

Data File : VL037907.D

Acq On : 26 Oct 2021 8:50

Operator : SY/AP

Sample : VSTDCCC010

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Quant Time: Oct 26 15:49:47 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021

QLast Update : Mon Oct 04 17:43:54 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1481422	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.22	114	4402414	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.13	117	4785896	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2817989	8.42	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	84.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1905504	8.053	ppbv	97
3) Chlorodifluoromethane	3.02	51	2462251	8.650	ppbv	99
4) Chloromethane	3.18	50	857428	8.224	ppbv	95
5) Vinyl Chloride	3.29	62	877761	9.184	ppbv	96
6) Bromomethane	3.51	94	318450	6.160	ppbv	97
7) Chloroethane	3.59	64	300966	8.565	ppbv	90
8) Dichlorotetrafluoroethane	3.22	85	2027802	8.670	ppbv	99
9) Propene	3.04	41	804502	7.681	ppbv	98
10) Heptane	8.17	43	2130120	8.955	ppbv	99
11) Trichlorofluoromethane	3.99	101	1803738	8.544	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1374728	8.594	ppbv	100
13) Ethanol	3.64	45	85760	10.013	ppbv	98
14) Bromoethene	3.78	108	602836	8.571	ppbv	96
15) Acetone	3.89	43	1007657	7.577	ppbv	99
16) 1,3-Butadiene	3.36	39	899519	9.296	ppbv	92
17) tert-Butyl alcohol	4.32	59	1057239	7.719	ppbv	98
18) 1,1-Dichloroethene	4.33	96	617199	8.490	ppbv	95
19) Isopropyl Alcohol	4.00	45	672409	8.127	ppbv #	92
20) Methylene Chloride	4.38	84	511247	7.609	ppbv	95
21) Allyl Chloride	4.45	41	831649	7.059	ppbv	95
22) trans-1,2-Dichloroethene	4.93	96	636416	8.708	ppbv	99
23) Vinyl Acetate	5.11	43	1675523	8.407	ppbv	99
24) 1,1-Dichloroethane	5.05	63	1292737	8.911	ppbv	99
25) Ethyl Acetate	5.72	43	3085200	8.267	ppbv	99
26) Hexane	5.73	57	1555595	8.466	ppbv	94
27) Carbon Disulfide	4.59	76	1522570	9.349	ppbv	98
28) Methyl tert-Butyl Ether	5.08	73	1172359	7.663	ppbv	100
29) Chloroform	5.80	83	2219299	8.449	ppbv	97
30) Cyclohexane	7.18	84	1332143	8.549	ppbv	98
31) cis-1,2-Dichloroethene	5.59	61	1377963	8.260	ppbv	98
32) 1,1,1-Trichloroethane	6.56	97	2095686	8.416	ppbv	100
34) 2-Butanone	5.28	43	1382551	7.779	ppbv	100
35) Carbon Tetrachloride	7.07	117	2169627	8.678	ppbv	98
36) Benzene	6.94	78	3185730	8.472	ppbv	97
37) 1,2-Dichloroethane	6.35	62	1506341	8.508	ppbv	99
38) Trichloroethene	7.88	130	1267490	8.532	ppbv	95
39) 1,2-Dichloropropane	7.66	63	1220496	8.629	ppbv	99
40) 1,4-Dioxane	7.88	88	280532	7.926	ppbv #	100
41) Tetrahydrofuran	6.10	42	659073	7.573	ppbv	97
42) Bromodichloromethane	7.83	83	2341243	9.002	ppbv	100
43) Methyl Methacrylate	8.06	69	1171244	9.536	ppbv	98

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021

QLast Update : Mon Oct 04 17:43:54 2021

Response via : Initial Calibration

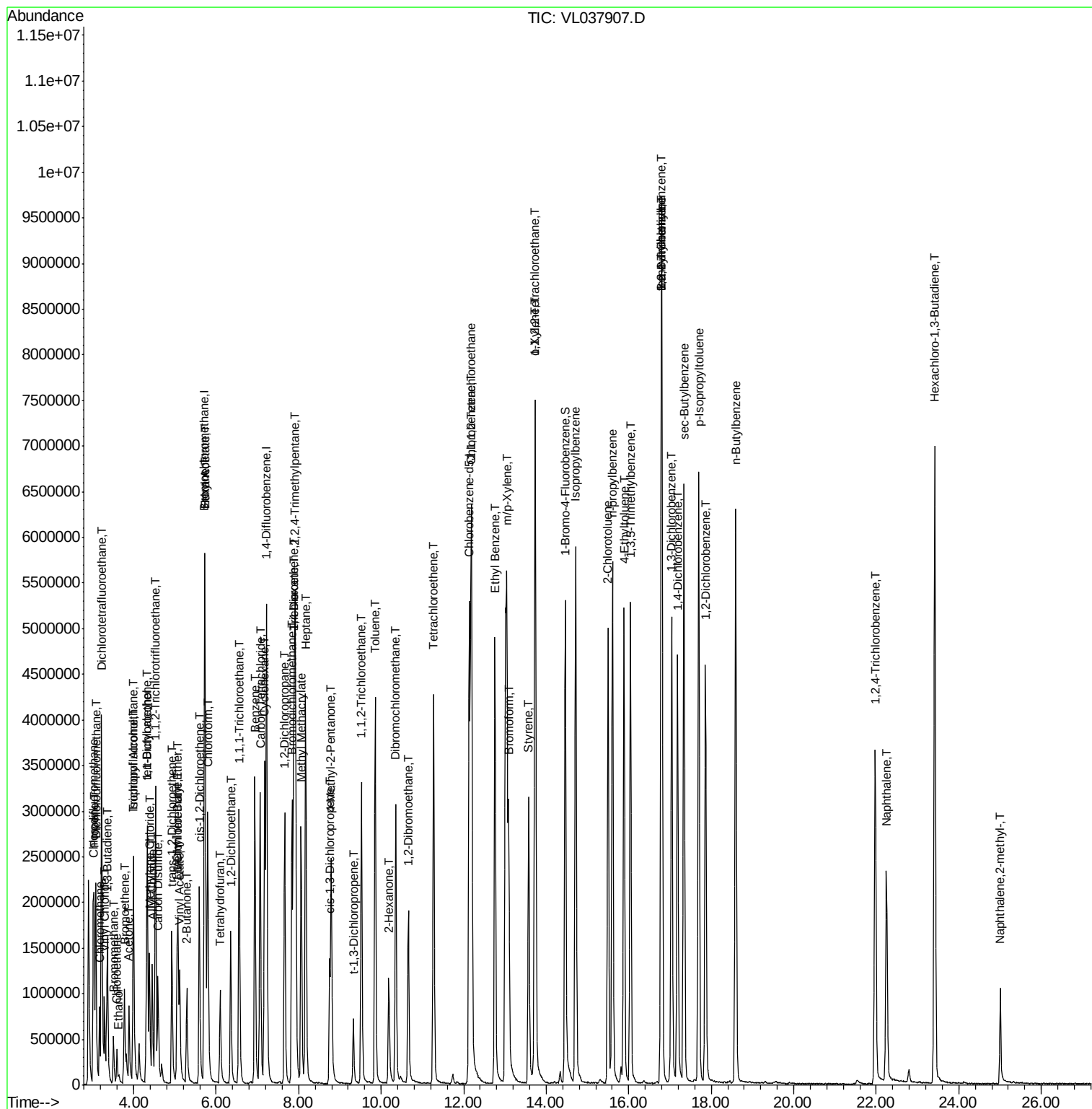
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	5425003	8.587	ppbv	98
45) t-1,3-Dichloropropene	9.33	75	413669	4.895	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	808300	6.901	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	1315396	8.555	ppbv	99
48) Dibromochloromethane	10.35	129	2086809	9.520	ppbv	99
49) Bromoform	13.09	173	1742433	10.389	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2181330	9.428	ppbv	99
51) 2-Hexanone	10.18	43	1079689	10.453	ppbv #	100
52) Tetrachloroethene	11.27	164	1163502	7.953	ppbv	97
53) Toluene	9.85	91	3695867	8.869	ppbv	99
54) 1,2-Dibromoethane	10.66	107	1717753	8.271	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.18	131	1485300	7.497	ppbv	93
57) Chlorobenzene	12.19	112	2762390	7.036	ppbv	98
58) Ethyl Benzene	12.76	91	4818499	7.498	ppbv	100
59) m/p-Xylene	13.04	91	2968429	5.381	ppbv #	1
60) o-Xylene	13.74	91	3871887	7.324	ppbv	100
61) Styrene	13.57	104	2019630	7.898	ppbv	98
62) Isopropylbenzene	14.72	105	5580187	7.567	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	2937687	7.201	ppbv	99
64) n-propylbenzene	15.61	120	1484977	8.076	ppbv	95
65) tert-Butylbenzene	16.79	119	4886089	7.530	ppbv	98
66) Benzyl Chloride	16.79	91	3709700	115.839	ppbv #	81
67) sec-Butylbenzene	17.34	105	6892920	7.767	ppbv	100
69) p-Isopropyltoluene	17.70	119	5716819	7.968	ppbv	99
70) n-Butylbenzene	18.59	91	5574630	8.179	ppbv	99
71) 2-Chlorotoluene	15.50	91	4088172	7.851	ppbv	99
72) 4-Ethyltoluene	15.89	105	4723676	7.869	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	4179072	7.664	ppbv	93
74) 1,2,4-Trimethylbenzene	16.81	105	4380944	7.651	ppbv	95
75) 1,3-Dichlorobenzene	17.04	146	2767644	7.802	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2652442	7.838	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	2673758	7.846	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2010716	7.226	ppbv	99
79) Naphthalene	22.25	128	3161536	9.016	ppbv	100
80) Naphthalene,2-methyl-	25.00	142	676669	7.186	ppbv	96
81) 1,2,4-Trichlorobenzene	21.98	180	1958208	8.731	ppbv	100

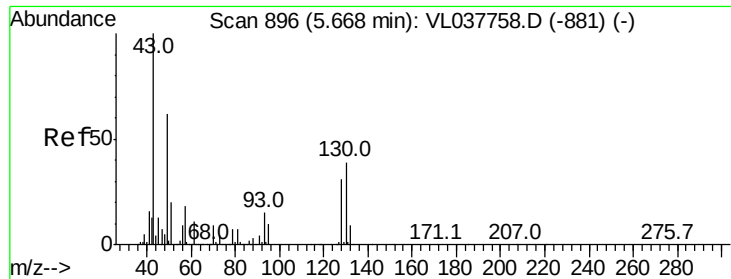
(#)=qualifier out of range (m)=manual integration (+)=signals summed

ALS Vial : 1 Sample Multiplier: 1

VSTDC0010EC

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

Acq: 26 Oct 2021 8:50

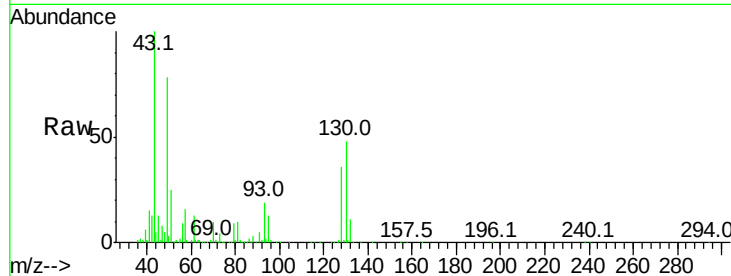
Tgt Ion: 49 Resp: 1481422

Ion Ratio Lower Upper

49 100

128 55.3 27.1 81.3

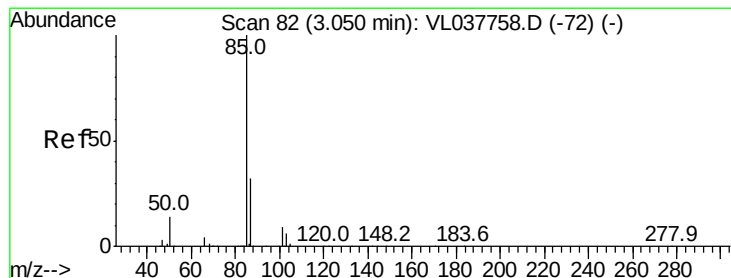
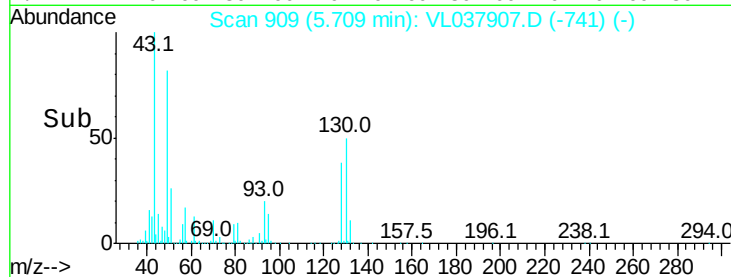
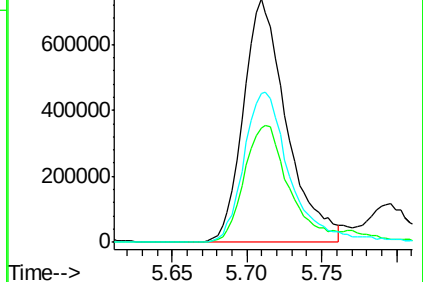
130 67.0 33.2 99.6



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: 8.053 ppbv

RT: 3.08 min Scan# 92

Delta R.T. 0.03 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

Tgt Ion: 85 Resp: 1905504

Ion Ratio Lower Upper

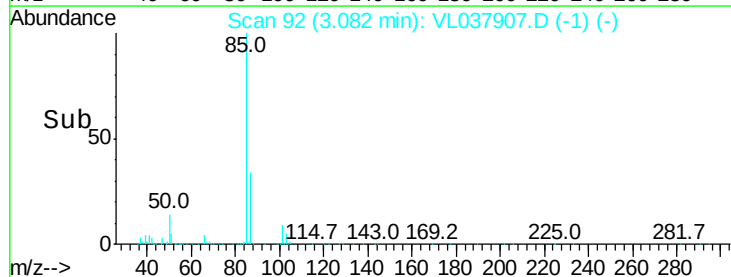
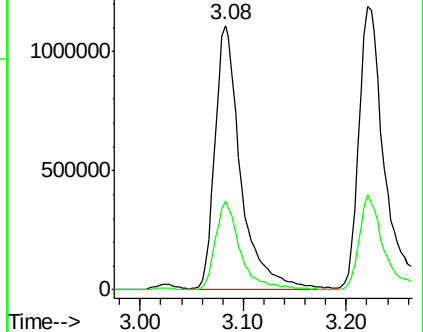
85 100

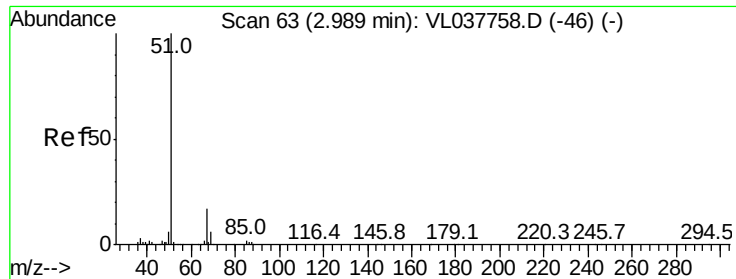
87 33.7 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.650 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

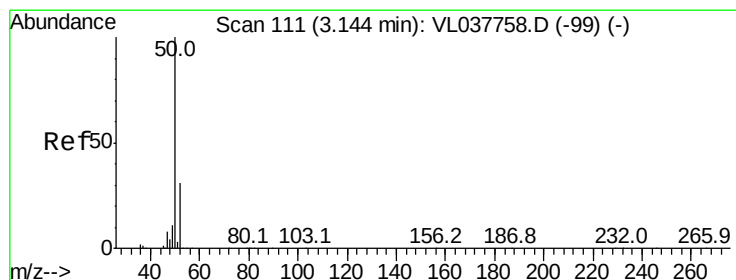
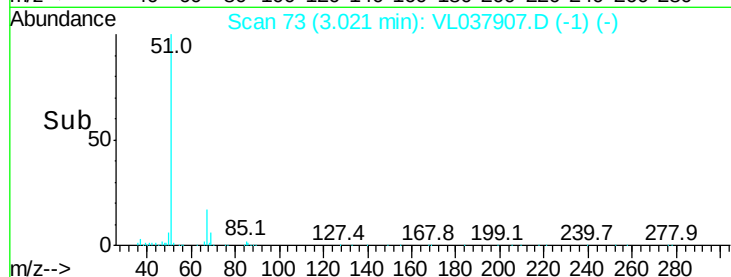
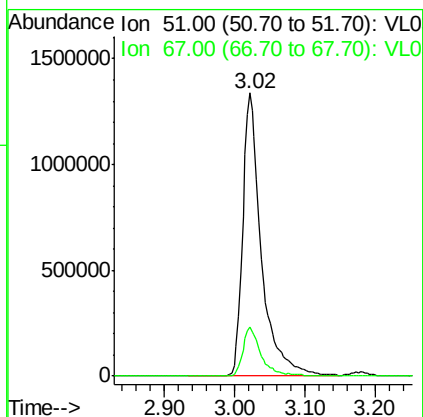
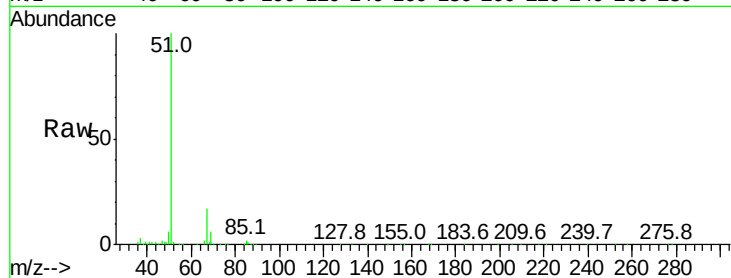
Acq: 26 Oct 2021 8:50

Tgt Ion: 51 Resp: 2462251

Ion Ratio Lower Upper

51 100

67 17.1 13.5 20.3



#4

Chloromethane

Concen: 8.224 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.03 min

Lab File: VL037907.D

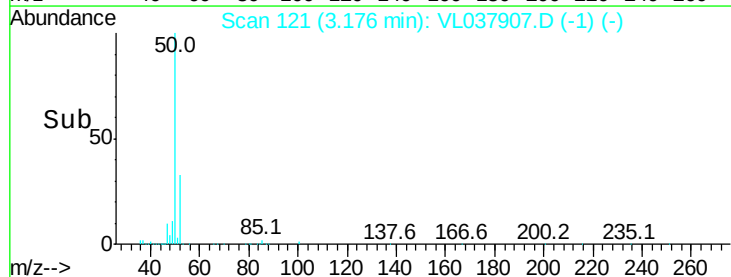
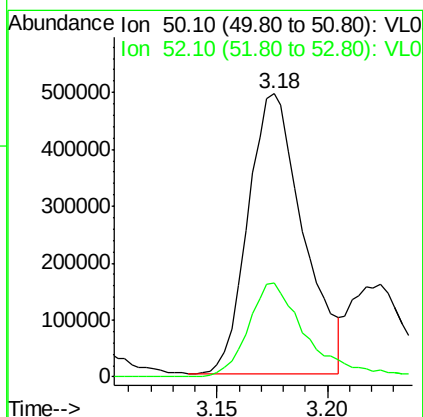
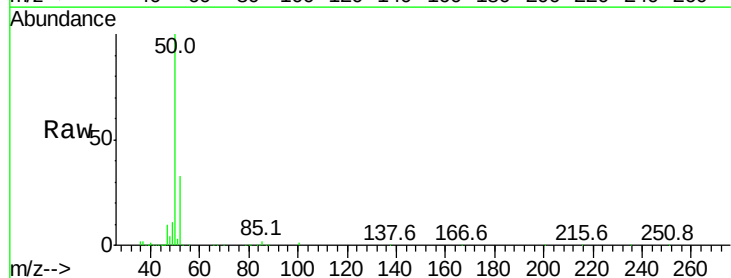
Acq: 26 Oct 2021 8:50

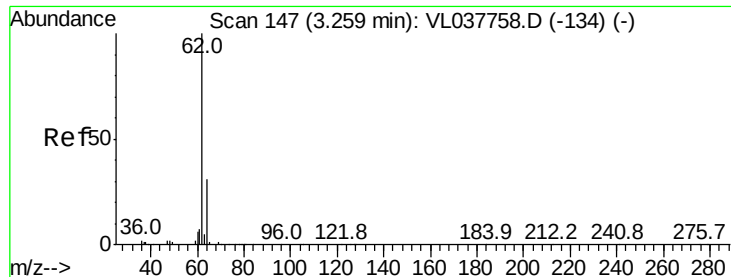
Tgt Ion: 50 Resp: 857428

Ion Ratio Lower Upper

50 100

52 33.3 24.4 36.6





#5

Vinyl Chloride

Concen: 9.184 ppbv

RT: 3.29 Instrument: MSVOA_1

Delta R.T. 0.04 min

Lab File: ClientSampleId: VSTDCCC010EC

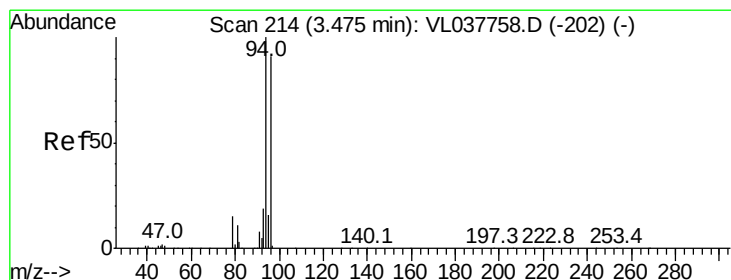
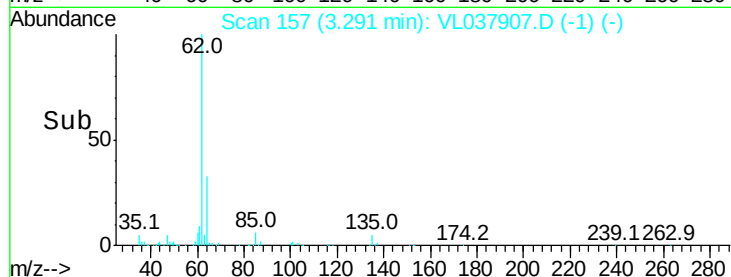
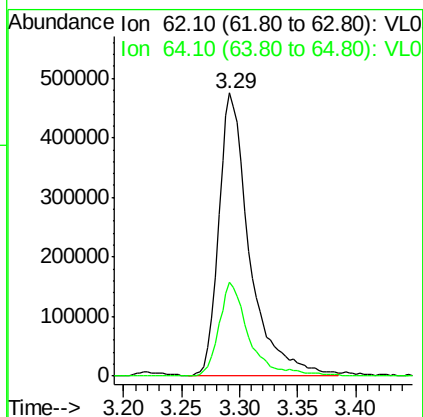
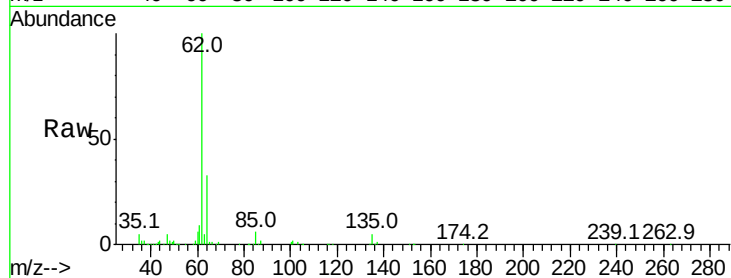
Acq: 26 Oct 2021 8:50

Tgt Ion: 62 Resp: 877761

Ion Ratio Lower Upper

62 100

64 33.3 24.9 37.3



#6

Bromomethane

Concen: 6.160 ppbv

RT: 3.51 min Scan# 225

Delta R.T. 0.04 min

Lab File: VL037907.D

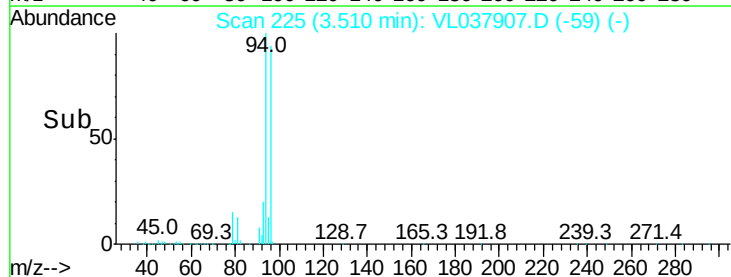
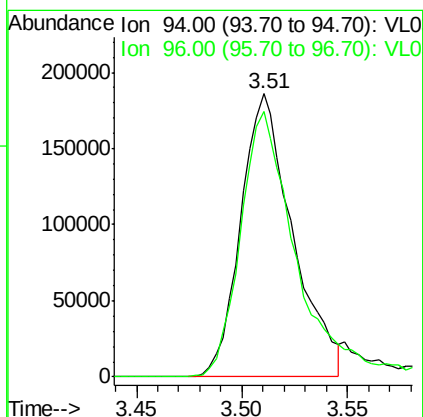
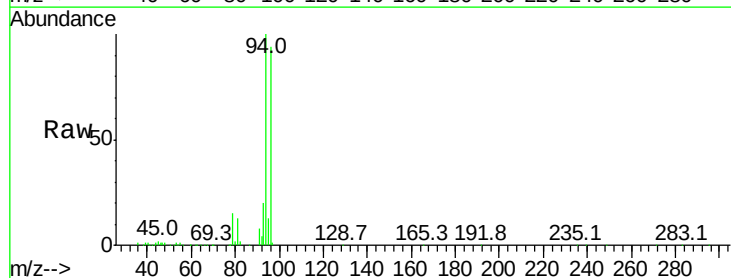
Acq: 26 Oct 2021 8:50

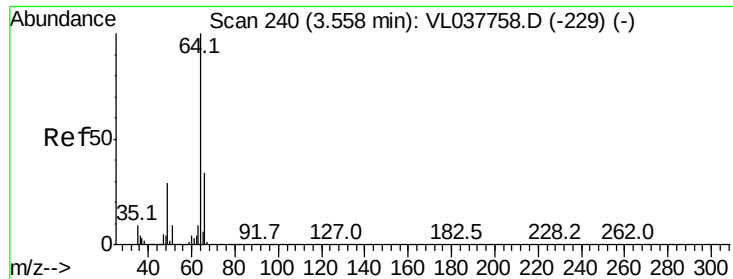
Tgt Ion: 94 Resp: 318450

Ion Ratio Lower Upper

94 100

96 93.7 72.5 108.7





#7

Chloroethane

Concen: 8.565 ppbv

RT: 3.59 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

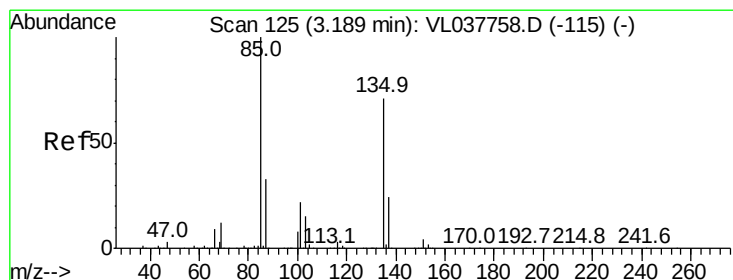
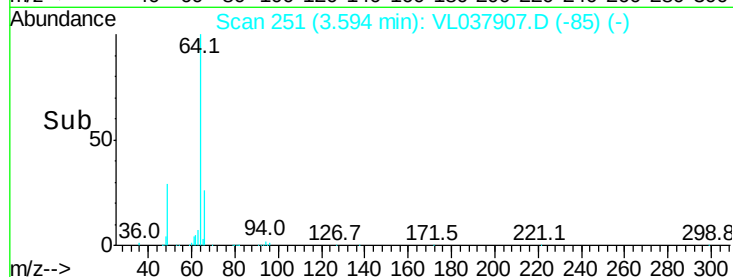
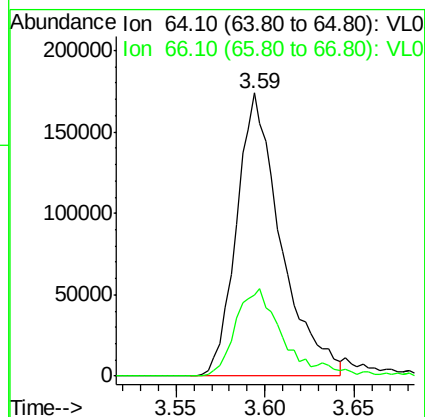
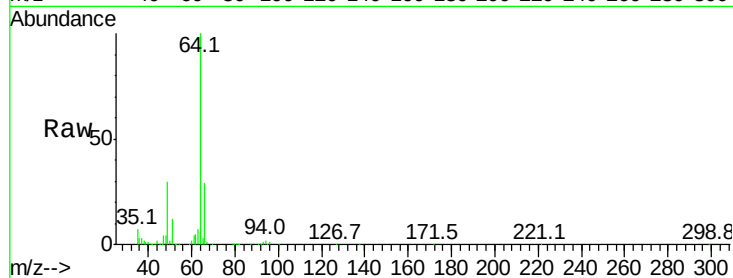
Acq: 26 Oct 2021 8:50 VSTDCCC010EC

Tgt Ion: 64 Resp: 300966

Ion Ratio Lower Upper

64 100

66 28.8 27.5 41.3



#8

Dichlorotetrafluoroethane

Concen: 8.670 ppbv

RT: 3.22 min Scan# 135

Delta R.T. 0.03 min

Lab File: VL037907.D

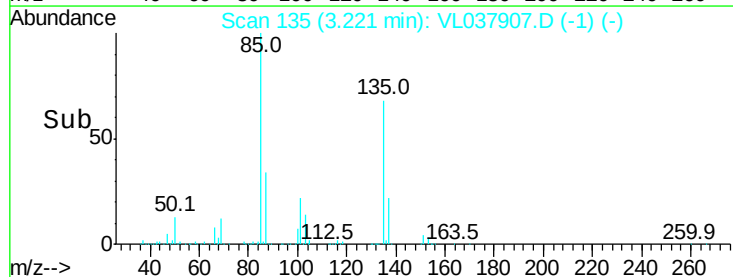
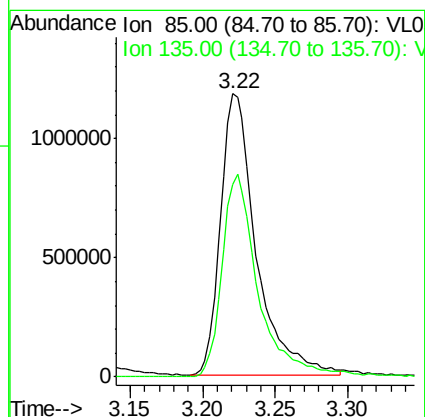
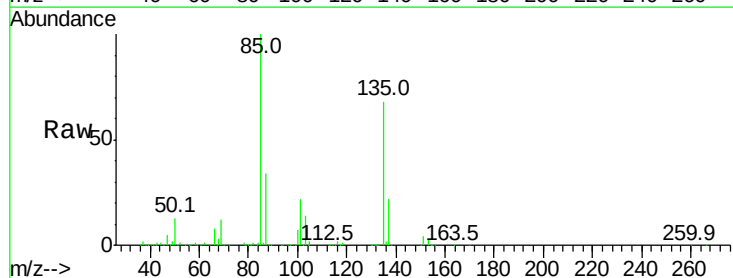
Acq: 26 Oct 2021 8:50

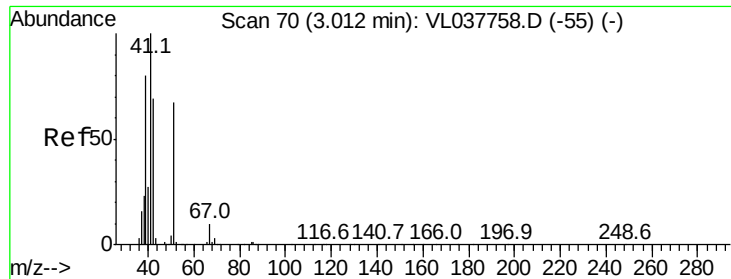
Tgt Ion: 85 Resp: 2027802

Ion Ratio Lower Upper

85 100

135 73.8 59.5 89.3





#9

Propene

Concen: 7.681 ppbv

RT: 3.04

Delta R.T.

Lab File:

Acq: 26 Oct 2021 8:50

Instrument:

MSVOA_1

ClientSampleId:

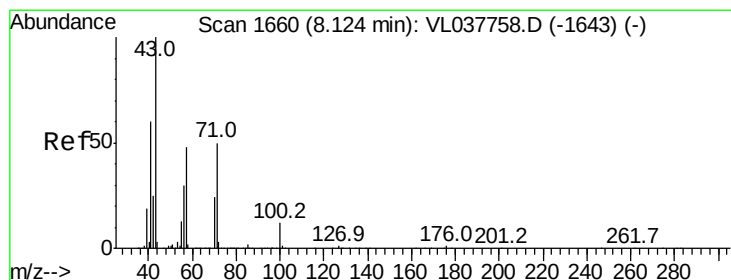
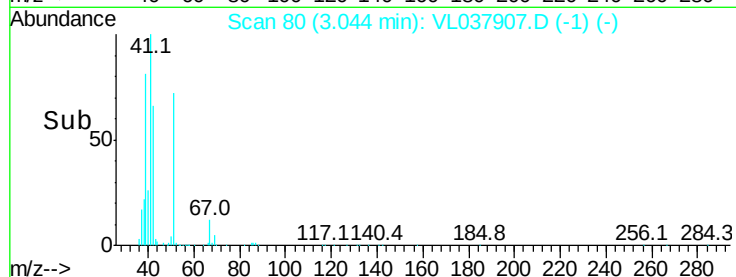
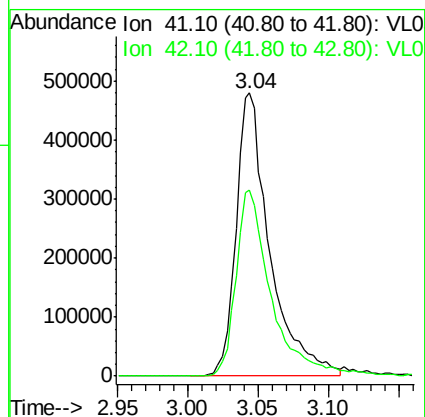
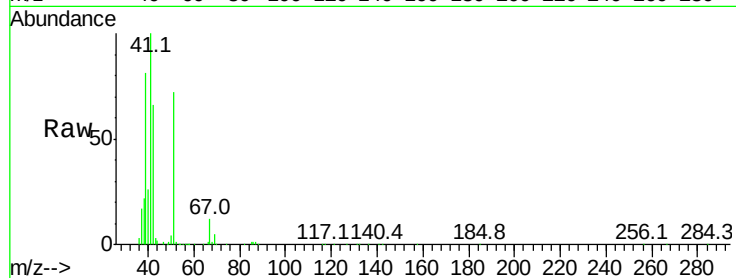
VSTDCCC010EC

Tgt Ion: 41 Resp: 804502

Ion Ratio Lower Upper

41 100

42 69.3 54.2 81.2



#10

Heptane

Concen: 8.955 ppbv

RT: 8.17 min Scan# 1674

Delta R.T. 0.04 min

Lab File: VL037907.D

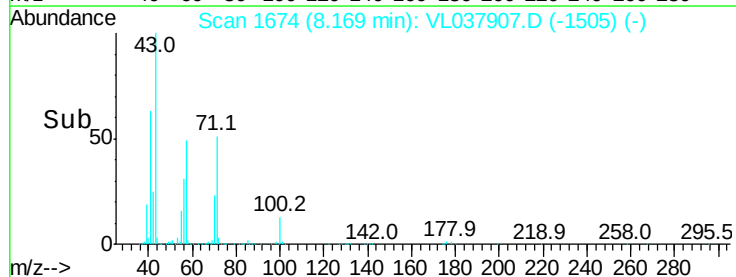
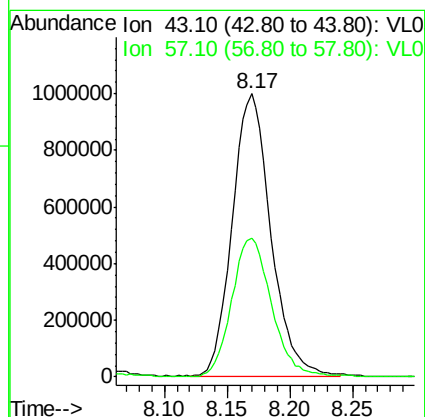
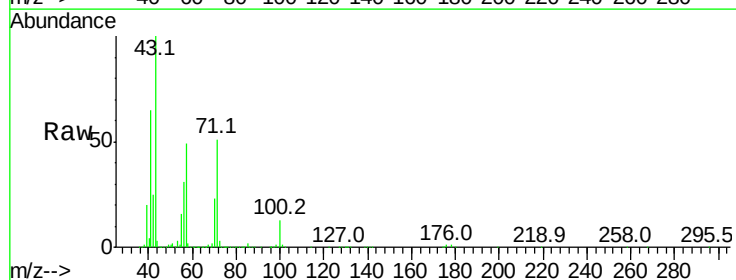
Acq: 26 Oct 2021 8:50

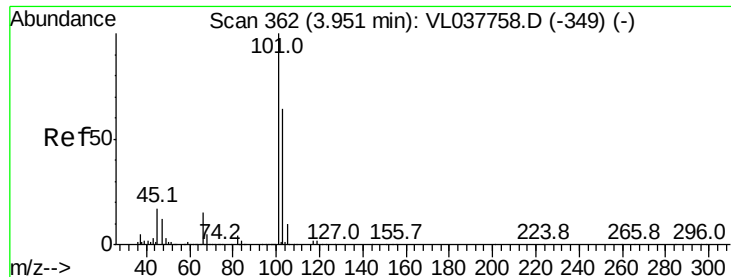
Tgt Ion: 43 Resp: 2130120

Ion Ratio Lower Upper

43 100

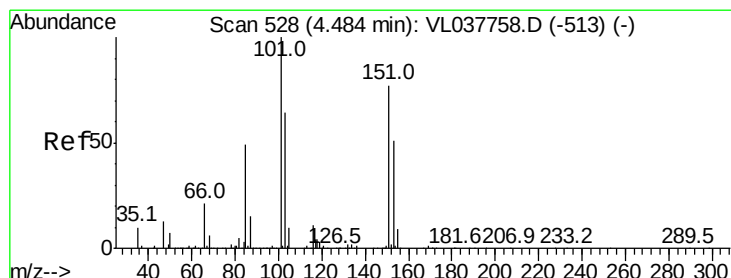
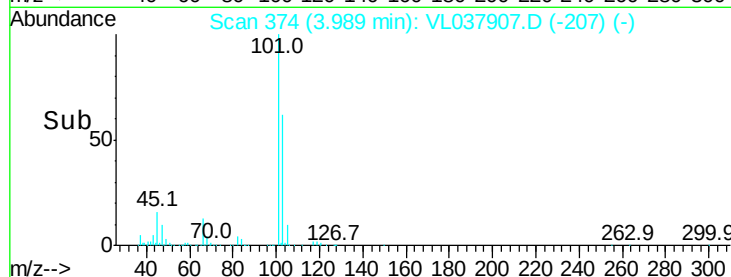
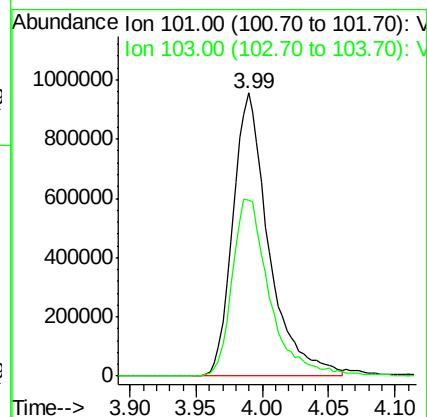
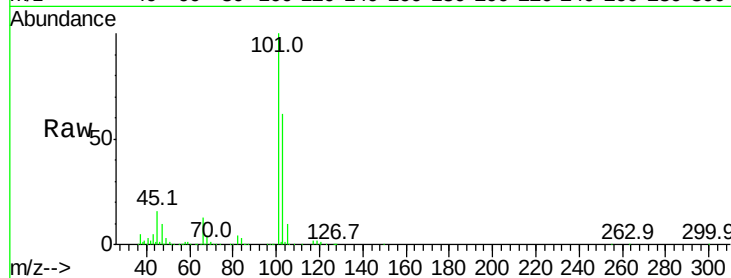
57 50.6 40.0 60.0





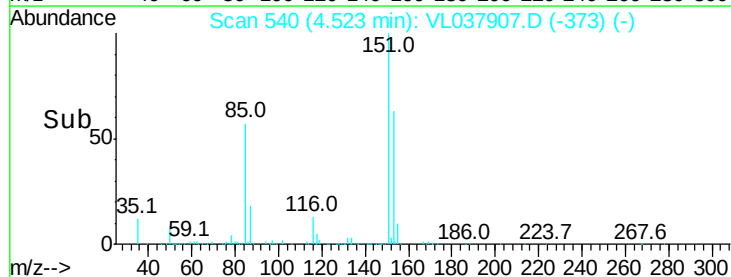
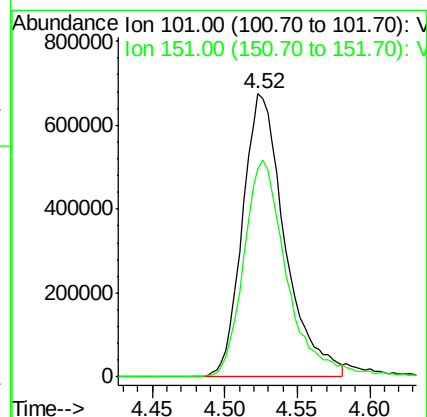
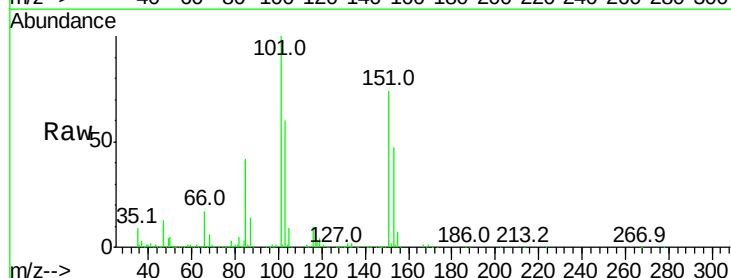
#11
 Trichlorofluoromethane
 Concen: 8.544 ppbv
 RT: 3.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 Oct 2021 8:50

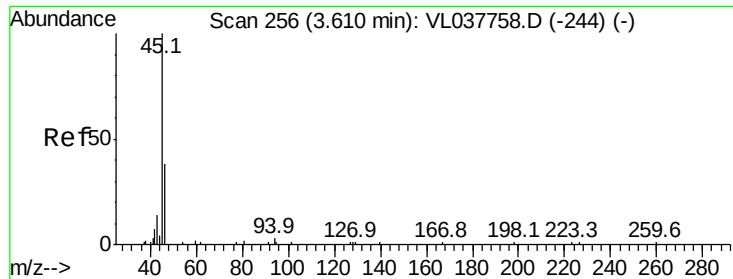
Tgt Ion:101 Resp: 1803738
 Ion Ratio Lower Upper
 101 100
 103 62.2 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.594 ppbv
 RT: 4.52 min Scan# 540
 Delta R.T. 0.04 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

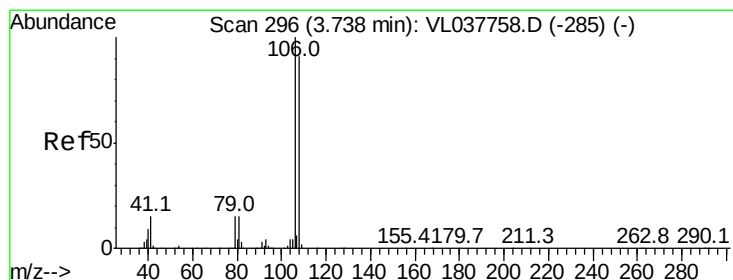
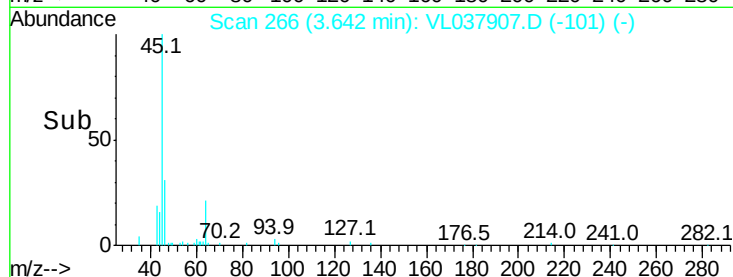
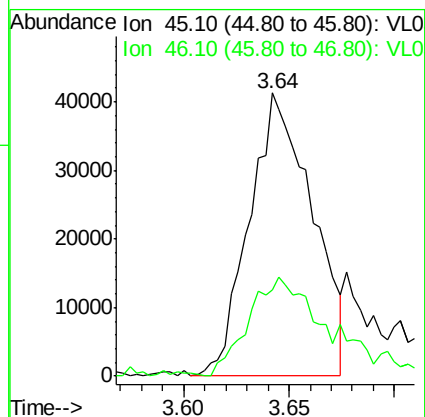
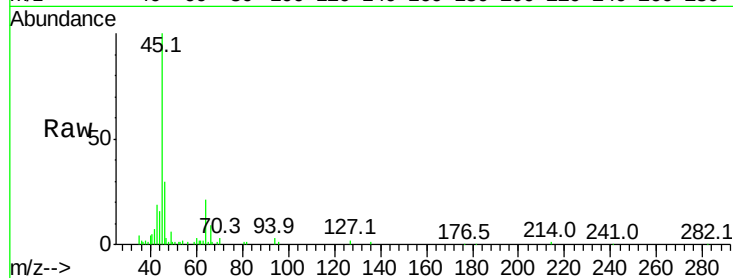
Tgt Ion:101 Resp: 1374728
 Ion Ratio Lower Upper
 101 100
 151 78.8 62.9 94.3





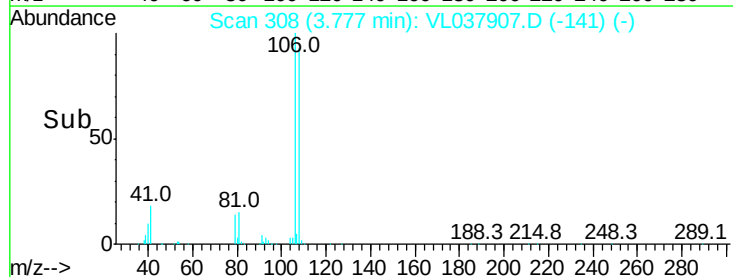
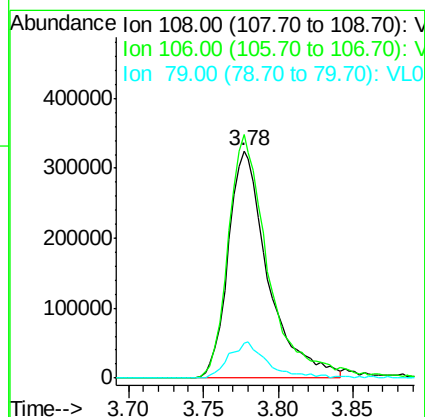
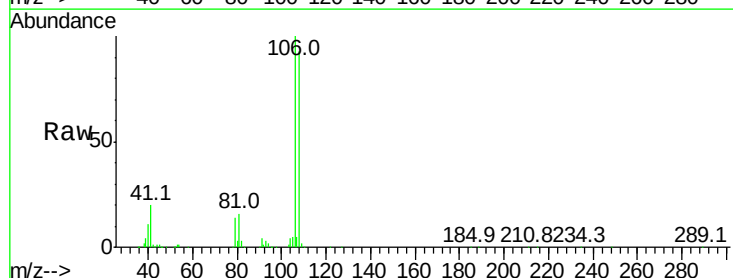
#13
Ethanol
Concen: 10.013 ppbv
RT: 3.64
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Oct 2021 8:50

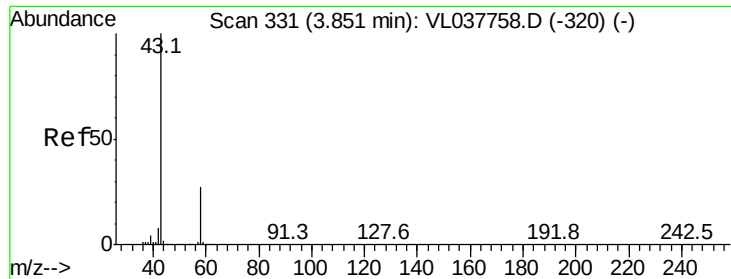
Tgt Ion: 45 Resp: 85760
Ion Ratio Lower Upper
45 100
46 49.5 20.2 81.0



#14
Bromoethene
Concen: 8.571 ppbv
RT: 3.78 min Scan# 308
Delta R.T. 0.04 min
Lab File: VL037907.D
Acq: 26 Oct 2021 8:50

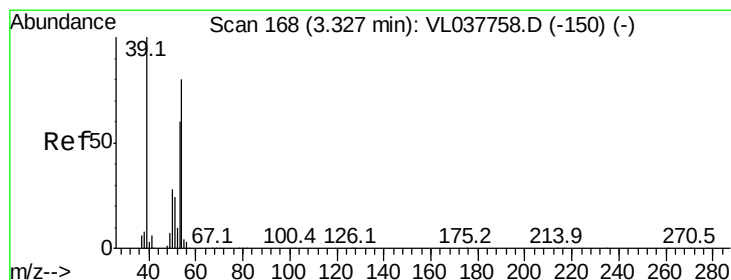
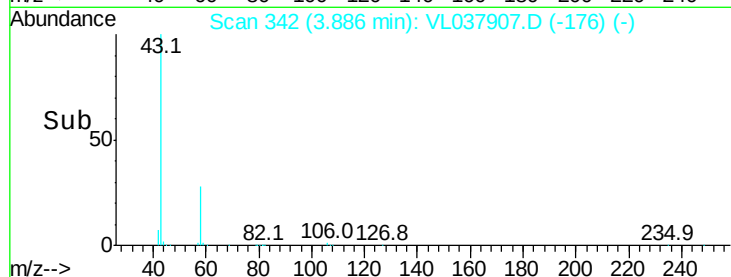
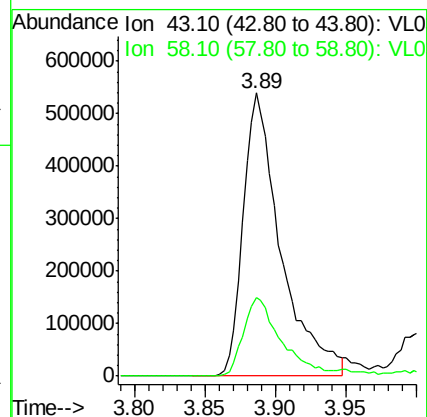
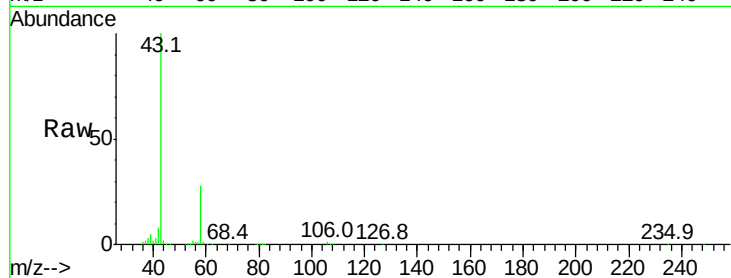
Tgt Ion: 108 Resp: 602836
Ion Ratio Lower Upper
108 100
106 109.8 91.9 137.9
79 16.6 13.9 20.9





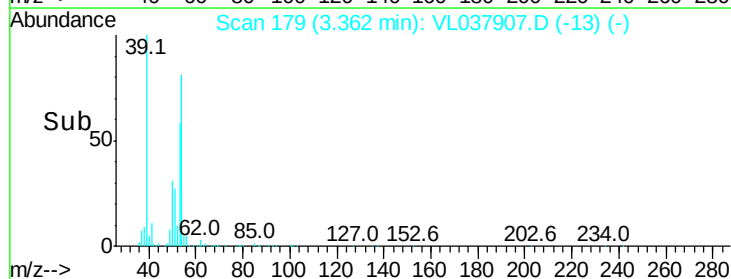
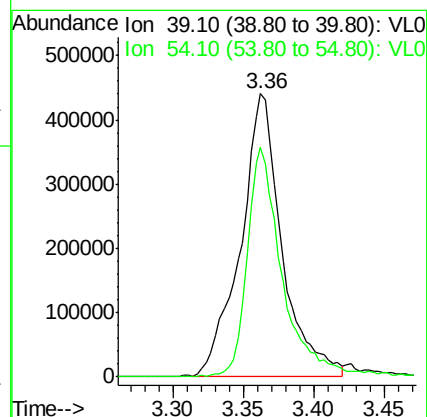
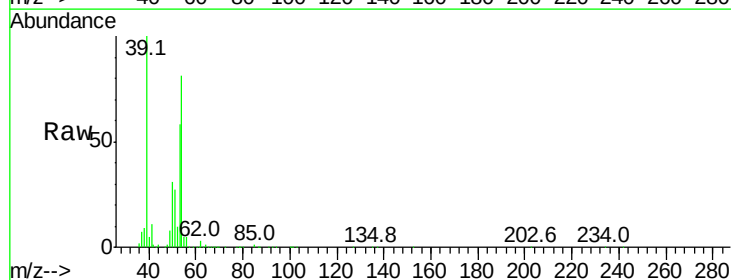
#15
Acetone
Concen: 7.577 ppbv
RT: 3.89
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Oct 2021 8:50

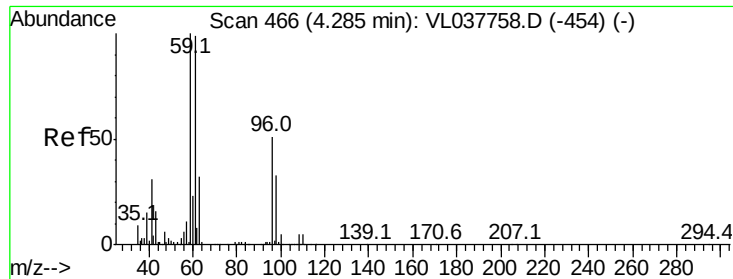
Tgt Ion: 43 Resp: 1007657
Ion Ratio Lower Upper
43 100
58 29.5 23.0 34.6



#16
1,3-Butadiene
Concen: 9.296 ppbv
RT: 3.36 min Scan# 179
Delta R.T. 0.04 min
Lab File: VL037907.D
Acq: 26 Oct 2021 8:50

Tgt Ion: 39 Resp: 899519
Ion Ratio Lower Upper
39 100
54 70.0 61.7 92.5





#17

tert-Butyl alcohol

Concen: 7.719 ppbv

RT: 4.32 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

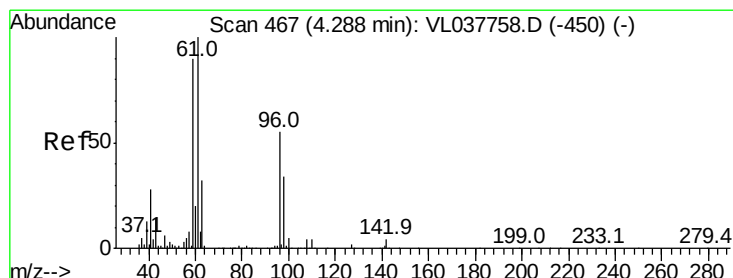
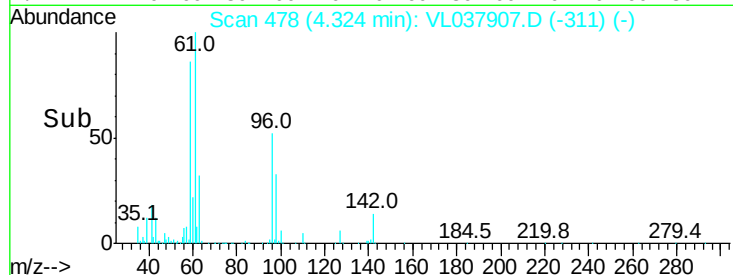
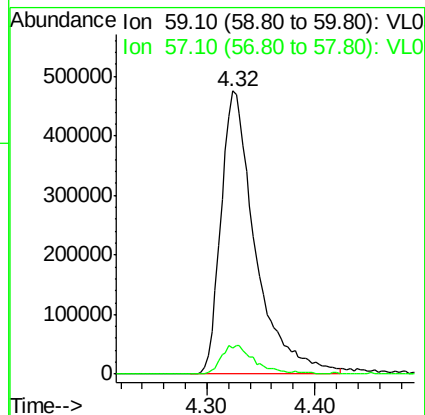
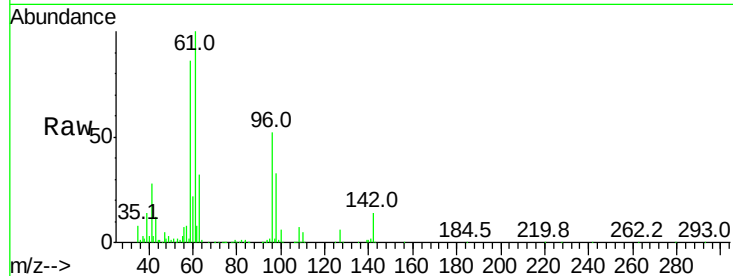
Acq: 26 Oct 2021 8:50 VSTDCCC010EC

Tgt Ion: 59 Resp: 1057239

Ion Ratio Lower Upper

59 100

57 10.1 8.6 13.0



#18

1,1-Dichloroethene

Concen: 8.490 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.04 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

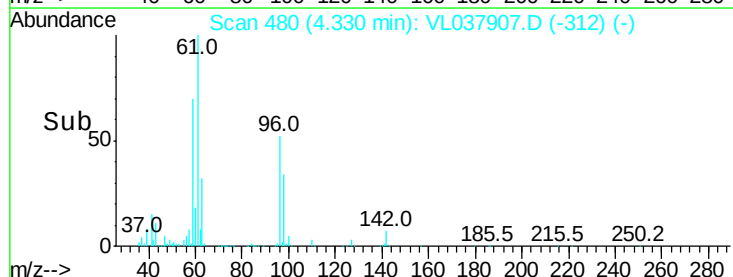
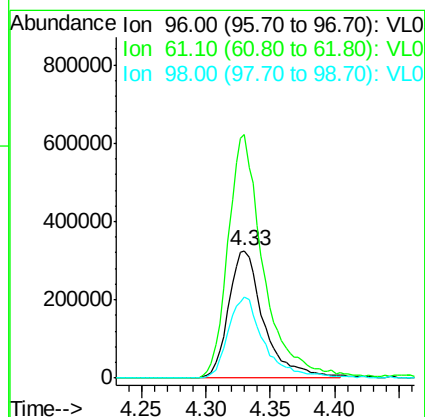
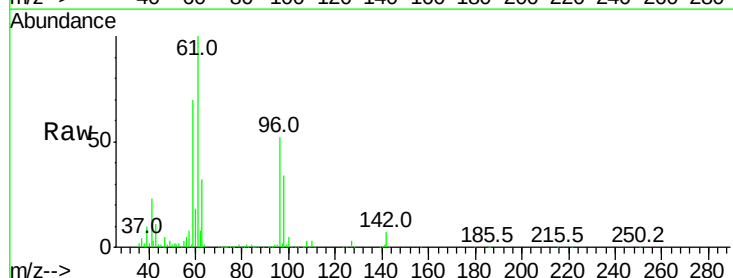
Tgt Ion: 96 Resp: 617199

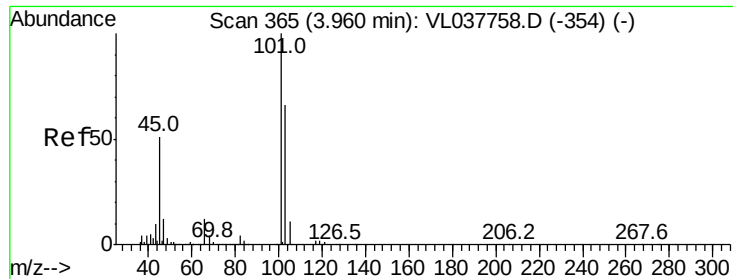
Ion Ratio Lower Upper

96 100

61 191.1 146.2 219.4

98 64.1 50.0 75.0





#19

Isopropyl Alcohol

Concen: 8.127 ppbv

RT: 4.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

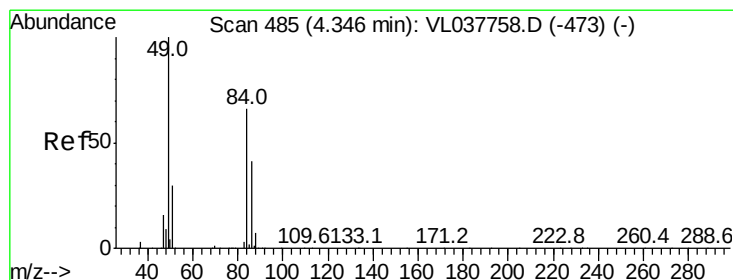
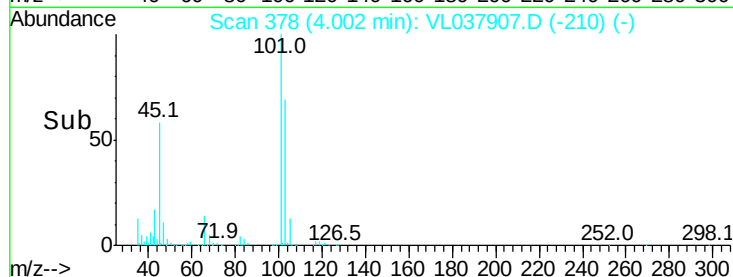
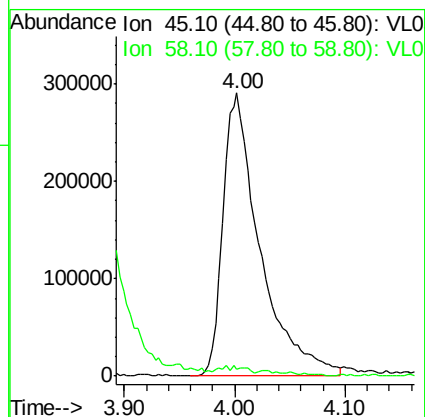
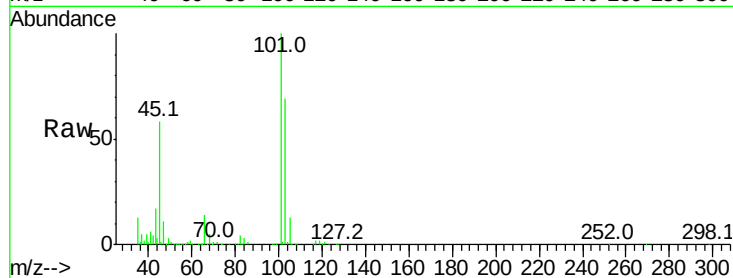
Acq: 26 Oct 2021 8:50

Tgt Ion: 45 Resp: 672409

Ion Ratio Lower Upper

45 100

58 4.5 1.1 1.7#



#20

Methylene Chloride

Concen: 7.609 ppbv

RT: 4.38 min Scan# 497

Delta R.T. 0.04 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

Tgt Ion: 84 Resp: 511247

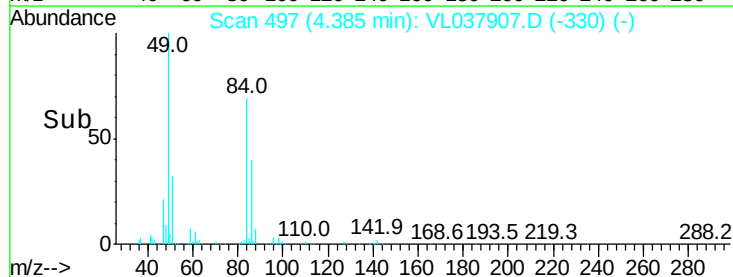
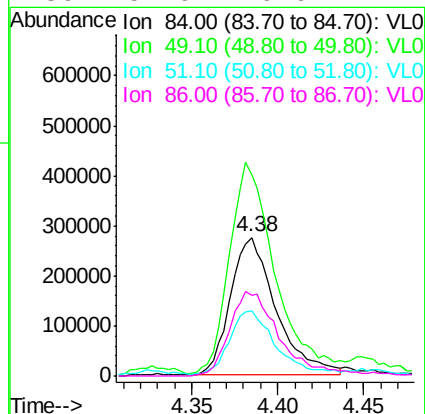
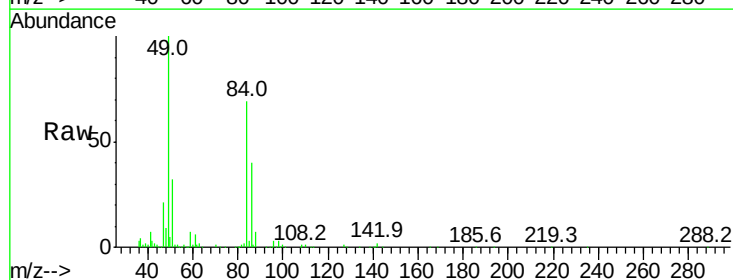
Ion Ratio Lower Upper

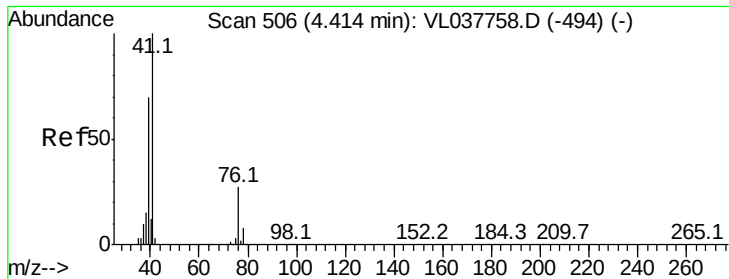
84 100

49 143.8 120.7 181.1

51 45.9 36.2 54.4

86 57.6 49.6 74.4





#21

Allyl Chloride

Concen: 7.059 ppbv

RT: 4.45

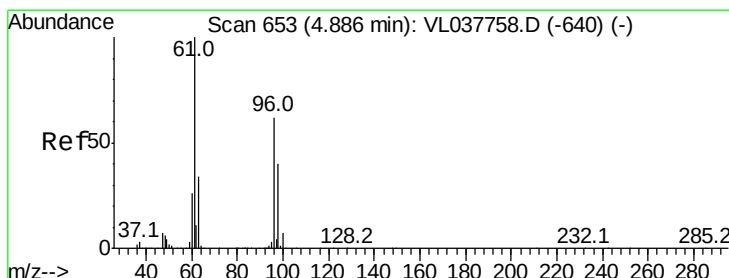
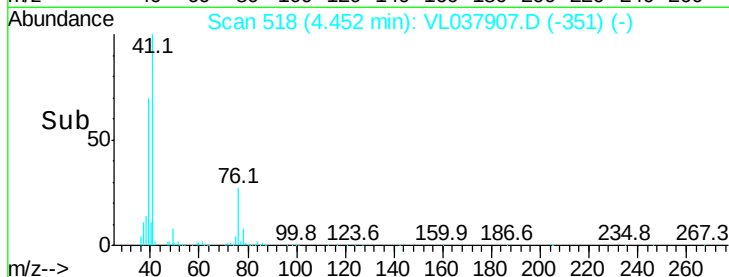
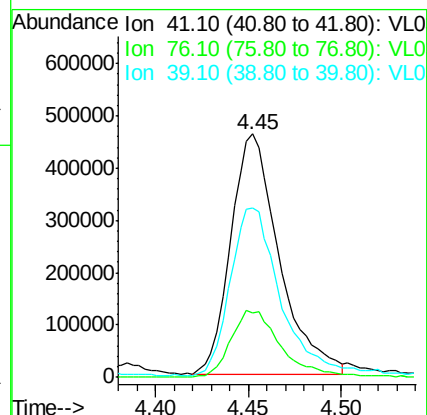
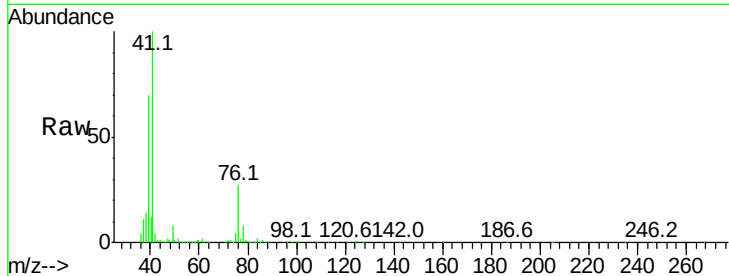
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Oct 2021 8:50

Tgt Ion: 41 Resp: 831649

Ion	Ratio	Lower	Upper
41	100		
76	29.6	22.4	33.6
39	77.5	58.0	87.0



#22

trans-1,2-Dichloroethene

Concen: 8.708 ppbv

RT: 4.93 min Scan# 666

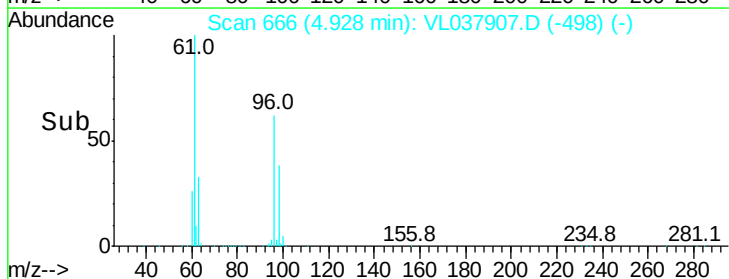
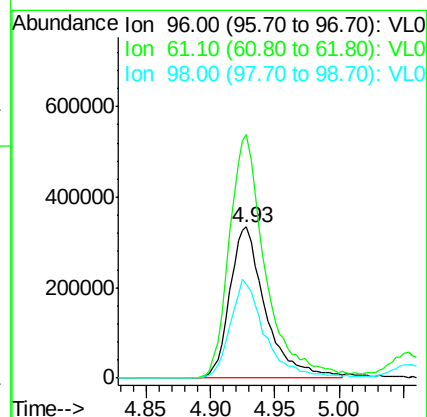
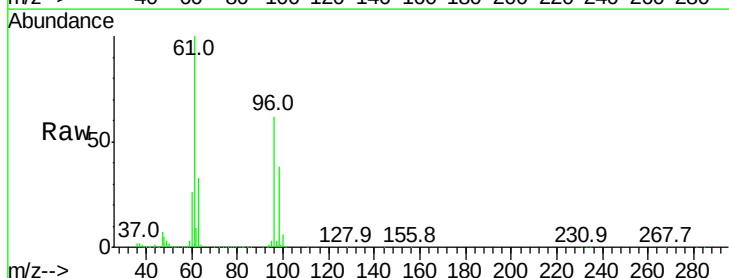
Delta R.T. 0.04 min

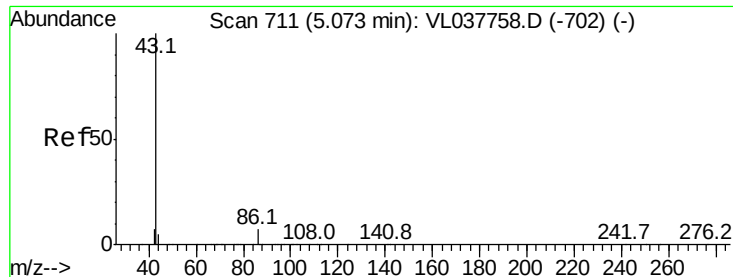
Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

Tgt Ion: 96 Resp: 636416

Ion	Ratio	Lower	Upper
96	100		
61	161.3	129.0	193.6
98	61.9	51.7	77.5





#23

Vinyl Acetate

Concen: 8.407 ppbv

RT: 5.11 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 26 Oct 2021 8:50 VSTDCCC010EC

Tgt Ion: 43 Resp: 1675523

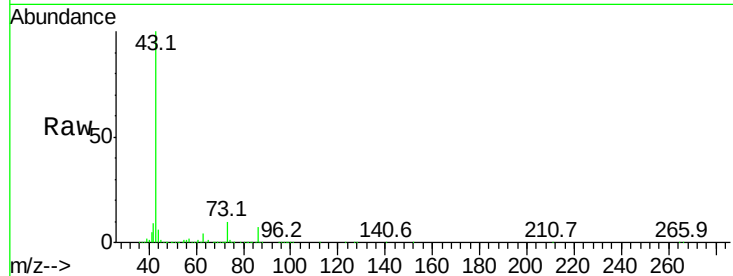
Ion Ratio Lower Upper

43 100

86 6.8 5.0 7.4

42 9.2 7.4 11.0

44 5.4 3.8 5.6

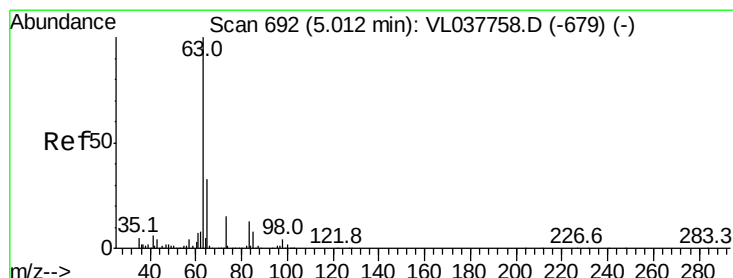
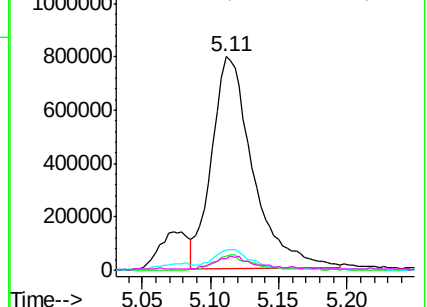
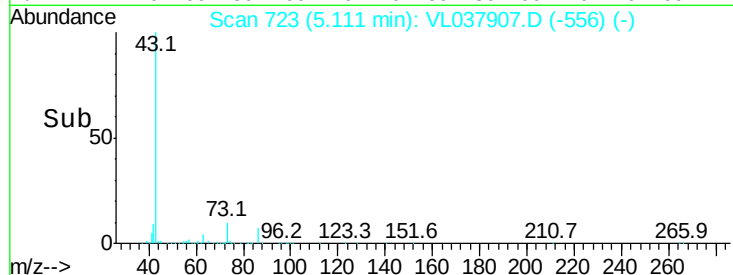


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.911 ppbv

RT: 5.05 min Scan# 705

Delta R.T. 0.04 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

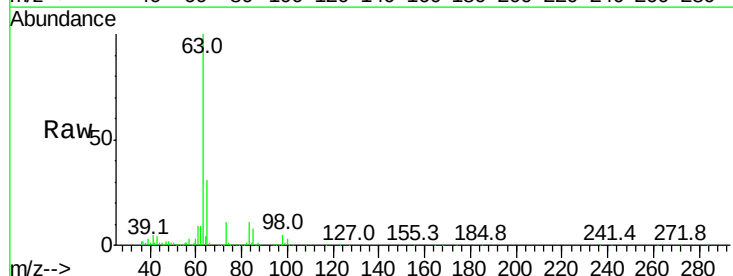
Tgt Ion: 63 Resp: 1292737

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

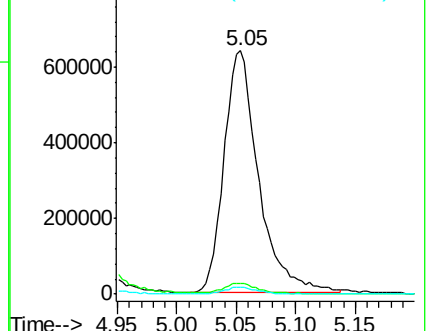
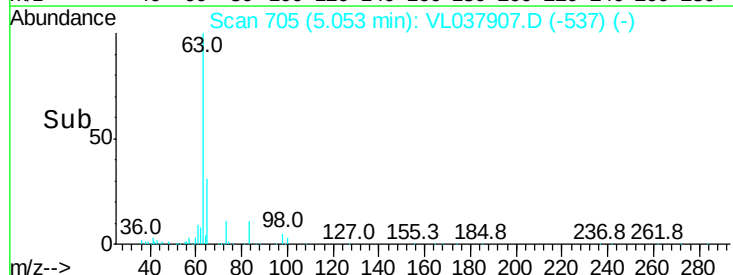
100 2.8 1.1 3.1

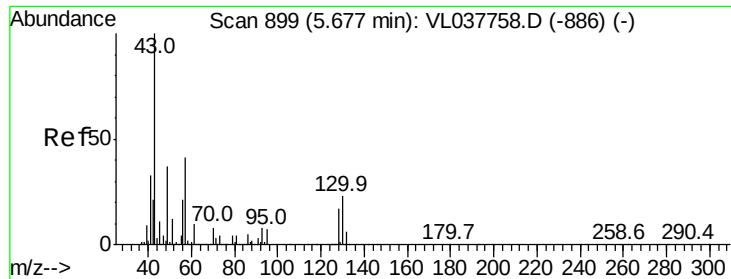


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

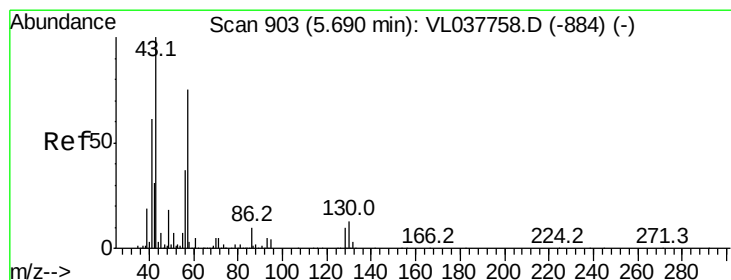
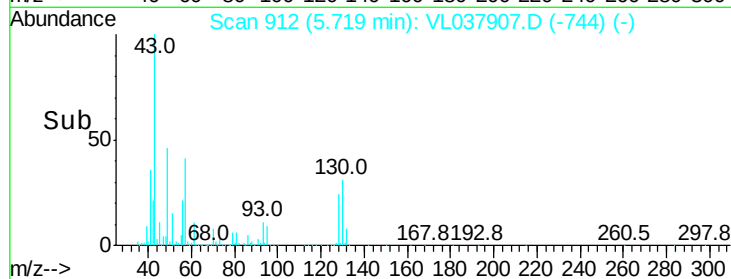
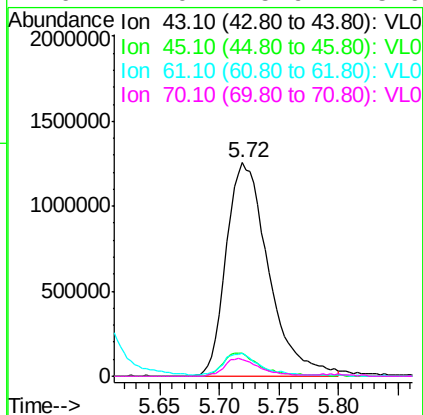
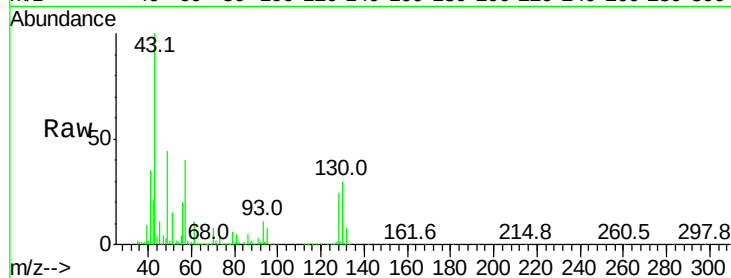
Ion 100.00 (99.70 to 100.70): VL0





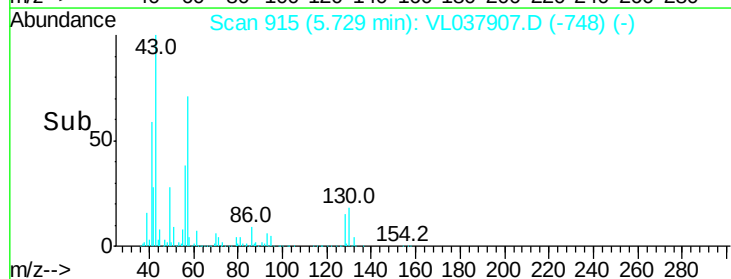
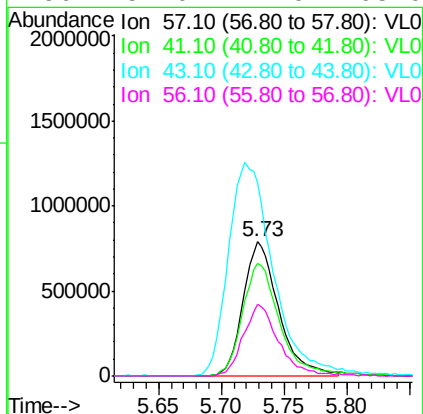
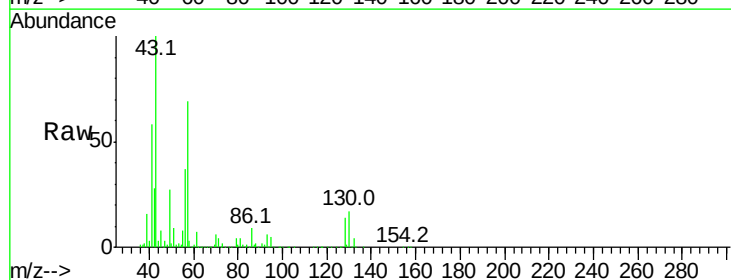
#25
Ethyl Acetate
Concen: 8.267 ppbv
RT: 5.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VSTDCCC010EC
Acq: 26 Oct 2021 8:50

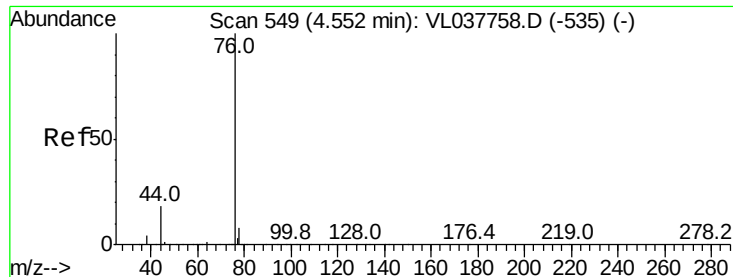
Tgt Ion:	43	Resp:	3085200
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	10.1	7.5	11.3
70	7.0	5.9	8.9



#26
Hexane
Concen: 8.466 ppbv
RT: 5.73 min Scan# 915
Delta R.T. 0.04 min
Lab File: VL037907.D
Acq: 26 Oct 2021 8:50

Tgt Ion:	57	Resp:	1555595
Ion	Ratio	Lower	Upper
57	100		
41	89.4	69.6	104.4
43	202.1	171.4	257.0
56	54.0	42.0	63.0





#27

Carbon Disulfide

Concen: 9.349 ppbv

RT: 4.59 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 26 Oct 2021 8:50 VSTDCCC010EC

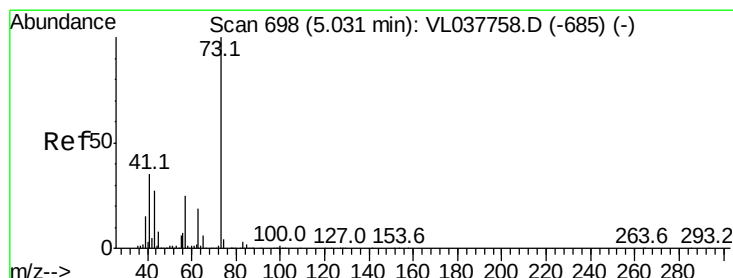
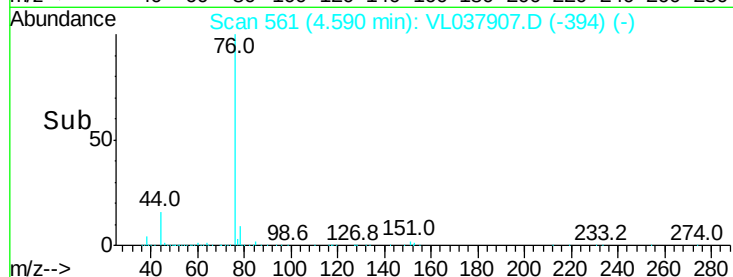
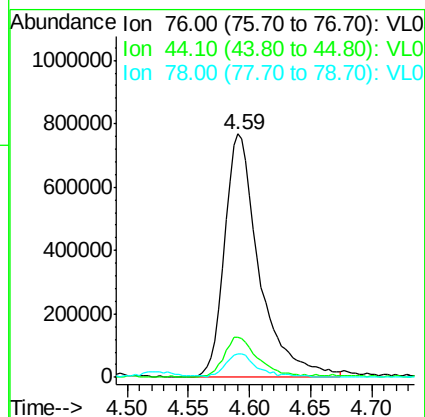
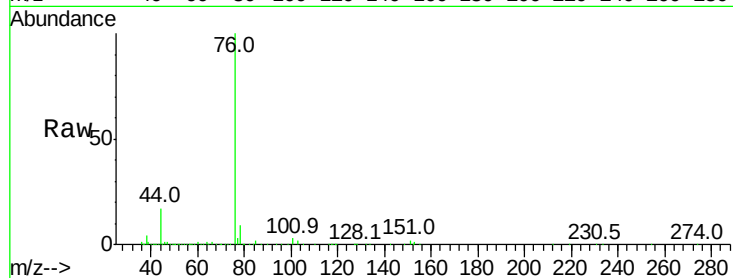
Tgt Ion: 76 Resp: 1522570

Ion Ratio Lower Upper

76 100

44 16.6 14.3 21.5

78 9.3 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 7.663 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.04 min

Lab File: VL037907.D

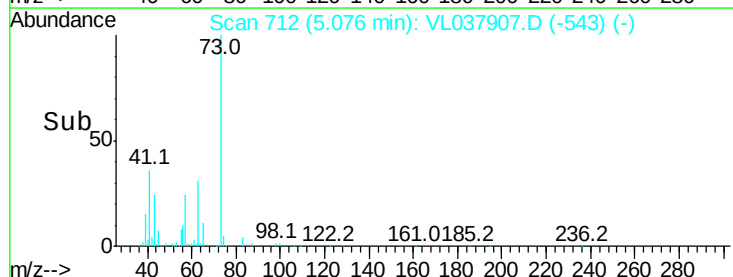
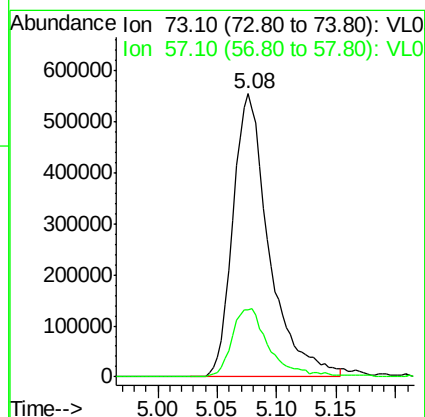
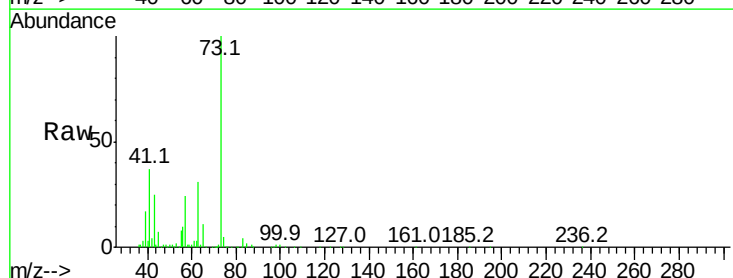
Acq: 26 Oct 2021 8:50

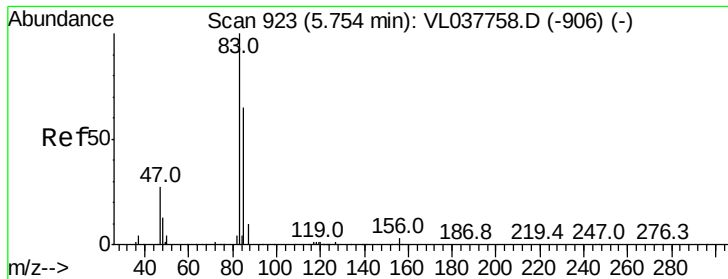
Tgt Ion: 73 Resp: 1172359

Ion Ratio Lower Upper

73 100

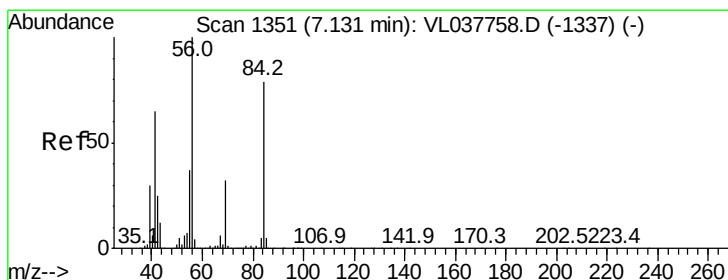
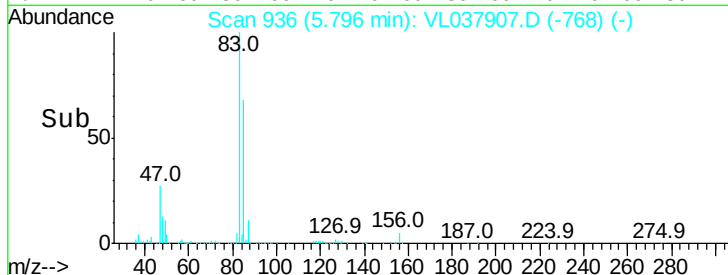
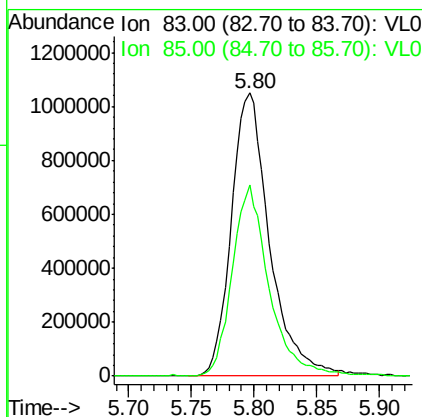
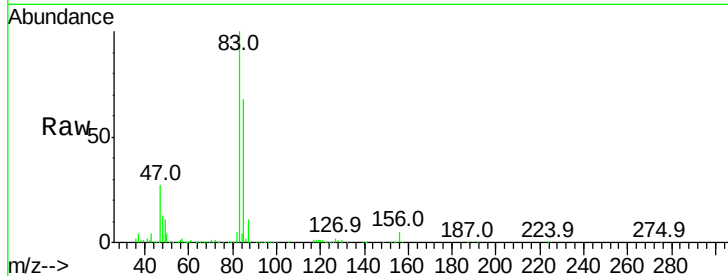
57 25.3 20.4 30.6





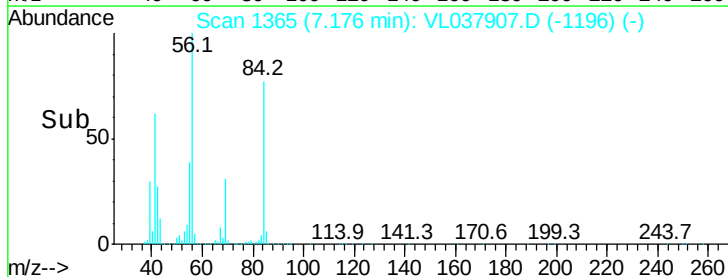
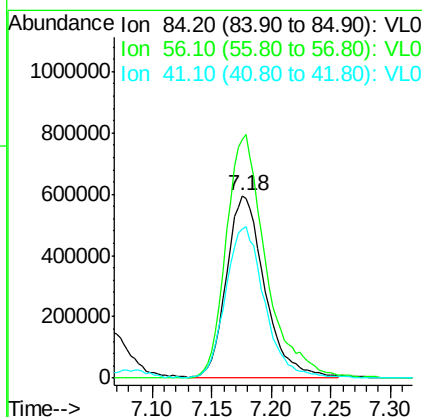
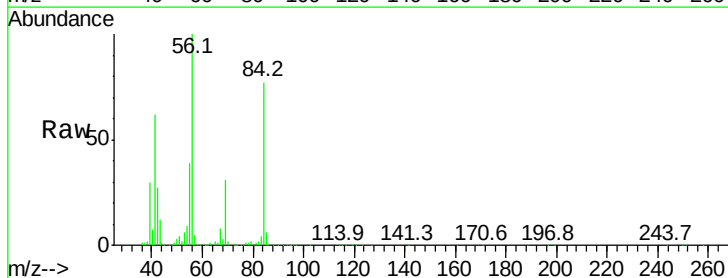
#29
Chloroform
Concen: 8.449 ppbv
RT: 5.80
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Oct 2021 8:50

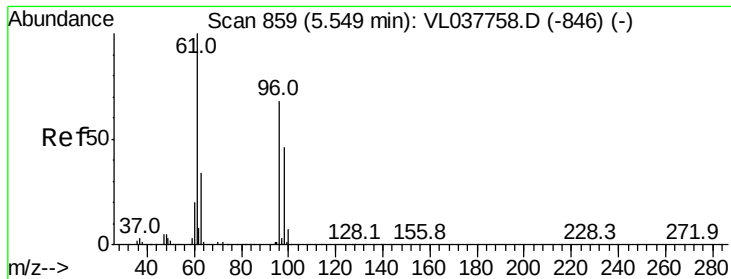
Tgt Ion: 83 Resp: 2219299
Ion Ratio Lower Upper
83 100
85 67.5 51.8 77.8



#30
Cyclohexane
Concen: 8.549 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.04 min
Lab File: VL037907.D
Acq: 26 Oct 2021 8:50

Tgt Ion: 84 Resp: 1332143
Ion Ratio Lower Upper
84 100
56 138.5 113.0 169.4
41 84.2 69.1 103.7





#31

cis-1,2-Dichloroethene

Concen: 8.260 ppbv

RT: 5.59

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Oct 2021 8:50

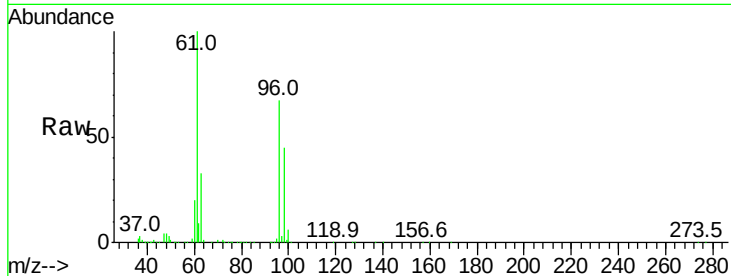
Tgt Ion: 61 Resp: 1377963

Ion Ratio Lower Upper

61 100

96 66.5 54.2 81.2

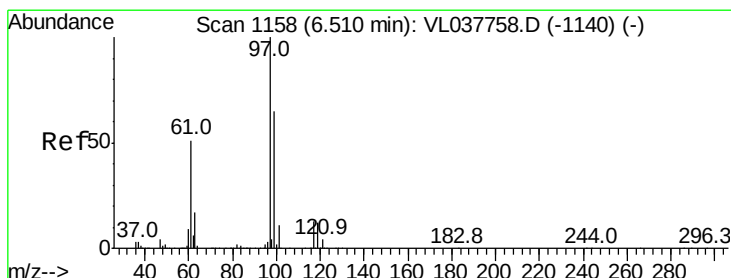
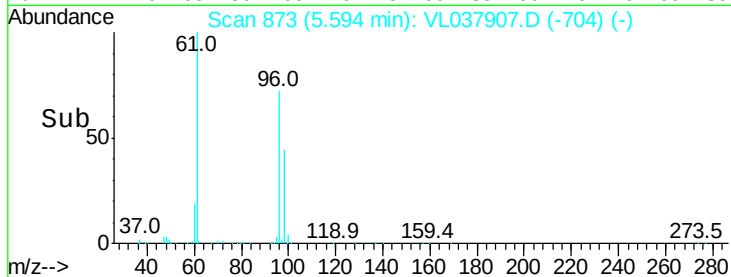
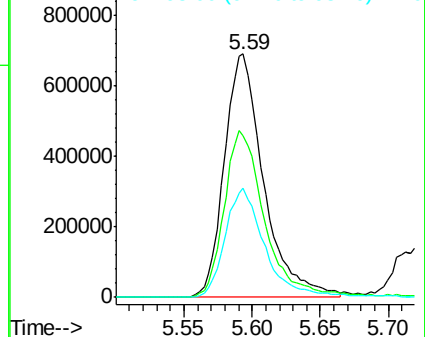
98 44.5 36.6 54.8



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: 8.416 ppbv

RT: 6.56 min Scan# 1172

Delta R.T. 0.04 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

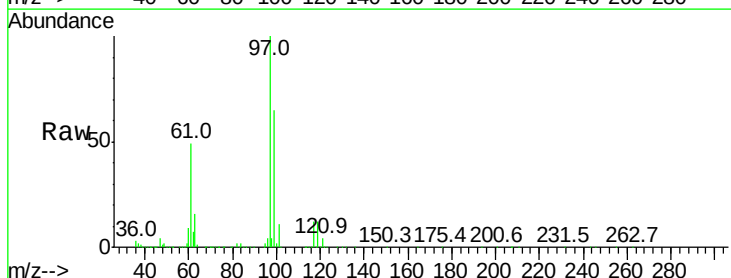
Tgt Ion: 97 Resp: 2095686

Ion Ratio Lower Upper

97 100

99 65.5 52.6 78.8

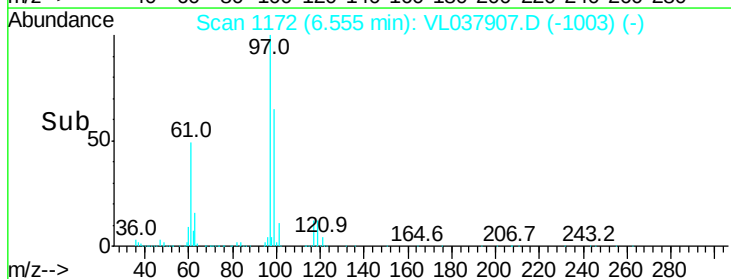
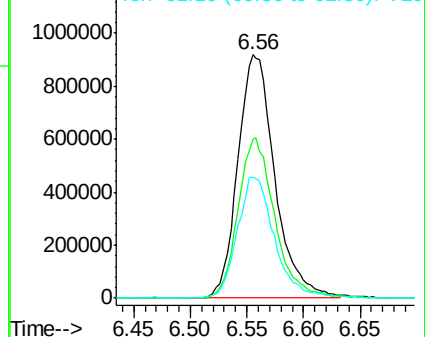
61 50.2 40.2 60.4

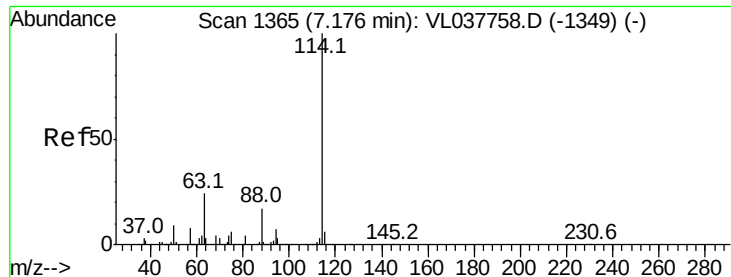


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

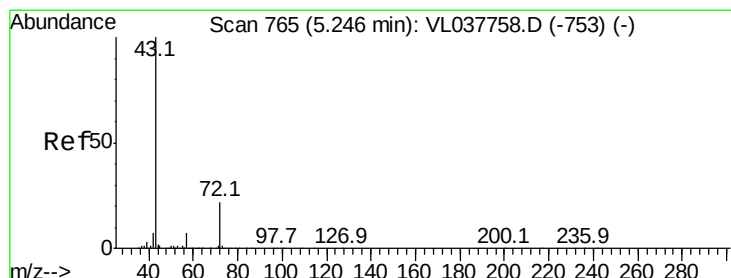
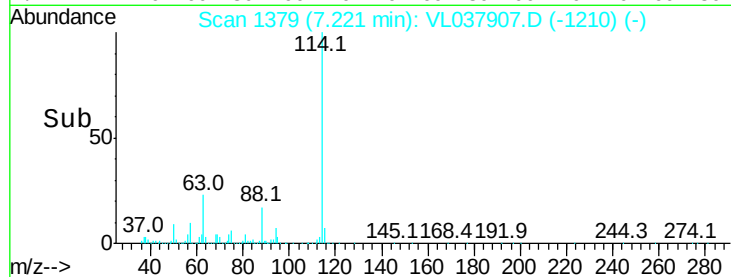
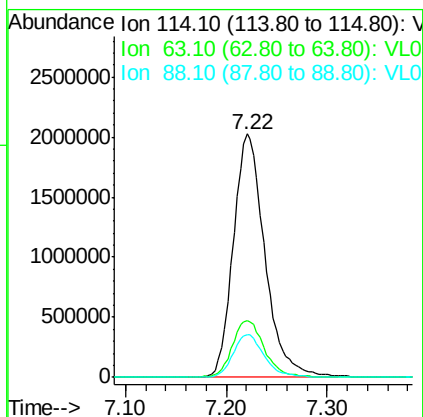
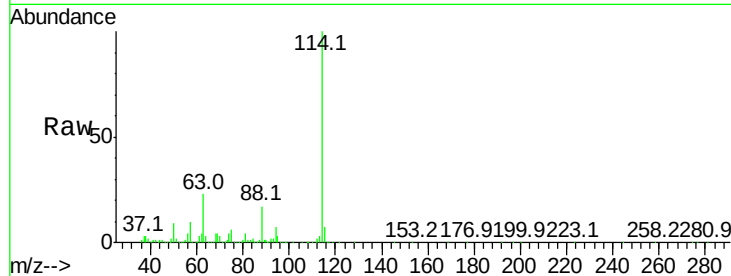




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VSTDCCC010EC
 Acq: 26 Oct 2021 8:50

Tgt Ion: 114 Resp: 4402414

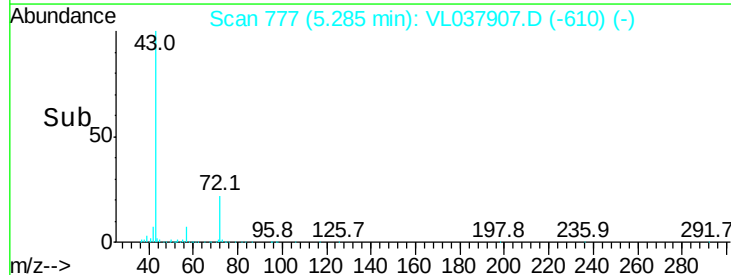
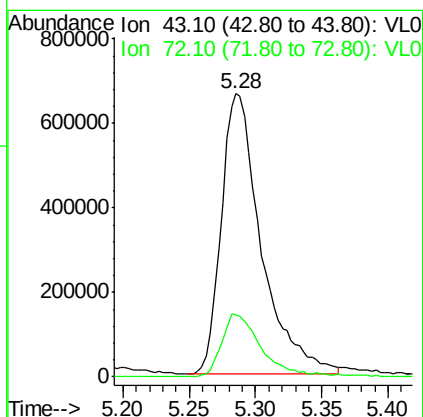
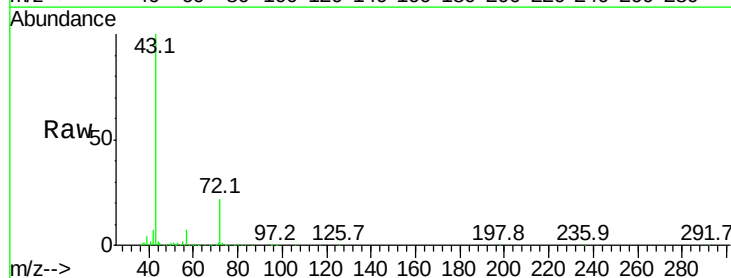
Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.2
88	17.6	14.4	21.6

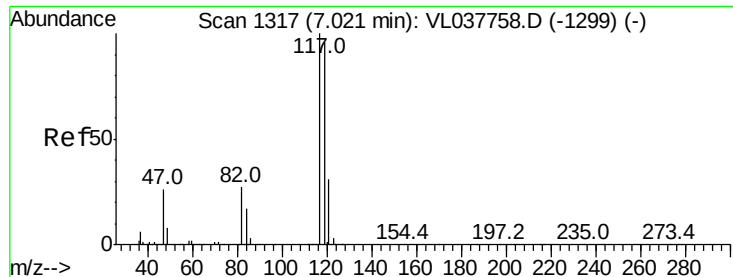


#34
 2-Butanone
 Concen: 7.779 ppbv
 RT: 5.28 min Scan# 777
 Delta R.T.: 0.04 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion: 43 Resp: 1382551

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.2	27.2

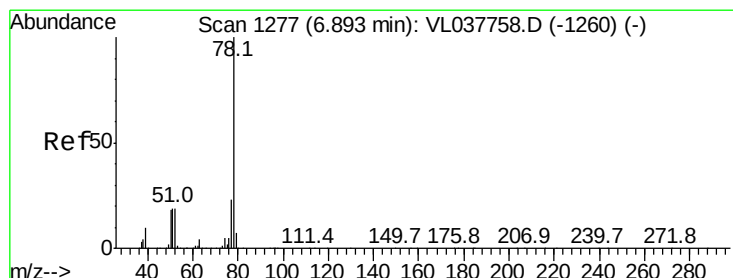
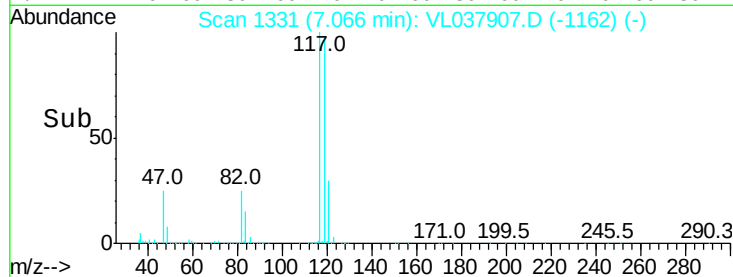
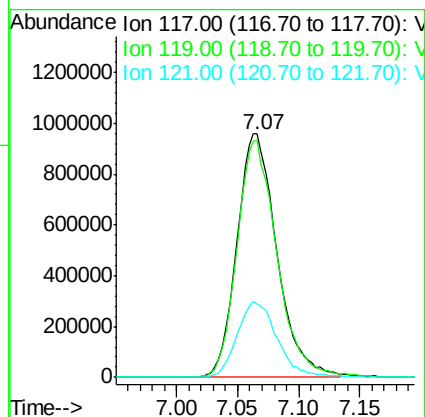
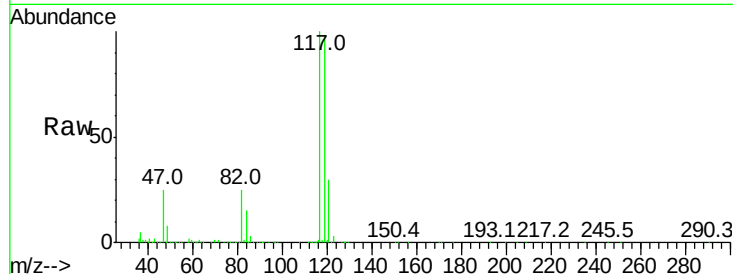




#35
 Carbon Tetrachloride
 Concen: 8.678 ppbv
 RT: 7.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Oct 2021 8:50

Tgt Ion: 117 Resp: 2169627

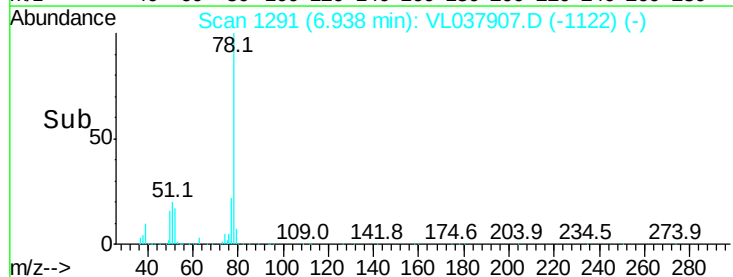
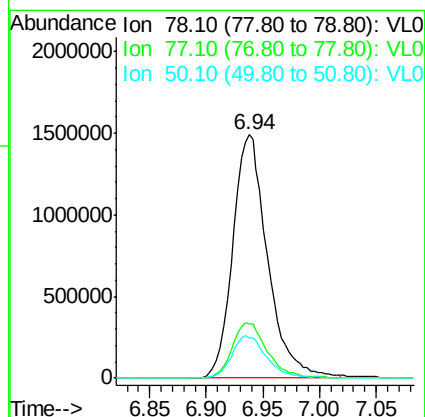
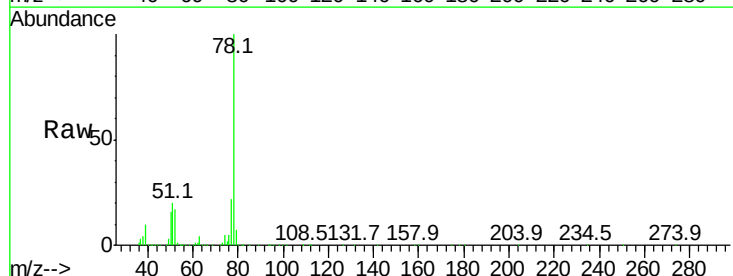
Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.5	114.7
121	30.3	24.9	37.3

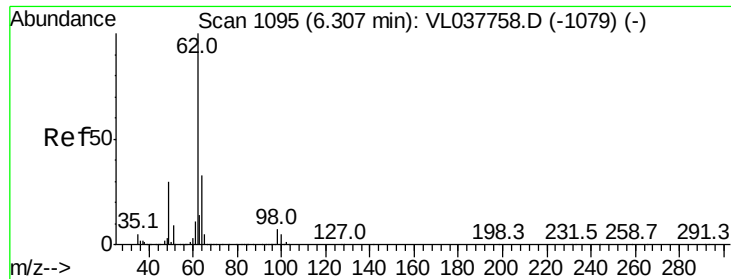


#36
 Benzene
 Concen: 8.472 ppbv
 RT: 6.94 min Scan# 1291
 Delta R.T. 0.04 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion: 78 Resp: 3185730

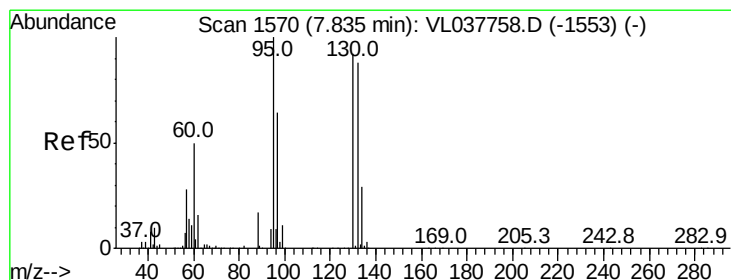
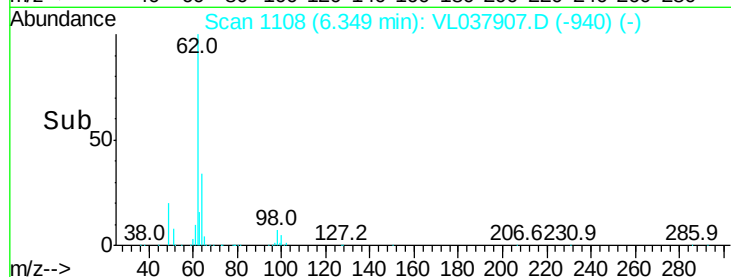
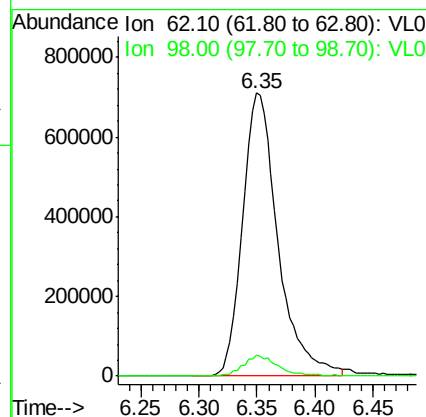
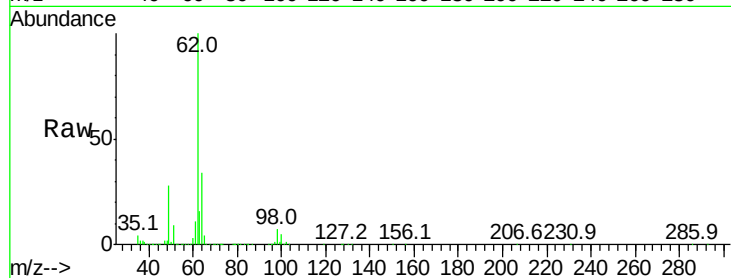
Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.8	28.2
50	16.5	14.7	22.1





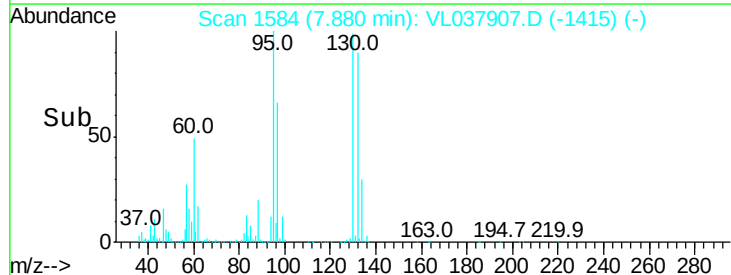
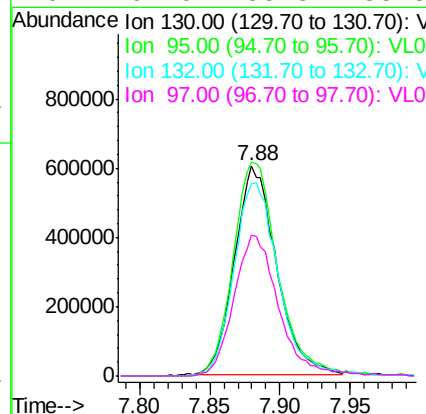
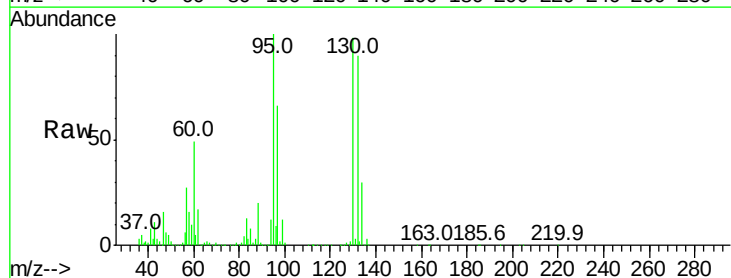
#37
 1,2-Dichloroethane
 Concen: 8.508 ppbv
 RT: 6.35
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 Oct 2021 8:50

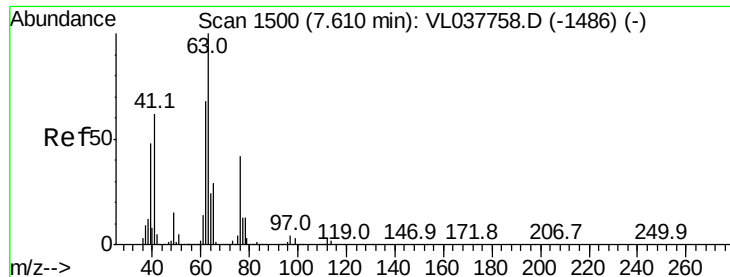
Tgt Ion: 62 Resp: 1506341
 Ion Ratio Lower Upper
 62 100
 98 7.3 6.1 9.1



#38
 Trichloroethene
 Concen: 8.532 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.04 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion: 130 Resp: 1267490
 Ion Ratio Lower Upper
 130 100
 95 101.7 87.4 131.0
 132 91.5 76.8 115.2
 97 67.0 55.8 83.8





#39

1,2-Dichloropropane

Concen: 8.629 ppbv

RT: 7.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 26 Oct 2021 8:50 VSTDCCC010EC

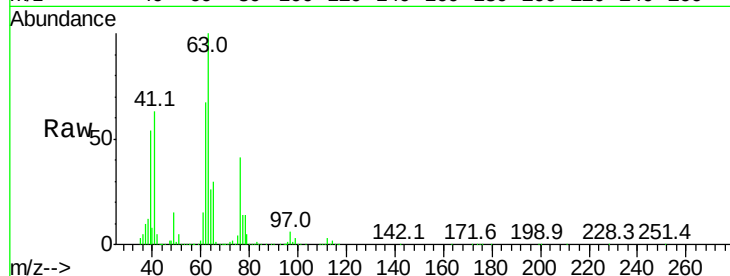
Tgt Ion: 63 Resp: 1220496

Ion Ratio Lower Upper

63 100

41 63.2 49.8 74.6

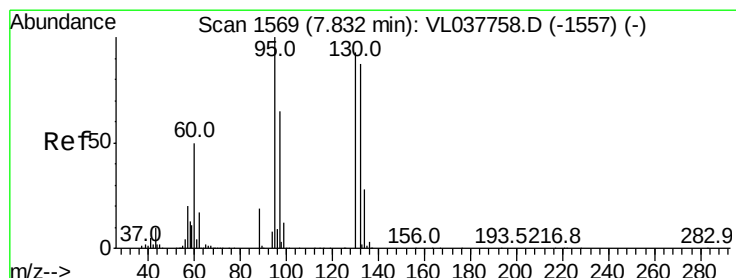
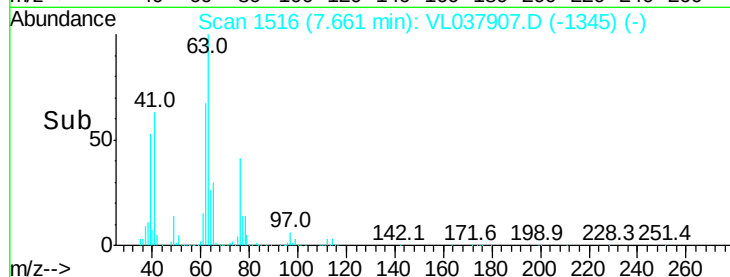
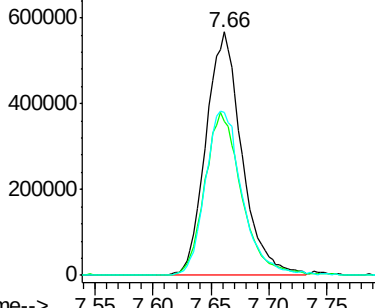
62 67.1 54.6 82.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 7.926 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.05 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

Tgt Ion: 88 Resp: 280532

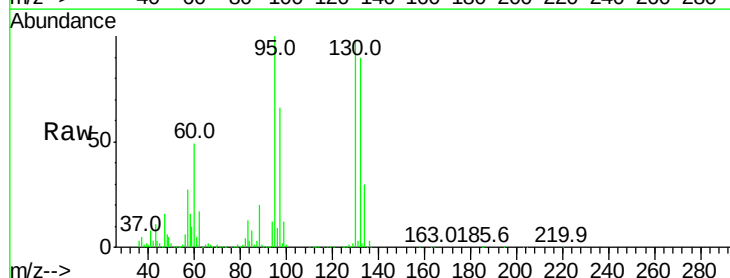
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

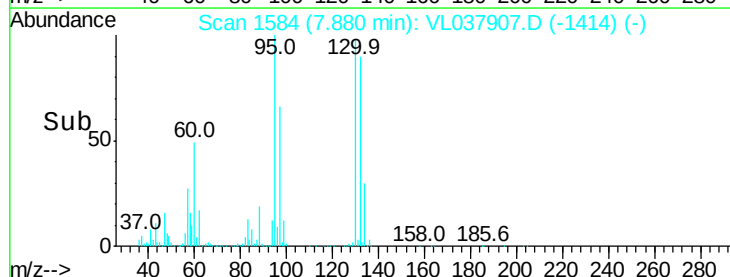
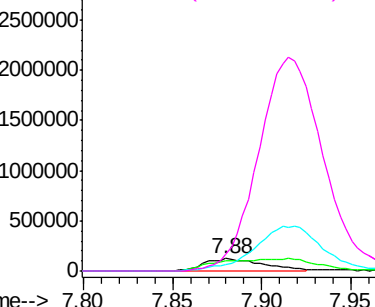


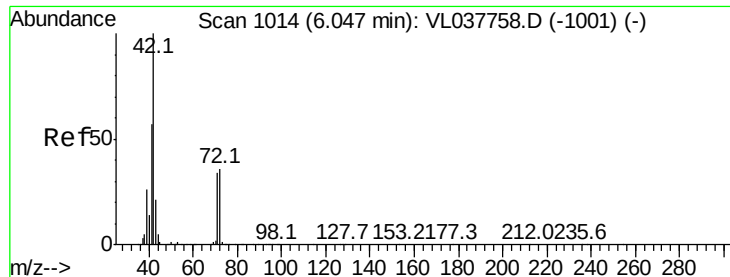
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 7.573 ppbv

RT: 6.10

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Oct 2021 8:50

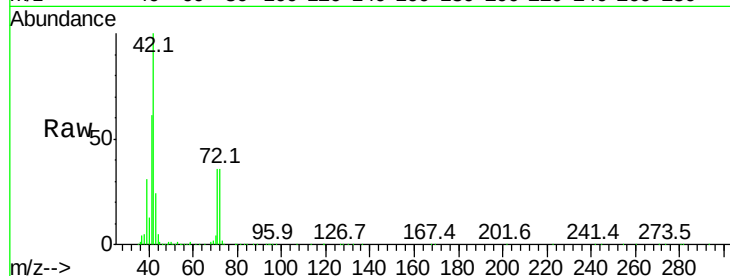
Tgt Ion: 42 Resp: 659073

Ion Ratio Lower Upper

42 100

72 37.9 31.9 47.9

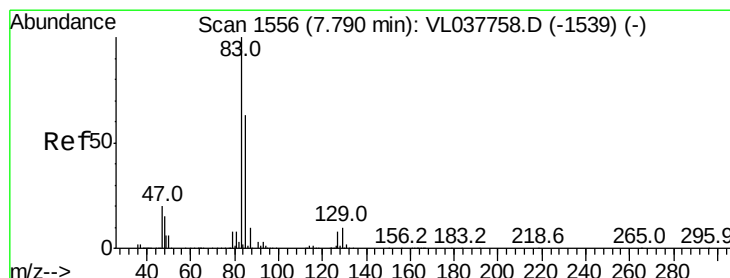
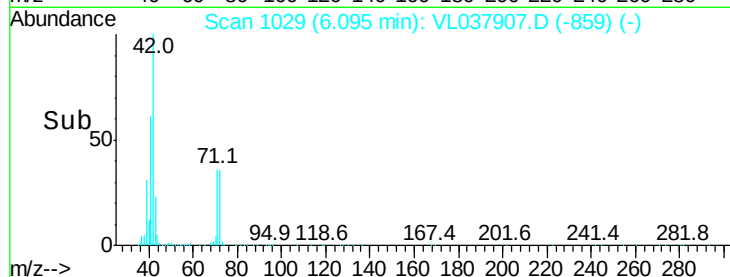
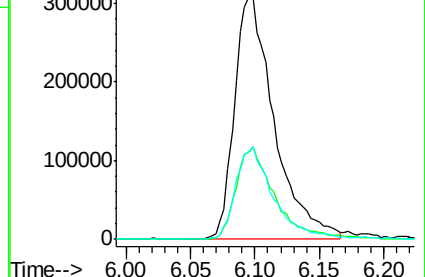
71 36.9 30.3 45.5



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.002 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.04 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

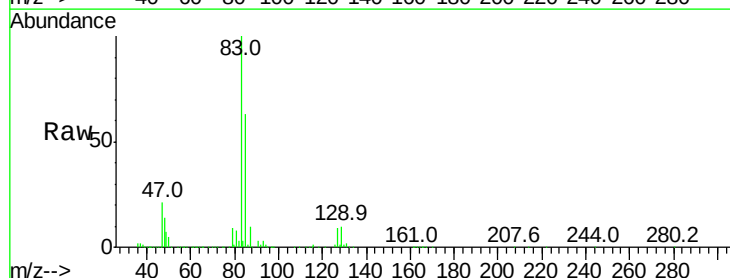
Tgt Ion: 83 Resp: 2341243

Ion Ratio Lower Upper

83 100

85 63.1 50.6 75.8

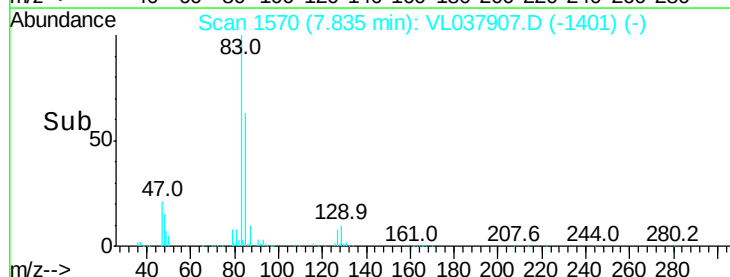
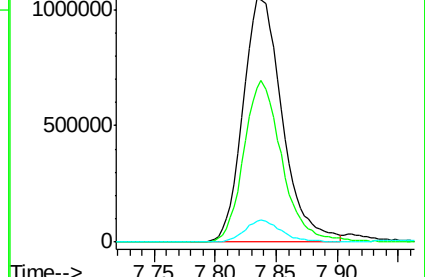
127 8.5 6.2 9.4

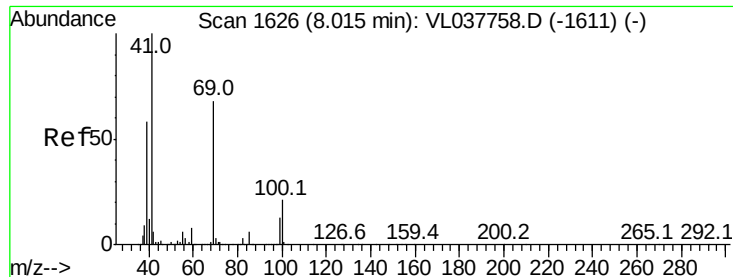


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0





#43

Methyl Methacrylate

Concen: 9.536 ppbv

RT: 8.06

Instrument: MSVOA_1

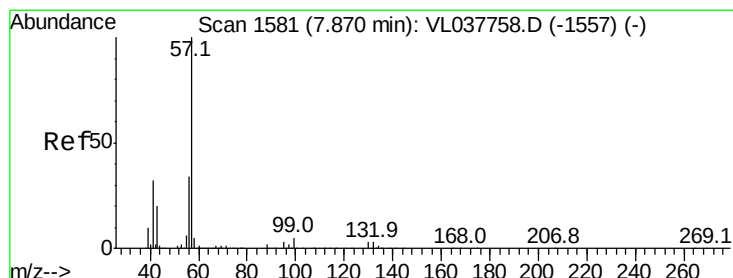
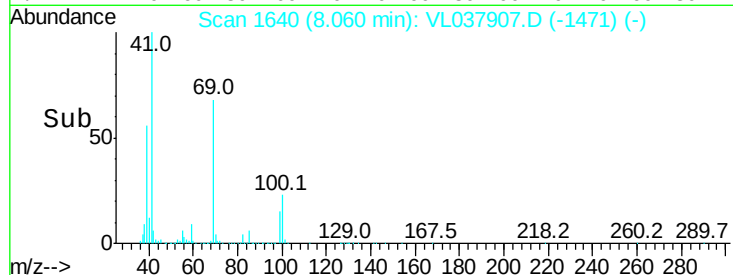
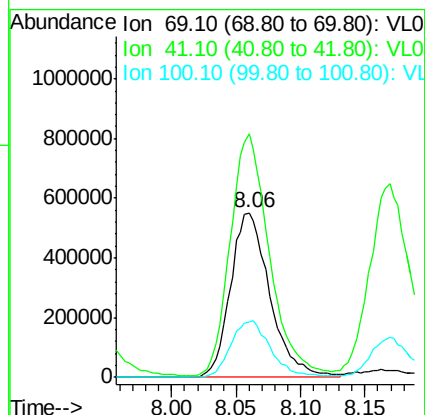
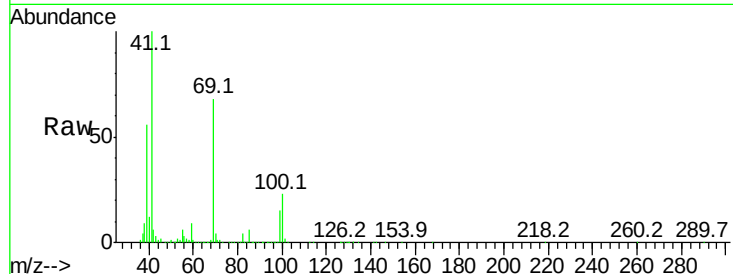
Delta R.T. ClientSampleId:

Lab File: VSTDCCC010EC

Acq: 26 Oct 2021 8:50

Tgt Ion: 69 Resp: 1171244

Ion	Ratio	Lower	Upper
69	100		
41	147.6	121.0	181.4
100	34.8	27.7	41.5



#44

2,2,4-Trimethylpentane

Concen: 8.587 ppbv

RT: 7.92 min Scan# 1595

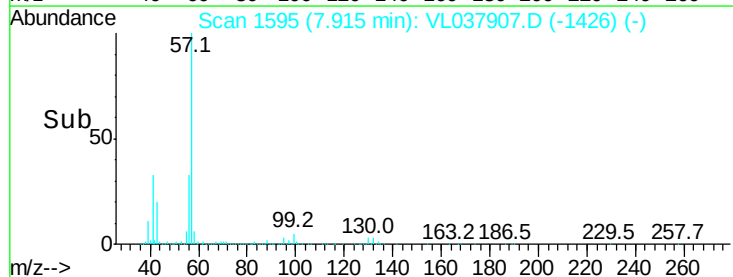
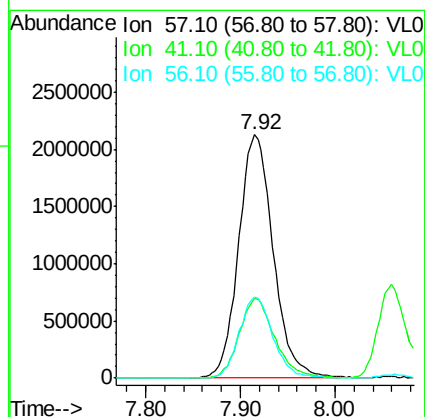
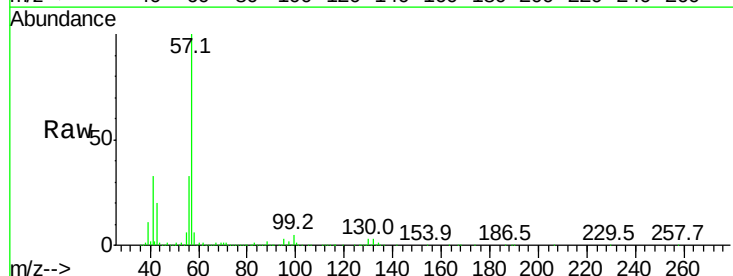
Delta R.T. 0.04 min

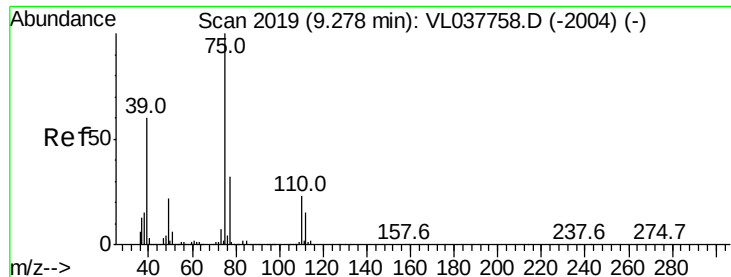
Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

Tgt Ion: 57 Resp: 5425003

Ion	Ratio	Lower	Upper
57	100		
41	33.8	25.6	38.4
56	32.5	25.5	38.3





#45

t-1,3-Dichloropropene

Concen: 4.895 ppbv

RT: 9.33 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VSTDCCC010EC

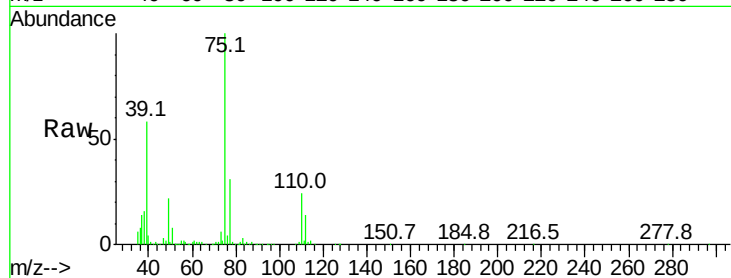
Acq: 26 Oct 2021 8:50

Tgt Ion: 75 Resp: 413669

Ion Ratio Lower Upper

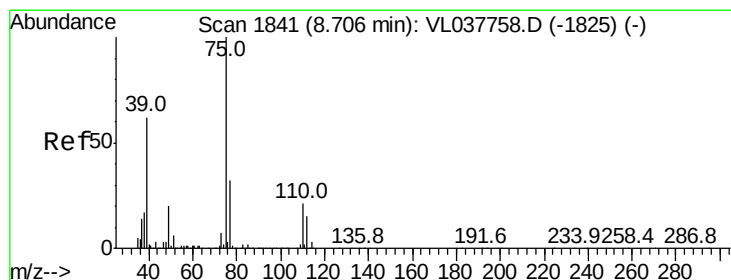
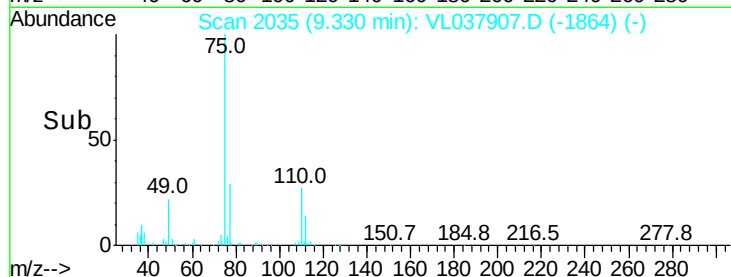
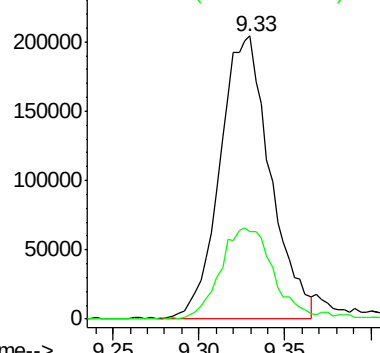
75 100

77 30.8 25.2 37.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 6.901 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.04 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

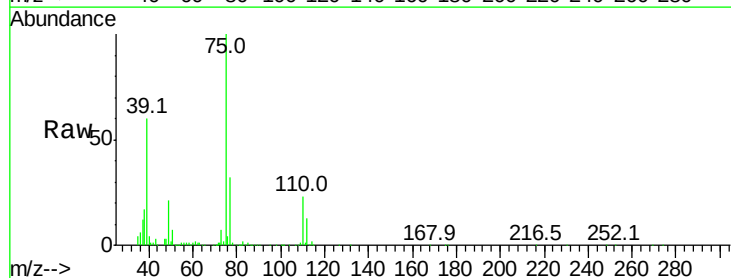
Tgt Ion: 75 Resp: 808300

Ion Ratio Lower Upper

75 100

39 60.1 49.9 74.9

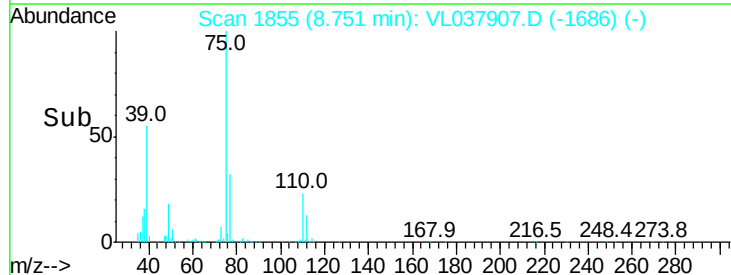
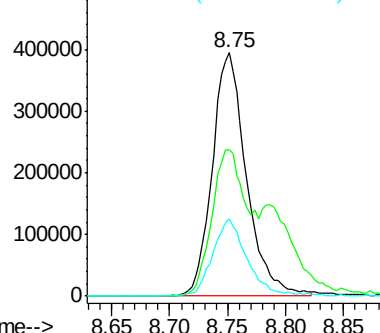
77 31.9 25.9 38.9

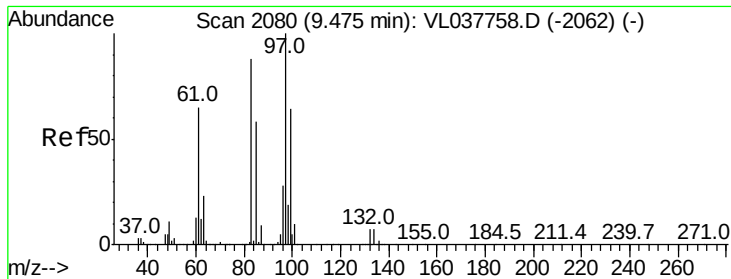


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

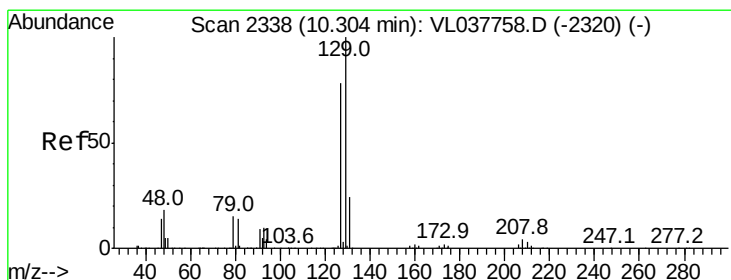
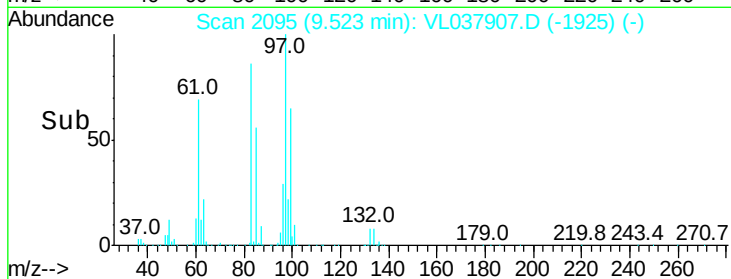
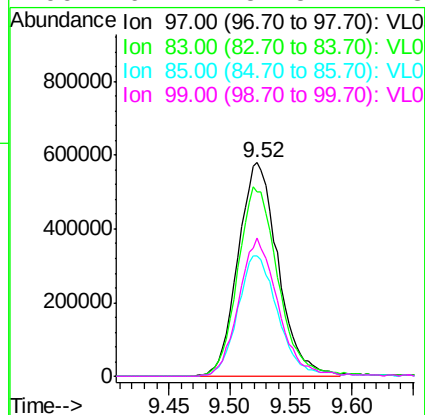
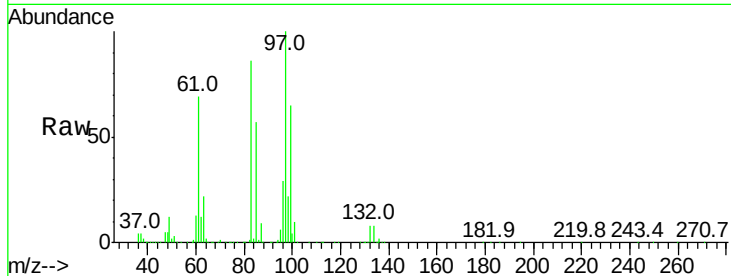




#47
 1,1,2-Trichloroethane
 Concen: 8.555 ppbv
 RT: 9.52
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Oct 2021 8:50 VSTDCCC010EC

Tgt Ion: 97 Resp: 1315396

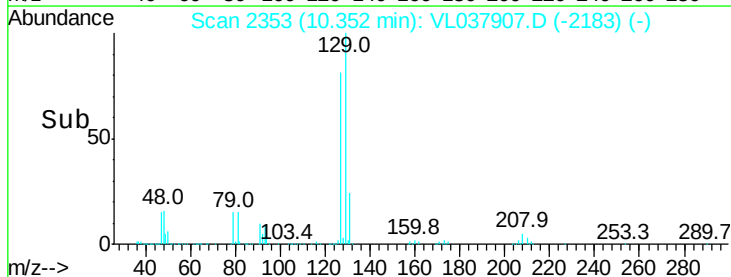
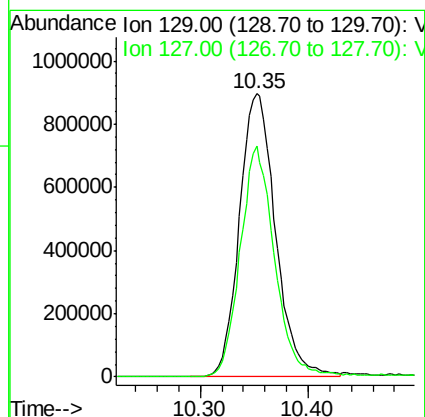
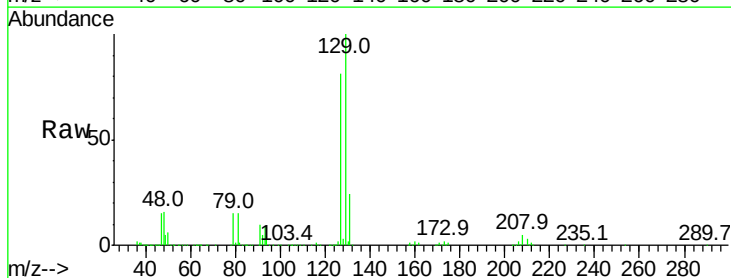
Ion	Ratio	Lower	Upper
97	100		
83	86.3	70.6	105.8
85	56.5	45.9	68.9
99	64.7	51.5	77.3

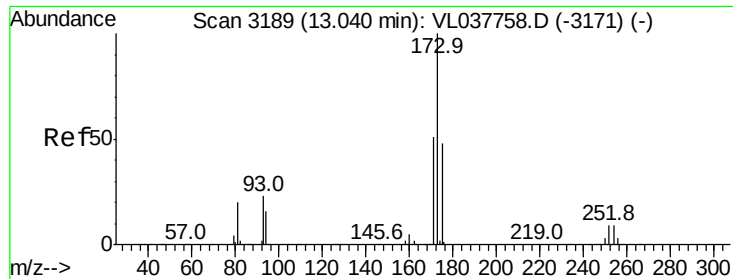


#48
 Dibromochloromethane
 Concen: 9.520 ppbv
 RT: 10.35 min Scan# 2353
 Delta R.T. 0.05 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion: 129 Resp: 2086809

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.5	118.5





#49

Bromoform

Concen: 10.389 ppbv

RT: 13.09

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 26 Oct 2021 8:50

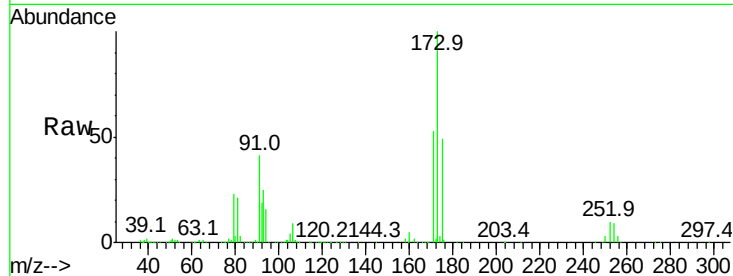
Tgt Ion:173 Resp: 1742433

Ion Ratio Lower Upper

173 100

175 51.4 39.9 59.9

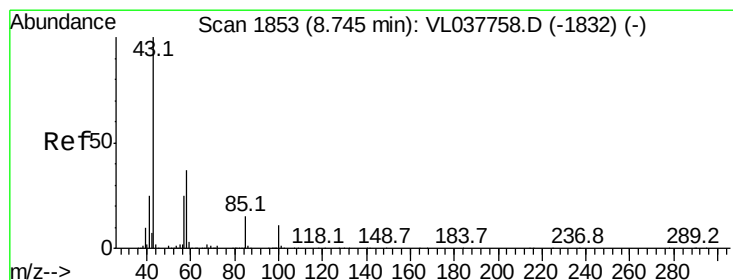
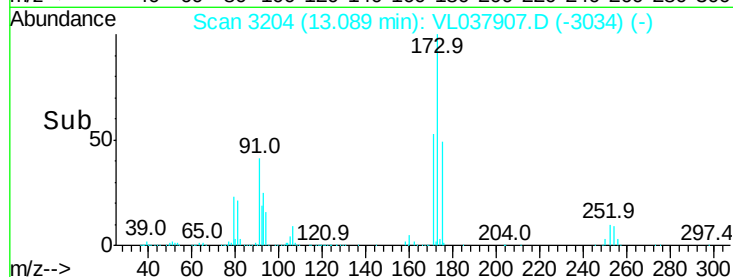
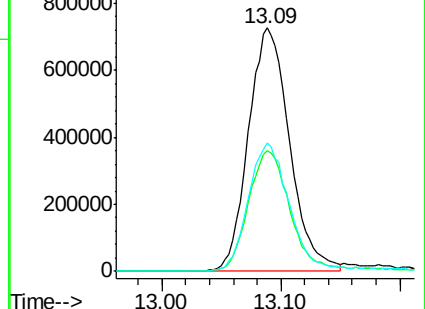
171 54.5 43.4 65.2



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: 9.428 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. 0.04 min

Lab File: VL037907.D

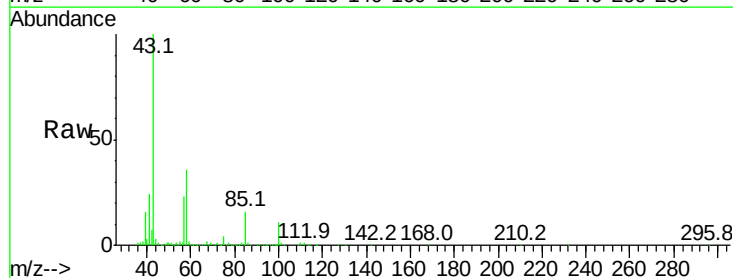
Acq: 26 Oct 2021 8:50

Tgt Ion: 43 Resp: 2181330

Ion Ratio Lower Upper

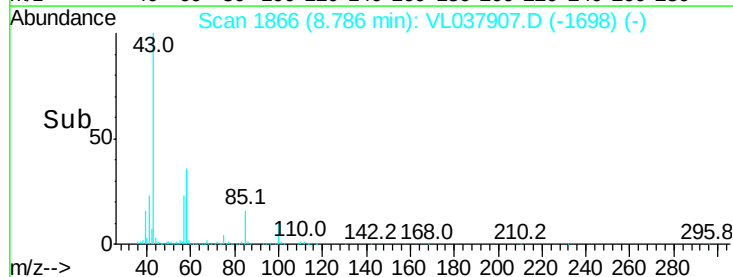
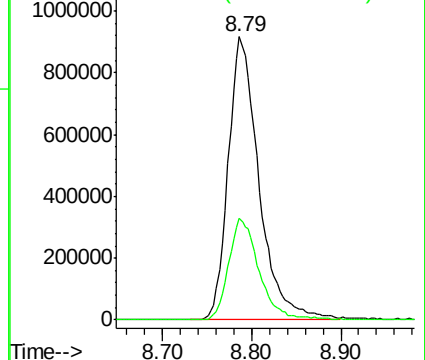
43 100

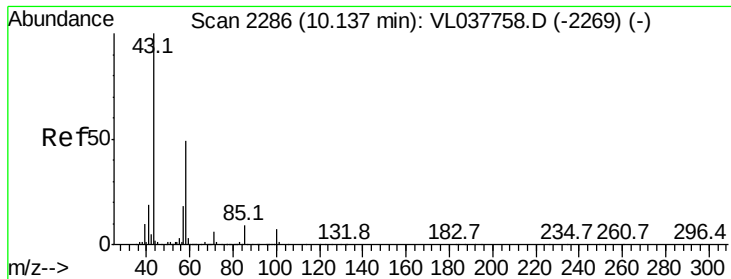
58 35.9 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

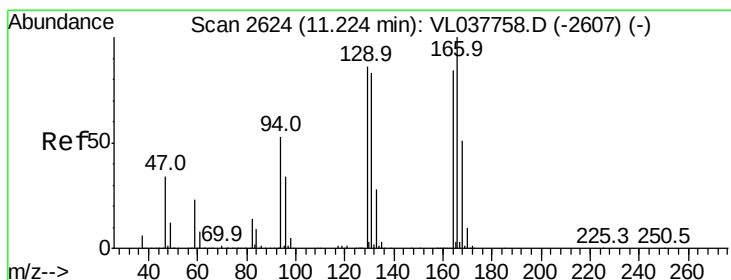
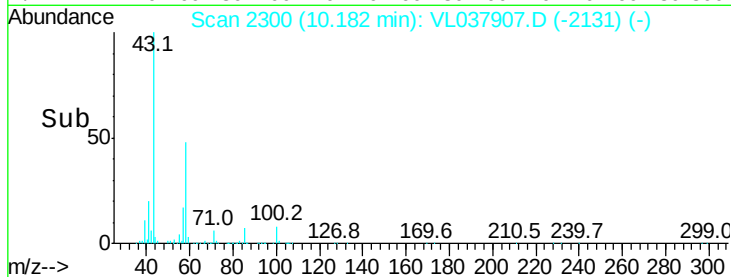
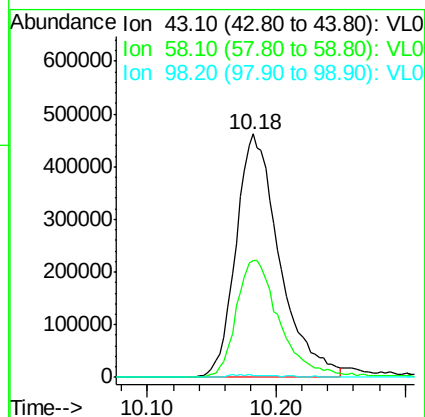
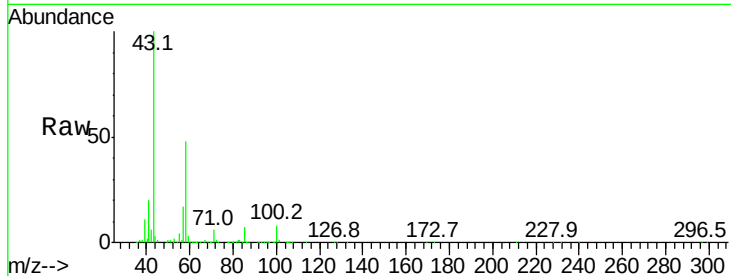




#51
 2-Hexanone
 Concen: 10.453 ppbv
 RT: 10.18 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 26 Oct 2021 8:50

Tgt Ion: 43 Resp: 1079689

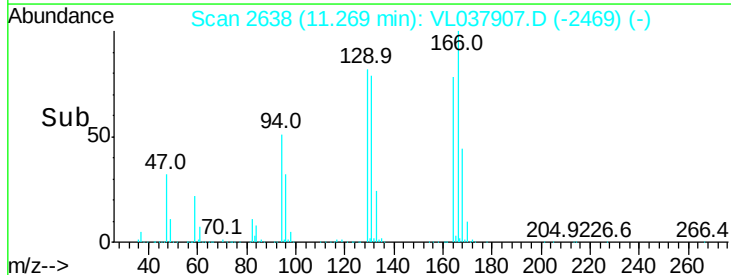
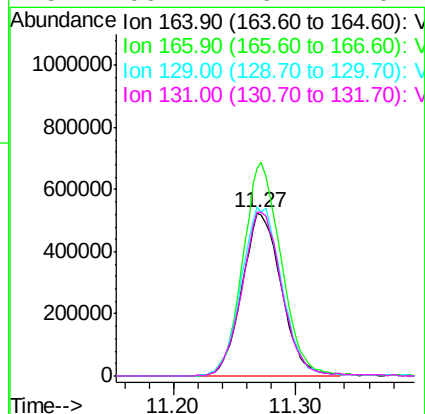
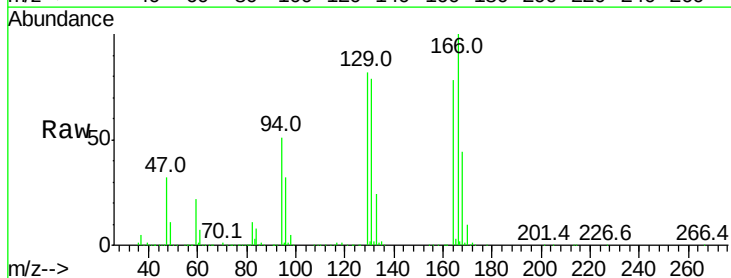
Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.4	59.0
98	1.2	0.3	0.5#

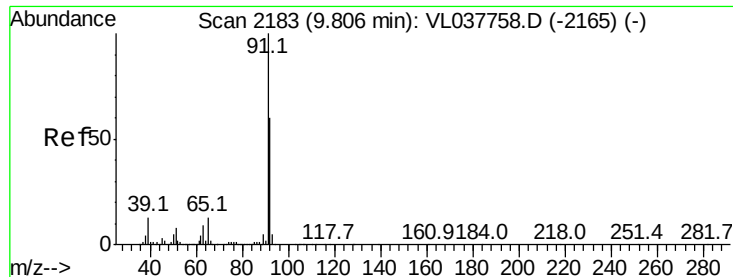


#52
 Tetrachloroethene
 Concen: 7.953 ppbv
 RT: 11.27 min Scan# 2638
 Delta R.T. 0.04 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion: 164 Resp: 1163502

Ion	Ratio	Lower	Upper
164	100		
166	127.4	95.4	143.2
129	103.8	82.2	123.4
131	100.2	79.4	119.2





#53

Toluene

Concen: 8.869 ppbv

RT: 9.85 Instrument: MSVOA_1

Delta R.T. 0.04 min

Lab File: ClientSampleId: VSTDCCC010EC

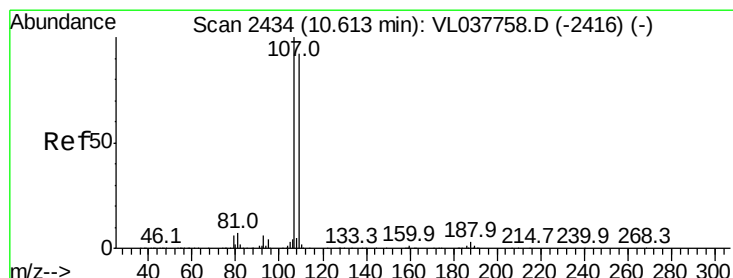
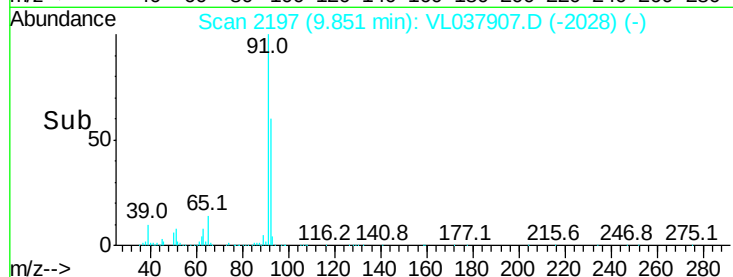
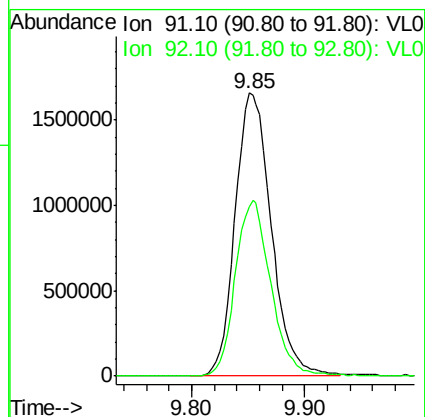
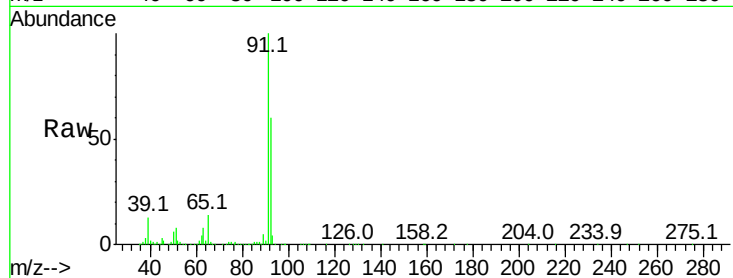
Acq: 26 Oct 2021 8:50

Tgt Ion: 91 Resp: 3695867

Ion Ratio Lower Upper

91 100

92 61.2 48.4 72.6



#54

1,2-Dibromoethane

Concen: 8.271 ppbv

RT: 10.66 min Scan# 2448

Delta R.T. 0.04 min

Lab File: VL037907.D

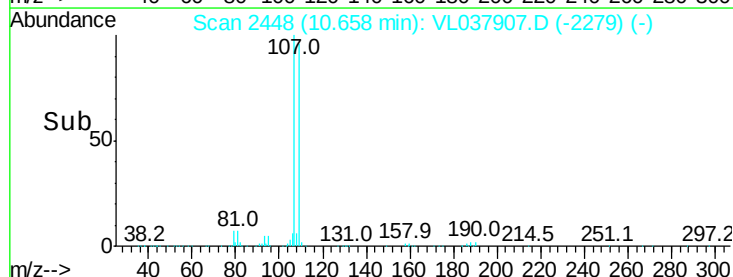
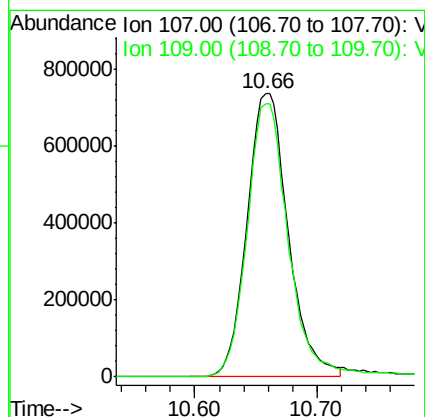
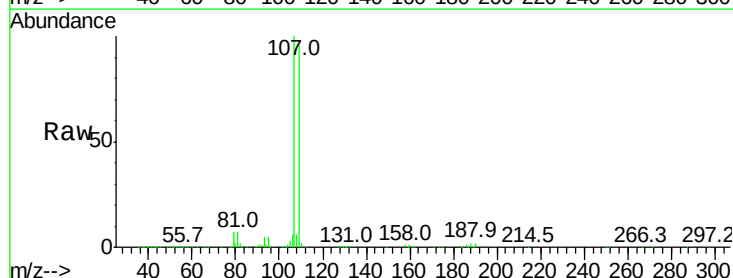
Acq: 26 Oct 2021 8:50

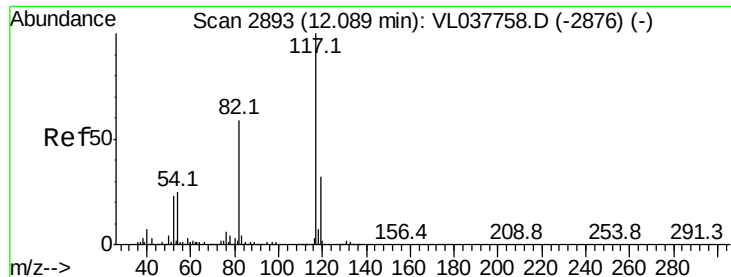
Tgt Ion: 107 Resp: 1717753

Ion Ratio Lower Upper

107 100

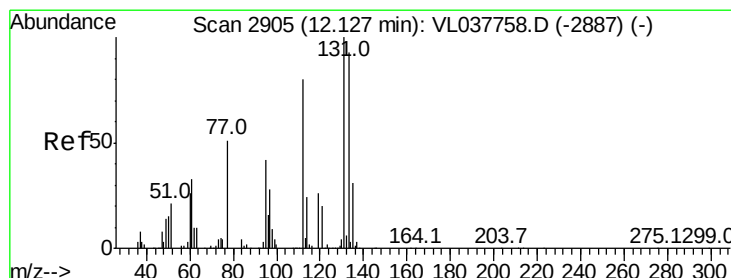
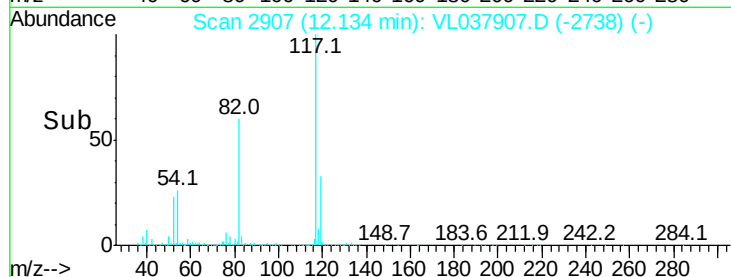
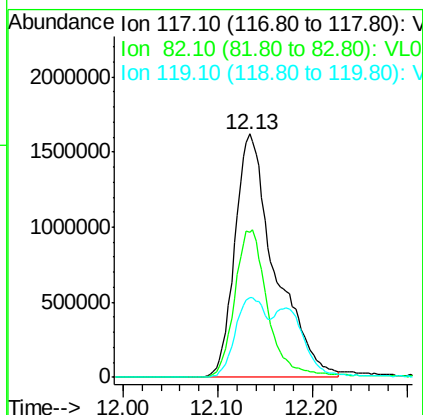
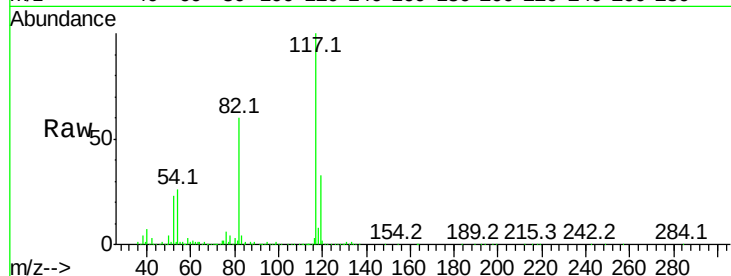
109 96.4 73.8 110.6





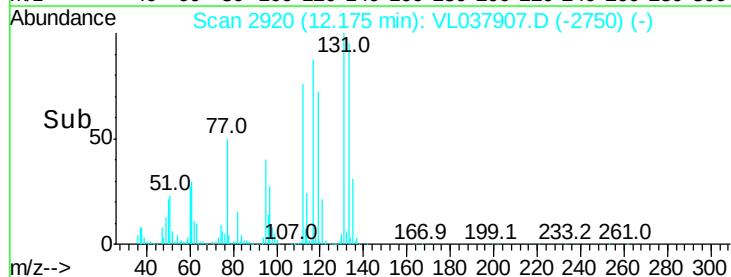
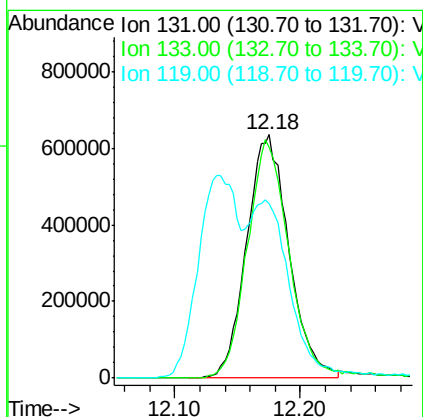
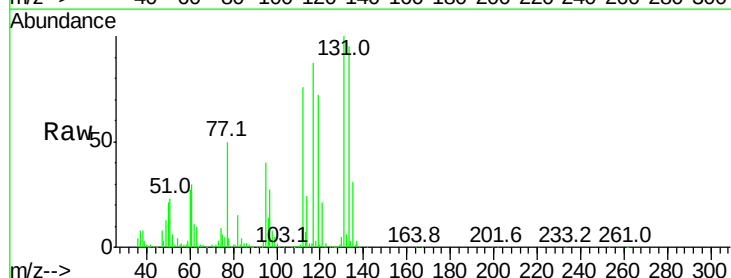
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.: 0.05 min
Lab File: ClientSampleId : VSTDCCC010EC
Acq: 26 Oct 2021 8:50

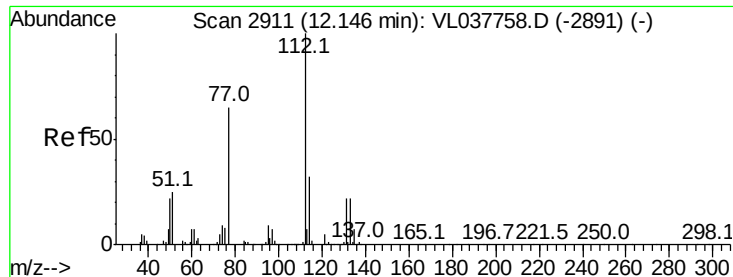
Tgt Ion:117 Resp: 4785896
Ion Ratio Lower Upper
117 100
82 51.4 52.2 78.2#
119 24.1 26.0 39.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.497 ppbv
RT: 12.18 min Scan# 2920
Delta R.T.: 0.05 min
Lab File: VL037907.D
Acq: 26 Oct 2021 8:50

Tgt Ion:131 Resp: 1485300
Ion Ratio Lower Upper
131 100
133 99.6 78.5 117.7
119 75.9 51.7 77.5





#57

Chlorobenzene

Concen: 7.036 ppbv

RT: 12.19

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 26 Oct 2021 8:50

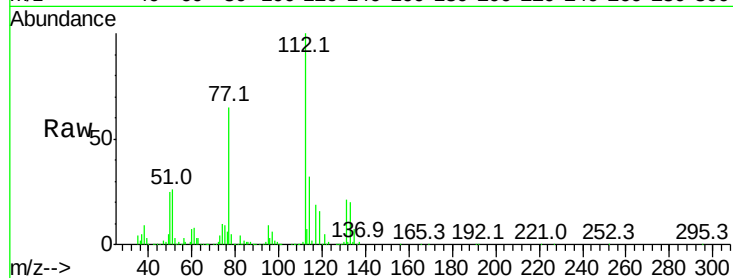
Tgt Ion: 112 Resp: 2762390

Ion Ratio Lower Upper

112 100

77 63.1 51.8 77.8

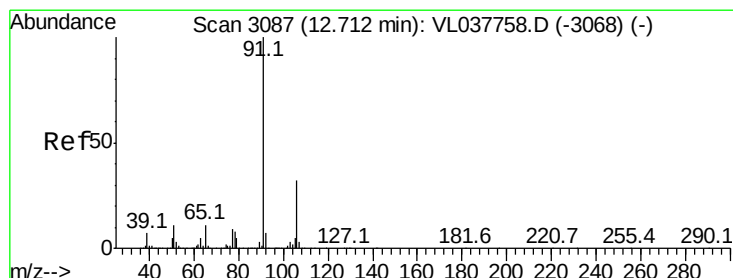
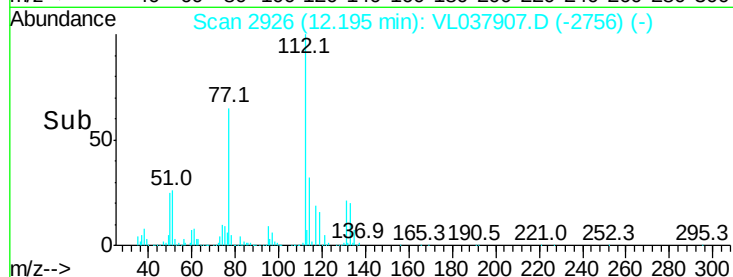
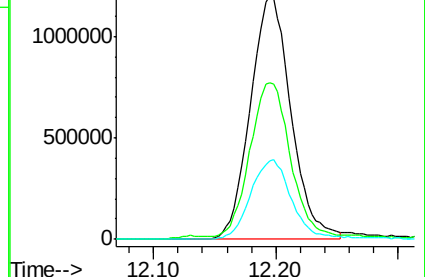
114 32.3 28.8 35.2



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: 7.498 ppbv

RT: 12.76 min Scan# 3102

Delta R.T. 0.05 min

Lab File: VL037907.D

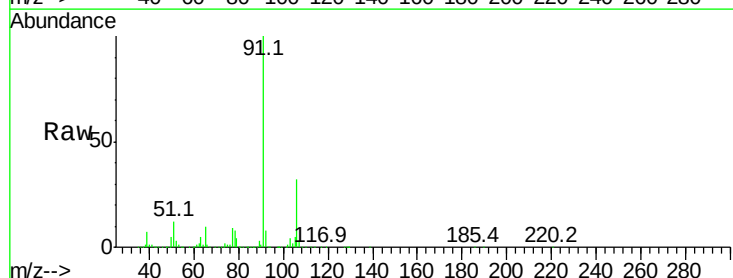
Acq: 26 Oct 2021 8:50

Tgt Ion: 91 Resp: 4818499

Ion Ratio Lower Upper

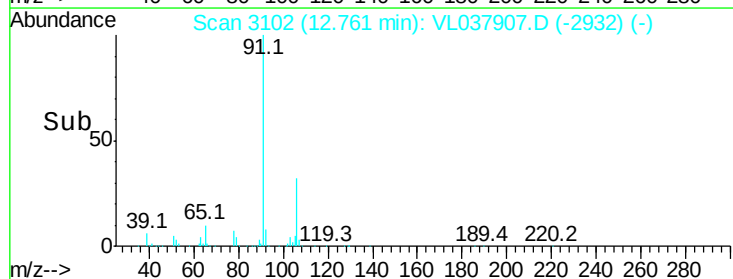
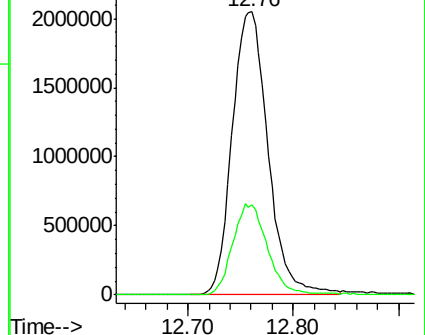
91 100

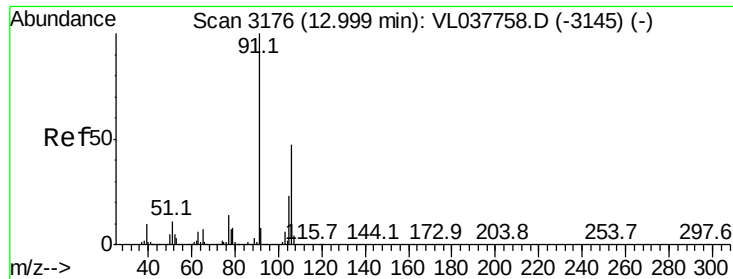
106 31.9 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

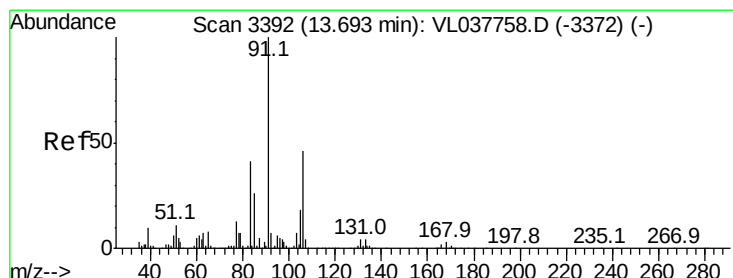
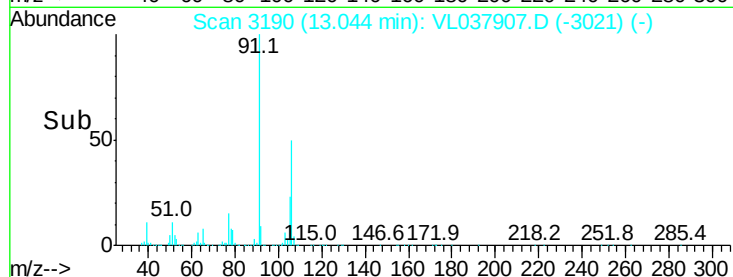
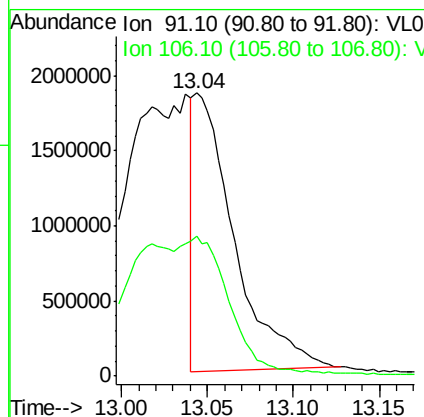
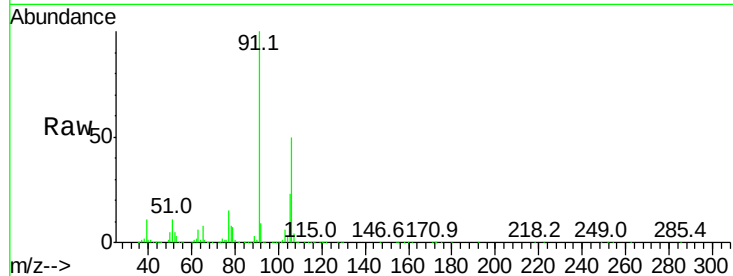
Ion 106.10 (105.80 to 106.80): V





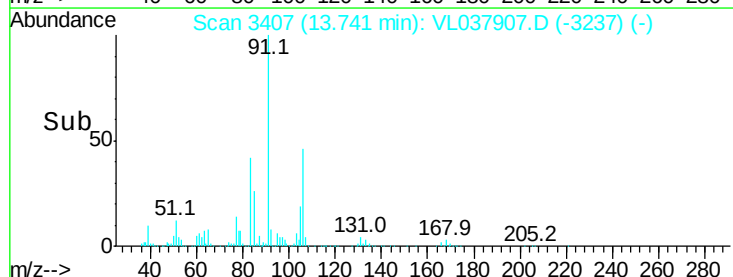
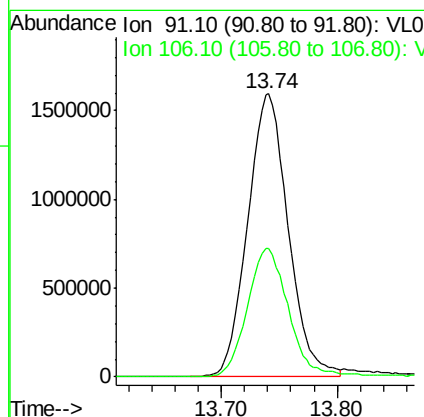
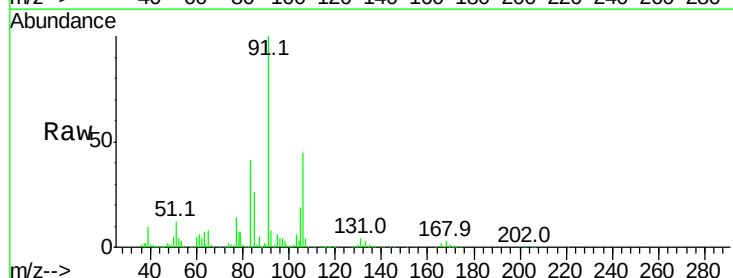
#59
m/p-Xylene
Concen: 5.381 ppbv
RT: 13.04 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 26 Oct 2021 8:50 VSTDCCC010EC

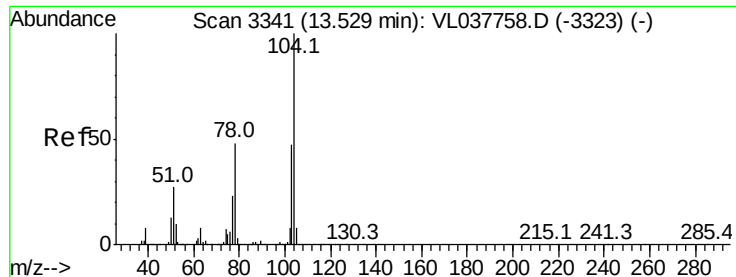
Tgt Ion: 91 Resp: 2968429
Ion Ratio Lower Upper
91 100
106 127.9 36.7 55.1#



#60
o-Xylene
Concen: 7.324 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.05 min
Lab File: VL037907.D
Acq: 26 Oct 2021 8:50

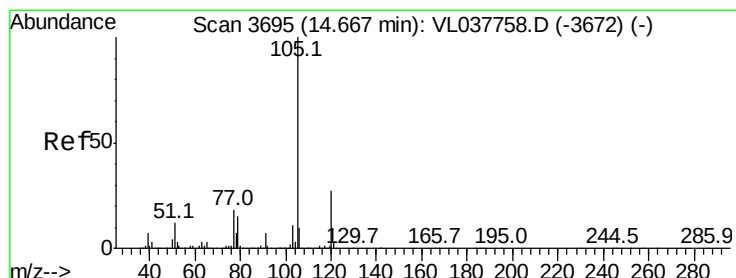
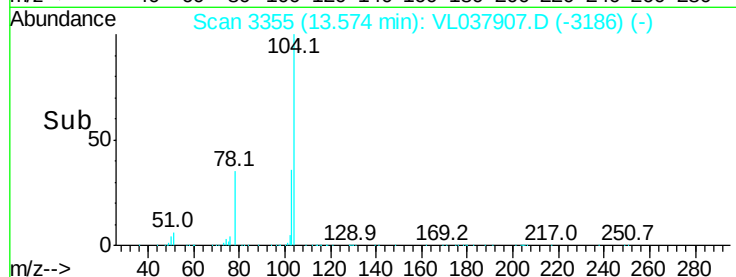
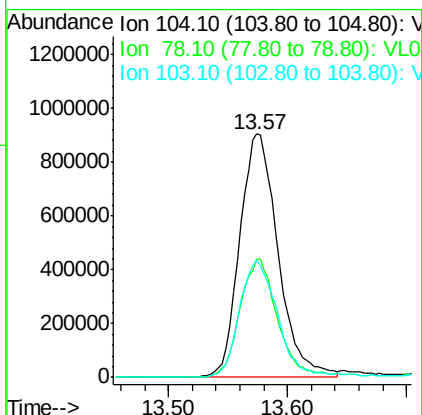
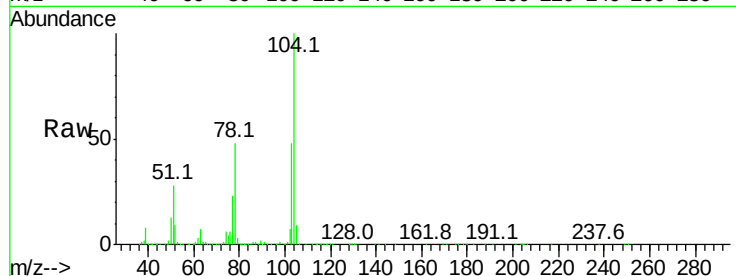
Tgt Ion: 91 Resp: 3871887
Ion Ratio Lower Upper
91 100
106 47.2 23.5 70.5





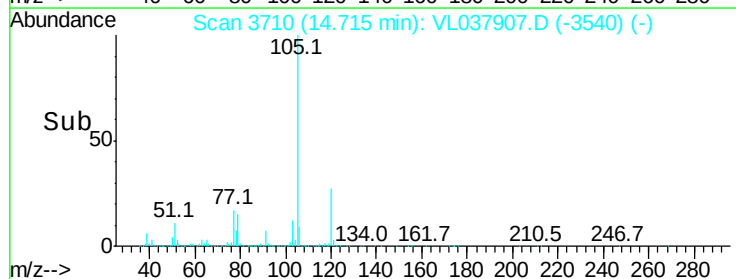
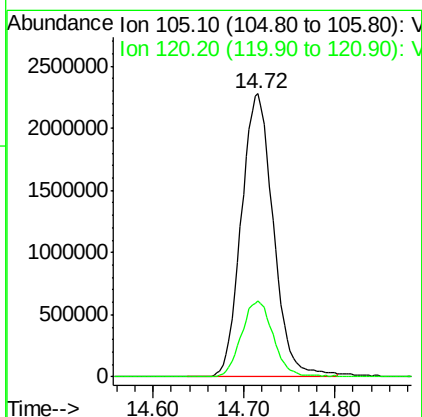
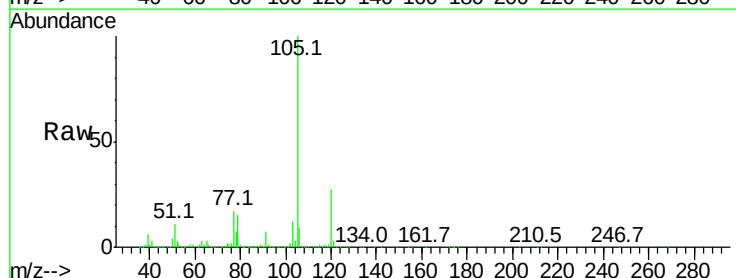
#61
Styrene
Concen: 7.898 ppbv
RT: 13.57
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 26 Oct 2021 8:50
VSTDCCC010EC

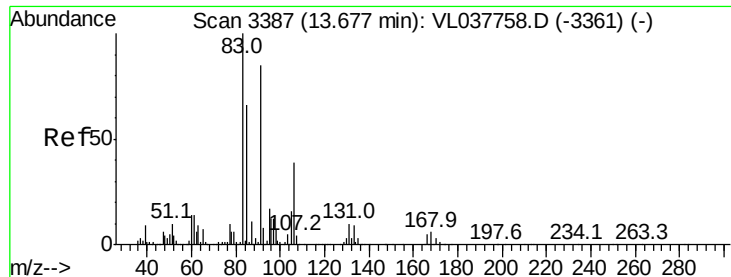
Tgt Ion:104 Resp: 2019630
Ion Ratio Lower Upper
104 100
78 48.3 40.6 61.0
103 48.6 39.6 59.4



#62
Isopropylbenzene
Concen: 7.567 ppbv
RT: 14.72 min Scan# 3710
Delta R.T. 0.05 min
Lab File: VL037907.D
Acq: 26 Oct 2021 8:50

Tgt Ion:105 Resp: 5580187
Ion Ratio Lower Upper
105 100
120 26.9 21.3 31.9

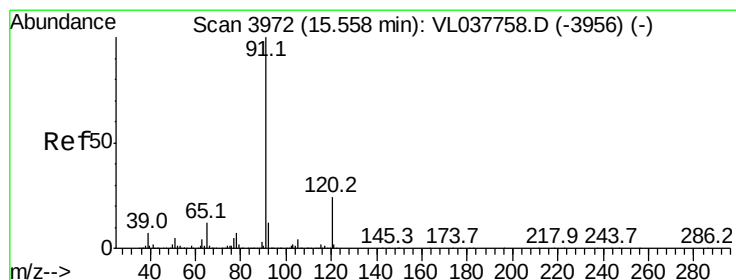
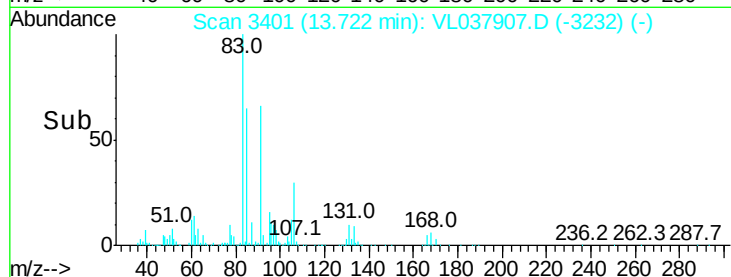
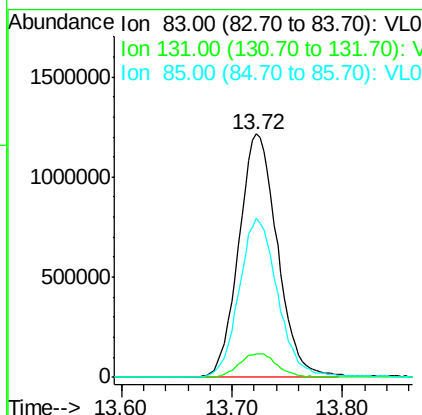
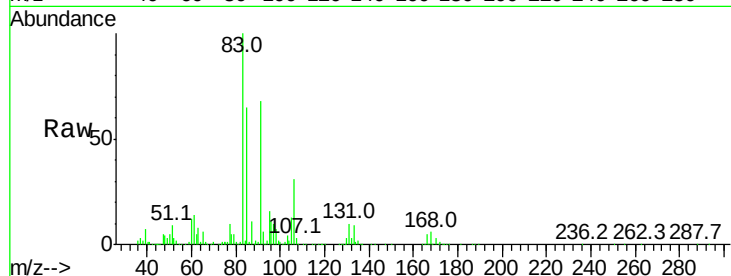




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.201 ppbv
 RT: 13.72
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 Oct 2021 8:50

Tgt Ion: 83 Resp: 2937687

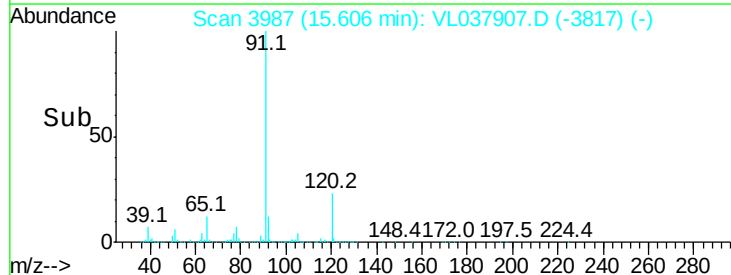
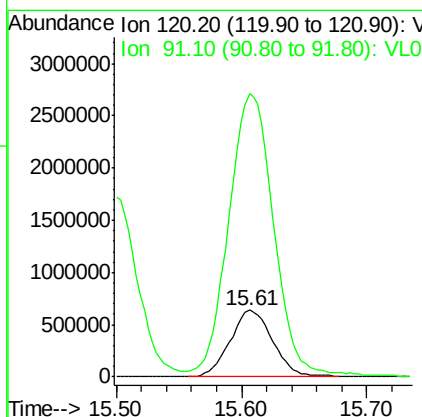
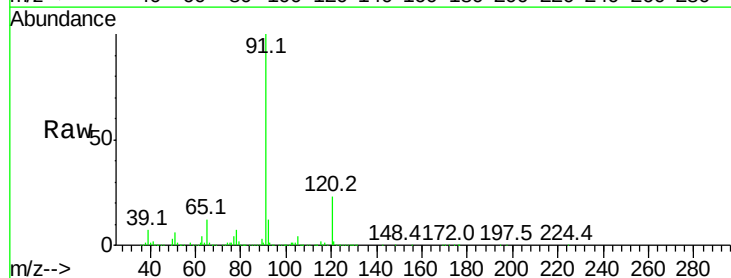
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	15.0
85	65.8	33.1	99.5

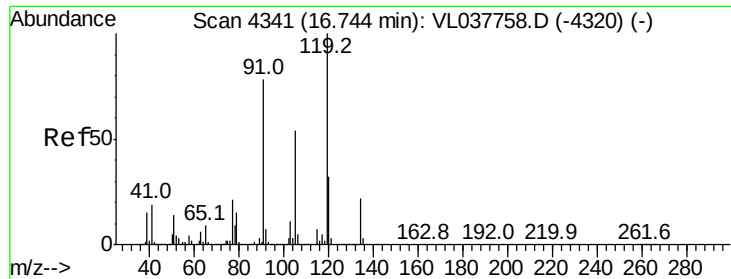


#64
 n-propylbenzene
 Concen: 8.076 ppbv
 RT: 15.61 min Scan# 3987
 Delta R.T. 0.05 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion: 120 Resp: 1484977

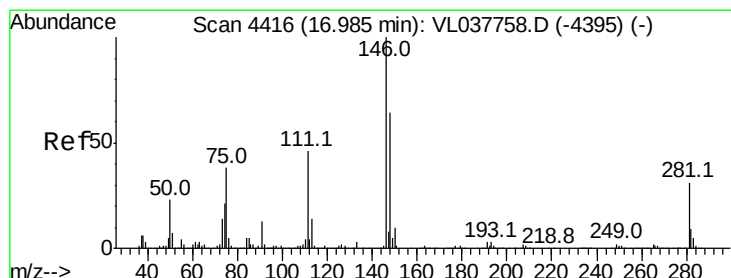
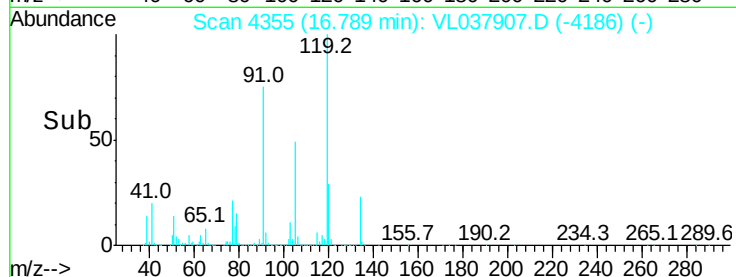
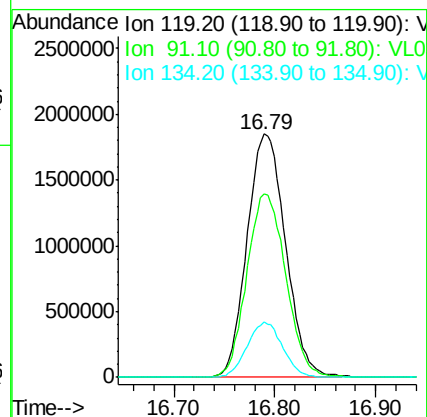
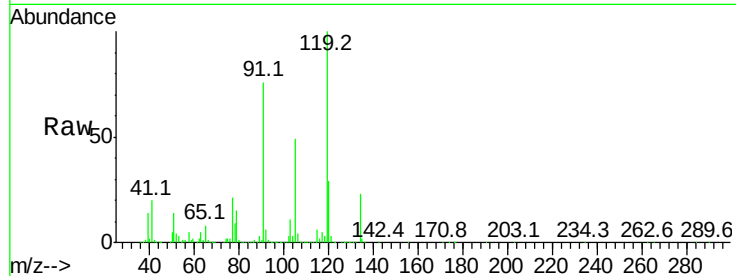
Ion	Ratio	Lower	Upper
120	100		
91	456.3	375.0	562.6





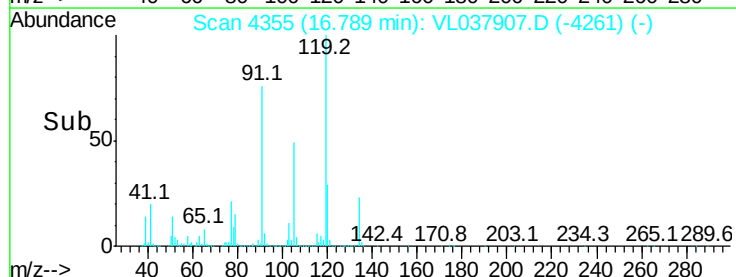
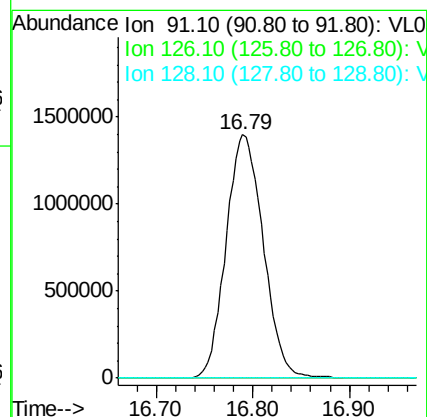
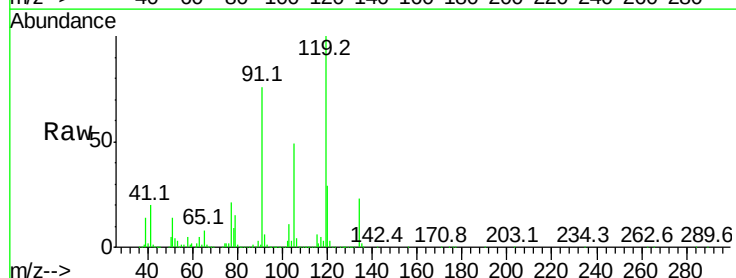
#65
 tert-Butylbenzene
 Concen: 7.530 ppbv
 RT: 16.79
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 Oct 2021 8:50

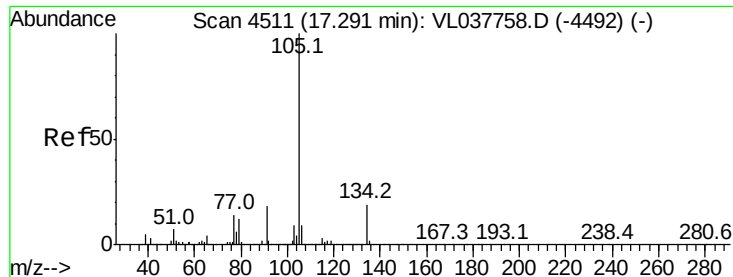
Tgt Ion: 119 Resp: 4886089
 Ion Ratio Lower Upper
 119 100
 91 76.6 62.6 94.0
 134 21.0 16.3 24.5



#66
 Benzyl Chloride
 Concen: 115.839 ppbv
 RT: 16.79 min Scan# 4355
 Delta R.T. -0.20 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion: 91 Resp: 3709700
 Ion Ratio Lower Upper
 91 100
 126 0.0 0.0 0.0#
 128 0.2 5.3 7.9#





#67

sec-Butylbenzene

Concen: 7.767 ppbv

RT: 17.34

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

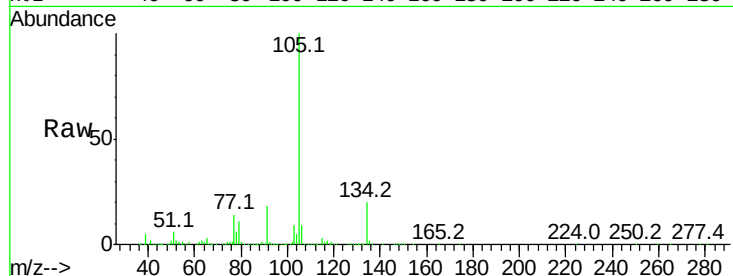
Acq: 26 Oct 2021 8:50

Tgt Ion: 105 Resp: 6892920

Ion Ratio Lower Upper

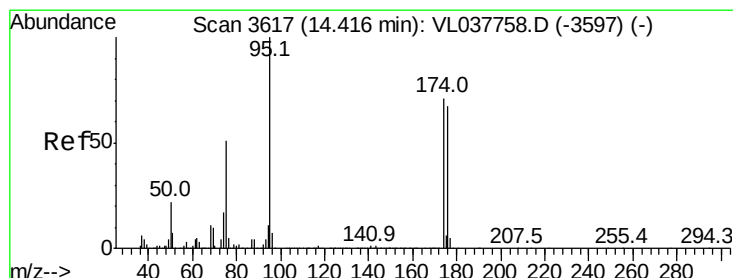
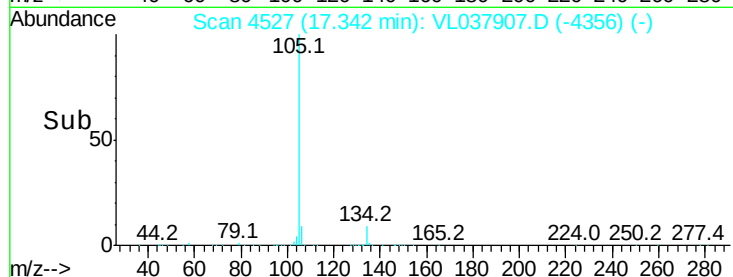
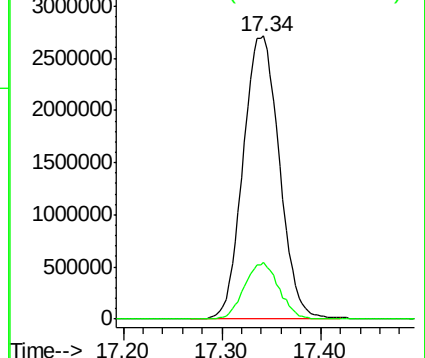
105 100

134 19.1 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.420 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.04 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

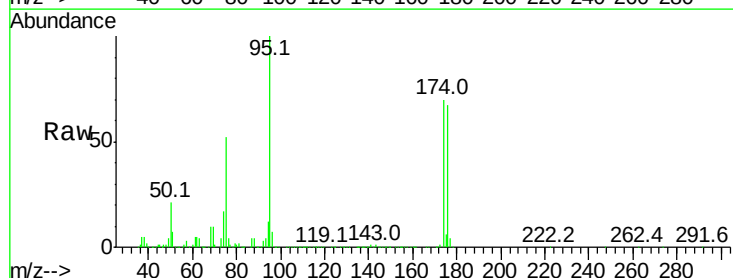
Tgt Ion: 95 Resp: 2817989

Ion Ratio Lower Upper

95 100

174 73.9 57.8 86.6

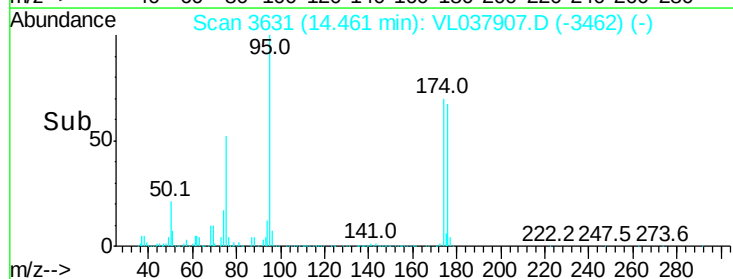
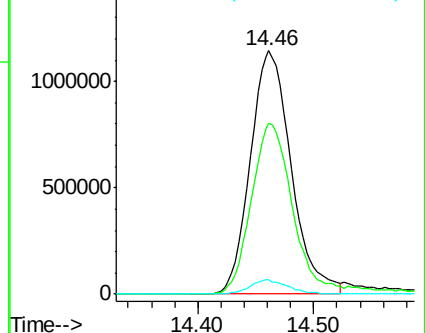
175 5.7 4.7 7.1

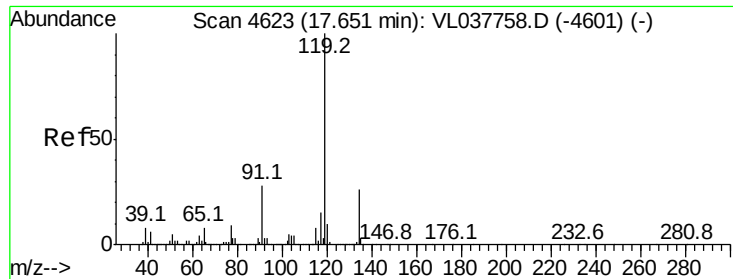


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

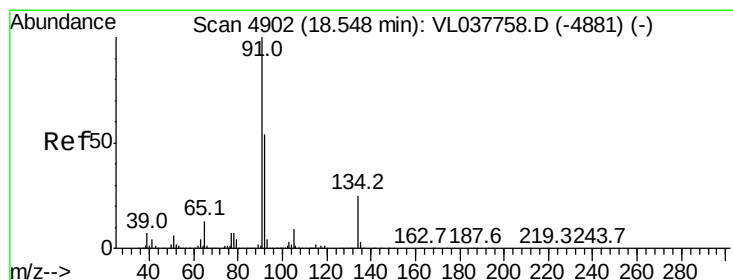
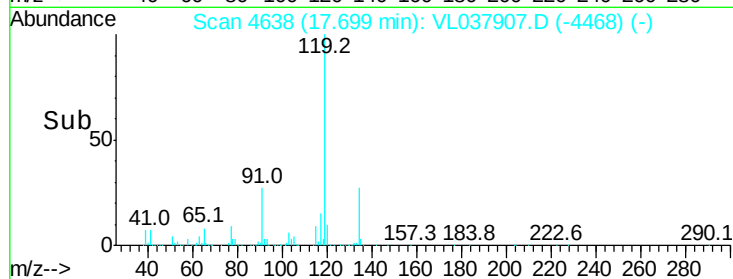
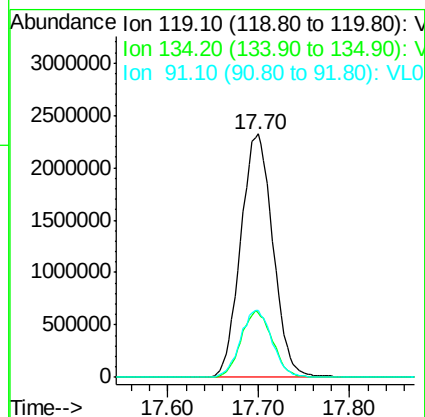
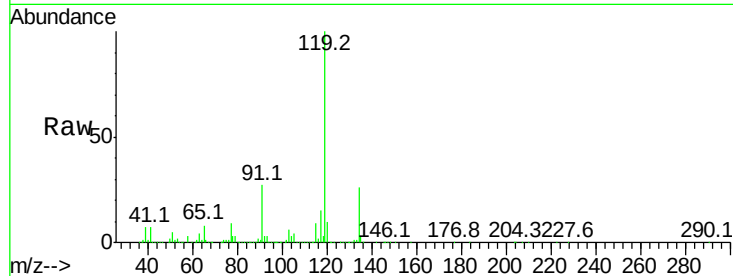
Ion 175.00 (174.70 to 175.70): V





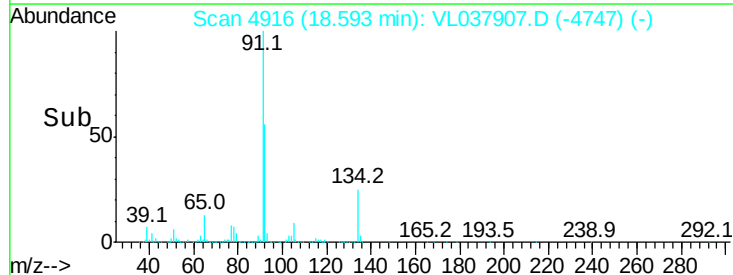
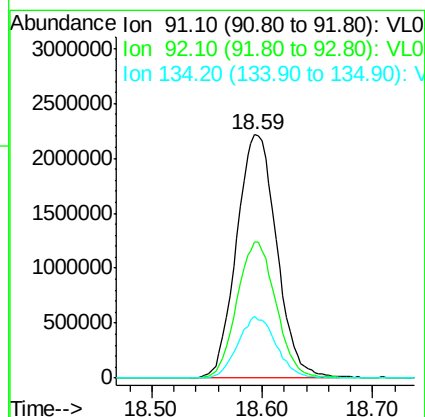
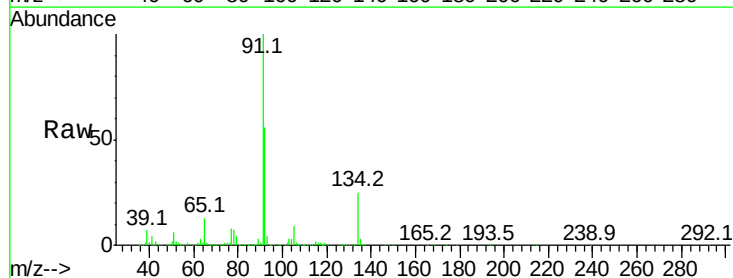
#69
 p-Isopropyltoluene
 Concen: 7.968 ppbv
 RT: 17.70 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 Oct 2021 8:50

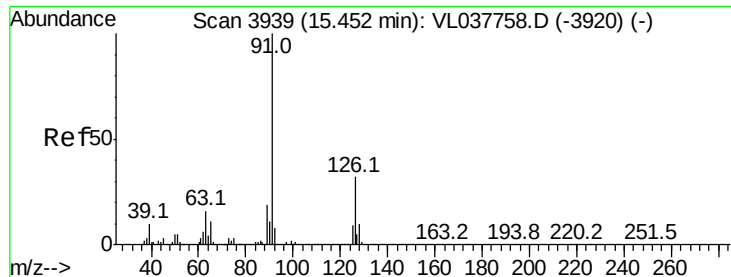
Tgt Ion:	119	Resp:	5716819
Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	27.0	22.2	33.4



#70
 n-Butylbenzene
 Concen: 8.179 ppbv
 RT: 18.59 min Scan# 4916
 Delta R.T. 0.04 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion:	91	Resp:	5574630
Ion	Ratio	Lower	Upper
91	100		
92	55.0	43.4	65.0
134	24.3	19.8	29.6





#71

2-Chlorotoluene

Concen: 7.851 ppbv

RT: 15.50

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

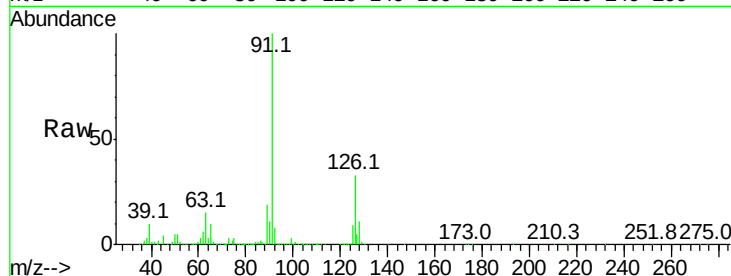
Acq: 26 Oct 2021 8:50

Tgt Ion: 91 Resp: 4088172

Ion Ratio Lower Upper

91 100

126 33.7 13.6 54.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

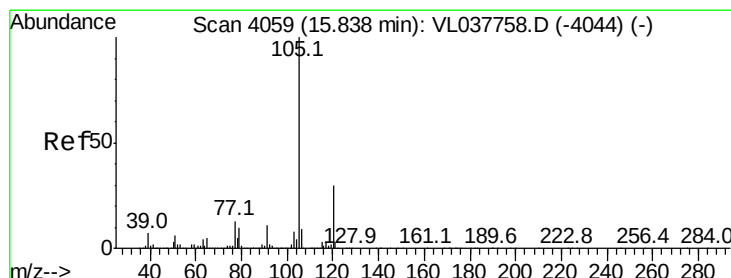
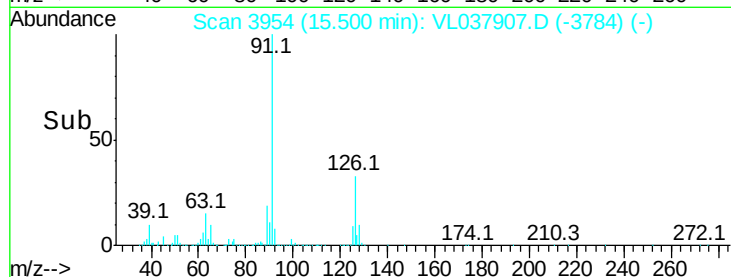
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 7.869 ppbv

RT: 15.89 min Scan# 4074

Delta R.T. 0.05 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

Tgt Ion: 105 Resp: 4723676

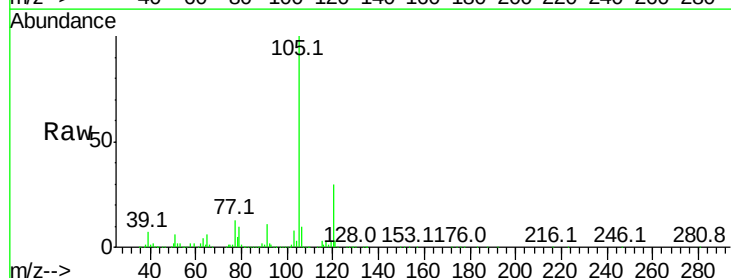
Ion Ratio Lower Upper

105 100

120 30.7 24.2 36.2

91 12.0 10.4 15.6

77 13.2 10.3 15.5



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

3000000

2500000

2000000

1500000

1000000

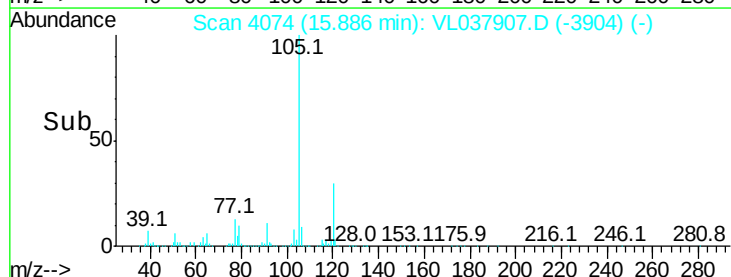
500000

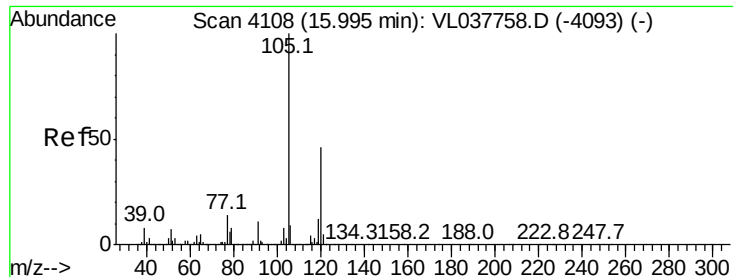
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.664 ppbv

RT: 16.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

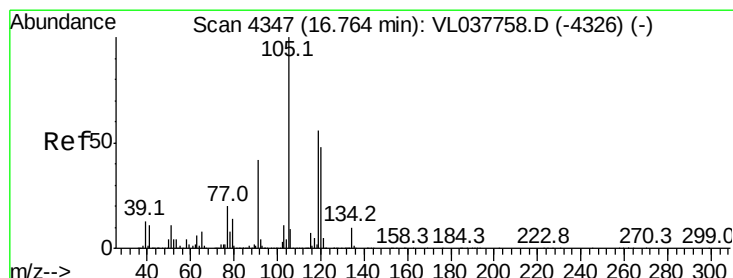
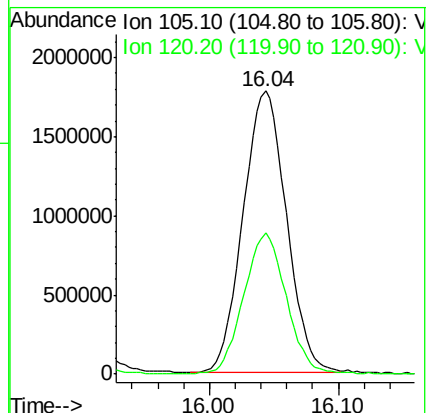
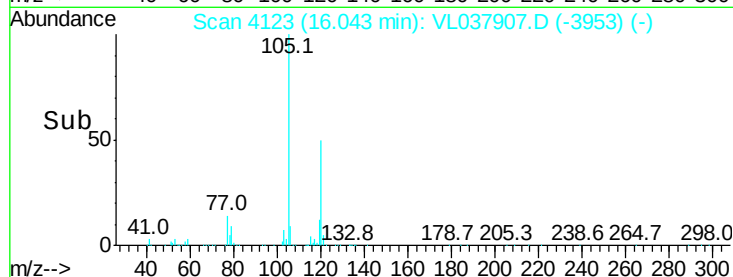
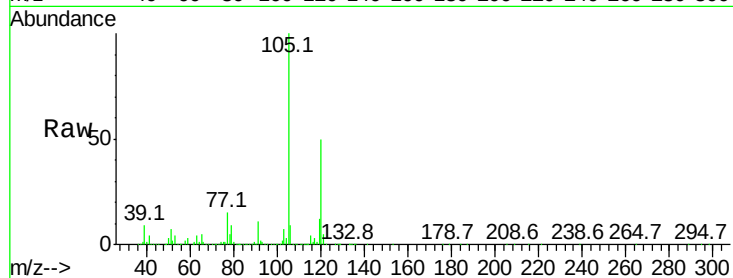
Acq: 26 Oct 2021 8:50

Tgt Ion:105 Resp: 4179072

Ion Ratio Lower Upper

105 100

120 50.1 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 7.651 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.04 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

Tgt Ion:105 Resp: 4380944

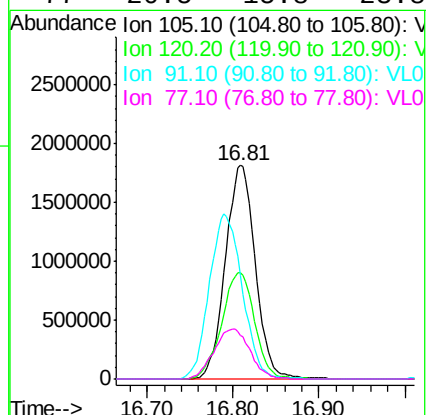
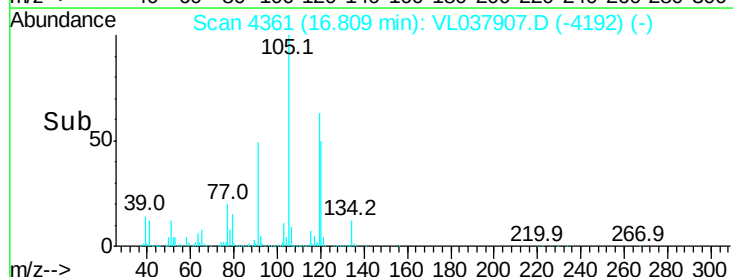
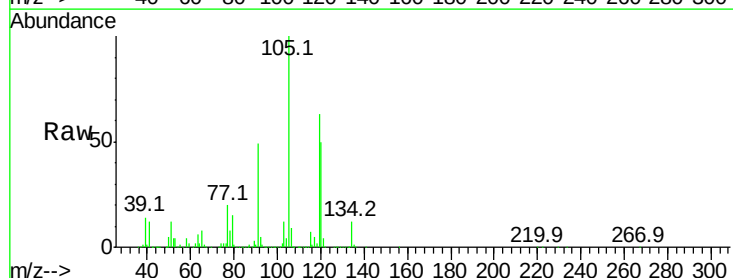
Ion Ratio Lower Upper

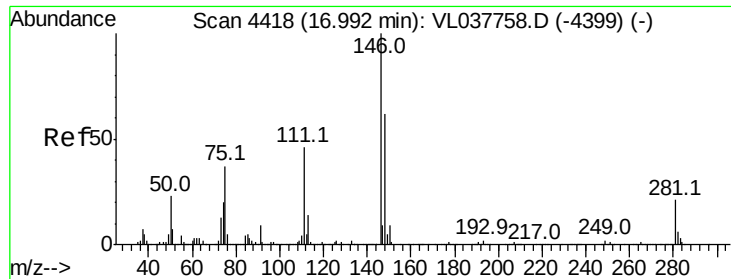
105 100

120 49.7 38.4 57.6

91 48.6 34.2 51.2

77 20.5 15.8 23.8

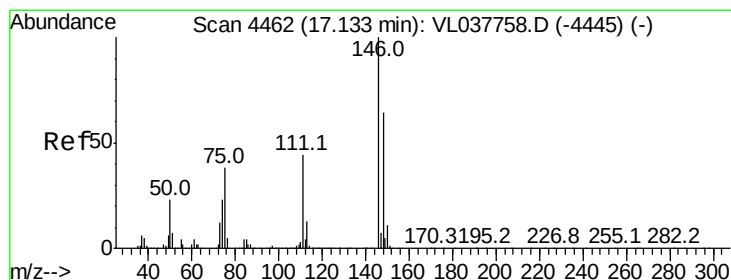
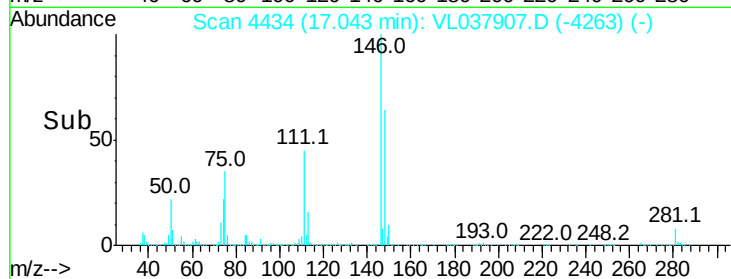
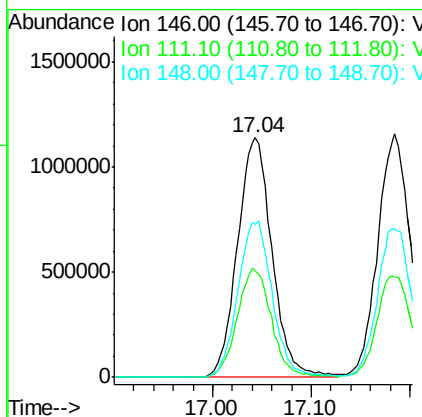
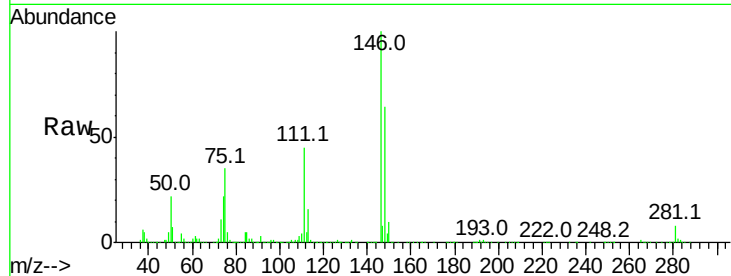




#75
 1,3-Dichlorobenzene
 Concen: 7.802 ppbv
 RT: 17.04 min
 Delta R.T. 0.05 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion:146 Resp: 2767644

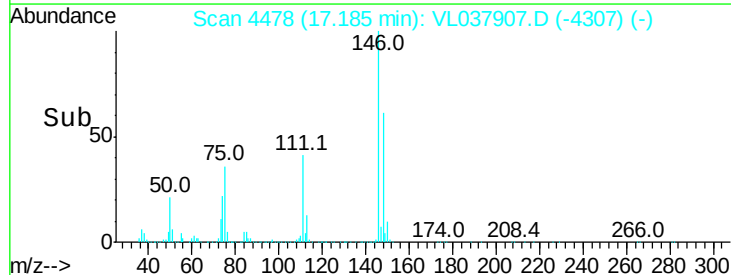
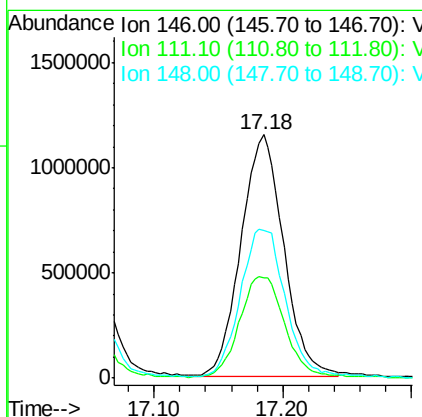
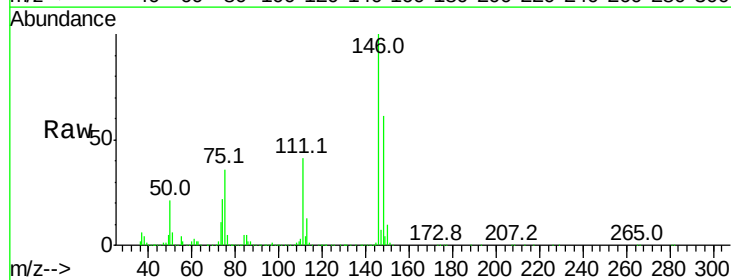
Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.8	68.4
148	64.5	32.8	98.3

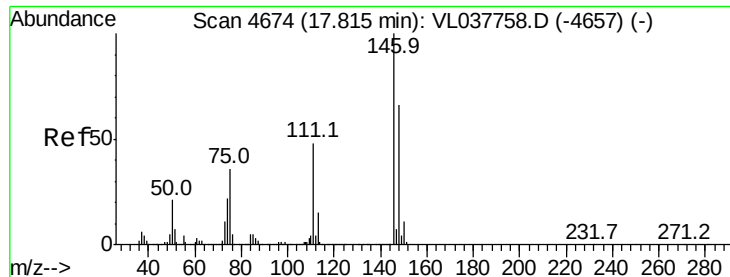


#76
 1,4-Dichlorobenzene
 Concen: 7.838 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. 0.05 min
 Lab File: VL037907.D
 Acq: 26 Oct 2021 8:50

Tgt Ion:146 Resp: 2652442

Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.4	67.3
148	66.1	33.3	99.9





#77

1,2-Dichlorobenzene

Concen: 7.846 ppbv

RT: 17.86 min

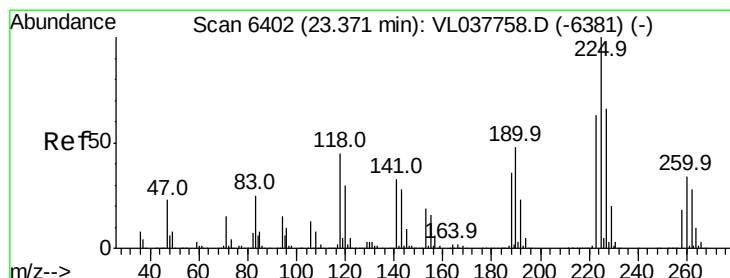
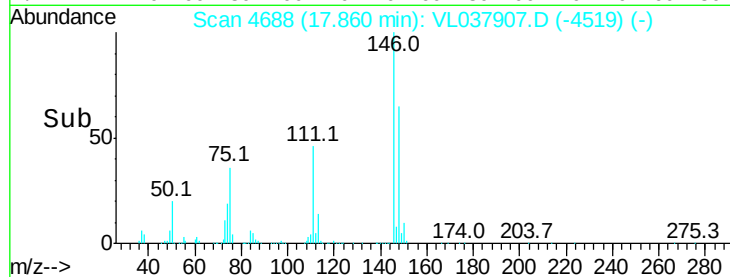
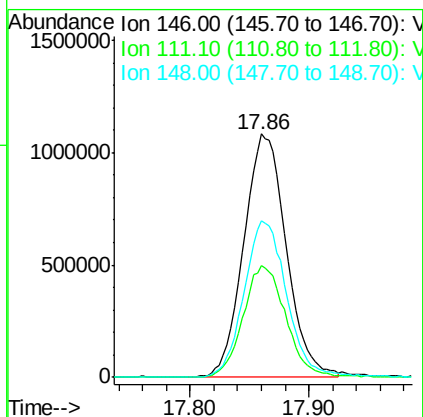
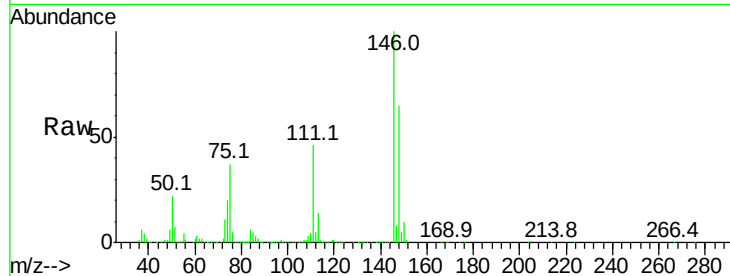
Delta R.T. 0.05 min

Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

Tgt Ion: 146 Resp: 2673758

Ion	Ratio	Lower	Upper
146	100		
111	46.5	23.6	70.8
148	65.1	32.9	98.6



#78

Hexachloro-1,3-Butadiene

Concen: 7.226 ppbv

RT: 23.42 min Scan# 6417

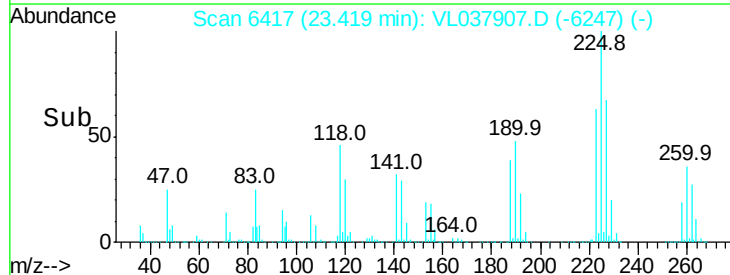
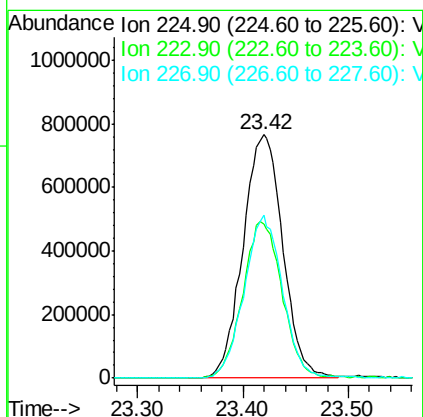
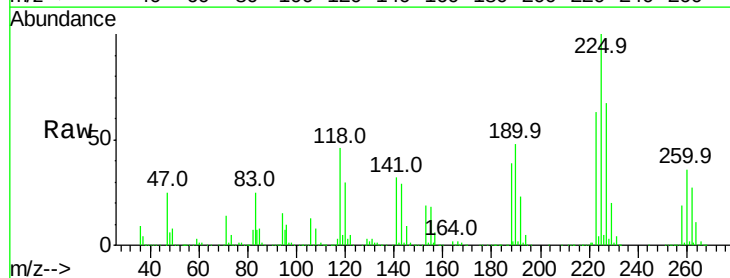
Delta R.T. 0.05 min

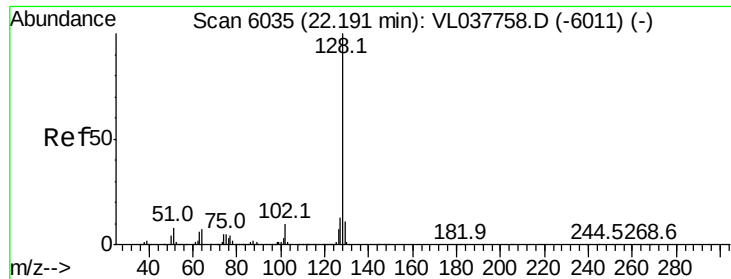
Lab File: VL037907.D

Acq: 26 Oct 2021 8:50

Tgt Ion: 225 Resp: 2010716

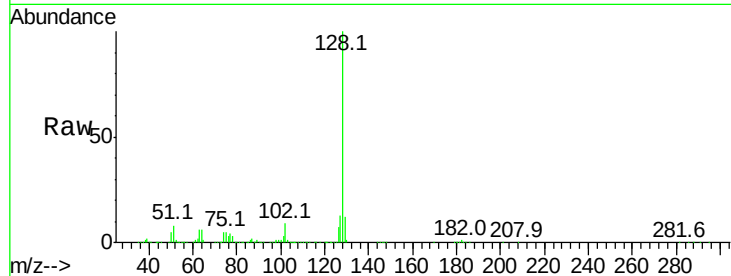
Ion	Ratio	Lower	Upper
225	100		
223	63.9	51.2	76.8
227	64.9	51.1	76.7



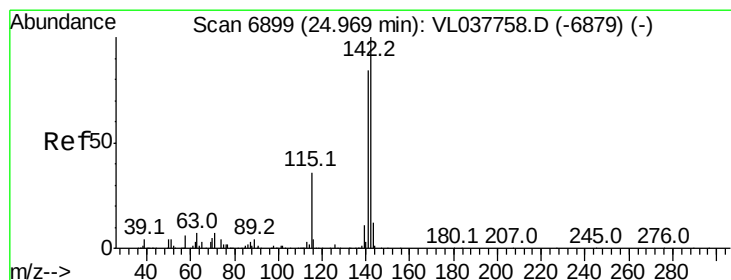
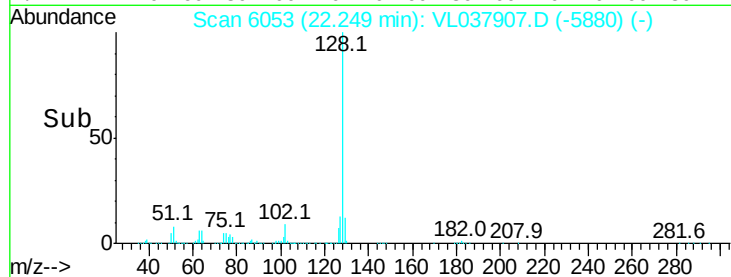
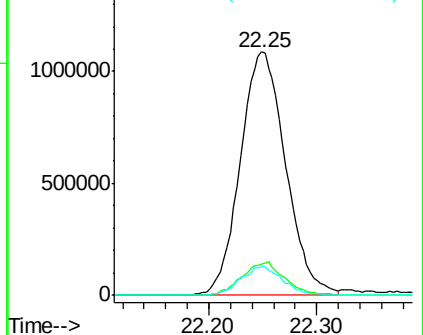


#79
Naphthalene
Concen: 9.016 ppbv
RT: 22.25
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VSTDCCC010EC
Acq: 26 Oct 2021 8:50

Tgt Ion:128 Resp: 3161536
Ion Ratio Lower Upper
128 100
127 12.6 10.1 15.1
129 11.8 9.1 13.7

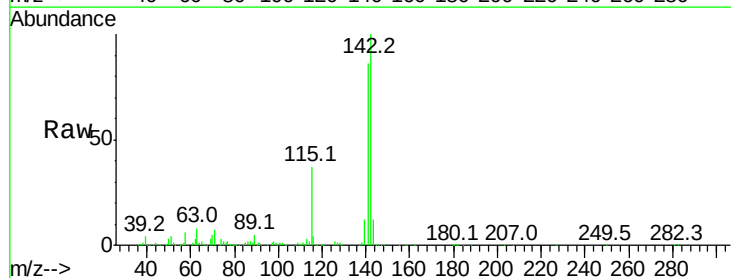


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

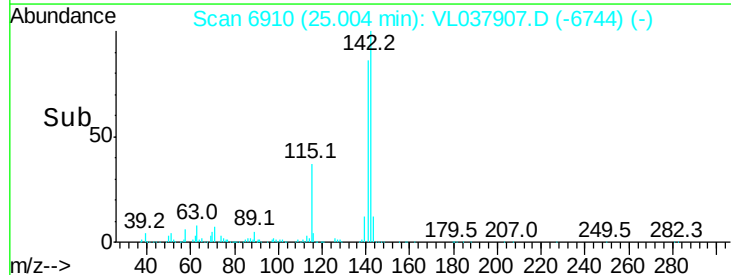
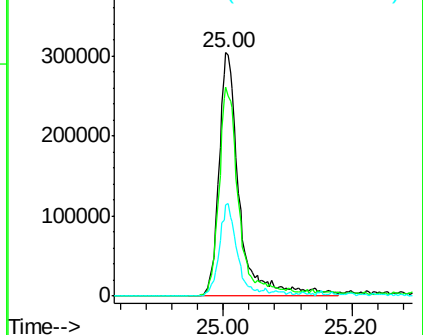


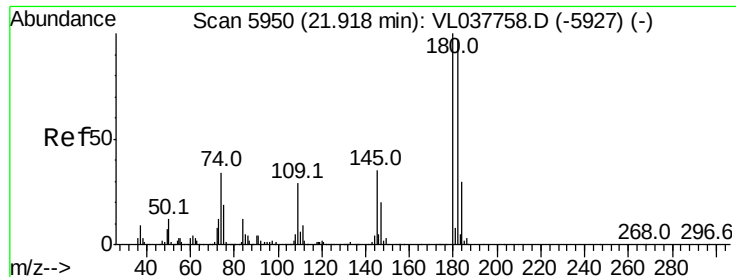
#80
Naphthalene, 2-methyl-
Concen: 7.186 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.04 min
Lab File: VL037907.D
Acq: 26 Oct 2021 8:50

Tgt Ion:142 Resp: 676669
Ion Ratio Lower Upper
142 100
141 82.8 68.6 102.8
115 33.3 29.0 43.6



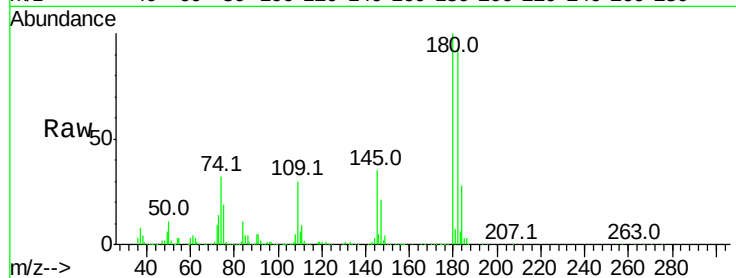
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.731 ppbv
 RT: 21.98
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VSTDCCC010EC
 Acq: 26 Oct 2021 8:30

Tgt Ion:180 Resp: 1958208
 Ion Ratio Lower Upper
 180 100
 182 96.6 77.6 116.4
 184 31.2 25.0 37.4



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

