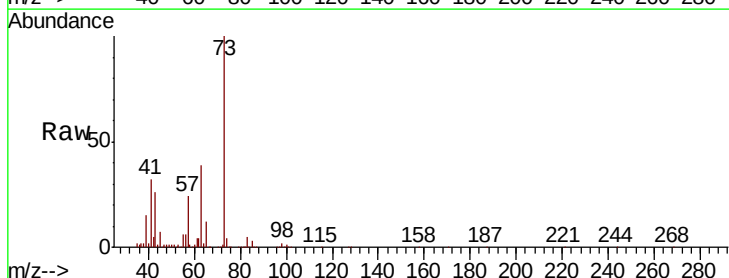
Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



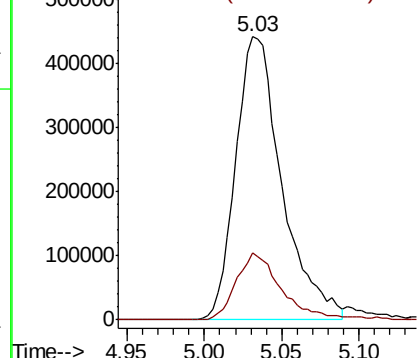
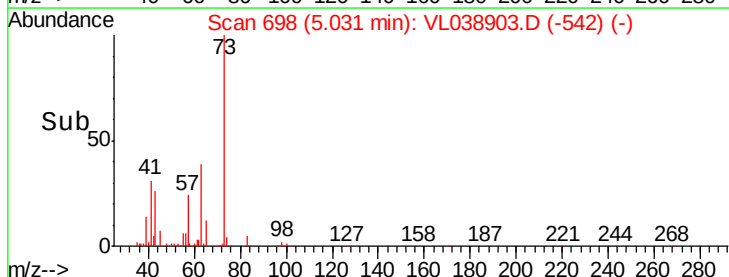
#28
Methyl tert-Butyl Ether
Concen: 8.607 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.00 min
Lab File: VL038903.D
Acq: 13 Apr 2022 14:13

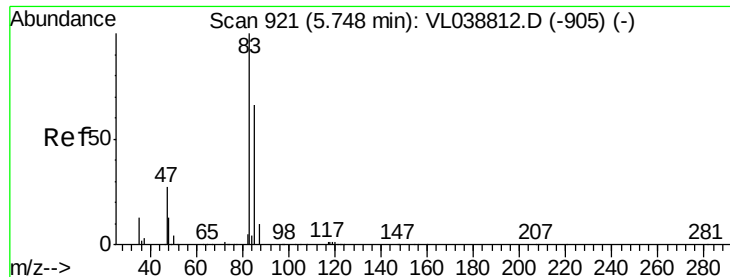
Tgt Ion: 73 Resp: 918217

Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.7	29.5



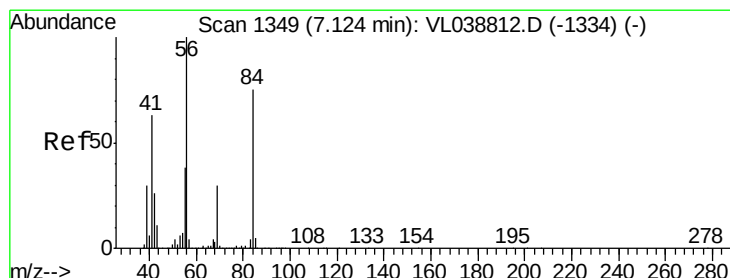
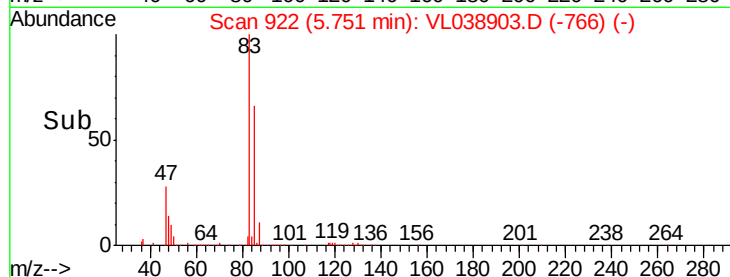
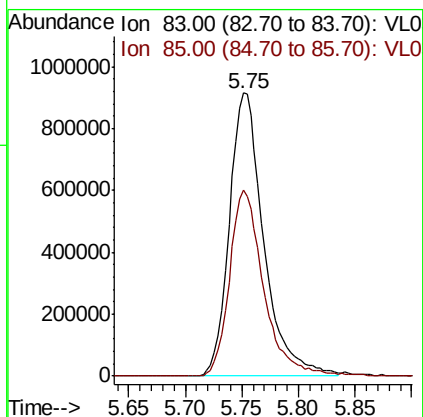
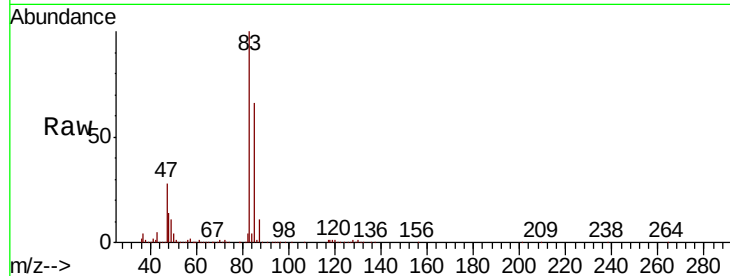
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





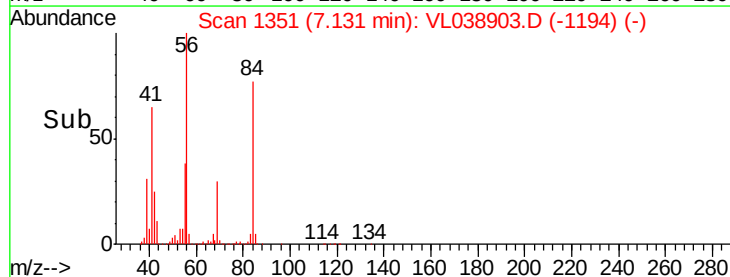
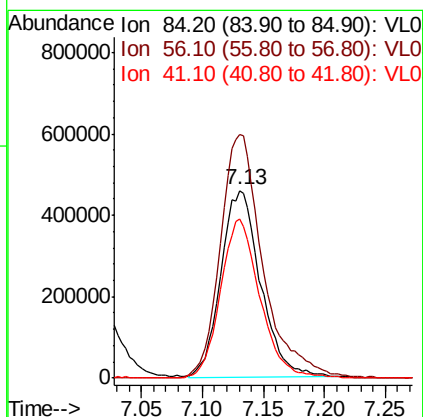
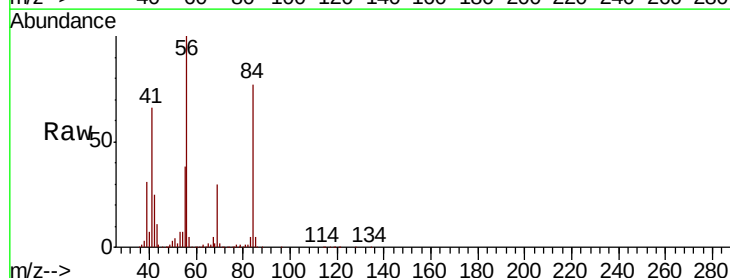
#29
Chloroform
Concen: 10.025 ppbv
RT: 5.75 min
Instrument: MSVOA_1
Delta R.T.: 0.01 min
Lab File: ClientSampleId : VSTDCCC010
Acq: 13 Apr 2022 14:13

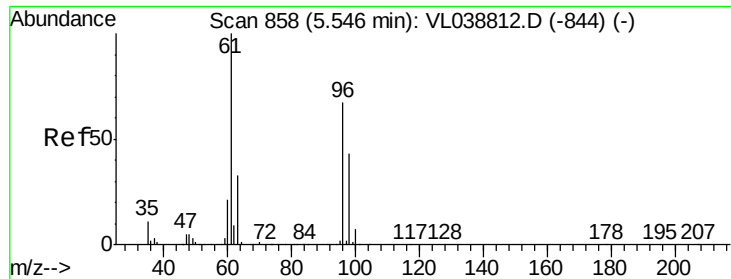
Tot Ion: 83 Resp: 1937466
Ion Ratio Lower Upper
83 100
85 65.8 52.5 78.7



#30
Cyclohexane
Concen: 8.566 ppbv
RT: 7.13 min Scan# 1351
Delta R.T.: 0.01 min
Lab File: VL038903.D
Acq: 13 Apr 2022 14:13

Tgt Ion: 84 Resp: 1042803
Ion Ratio Lower Upper
84 100
56 140.6 114.4 171.6
41 85.2 69.0 103.4





#31

cis-1,2-Dichloroethene

Concen: 9.748 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13 VSTDCCC010

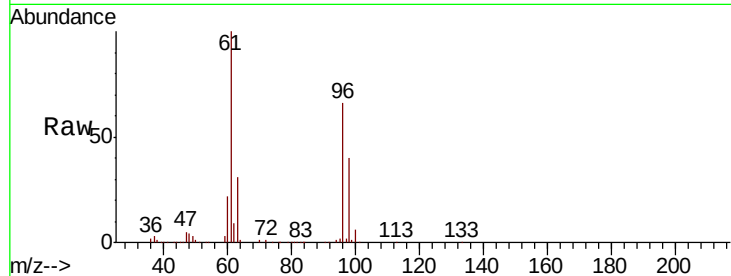
Tot Ion: 61 Resp: 1238103

Ion Ratio Lower Upper

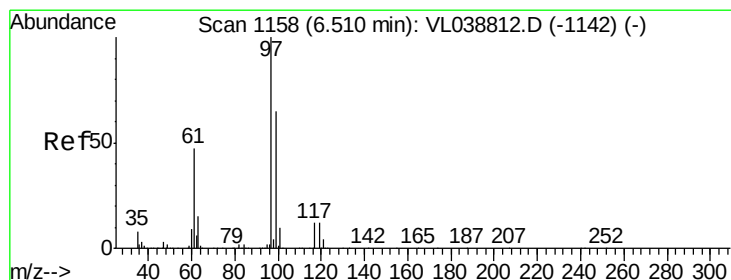
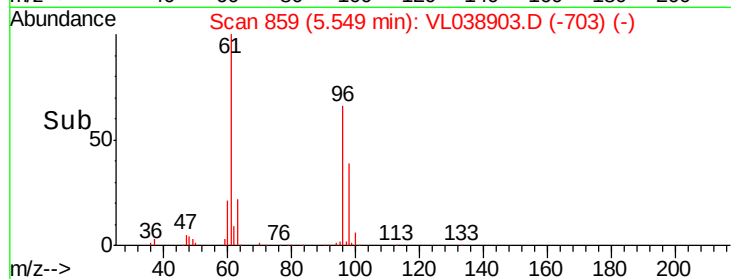
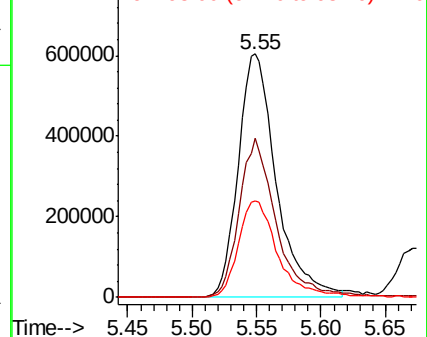
61 100

96 65.5 53.4 80.0

98 39.6 34.2 51.4



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



#32

1,1,1-Trichloroethane

Concen: 9.995 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

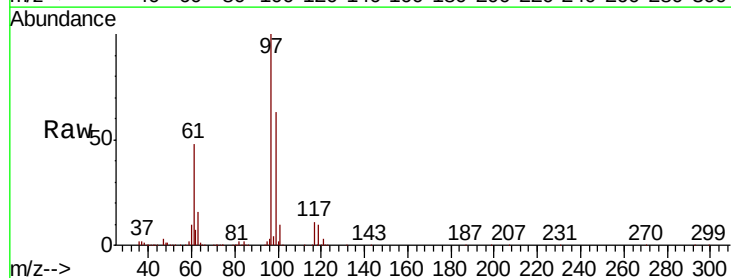
Tgt Ion: 97 Resp: 1946304

Ion Ratio Lower Upper

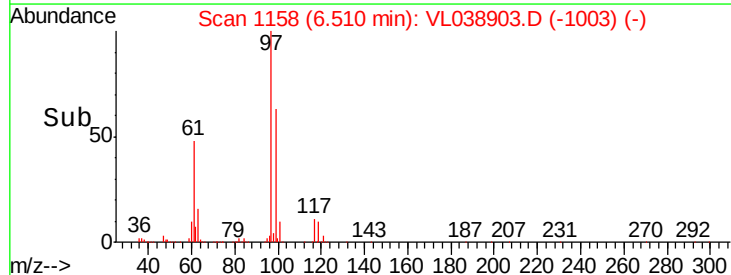
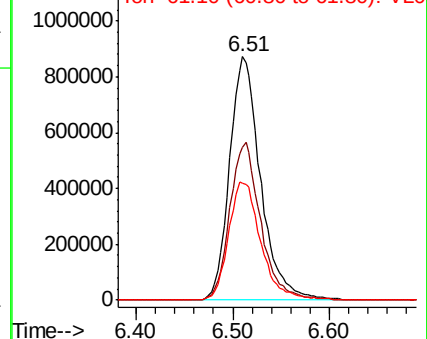
97 100

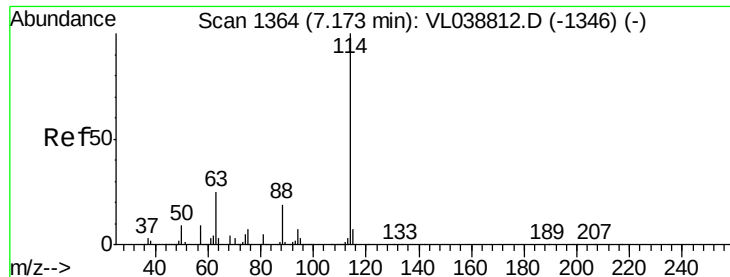
99 64.6 52.4 78.6

61 50.5 38.6 57.8



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 Instrument: MSVOA_L

Delta R.T.

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13 VSTDCCC010

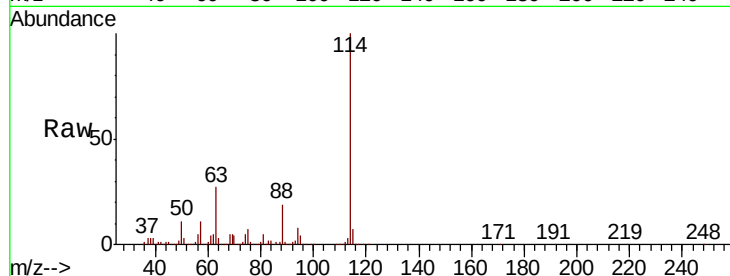
Tot Ion:114 Resp: 3003472

Ion Ratio Lower Upper

114 100

63 27.3 19.8 29.8

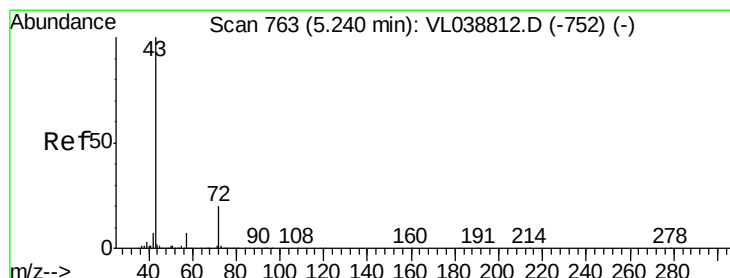
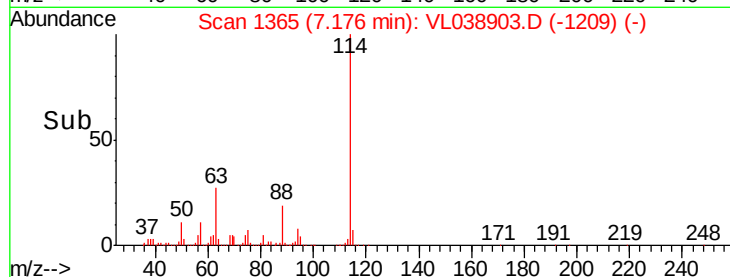
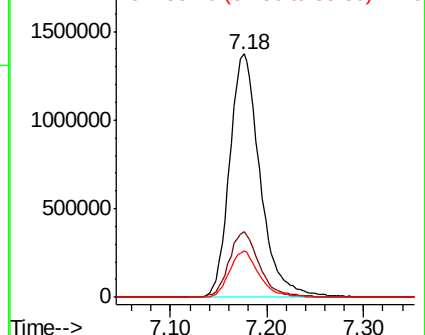
88 18.7 14.2 21.4



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: 10.093 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL038903.D

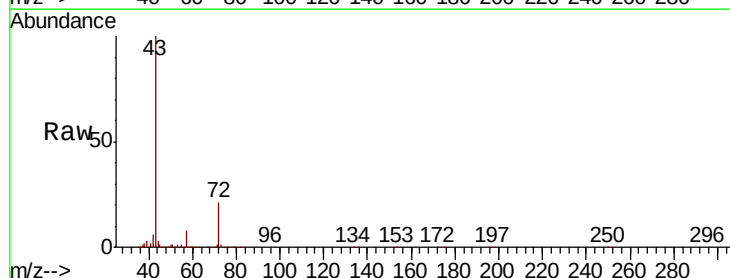
Acq: 13 Apr 2022 14:13

Tgt Ion: 43 Resp: 1197855

Ion Ratio Lower Upper

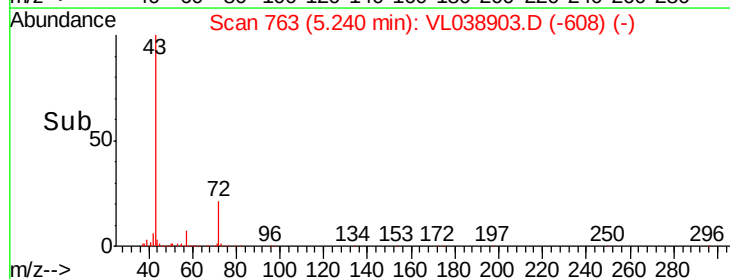
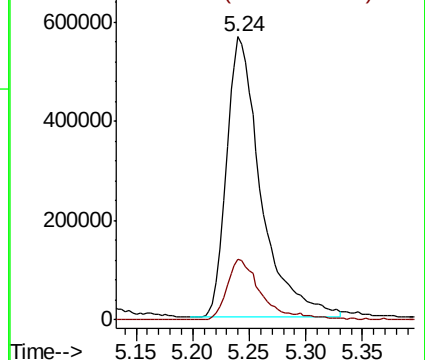
43 100

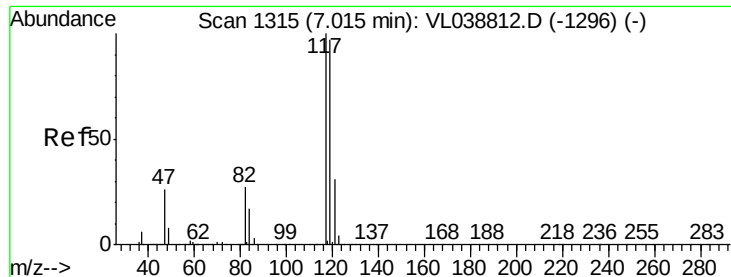
72 22.2 16.9 25.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

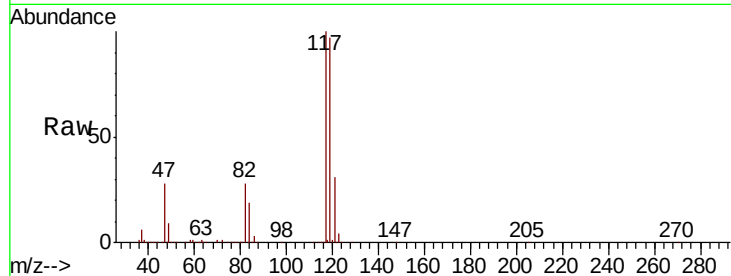




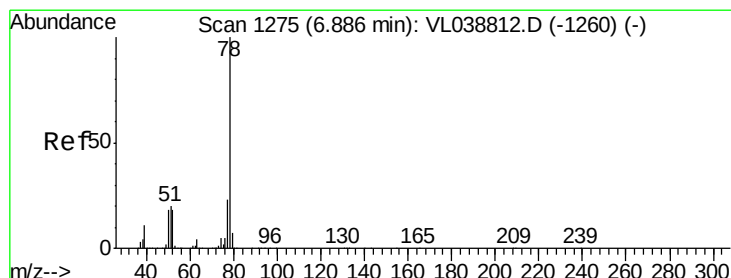
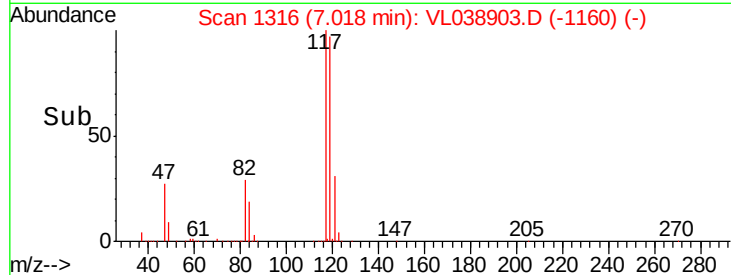
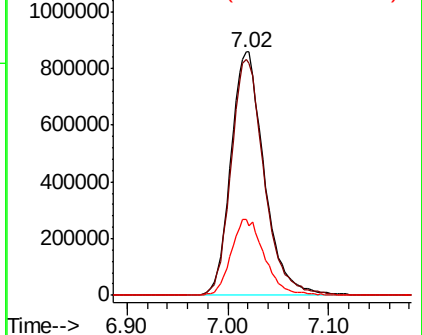
#35
 Carbon Tetrachloride
 Concen: 10.951 ppbv
 RT: 7.02
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2022 14:13

Tot Ion:117 Resp: 1971799

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.7	116.5
121	31.2	24.5	36.7



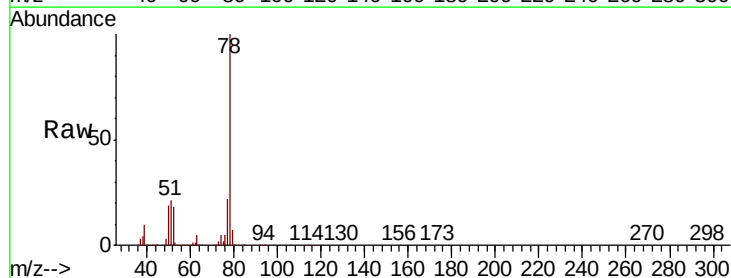
Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V



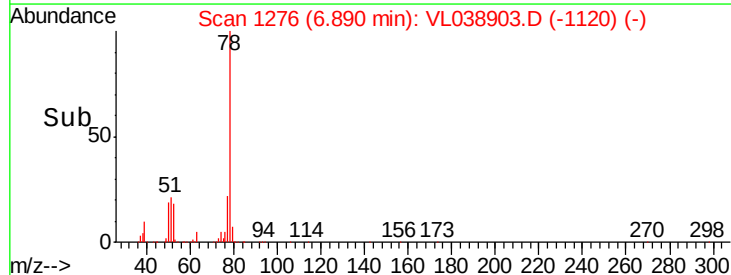
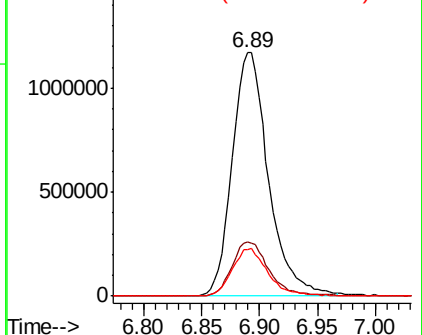
#36
 Benzene
 Concen: 9.309 ppbv
 RT: 6.89 min Scan# 1276
 Delta R.T.: 0.00 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

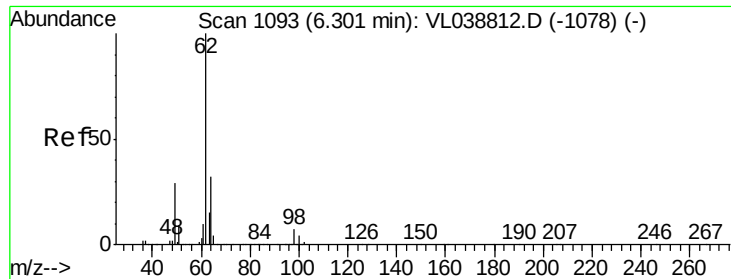
Tgt Ion: 78 Resp: 2543614

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.2	27.2
50	19.1	14.0	21.0



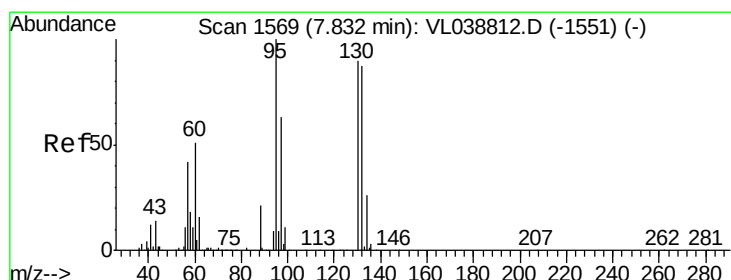
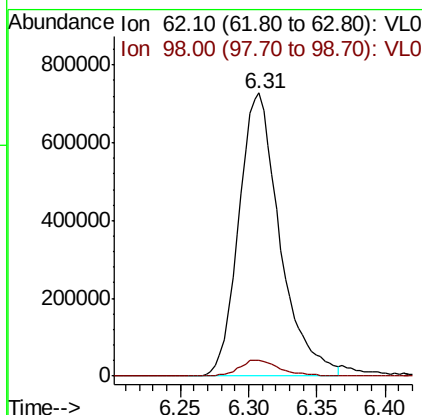
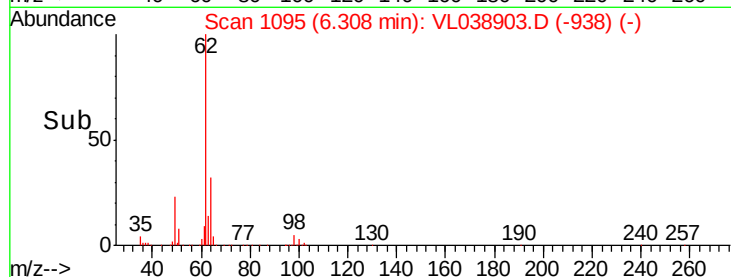
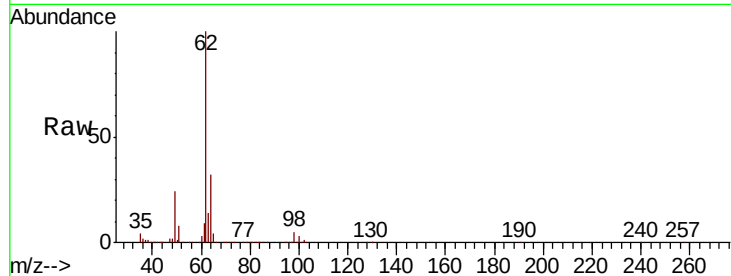
Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





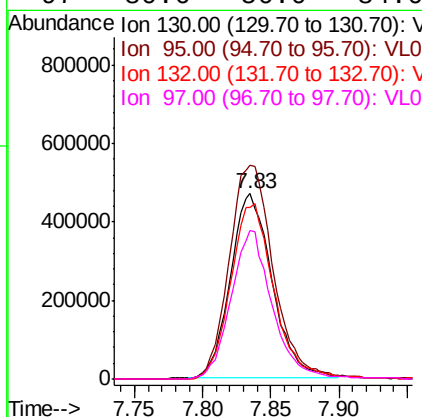
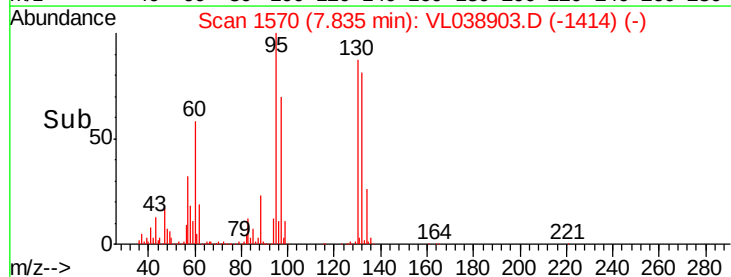
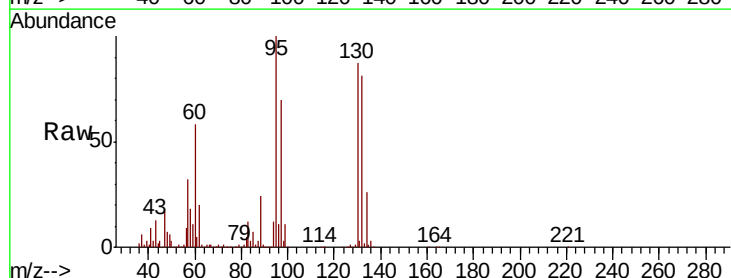
#37
 1,2-Dichloroethane
 Concen: 12.176 ppbv
 RT: 6.31
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Apr 2022 14:13

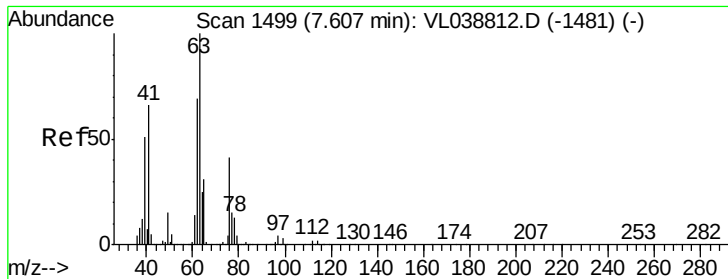
Tot Ion: 62 Resp: 1521069
 Ion Ratio Lower Upper
 62 100
 98 5.8 5.9 8.9#



#38
 Trichloroethene
 Concen: 8.911 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

Tgt Ion: 130 Resp: 999015
 Ion Ratio Lower Upper
 130 100
 95 115.8 89.4 134.0
 132 93.5 77.7 116.5
 97 80.6 56.0 84.0





#39

1,2-Dichloropropane

Concen: 9.677 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13 VSTDCCC010

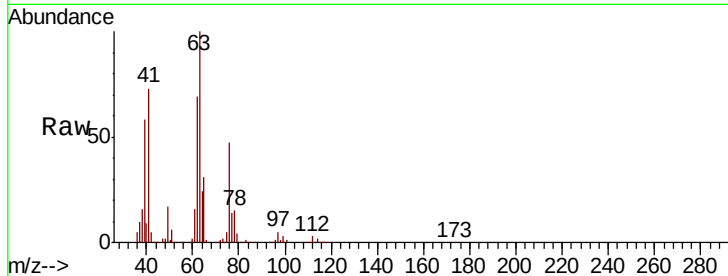
Tot Ion: 63 Resp: 1011336

Ion Ratio Lower Upper

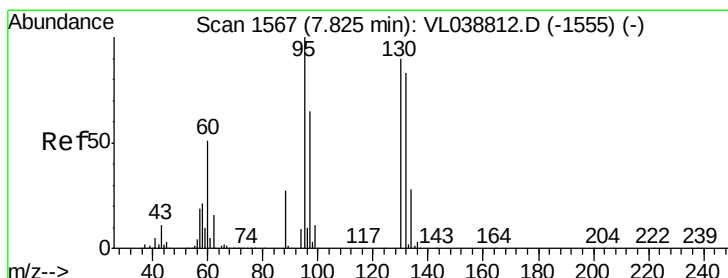
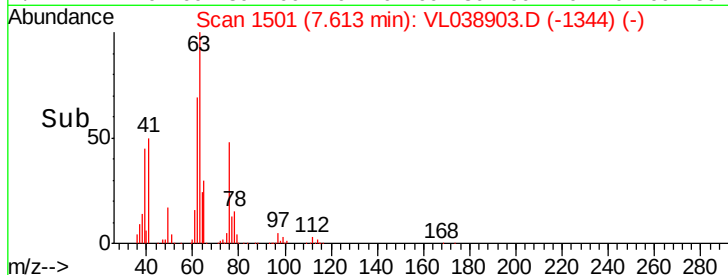
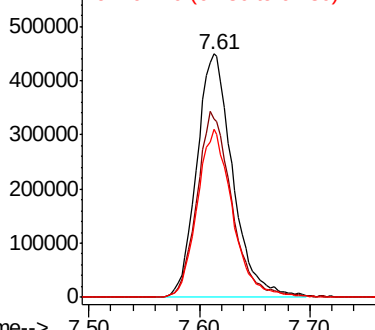
63 100

41 73.1 53.0 79.6

62 69.0 55.0 82.4



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



#40

1,4-Dioxane

Concen: 9.542 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

Tgt Ion: 88 Resp: 338635

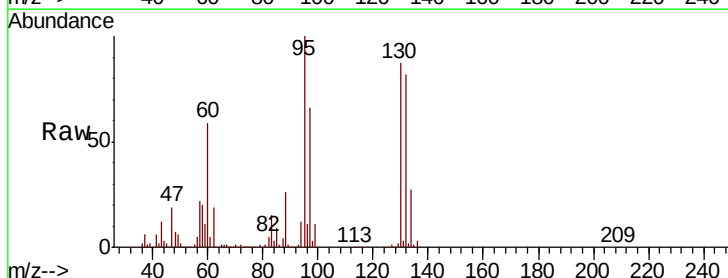
Ion Ratio Lower Upper

88 100

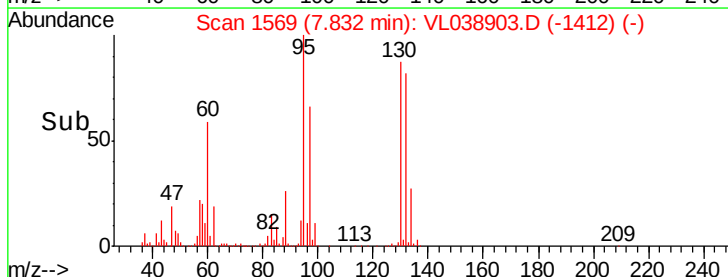
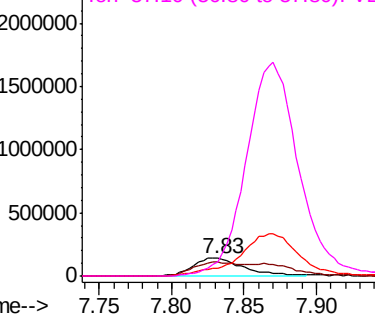
58 136.5 49.4 74.0#

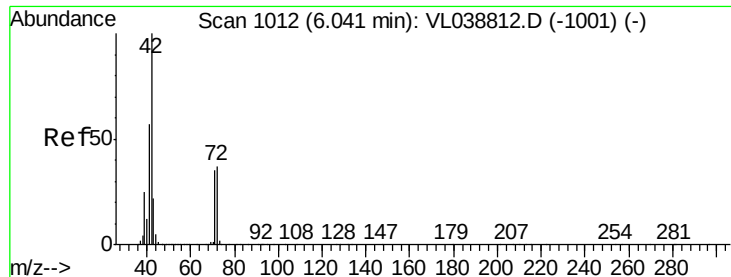
43 287.0 0.0 0.0#

57 1275.3 0.0 0.0#



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





#41

Tetrahydrofuran

Concen: 9.366 ppbv

RT: 6.05

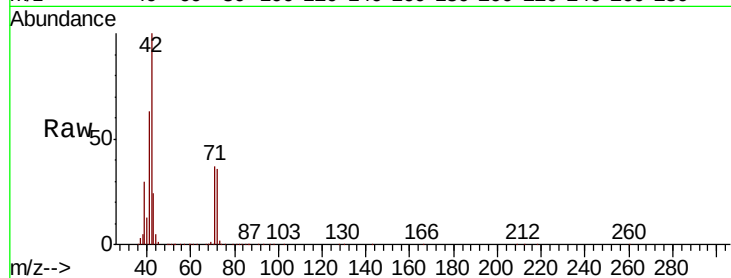
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13

Tot Ion: 42 Resp: 1055713

Ion	Ratio	Lower	Upper
42	100		
72	39.9	31.4	47.0
71	38.2	30.2	45.4

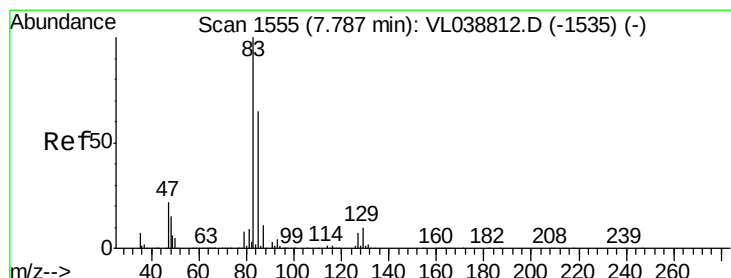
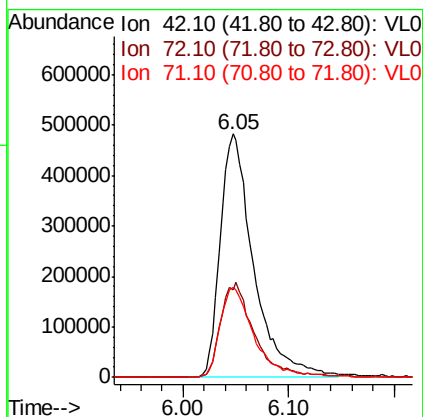
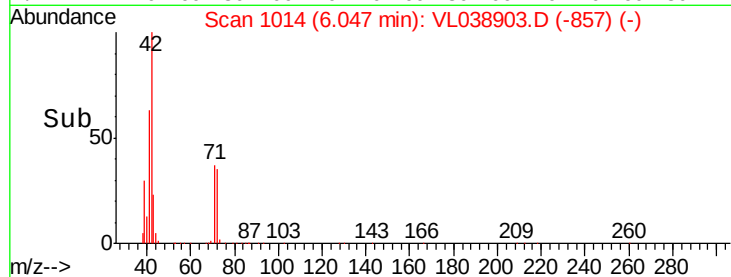


Abundance

Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.977 ppbv

RT: 7.79 min Scan# 1556

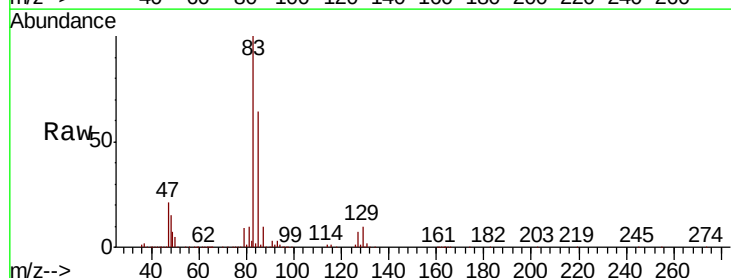
Delta R.T. 0.00 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

Tgt Ion: 83 Resp: 2165416

Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.7	77.5
127	7.5	5.9	8.9

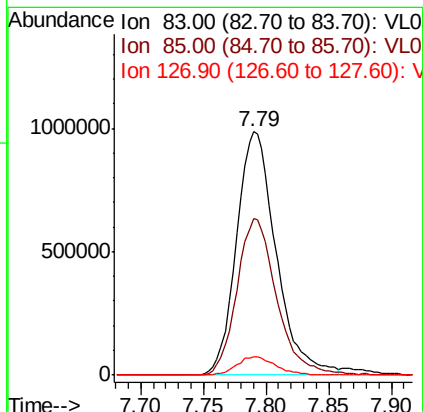
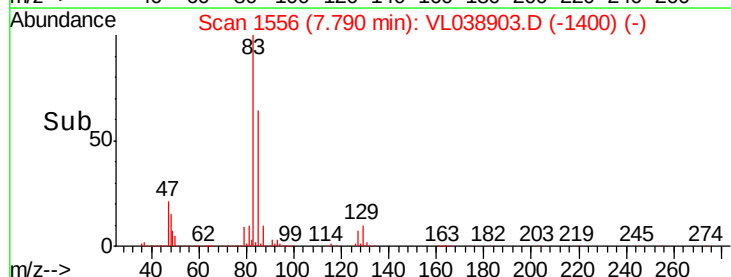


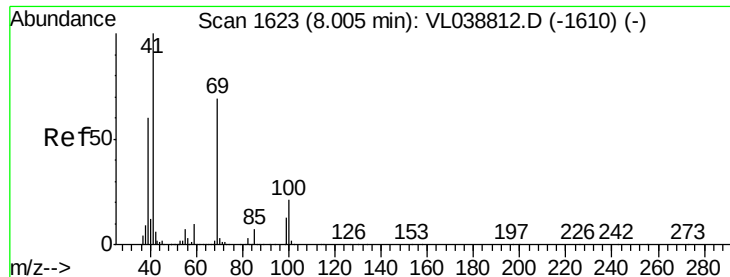
Abundance

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): VL0





#43

Methyl Methacrylate

Concen: 9.954 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13 VSTDCCC010

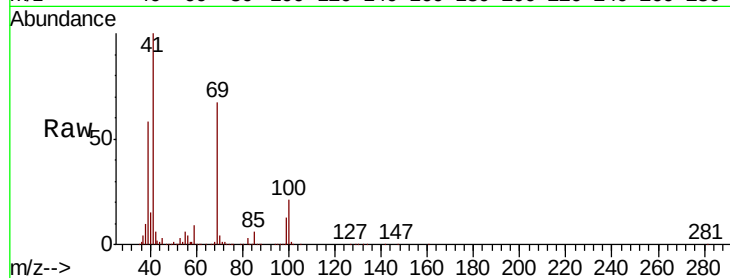
Tot Ion: 69 Resp: 1041685

Ion Ratio Lower Upper

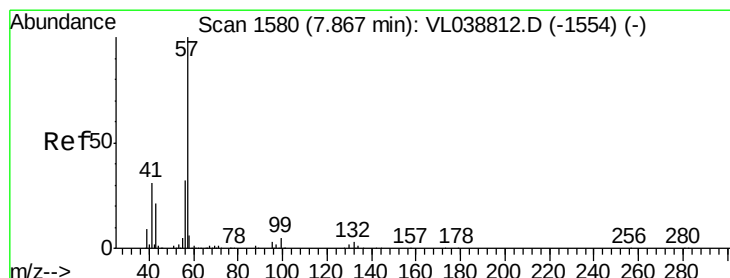
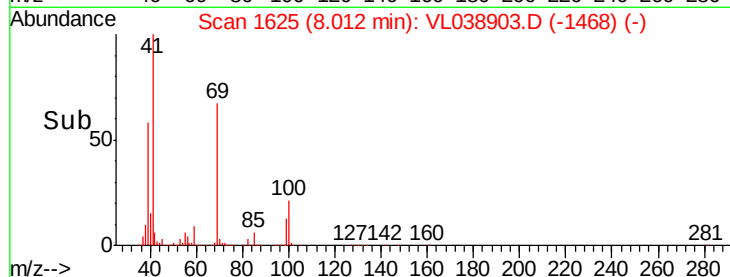
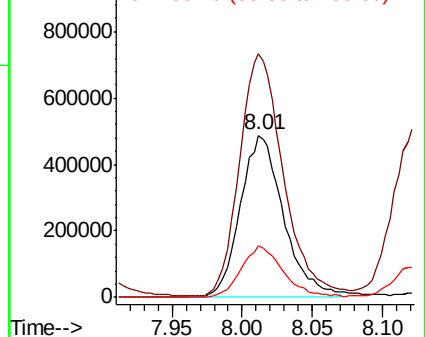
69 100

41 154.3 119.0 178.4

100 31.4 26.4 39.6



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: 9.323 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

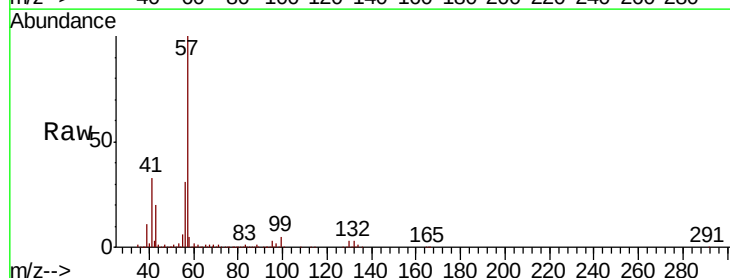
Tgt Ion: 57 Resp: 4312917

Ion Ratio Lower Upper

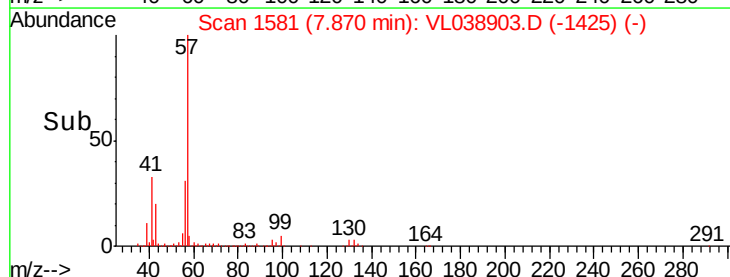
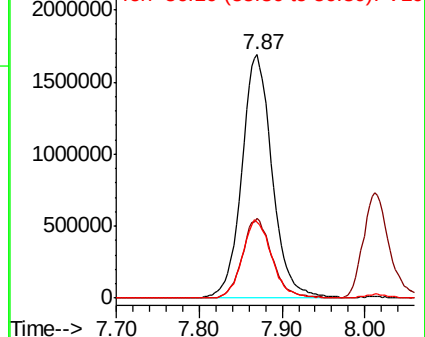
57 100

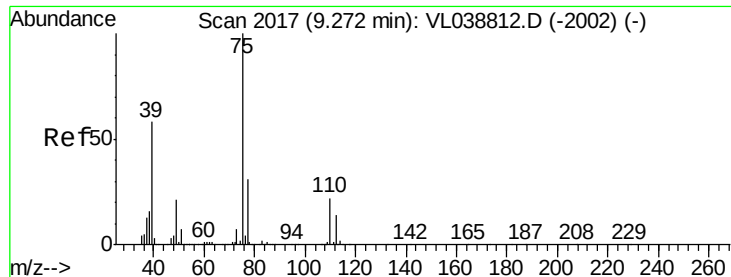
41 31.9 25.0 37.4

56 31.1 25.3 37.9



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





#45

t-1,3-Dichloropropene

Concen: 10.538 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

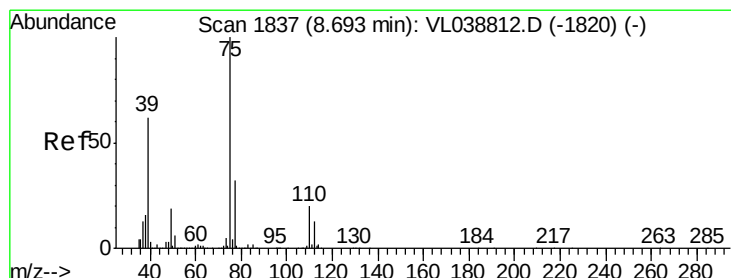
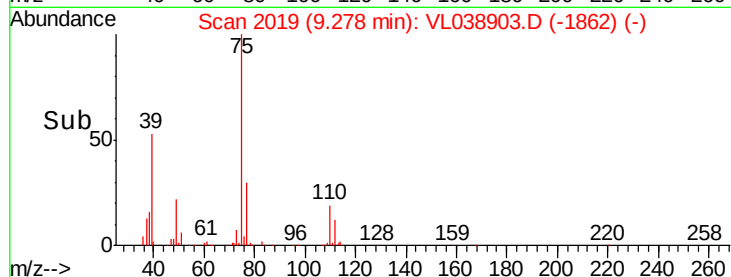
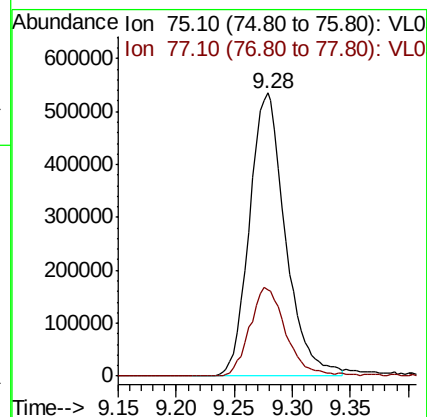
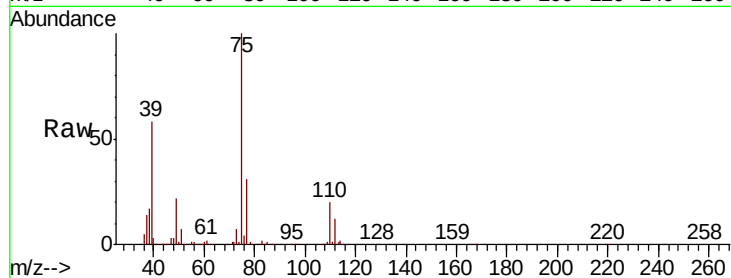
Acq: 13 Apr 2022 14:13 VSTDCCC010

Tot Ion: 75 Resp: 1153136

Ion Ratio Lower Upper

75 100

77 30.6 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 9.912 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

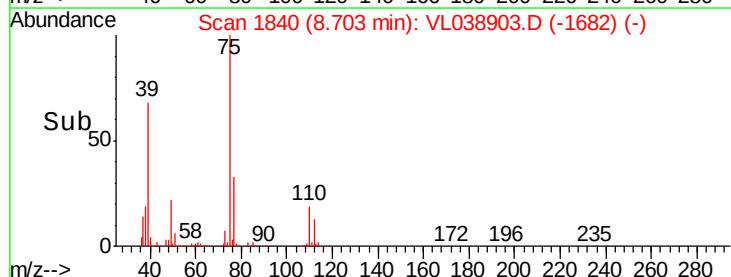
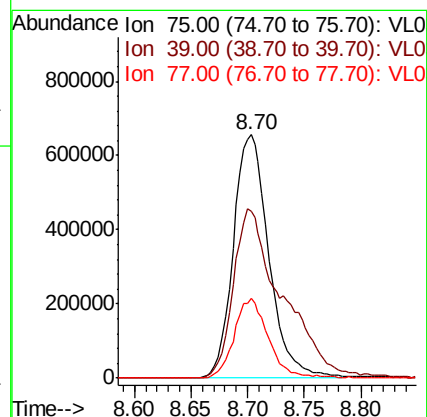
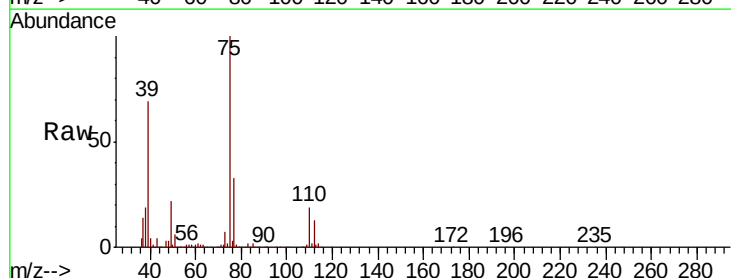
Tgt Ion: 75 Resp: 1430018

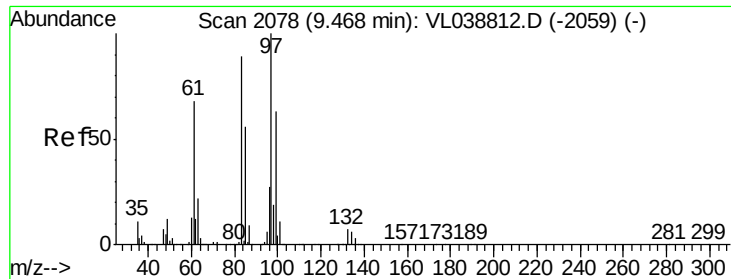
Ion Ratio Lower Upper

75 100

39 68.5 49.7 74.5

77 32.7 25.6 38.4





#47

1,1,2-Trichloroethane

Concen: 9.688 ppbv

RT: 9.47 Instrument:

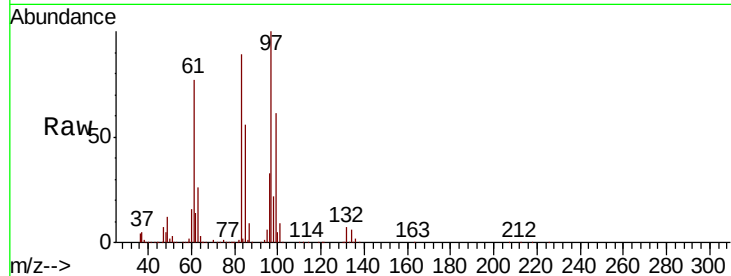
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13 VSTDCCC010

Tot Ion: 97 Resp: 1037473

Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.1	106.7
85	55.8	45.1	67.7
99	61.3	50.8	76.2

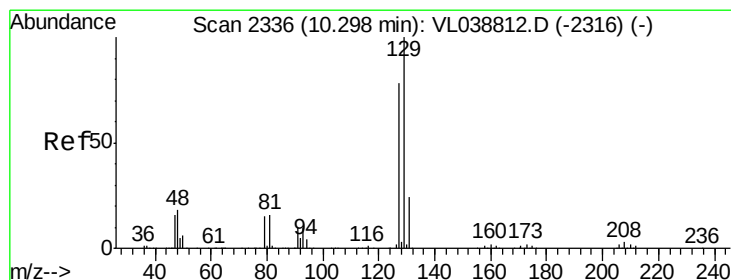
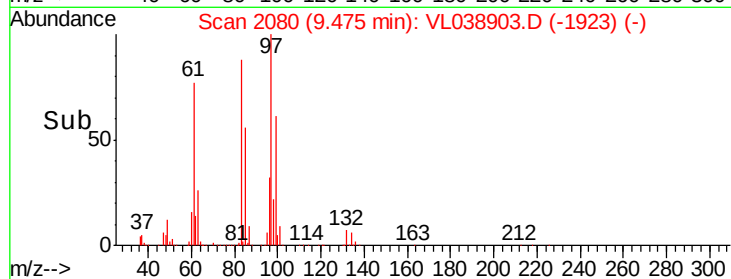
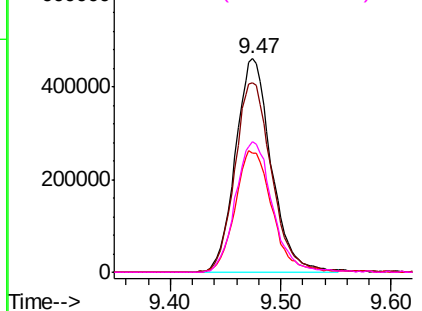


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.412 ppbv

RT: 10.30 min Scan# 2337

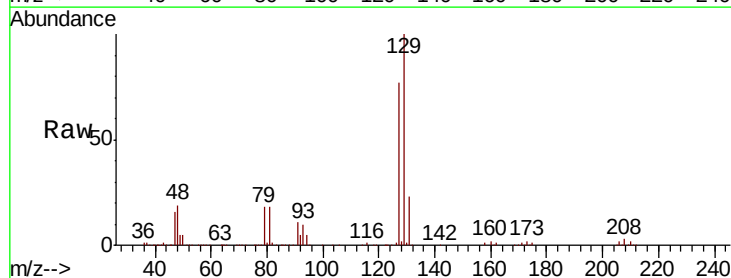
Delta R.T. 0.00 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

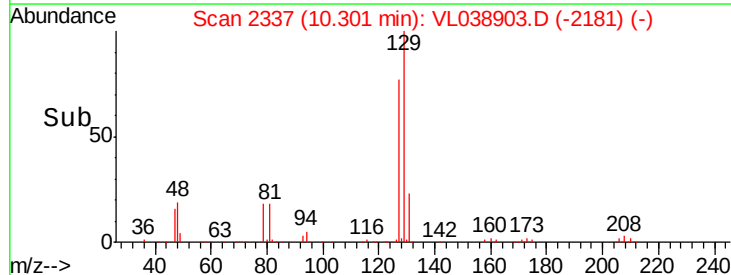
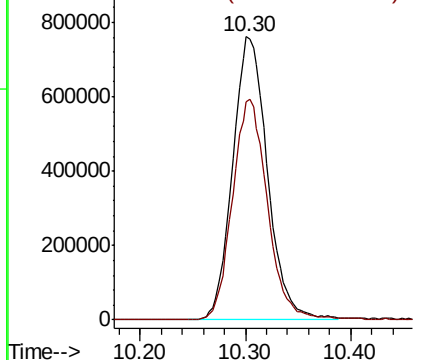
Tgt Ion: 129 Resp: 1747599

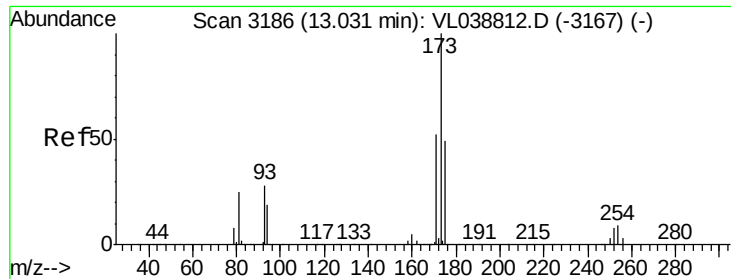
Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.9	116.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.569 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2022 14:13

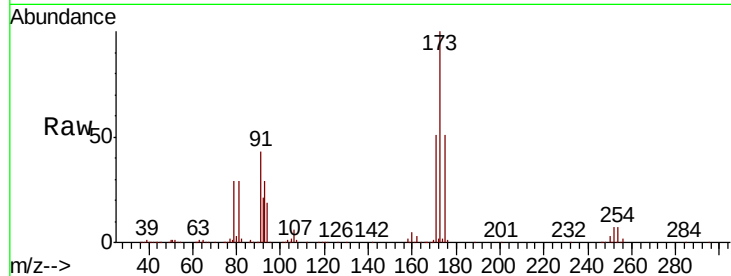
Tot Ion:173 Resp: 1404981

Ion Ratio Lower Upper

173 100

175 50.8 39.9 59.9

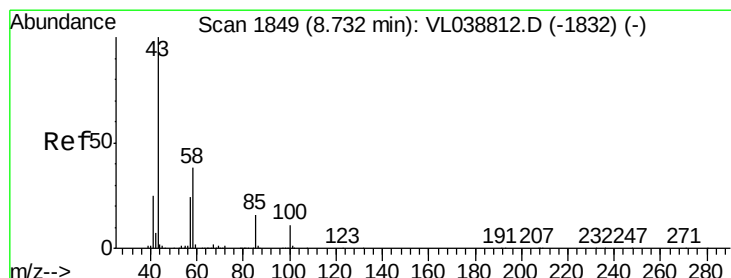
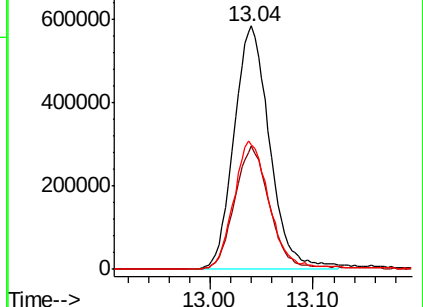
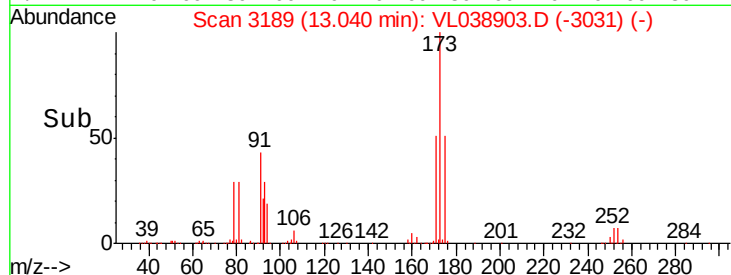
171 53.8 43.4 65.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.876 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. 0.01 min

Lab File: VL038903.D

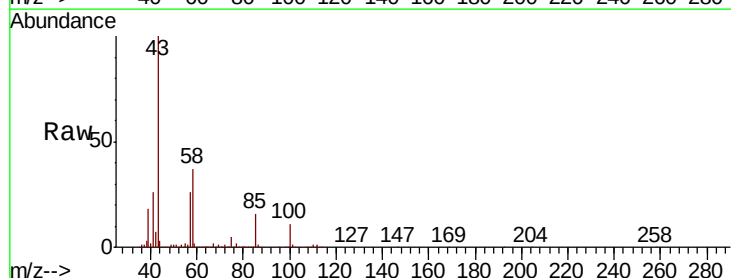
Acq: 13 Apr 2022 14:13

Tgt Ion: 43 Resp: 2636374

Ion Ratio Lower Upper

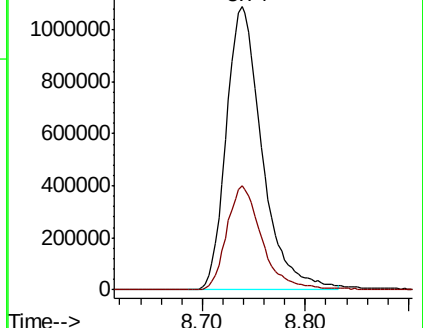
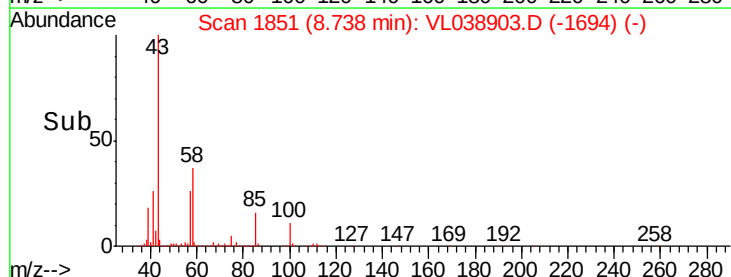
43 100

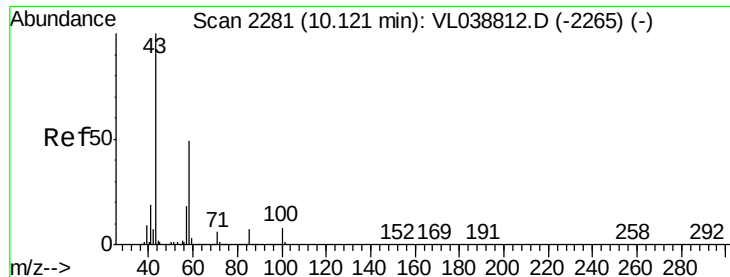
58 36.5 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.330 ppbv

RT: 10.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13

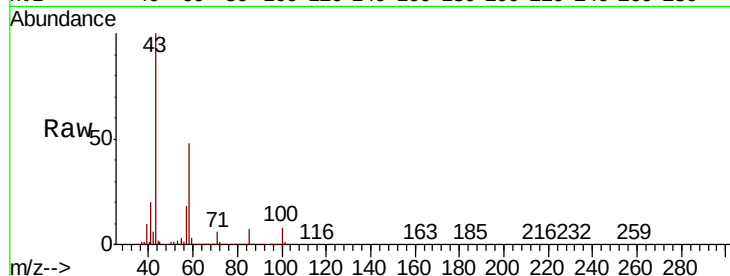
Tot Ion: 43 Resp: 2077811

Ion Ratio Lower Upper

43 100

58 49.9 41.4 62.0

98 0.1 0.1 0.1

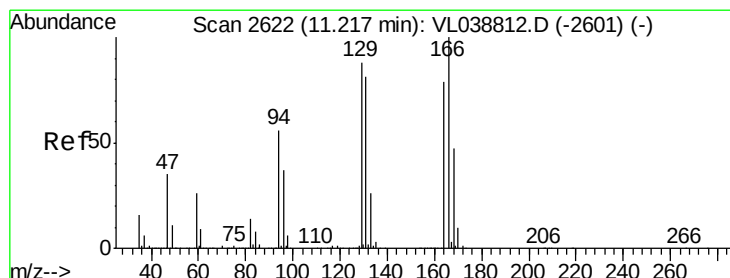
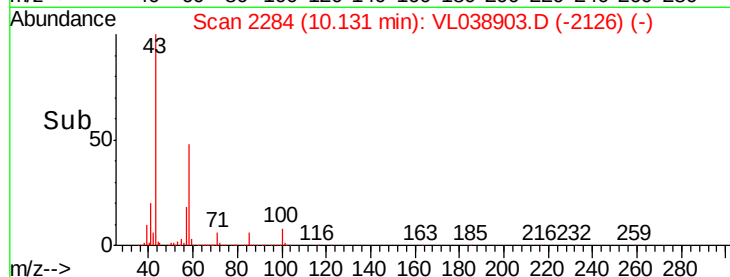
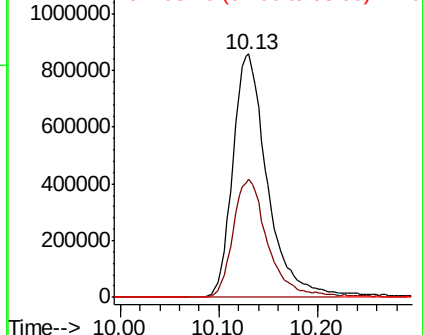


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.912 ppbv

RT: 11.22 min Scan# 2623

Delta R.T. 0.00 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

Tgt Ion:164 Resp: 850515

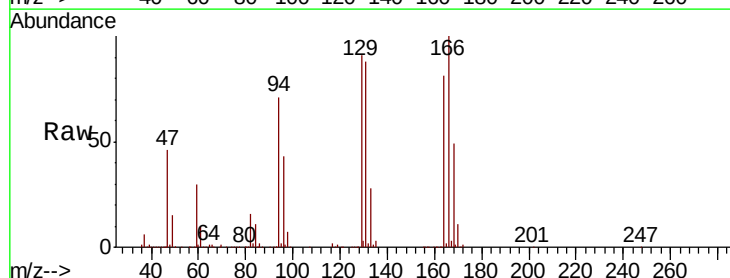
Ion Ratio Lower Upper

164 100

166 123.8 101.0 151.6

129 112.3 88.7 133.1

131 109.7 81.8 122.6



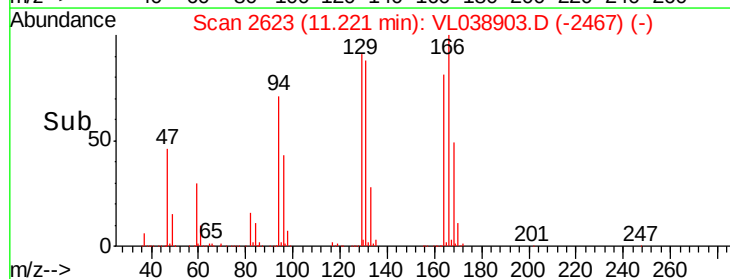
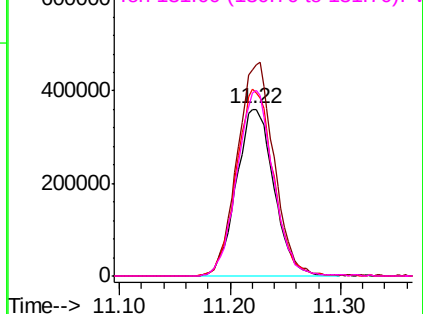
Abundance

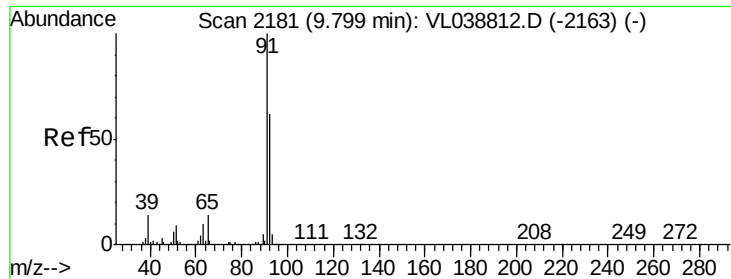
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.244 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

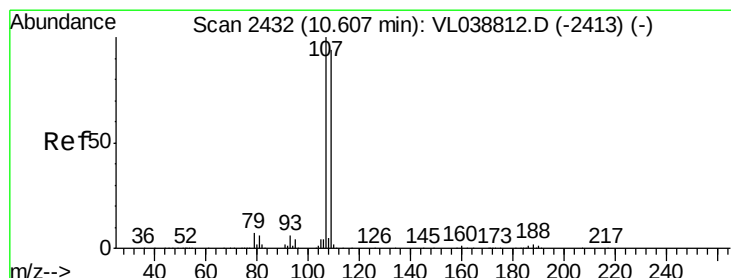
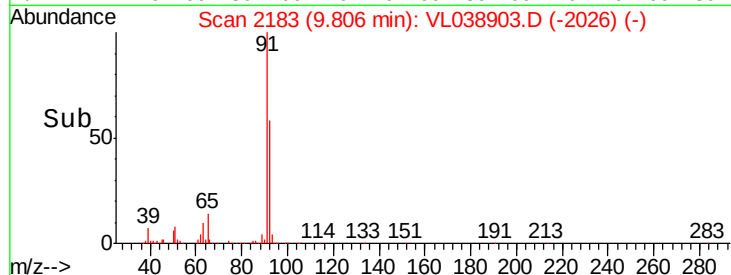
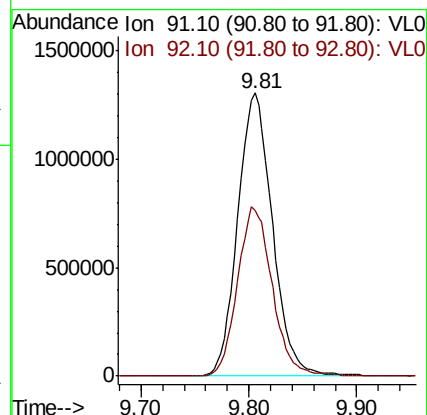
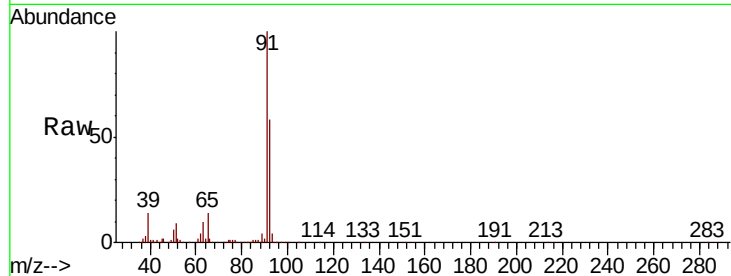
Acq: 13 Apr 2022 14:13 VSTDCCC010

Tot Ion: 91 Resp: 2915696

Ion Ratio Lower Upper

91 100

92 60.1 49.2 73.8



#54

1,2-Dibromoethane

Concen: 10.012 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.00 min

Lab File: VL038903.D

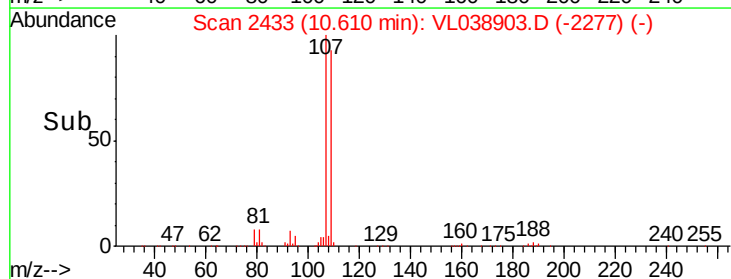
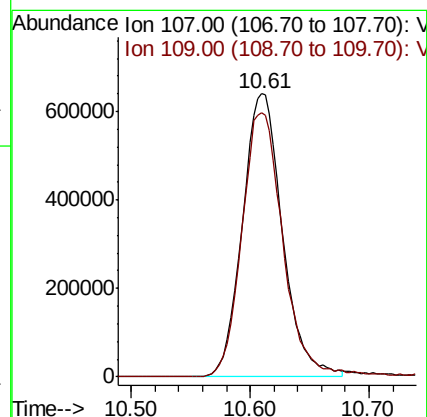
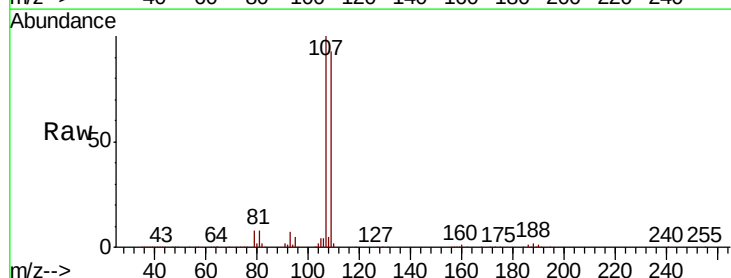
Acq: 13 Apr 2022 14:13

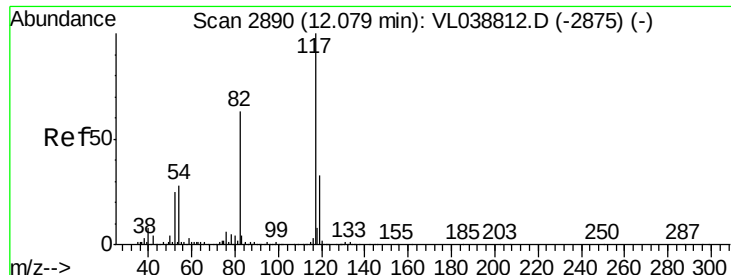
Tgt Ion: 107 Resp: 1489297

Ion Ratio Lower Upper

107 100

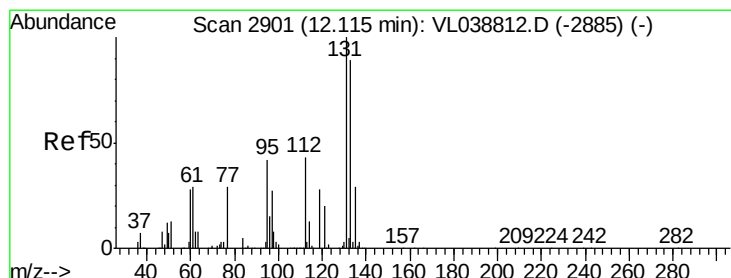
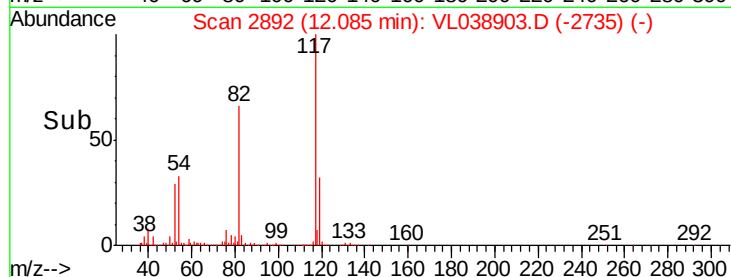
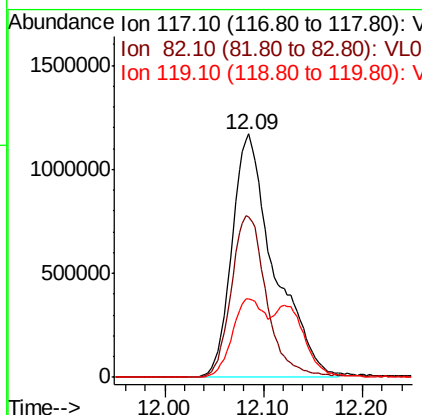
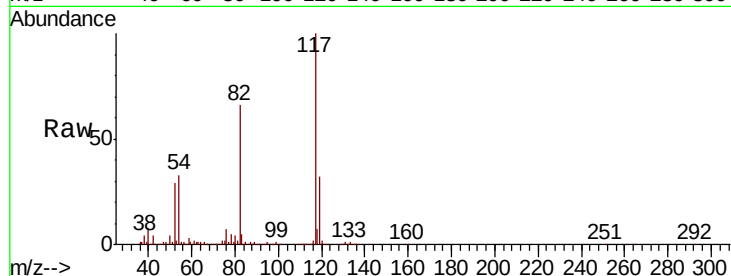
109 93.4 75.5 113.3





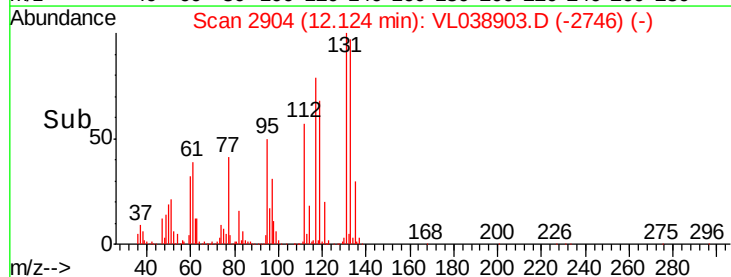
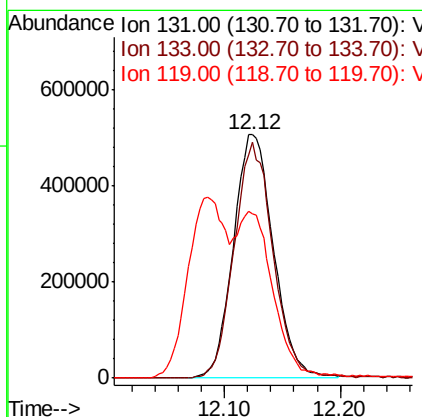
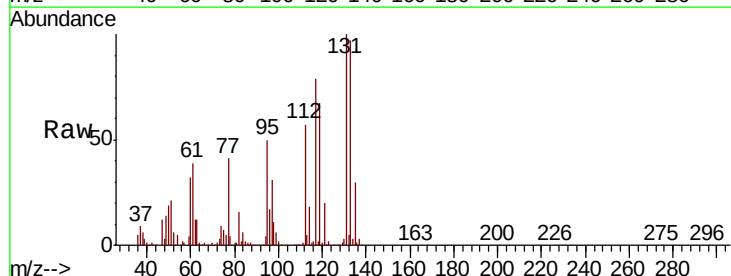
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2022 14:13

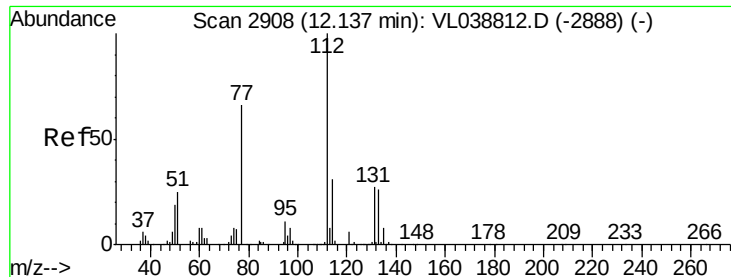
Tot Ion:117 Resp: 3482101
Ion Ratio Lower Upper
117 100
82 56.8 53.0 79.6
119 24.6 24.9 37.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.914 ppbv
RT: 12.12 min Scan# 2904
Delta R.T.: 0.01 min
Lab File: VL038903.D
Acq: 13 Apr 2022 14:13

Tgt Ion:131 Resp: 1207686
Ion Ratio Lower Upper
131 100
133 95.5 78.2 117.4
119 56.1 58.6 87.8#





#57

Chlorobenzene

Concen: 7.115 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13

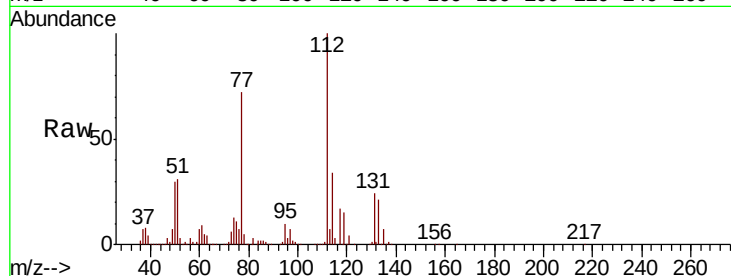
Tot Ion: 112 Resp: 2028970

Ion Ratio Lower Upper

112 100

77 70.8 52.4 78.6

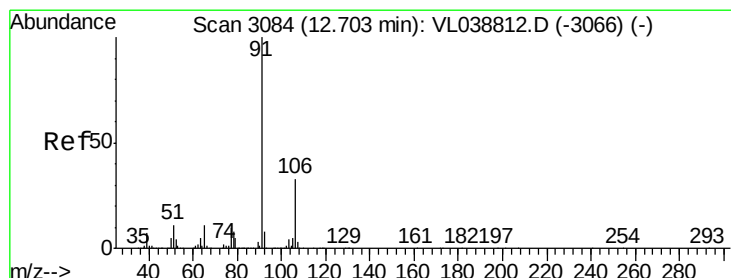
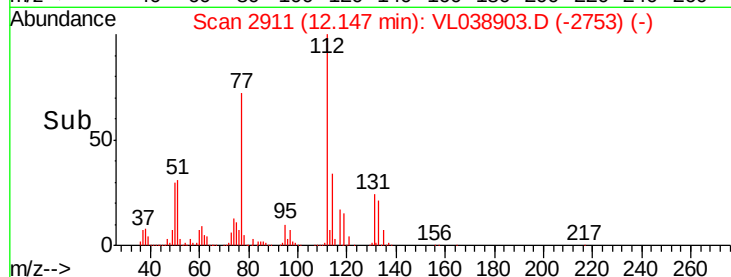
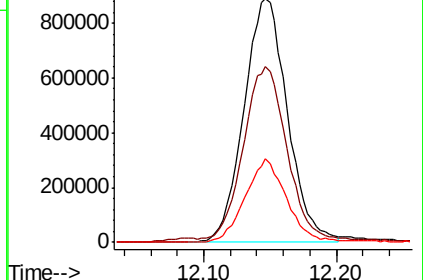
114 34.5 28.1 34.3#



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: 7.565 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. 0.01 min

Lab File: VL038903.D

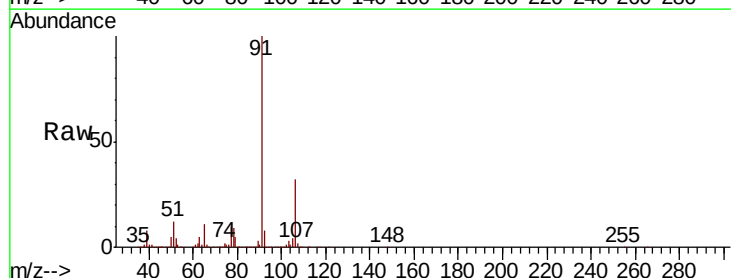
Acq: 13 Apr 2022 14:13

Tgt Ion: 91 Resp: 3936279

Ion Ratio Lower Upper

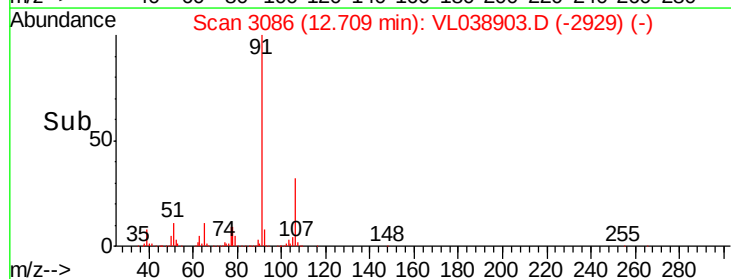
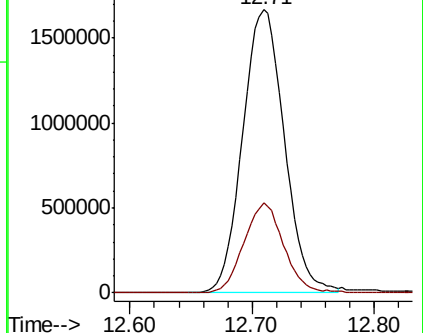
91 100

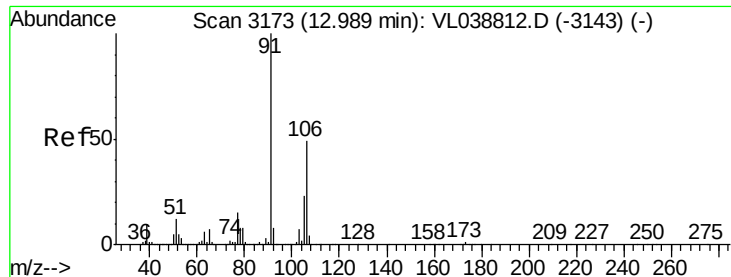
106 31.7 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

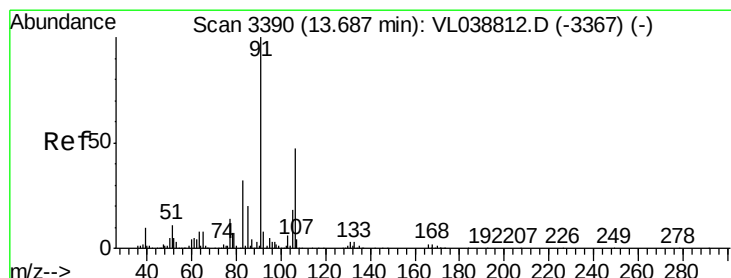
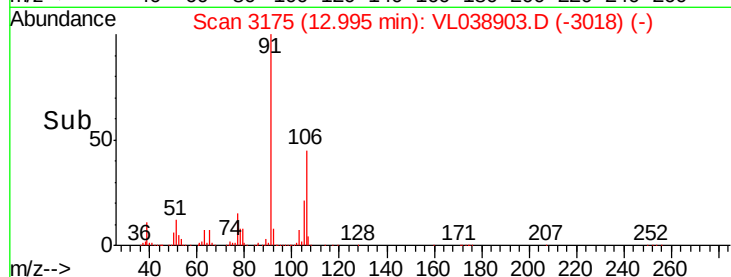
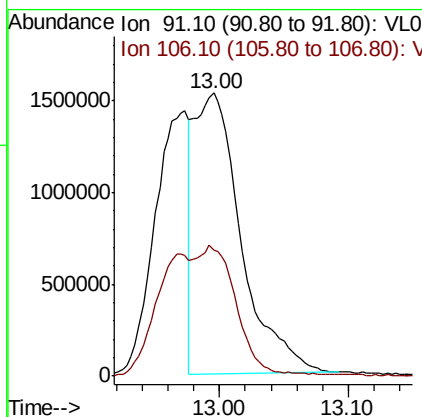
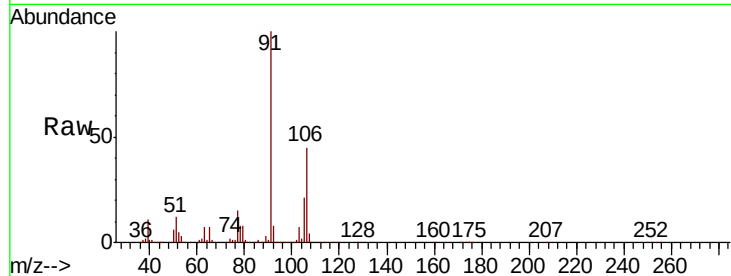
Ion 106.10 (105.80 to 106.80): V





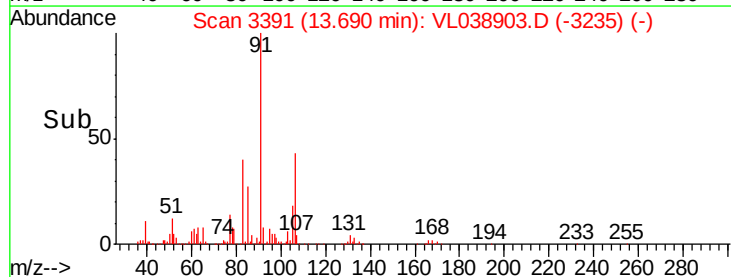
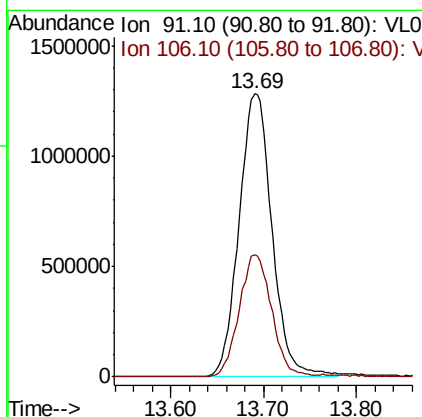
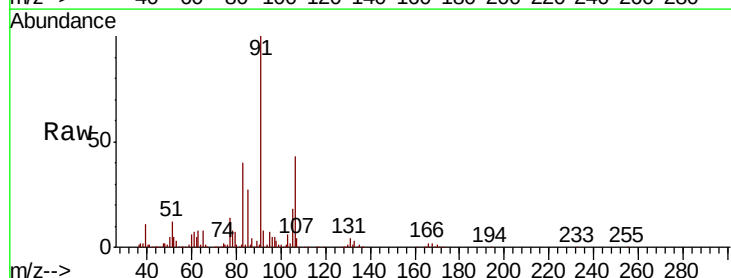
#59
m/p-Xylene
Concen: 8.813 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2022 14:13

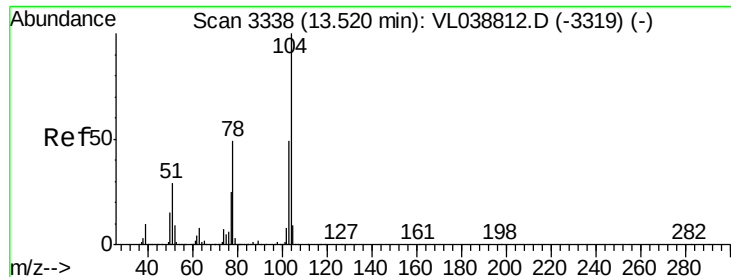
Tot Ion: 91 Resp: 3852682
Ion Ratio Lower Upper
91 100
106 73.9 37.1 55.7#



#60
o-Xylene
Concen: 7.735 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL038903.D
Acq: 13 Apr 2022 14:13

Tgt Ion: 91 Resp: 3164021
Ion Ratio Lower Upper
91 100
106 43.5 23.8 71.4





#61

Stvrene

Concen: 7.455 ppbv

RT: 13.52

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13

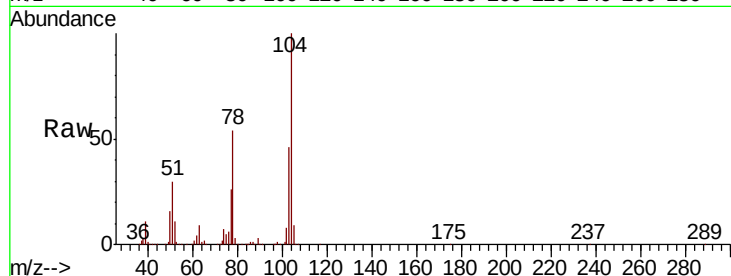
Tot Ion:104 Resp: 1857802

Ion Ratio Lower Upper

104 100

78 55.4 40.5 60.7

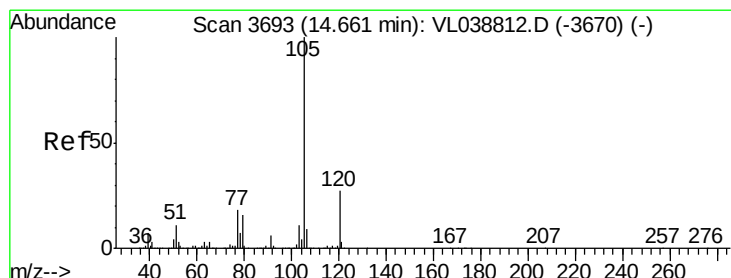
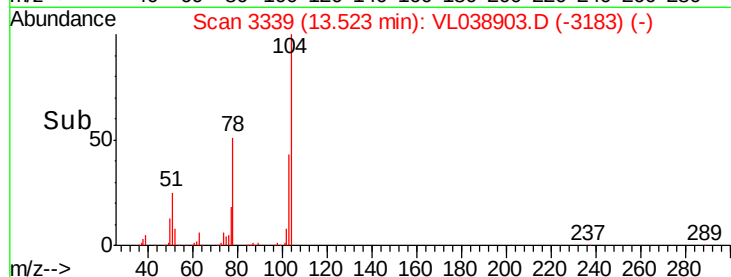
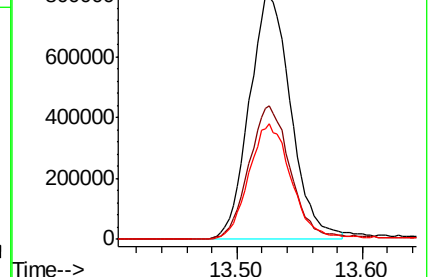
103 48.7 39.0 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.365 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VL038903.D

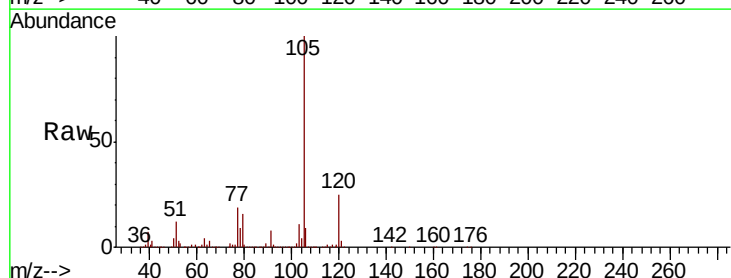
Acq: 13 Apr 2022 14:13

Tgt Ion:105 Resp: 4521921

Ion Ratio Lower Upper

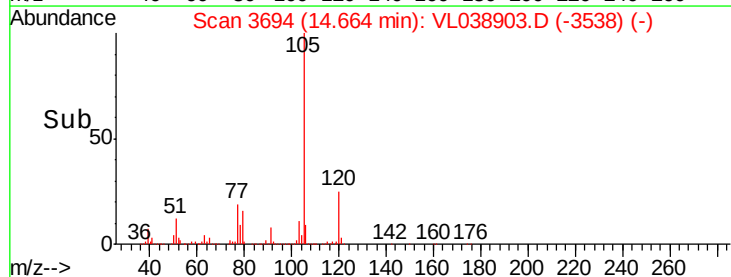
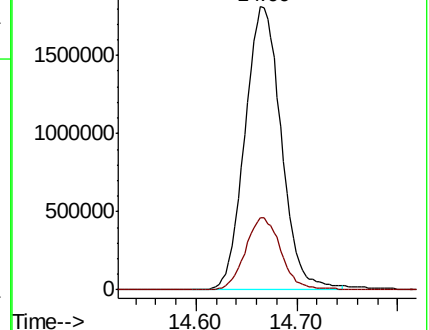
105 100

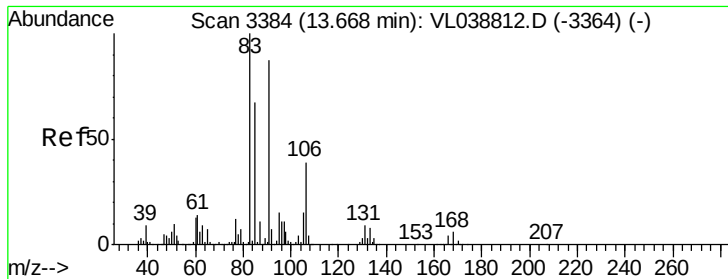
120 25.2 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

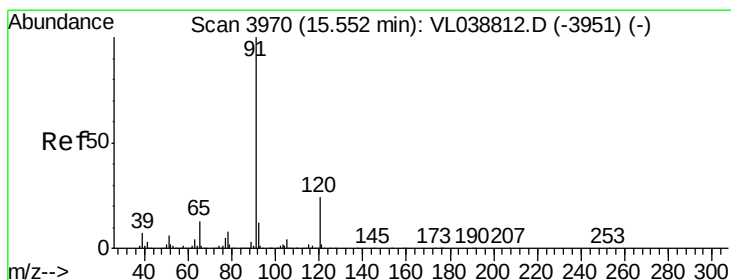
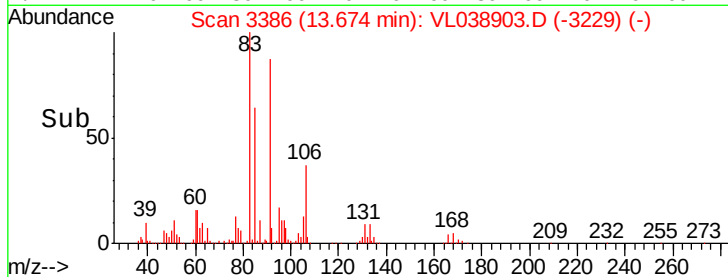
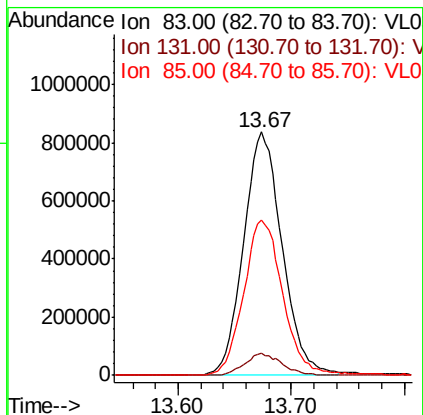
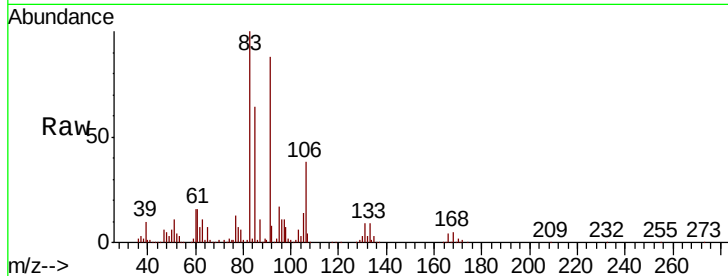
Ion 120.20 (119.90 to 120.90): V





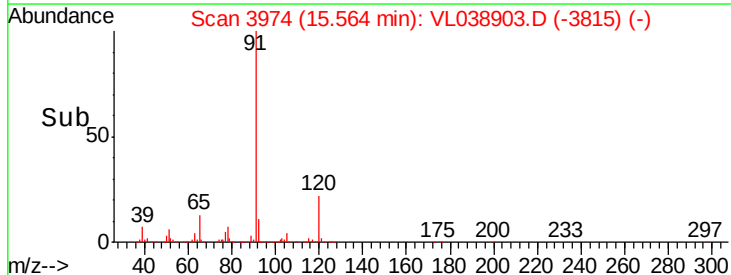
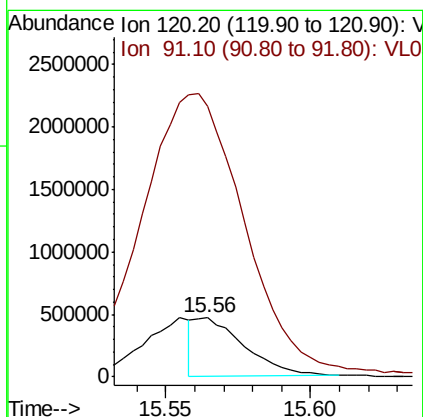
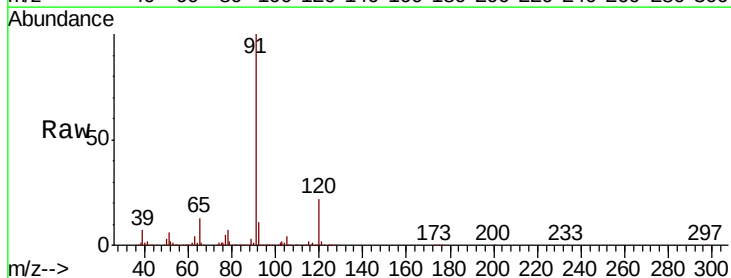
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.650 ppbv
 RT: 13.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Apr 2022 14:13

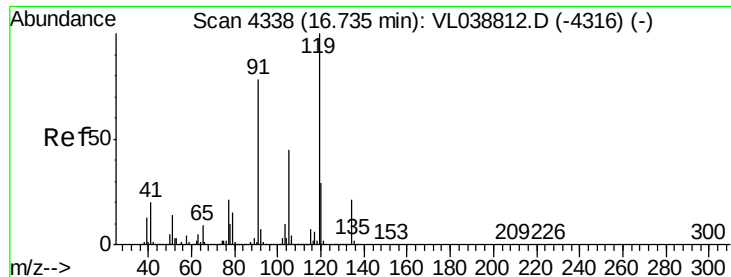
Tot Ion: 83 Resp: 1981959
 Ion Ratio Lower Upper
 83 100
 131 8.9 4.6 13.8
 85 65.9 33.0 99.0



#64
 n-propylbenzene
 Concen: 3.456 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T.: 0.01 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

Tgt Ion: 120 Resp: 550911
 Ion Ratio Lower Upper
 120 100
 91 1043.4 360.6 540.8#





#65

tert-Butylbenzene

Concen: 7.107 ppbv

RT: 16.74

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2022 14:13

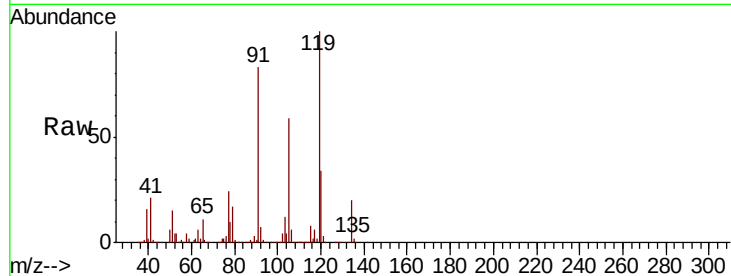
Tot Ion: 119 Resp: 3871366

Ion Ratio Lower Upper

119 100

91 86.0 62.8 94.2

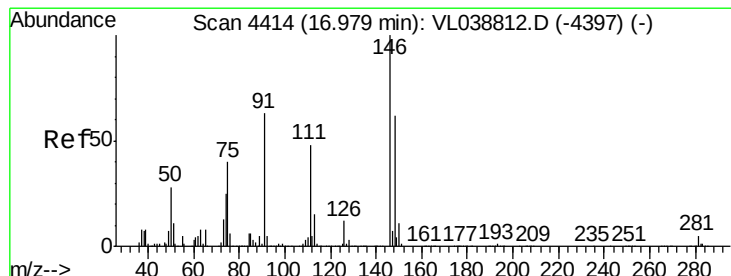
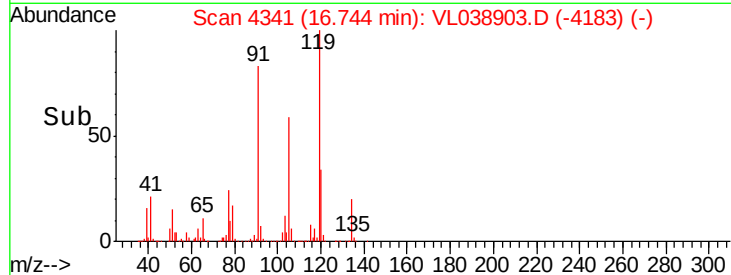
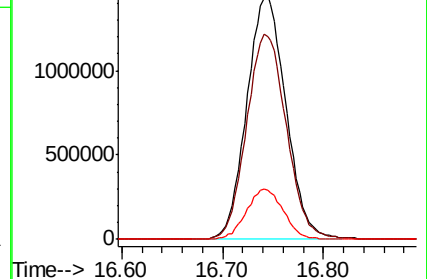
134 19.6 16.2 24.4



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: 5.373 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.01 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

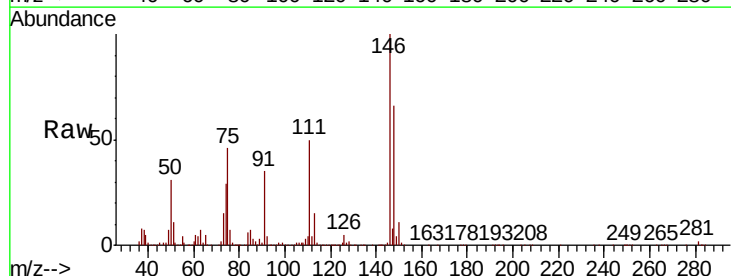
Tgt Ion: 91 Resp: 595879

Ion Ratio Lower Upper

91 100

126 16.0 15.4 23.0

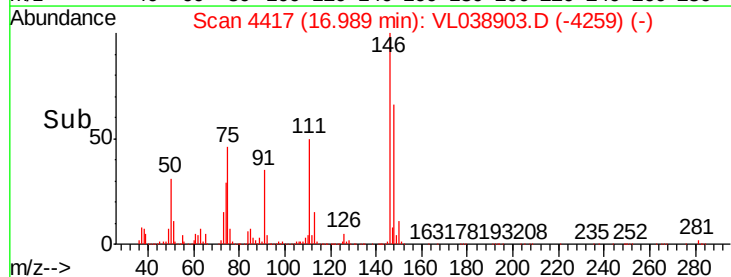
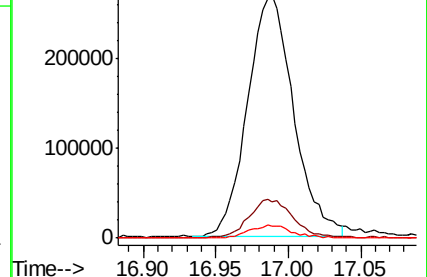
128 5.1 4.7 7.1

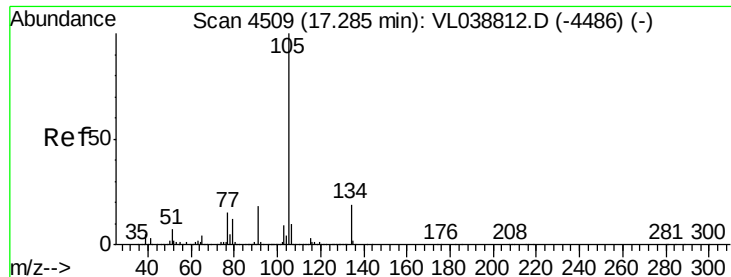


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

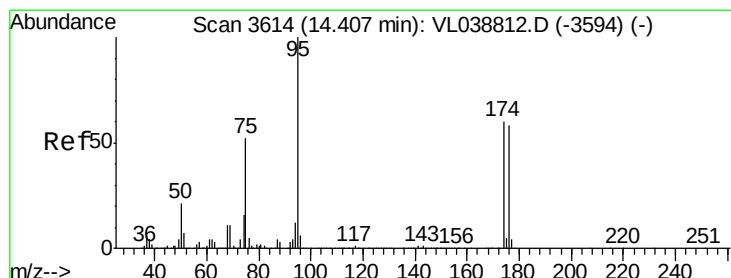
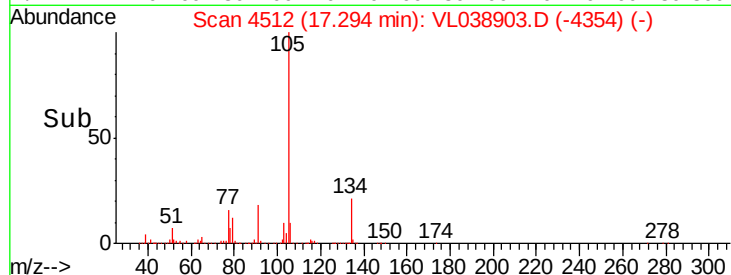
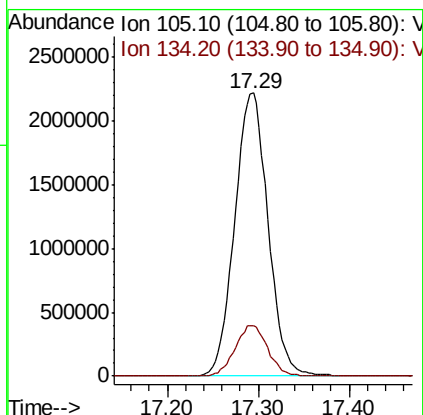
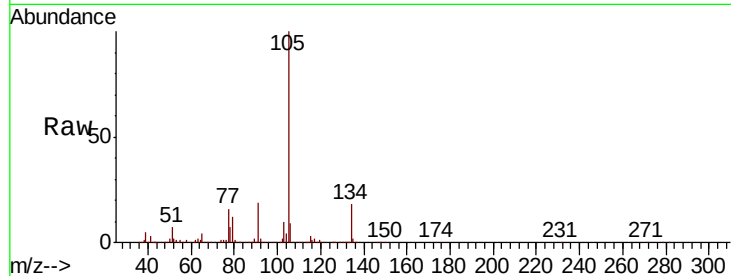
Ion 128.10 (127.80 to 128.80): V





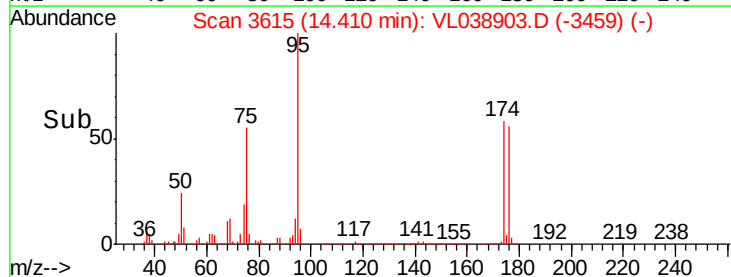
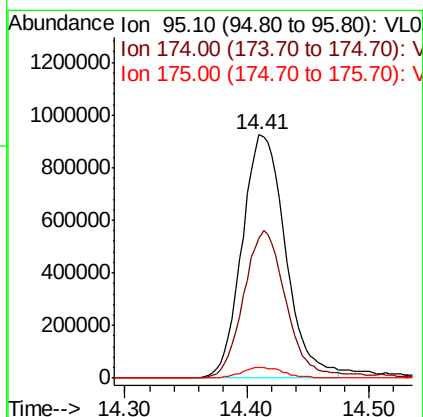
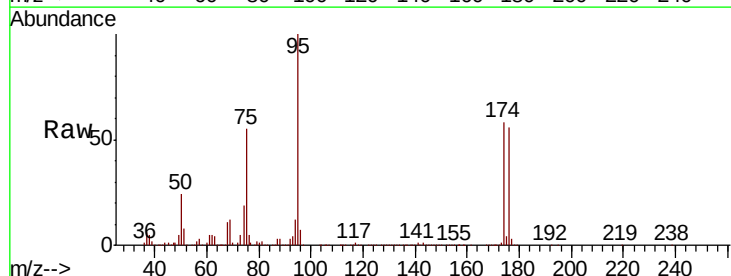
#67
 sec-Butylbenzene
 Concen: 7.374 ppbv
 RT: 17.29 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Apr 2022 14:13

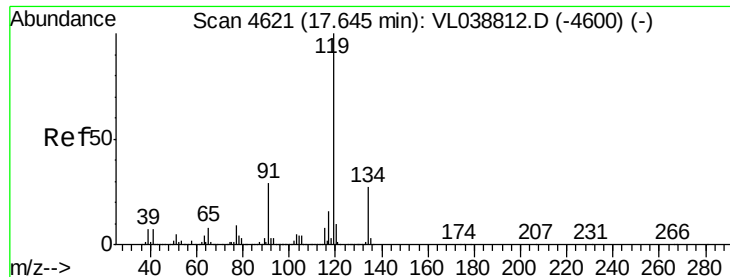
Tot Ion: 105 Resp: 5636247
 Ion Ratio Lower Upper
 105 100
 134 17.6 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.616 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T.: 0.00 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

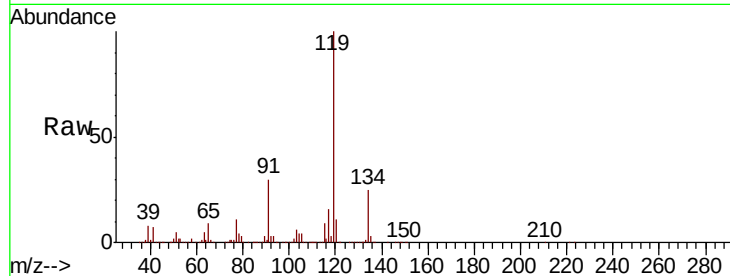
Tgt Ion: 95 Resp: 2275703
 Ion Ratio Lower Upper
 95 100
 174 61.1 52.0 78.0
 175 4.4 4.0 6.0



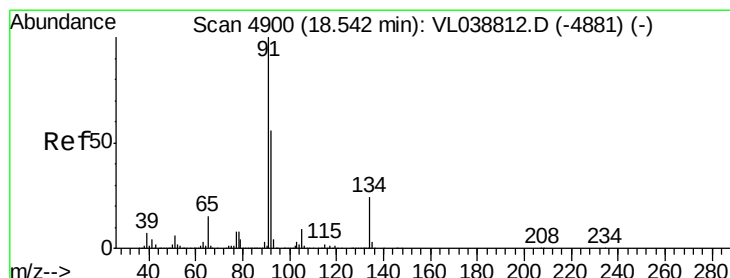
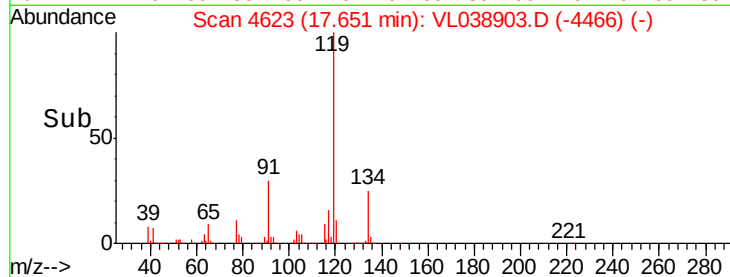
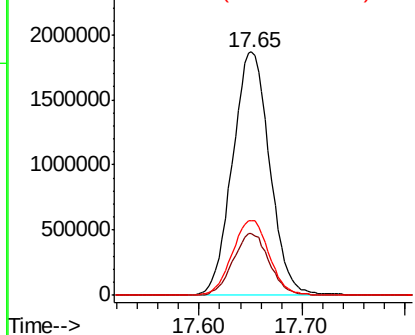


#69
 p-Isopropyltoluene
 Concen: 7.446 ppbv
 RT: 17.65 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Apr 2022 14:13

Tot Ion: 119 Resp: 4673206
 Ion Ratio Lower Upper
 119 100
 134 24.9 20.8 31.2
 91 30.8 22.6 34.0

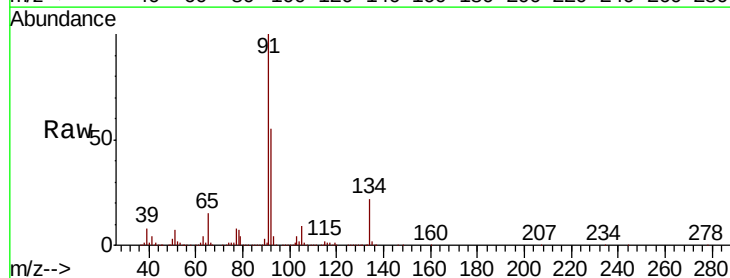


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

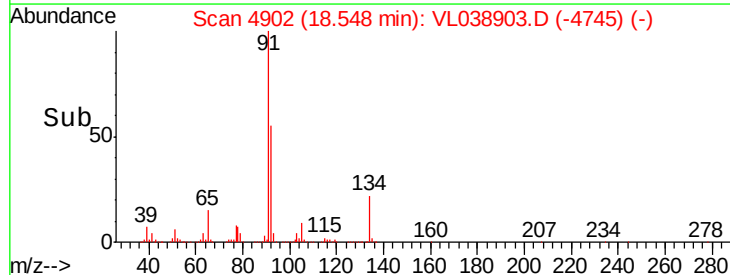
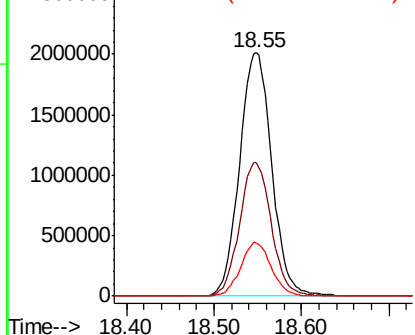


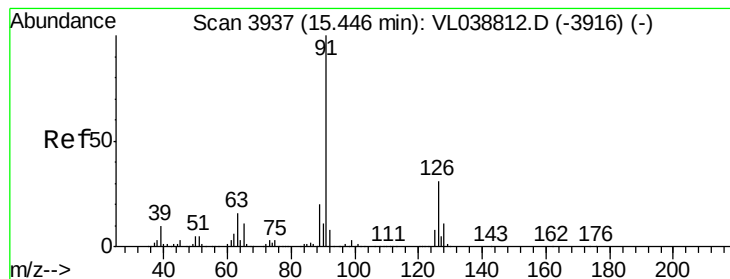
#70
 n-Butylbenzene
 Concen: 8.124 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T.: 0.01 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

Tgt Ion: 91 Resp: 5136816
 Ion Ratio Lower Upper
 91 100
 92 54.2 44.6 66.8
 134 21.3 19.2 28.8



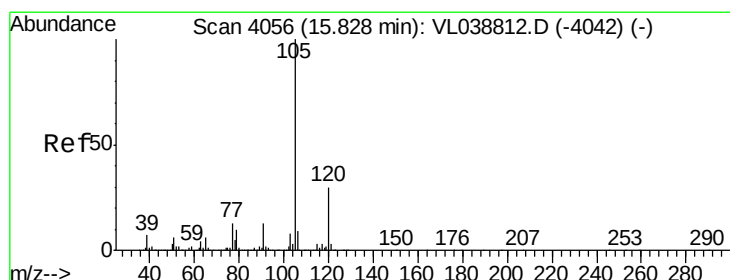
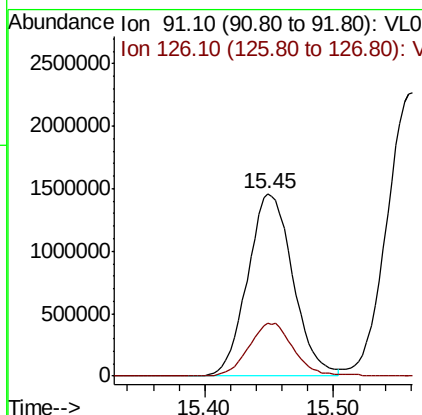
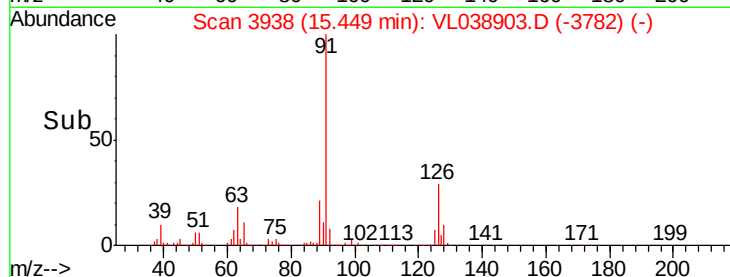
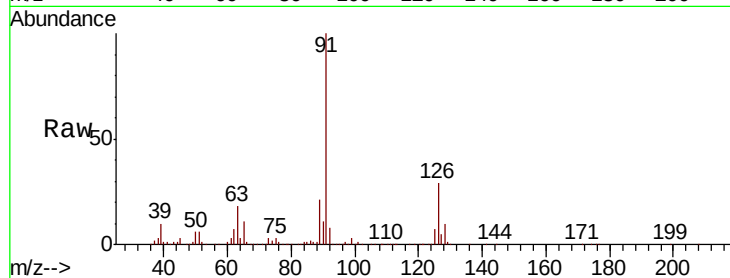
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





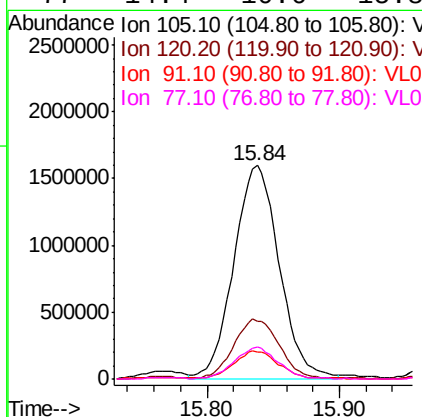
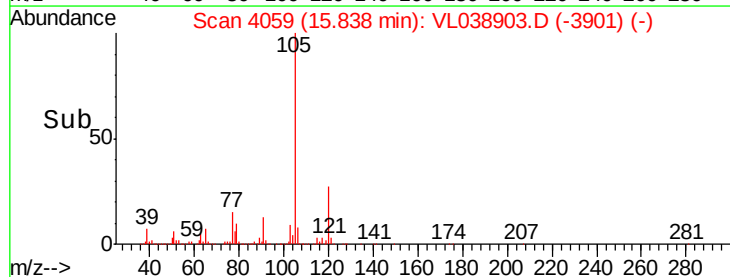
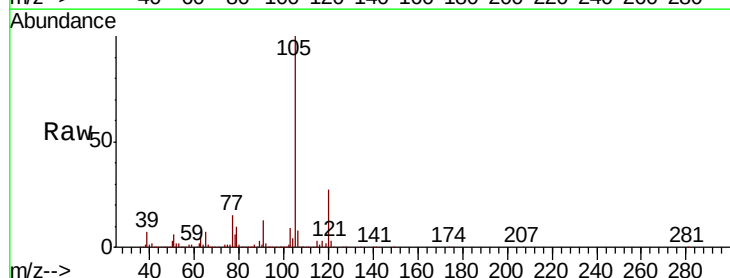
#71
 2-Chlorotoluene
 Concen: 7.721 ppbv
 RT: 15.45 min
 Delta R.T. 0.01 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

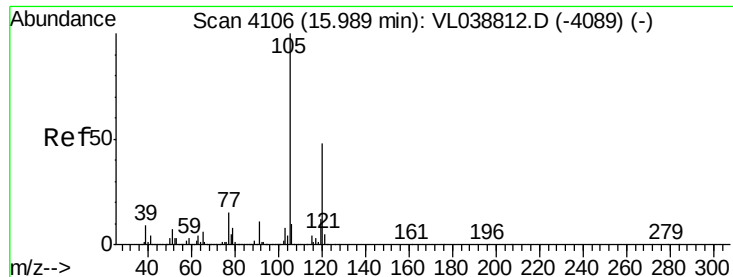
Tot Ion: 91 Resp: 3564614
 Ion Ratio Lower Upper
 91 100
 126 29.5 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 7.807 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. 0.01 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

Tgt Ion: 105 Resp: 3813233
 Ion Ratio Lower Upper
 105 100
 120 28.7 24.3 36.5
 91 12.6 9.4 14.2
 77 14.4 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 7.674 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

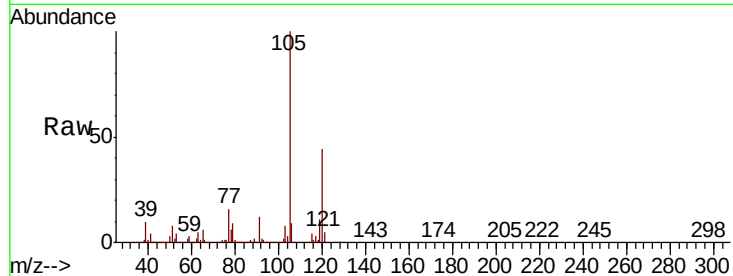
Acq: 13 Apr 2022 14:13

Tot Ion:105 Resp: 3367387

Ion Ratio Lower Upper

105 100

120 43.8 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

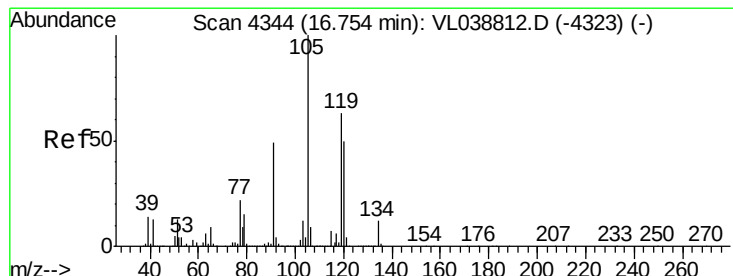
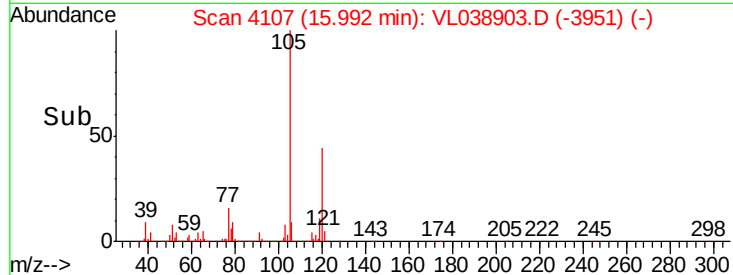
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.643 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.01 min

Lab File: VL038903.D

Acq: 13 Apr 2022 14:13

Tgt Ion:105 Resp: 3544939

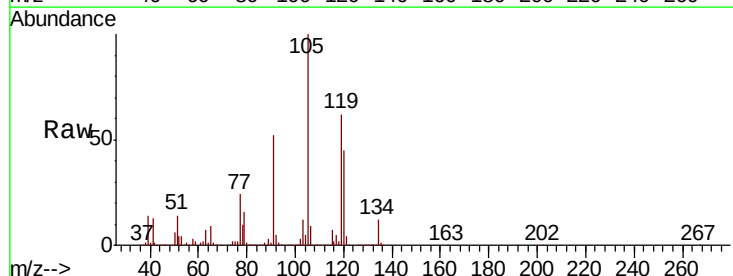
Ion Ratio Lower Upper

105 100

120 45.2 39.8 59.8

91 51.8 39.4 59.0

77 23.6 17.3 25.9



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

2000000

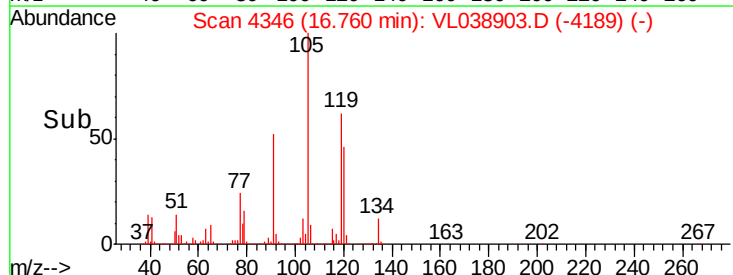
1500000

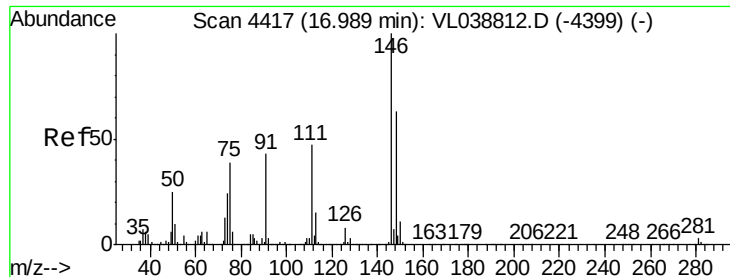
1000000

500000

0

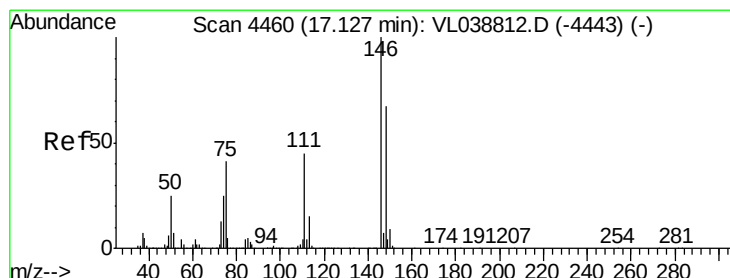
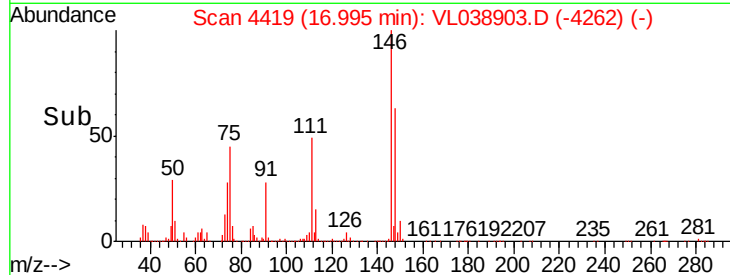
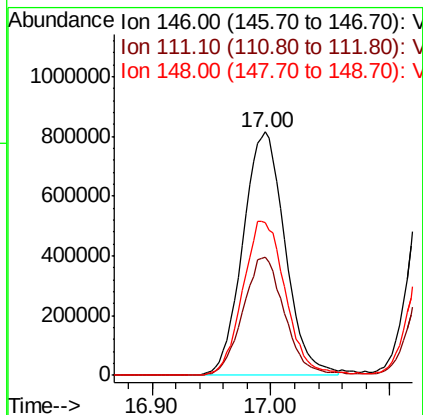
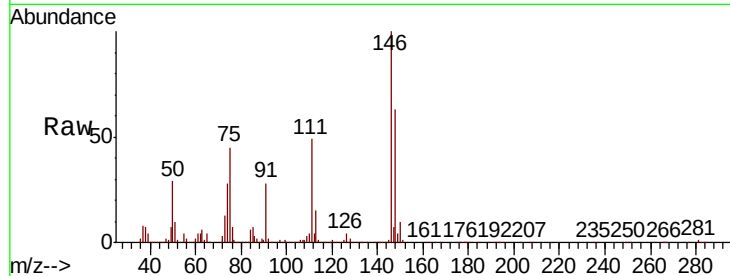
Time-->





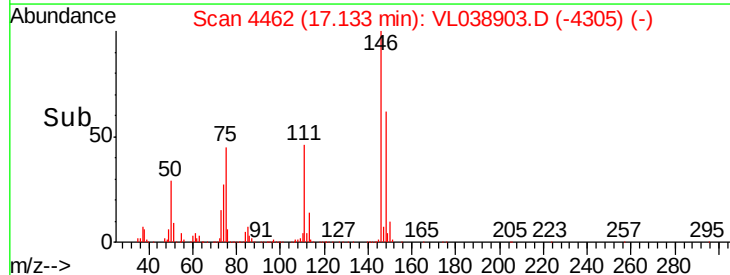
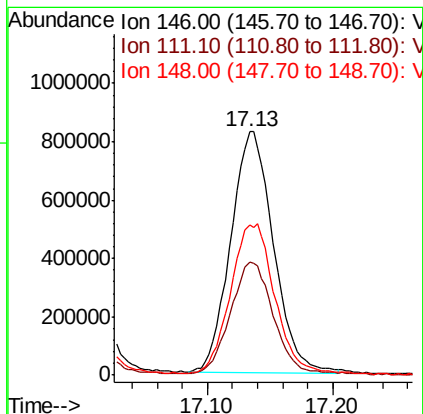
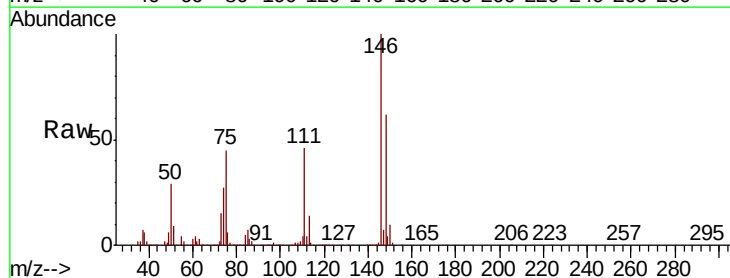
#75
 1,3-Dichlorobenzene
 Concen: 7.423 ppbv
 RT: 17.00 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Apr 2022 14:13

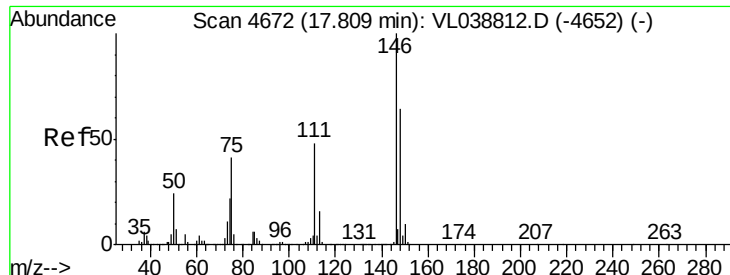
Tot Ion:146 Resp: 1999171
 Ion Ratio Lower Upper
 146 100
 111 48.0 23.8 71.2
 148 64.3 31.8 95.4



#76
 1,4-Dichlorobenzene
 Concen: 7.378 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. 0.01 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

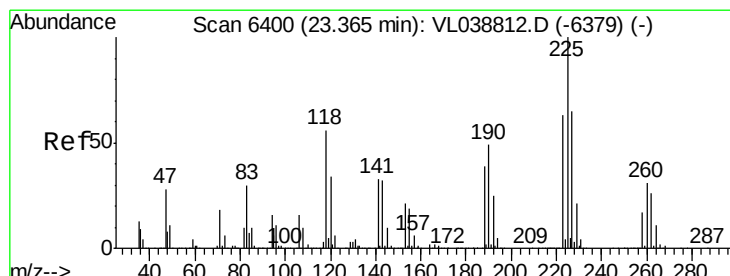
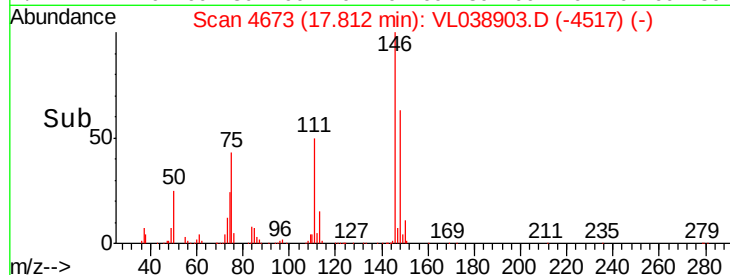
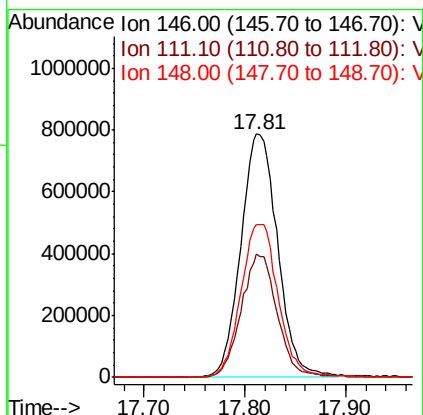
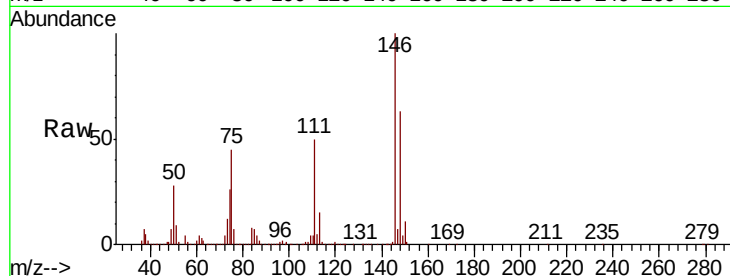
Tgt Ion:146 Resp: 1957424
 Ion Ratio Lower Upper
 146 100
 111 47.9 23.6 70.8
 148 66.1 33.6 100.6





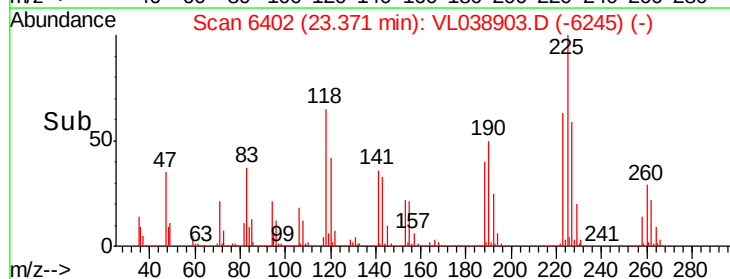
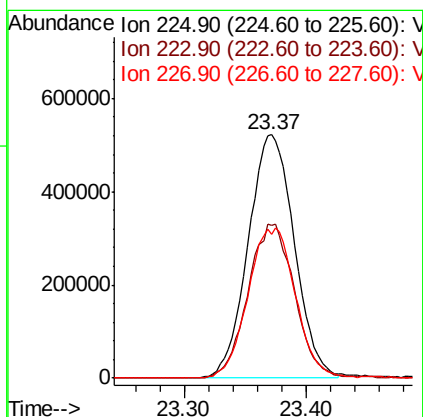
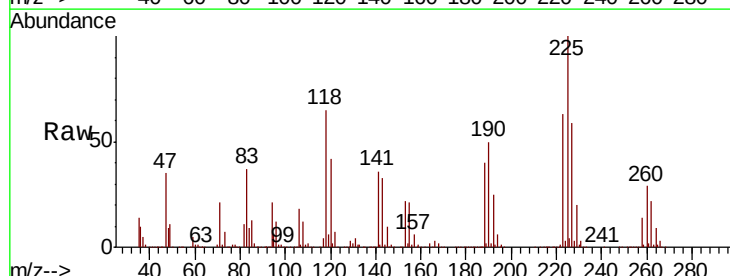
#77
 1,2-Dichlorobenzene
 Concen: 7.477 ppbv
 RT: 17.81 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010
 Acq: 13 Apr 2022 14:13

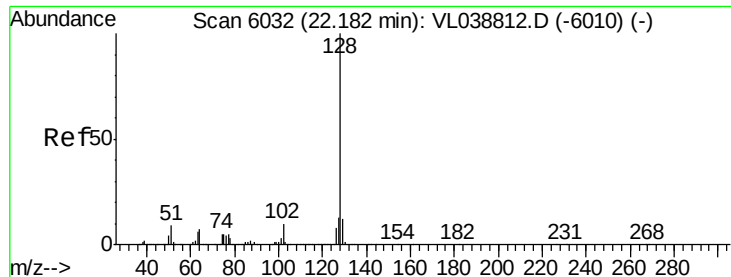
Tot Ion:146 Resp: 1984985
 Ion Ratio Lower Upper
 146 100
 111 49.6 24.8 74.3
 148 63.8 31.9 95.7



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.528 ppbv
 RT: 23.37 min Scan# 6402
 Delta R.T.: 0.01 min
 Lab File: VL038903.D
 Acq: 13 Apr 2022 14:13

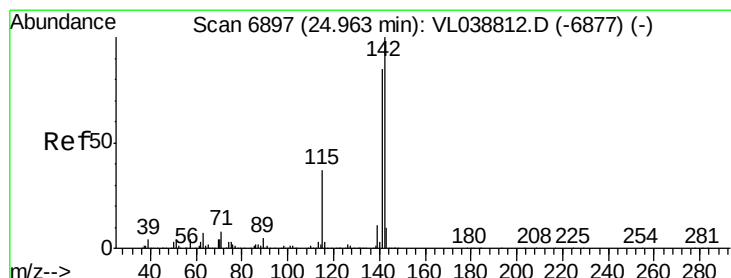
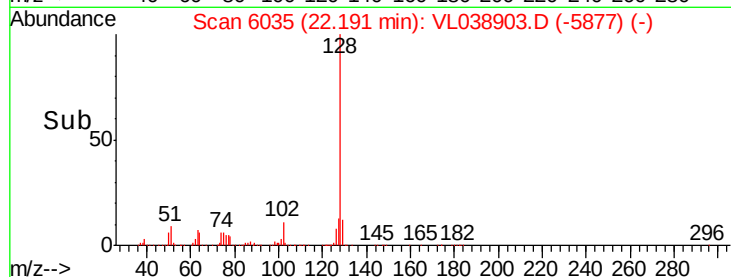
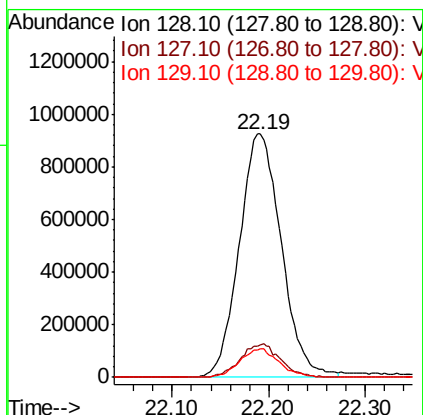
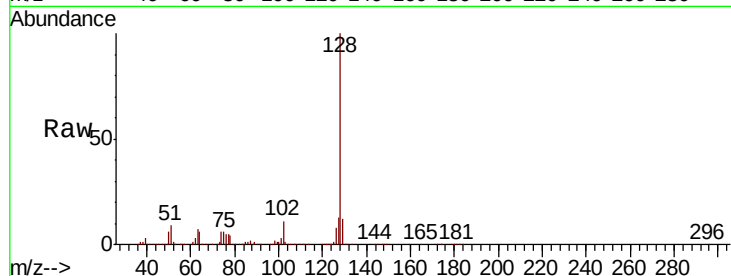
Tgt Ion:225 Resp: 1369225
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.6 77.4
 227 63.9 52.3 78.5





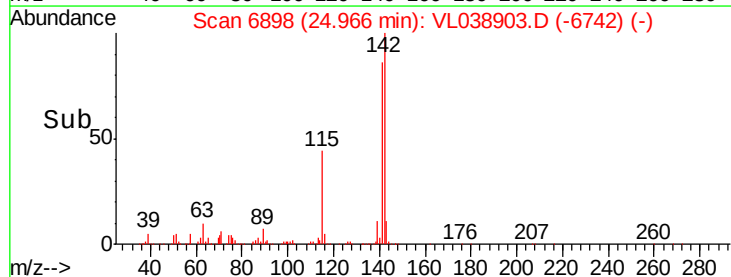
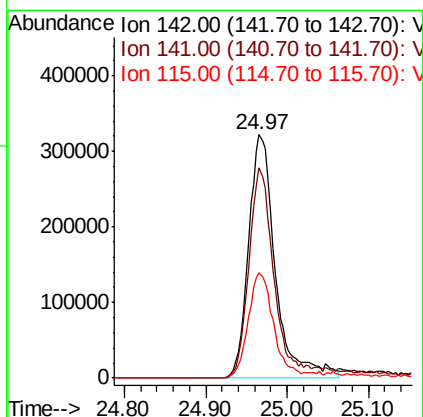
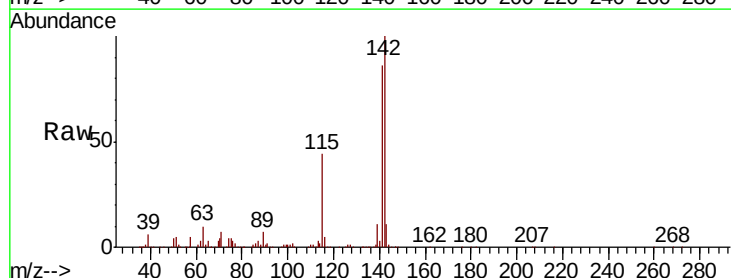
#79
Naphthalene
Concen: 8.040 ppbv
RT: 22.19 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2022 14:13

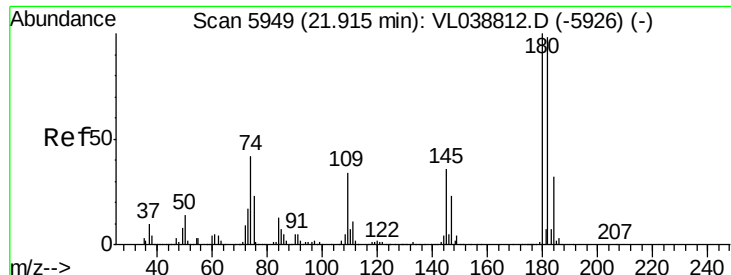
Tot Ion:128 Resp: 2789704
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.6 9.4 14.0



#80
Naphthalene, 2-methyl-
Concen: 8.446 ppbv
RT: 24.97 min Scan# 6898
Delta R.T.: 0.00 min
Lab File: VL038903.D
Acq: 13 Apr 2022 14:13

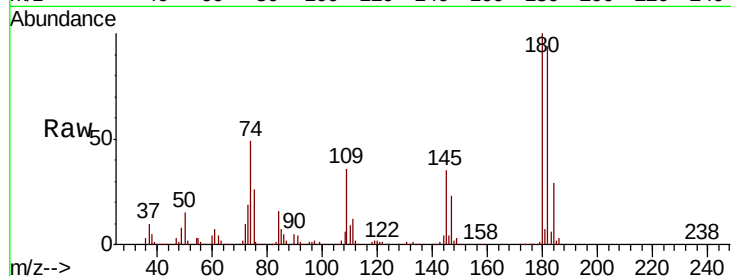
Tgt Ion:142 Resp: 722178
Ion Ratio Lower Upper
142 100
141 90.4 68.8 103.2
115 43.5 31.6 47.4





#81
 1,2,4-Trichlorobenzene
 Concen: 7.722 ppbv
 RT: 21.92
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010
 Acq: 13 Apr 2022 14:13

Tot Ion:180 Resp: 1567986
 Ion Ratio Lower Upper
 180 100
 182 97.1 79.4 119.0
 184 30.8 25.0 37.6



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

