

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038163.D
 Acq On : 14 Dec 2021 12:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 04:55:54 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1087415	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	2927426	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.04	117	3323635	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2087374	8.71	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1518143	8.452	ppbv	99
3) Chlorodifluoromethane	2.97	51	1864989	8.167	ppbv	98
4) Chloromethane	3.12	50	625460	8.046	ppbv	98
5) Vinyl Chloride	3.24	62	644658	8.453	ppbv	99
6) Bromomethane	3.46	94	352913	8.638	ppbv	99
7) Chloroethane	3.54	64	221410	8.180	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1517855	8.495	ppbv	96
9) Propene	3.00	41	641340	7.626	ppbv	99
10) Heptane	8.09	43	1615433	7.772	ppbv	98
11) Trichlorofluoromethane	3.93	101	1542048	9.027	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1083624	8.967	ppbv	98
13) Ethanol	3.59	45	25524	3.140	ppbv #	1
14) Bromoethene	3.72	108	481342	8.896	ppbv	99
15) Acetone	3.83	43	808208	8.572	ppbv	98
16) 1,3-Butadiene	3.31	39	611654	8.316	ppbv	99
17) tert-Butyl alcohol	4.26	59	1001371	8.756	ppbv	99
18) 1,1-Dichloroethene	4.27	96	491728	8.871	ppbv	97
19) Isopropyl Alcohol	3.94	45	577029	8.471	ppbv	100
20) Methylene Chloride	4.32	84	418015	7.916	ppbv	99
21) Allyl Chloride	4.39	41	749352	8.587	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	525655	9.362	ppbv	97
23) Vinyl Acetate	5.04	43	1220379	8.942	ppbv	98
24) 1,1-Dichloroethane	4.98	63	1017061	8.949	ppbv	99
25) Ethyl Acetate	5.65	43	2502895	7.988	ppbv	99
26) Hexane	5.66	57	1150741	7.619	ppbv	98
27) Carbon Disulfide	4.52	76	1314400	9.715	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1089814	8.495	ppbv	100
29) Chloroform	5.72	83	1857868	8.347	ppbv	99
30) Cyclohexane	7.09	84	1006245	7.339	ppbv	95
31) cis-1,2-Dichloroethene	5.52	61	1157478	8.057	ppbv	96
32) 1,1,1-Trichloroethane	6.48	97	1837866	8.136	ppbv	97
34) 2-Butanone	5.21	43	1071086	9.074	ppbv	98
35) Carbon Tetrachloride	6.98	117	1931956	9.393	ppbv	100
36) Benzene	6.86	78	2457154	8.414	ppbv	98
37) 1,2-Dichloroethane	6.27	62	1381738	9.797	ppbv	97
38) Trichloroethene	7.80	130	881648	8.004	ppbv	98
39) 1,2-Dichloropropane	7.58	63	960613	8.576	ppbv	95
40) 1,4-Dioxane	7.79	88	242540	8.311	ppbv #	1
41) Tetrahydrofuran	6.02	42	639882	8.732	ppbv	96
42) Bromodichloromethane	7.75	83	2094580	9.769	ppbv	98
43) Methyl Methacrylate	7.98	69	924810	9.257	ppbv	95

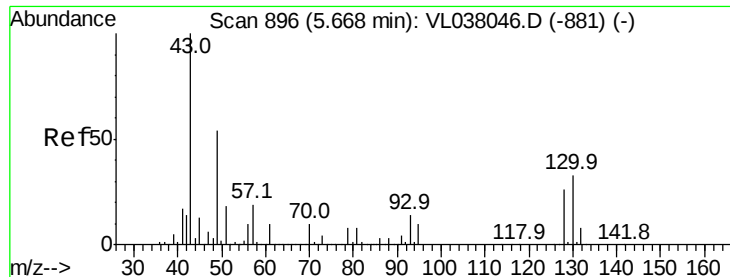
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	4049877	8.289	ppbv	98
45) t-1,3-Dichloropropene	9.24	75	883004	11.019	ppbv	96
46) cis-1,3-Dichloropropene	8.67	75	1099033	10.140	ppbv	96
47) 1,1,2-Trichloroethane	9.44	97	989762	8.437	ppbv	94
48) Dibromochloromethane	10.26	129	1758921	9.845	ppbv	99
49) Bromoform	13.00	173	1368773	10.709	ppbv	98
50) 4-Methyl-2-Pentanone	8.70	43	1758706	9.811	ppbv	96
51) 2-Hexanone	10.10	43	850412	10.083	ppbv #	95
52) Tetrachloroethene	11.18	164	800498	7.409	ppbv	98
53) Toluene	9.77	91	2763397	8.225	ppbv	98
54) 1,2-Dibromoethane	10.57	107	1451021	8.756	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.08	131	1108357	7.346	ppbv	93
57) Chlorobenzene	12.10	112	1966644	6.602	ppbv	94
58) Ethyl Benzene	12.67	91	3644943	6.635	ppbv	98
59) m/p-Xylene	12.95	91	3368693	7.285	ppbv #	53
60) o-Xylene	13.65	91	2838002	6.616	ppbv	96
61) Styrene	13.48	104	1545461	6.720	ppbv	95
62) Isopropylbenzene	14.63	105	3907965	6.418	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.64	83	2134373	6.698	ppbv	99
64) n-propylbenzene	15.52	120	993030	6.402	ppbv	89
65) tert-Butylbenzene	16.70	119	3358470	6.260	ppbv	96
66) Benzyl Chloride	16.94	91	264567	9.731	ppbv	95
67) sec-Butylbenzene	17.25	105	4726066	6.322	ppbv	100
69) p-Isopropyltoluene	17.61	119	3884074	6.642	ppbv	98
70) n-Butylbenzene	18.51	91	4045852	7.236	ppbv	98
71) 2-Chlorotoluene	15.41	91	2998390	6.735	ppbv	97
72) 4-Ethyltoluene	15.80	105	3376328	6.788	ppbv	97
73) 1,3,5-Trimethylbenzene	15.96	105	2979977	6.560	ppbv	97
74) 1,2,4-Trimethylbenzene	16.72	105	3123262	6.672	ppbv	96
75) 1,3-Dichlorobenzene	16.95	146	1772754	6.895	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	1746457	6.750	ppbv	98
77) 1,2-Dichlorobenzene	17.77	146	1698137	6.821	ppbv	100
78) Hexachloro-1,3-Butadiene	23.33	225	997082	6.415	ppbv	99
79) Naphthalene	22.14	128	1900201	7.708	ppbv	99
80) Naphthalene, 2-methyl-	24.93	142	427570	8.093	ppbv	96
81) 1,2,4-Trichlorobenzene	21.87	180	1064645	7.516	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51

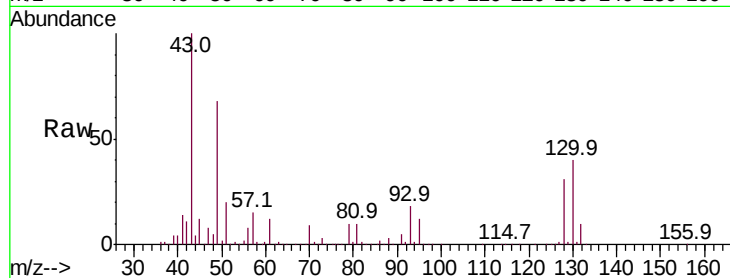
Tot Ion: 49 Resp: 1087415

Ion Ratio Lower Upper

49 100

128 50.0 26.5 79.5

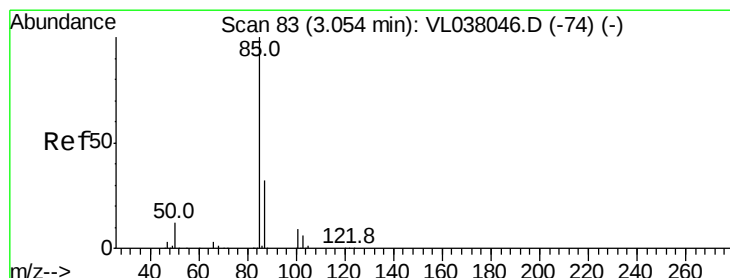
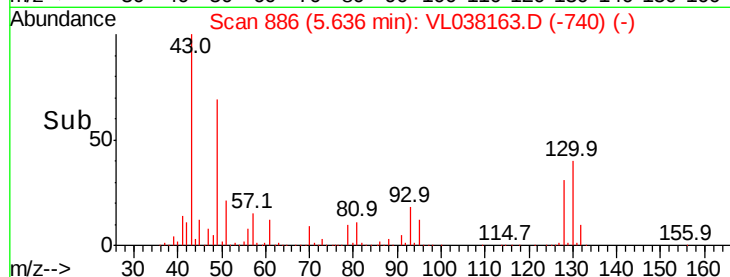
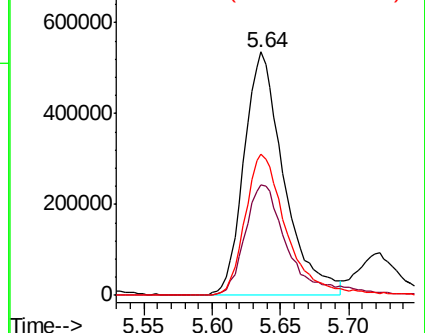
130 61.1 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.452 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL038163.D

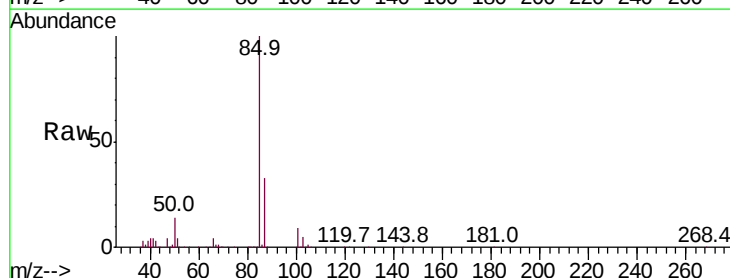
Acq: 14 Dec 2021 12:51

Tgt Ion: 85 Resp: 1518143

Ion Ratio Lower Upper

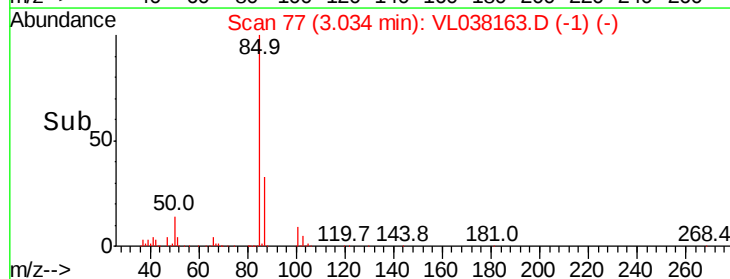
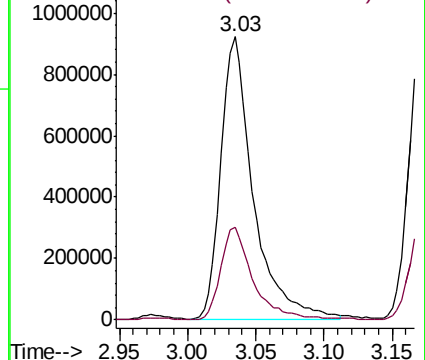
85 100

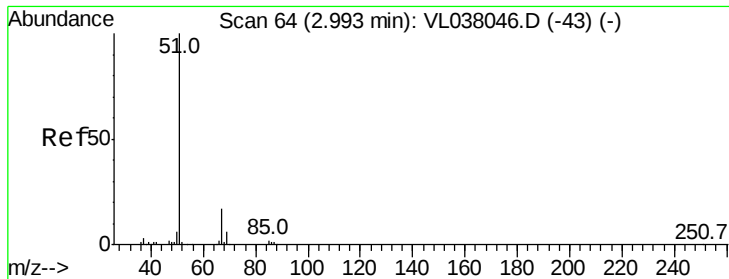
87 32.9 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.167 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

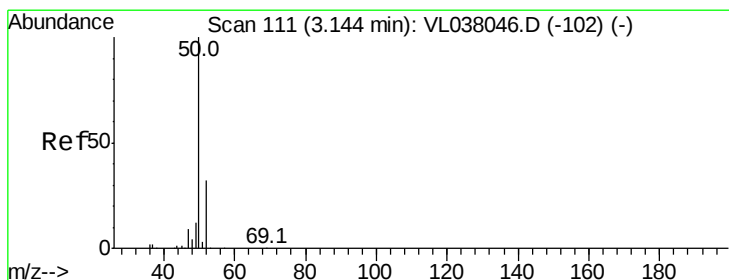
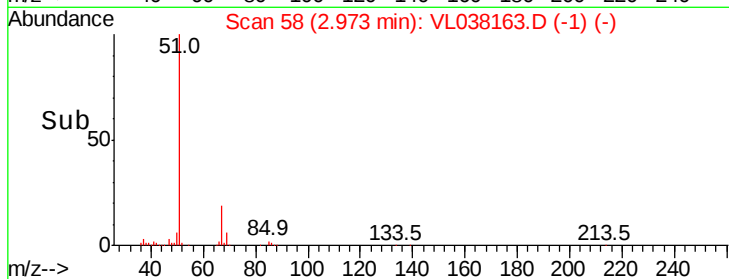
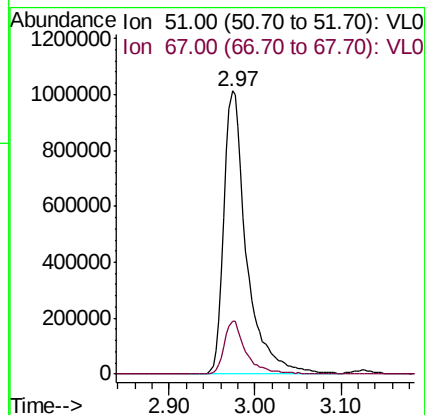
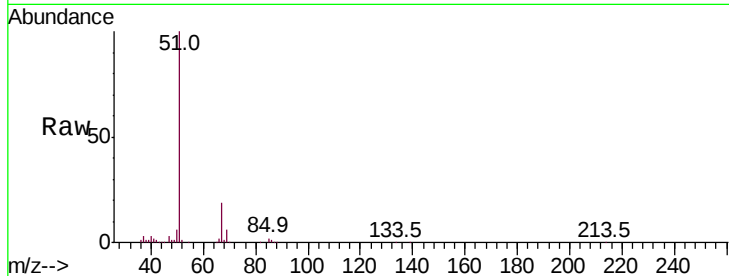
Acq: 14 Dec 2021 12:51

Tot Ion: 51 Resp: 1864989

Ion Ratio Lower Upper

51 100

67 18.0 13.8 20.8



#4

Chloromethane

Concen: 8.046 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL038163.D

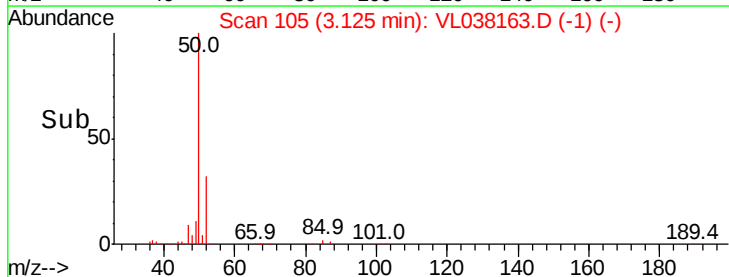
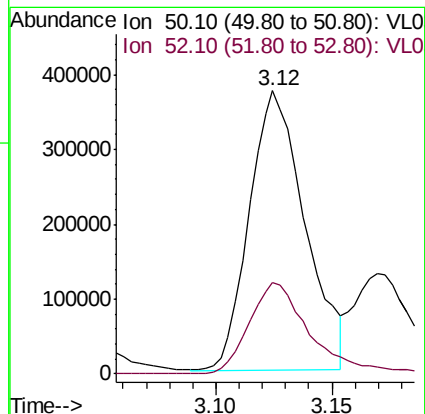
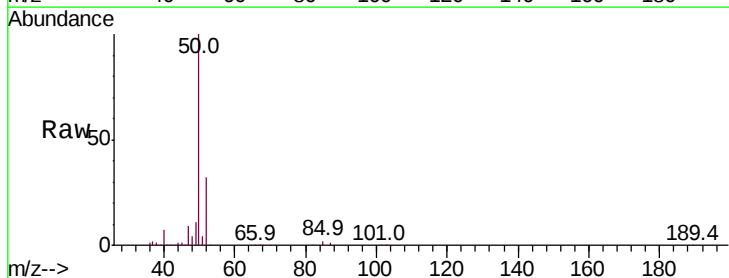
Acq: 14 Dec 2021 12:51

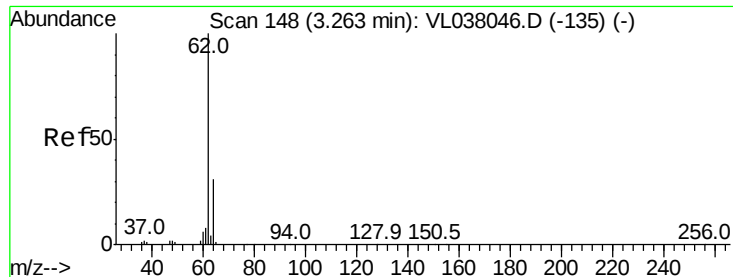
Tgt Ion: 50 Resp: 625460

Ion Ratio Lower Upper

50 100

52 32.7 25.4 38.0





#5

Vinyl Chloride

Concen: 8.453 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

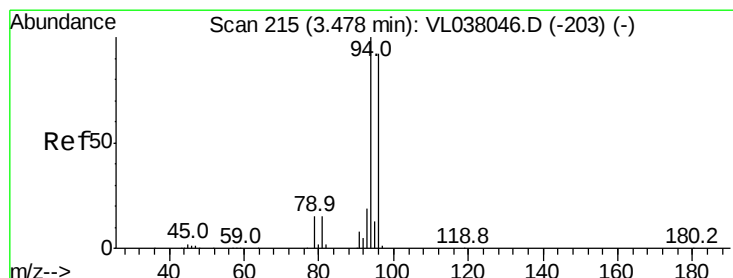
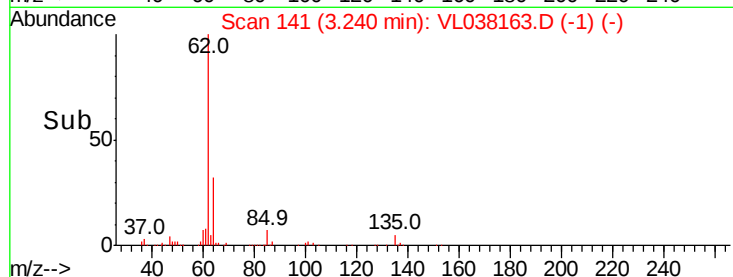
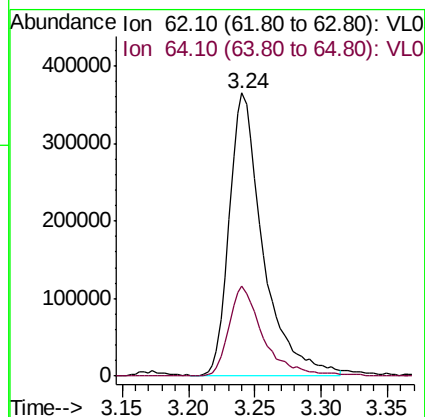
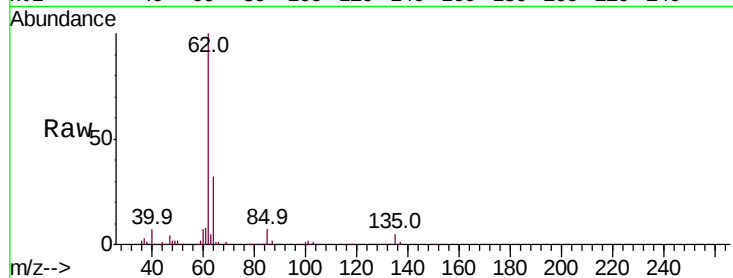
Acq: 14 Dec 2021 12:51

Tot Ion: 62 Resp: 644658

Ion Ratio Lower Upper

62 100

64 31.8 25.1 37.7



#6

Bromomethane

Concen: 8.638 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.02 min

Lab File: VL038163.D

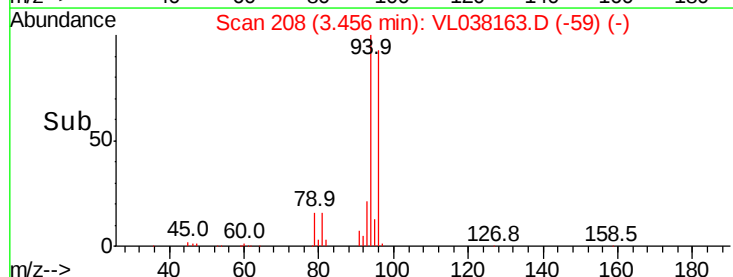
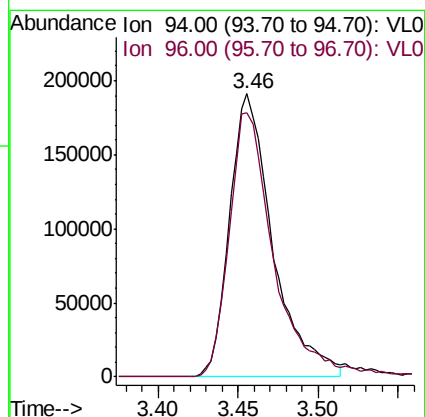
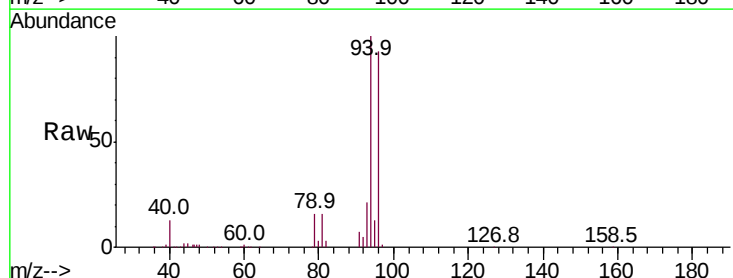
Acq: 14 Dec 2021 12:51

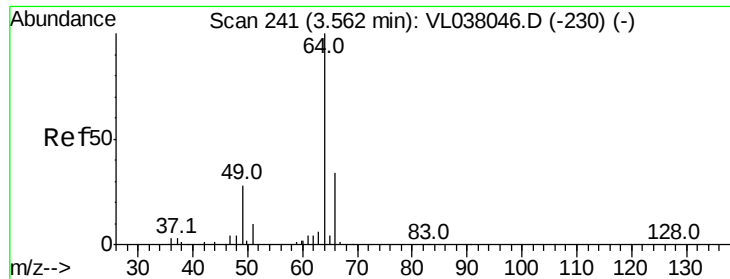
Tgt Ion: 94 Resp: 352913

Ion Ratio Lower Upper

94 100

96 93.4 73.9 110.9





#7

Chloroethane

Concen: 8.180 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

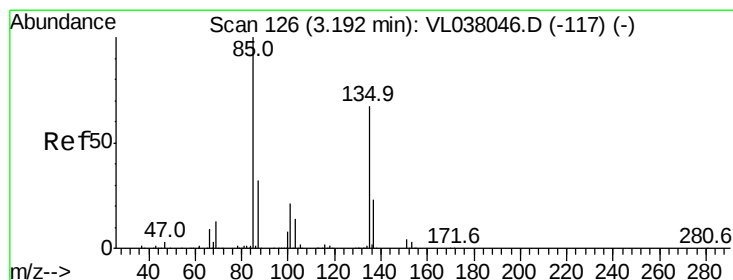
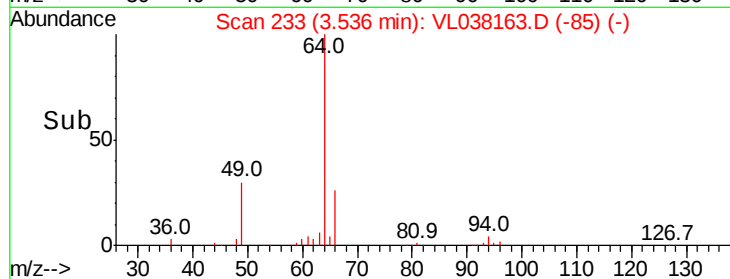
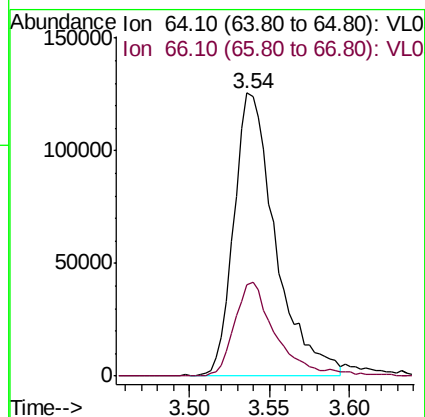
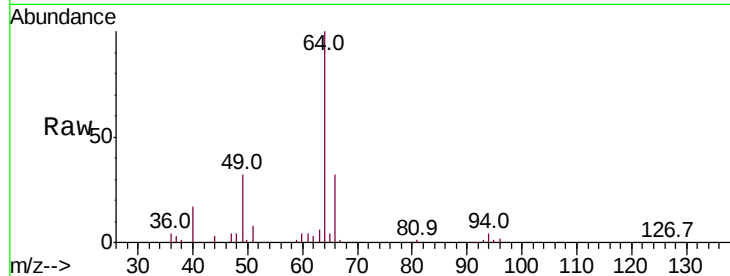
Acq: 14 Dec 2021 12:51

Tot Ion: 64 Resp: 221410

Ion Ratio Lower Upper

64 100

66 32.2 27.2 40.8



#8

Dichlorotetrafluoroethane

Concen: 8.495 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.02 min

Lab File: VL038163.D

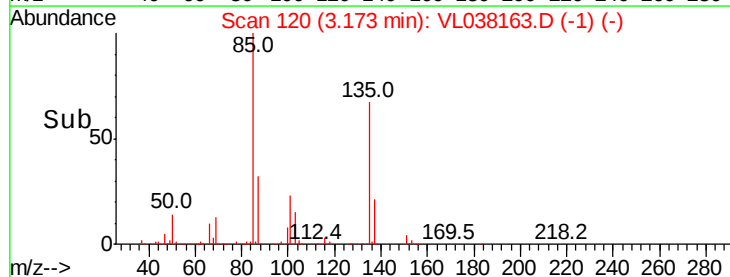
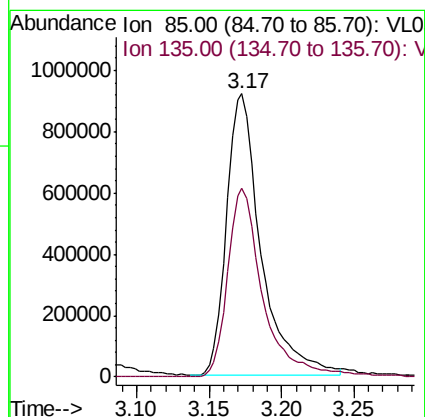
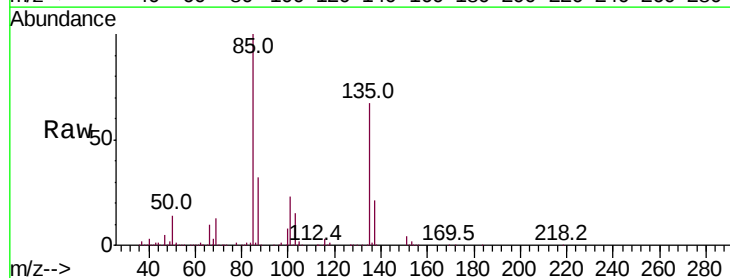
Acq: 14 Dec 2021 12:51

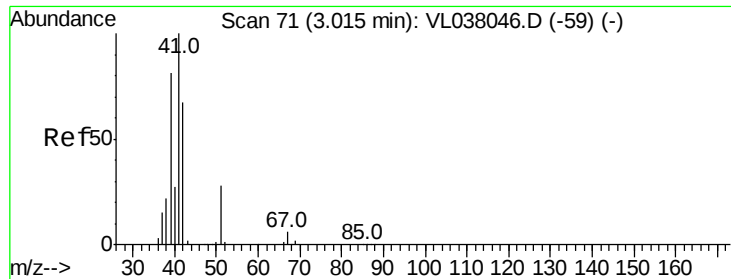
Tgt Ion: 85 Resp: 1517855

Ion Ratio Lower Upper

85 100

135 69.4 57.9 86.9





#9

Propene

Concen: 7.626 ppbv

RT: 3.00 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

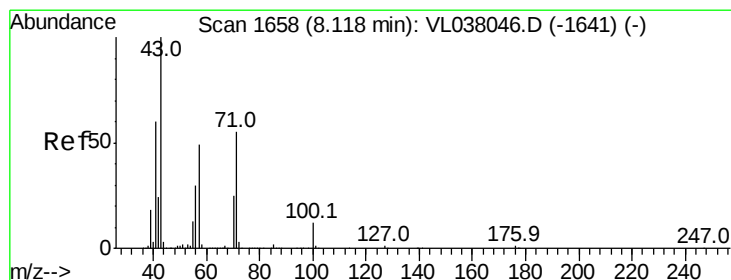
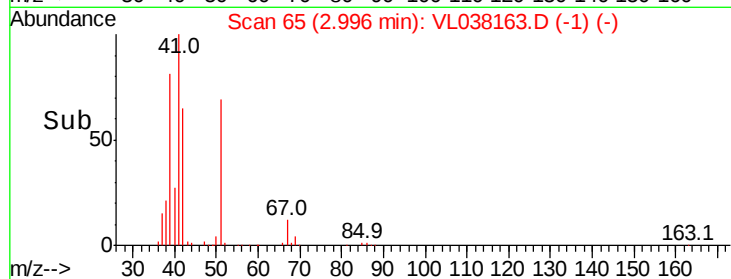
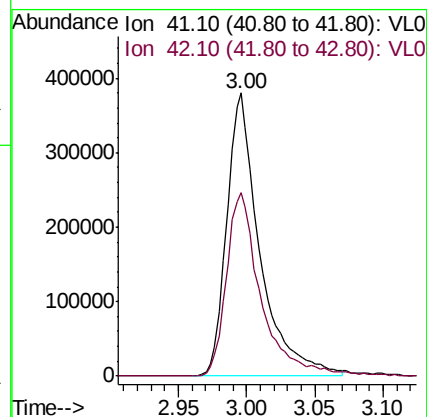
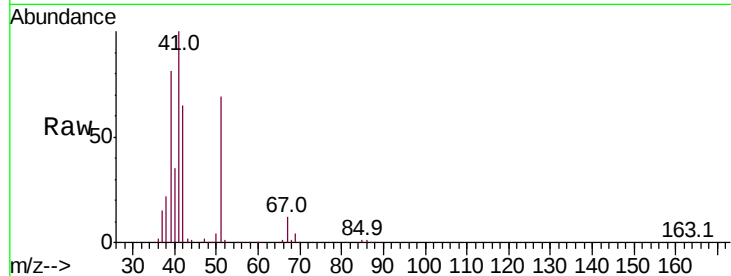
Acq: 14 Dec 2021 12:51

Tot Ion: 41 Resp: 641340

Ion Ratio Lower Upper

41 100

42 68.4 53.8 80.8



#10

Heptane

Concen: 7.772 ppbv

RT: 8.09 min Scan# 1648

Delta R.T. -0.03 min

Lab File: VL038163.D

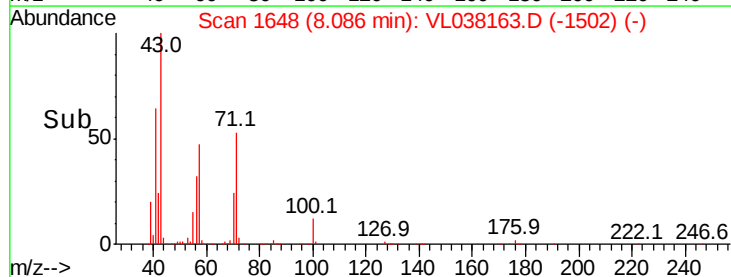
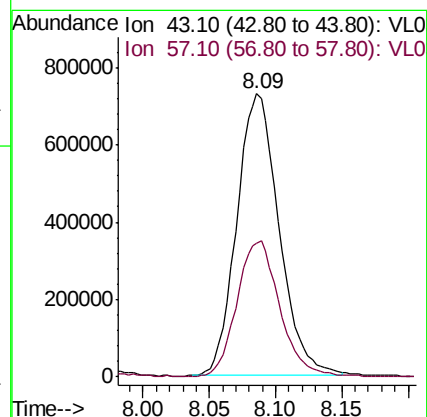
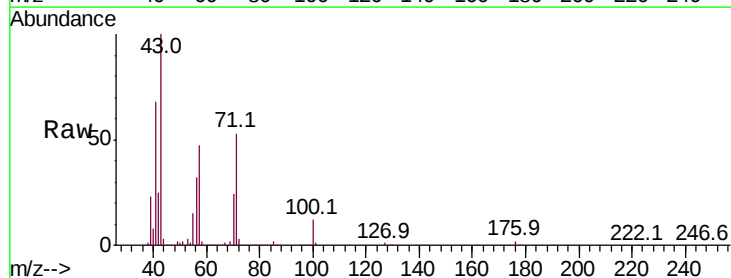
Acq: 14 Dec 2021 12:51

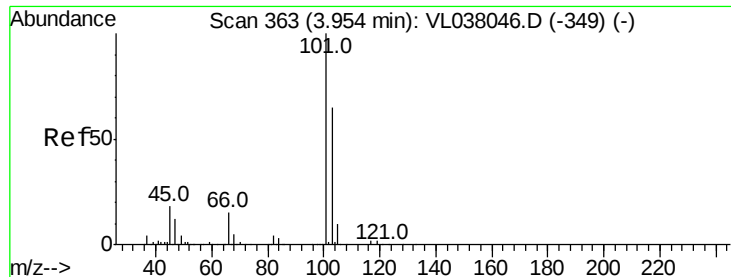
Tgt Ion: 43 Resp: 1615433

Ion Ratio Lower Upper

43 100

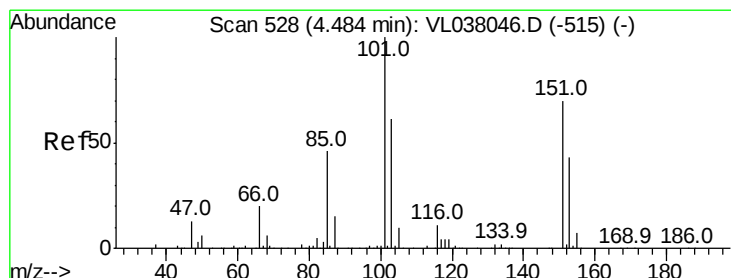
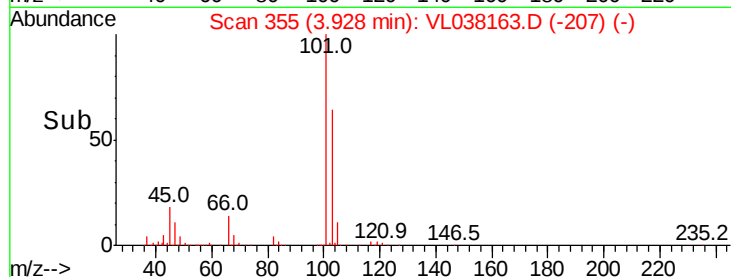
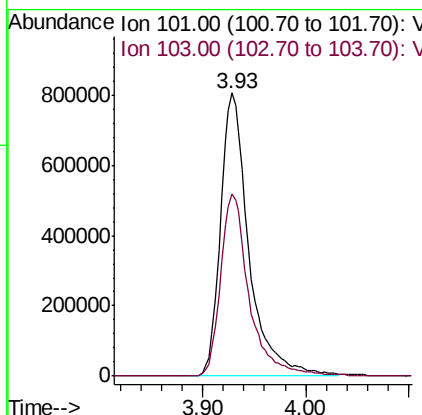
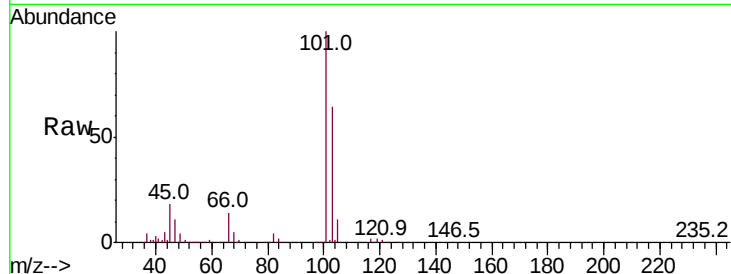
57 49.4 40.4 60.6





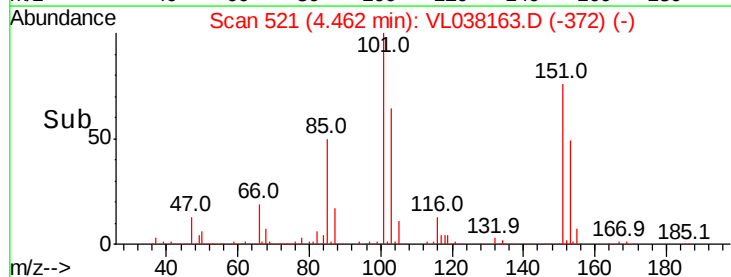
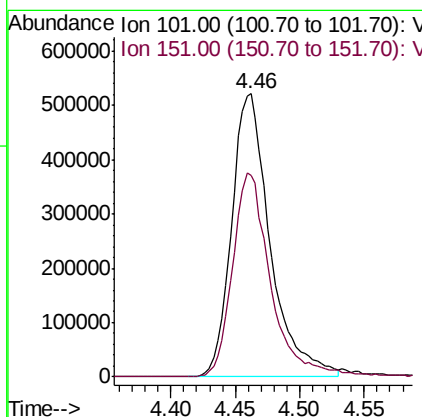
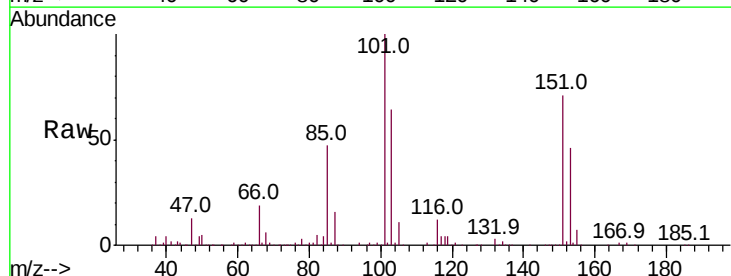
#11
 Trichlorofluoromethane
 Concen: 9.027 ppbv
 RT: 3.93
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Dec 2021 12:51

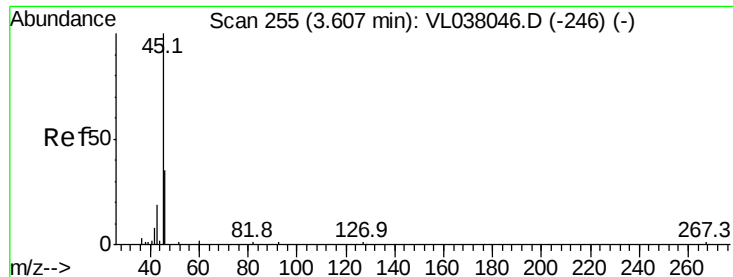
Tot Ion:101 Resp: 1542048
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.967 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

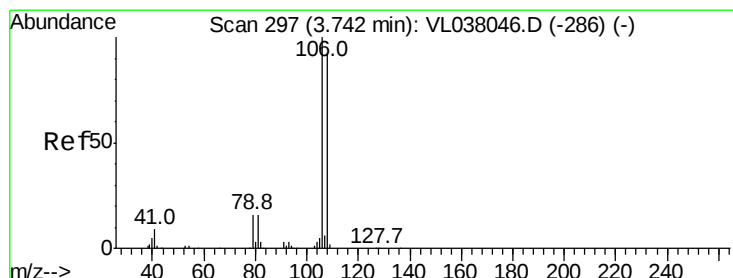
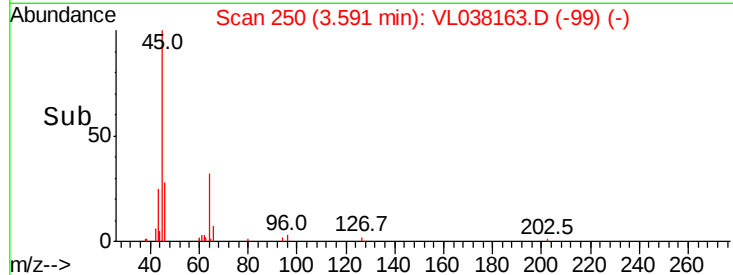
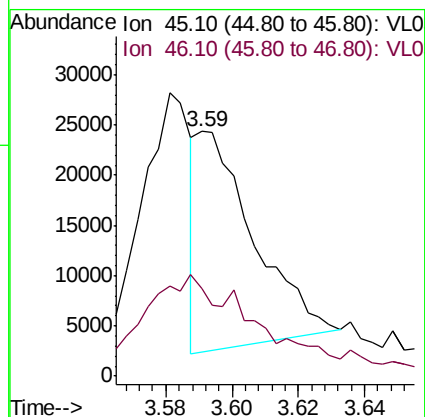
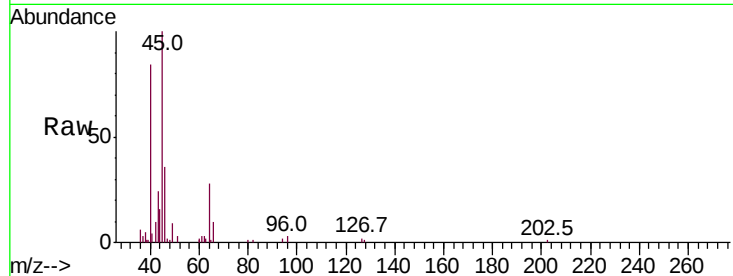
Tgt Ion:101 Resp: 1083624
 Ion Ratio Lower Upper
 101 100
 151 71.9 59.0 88.4





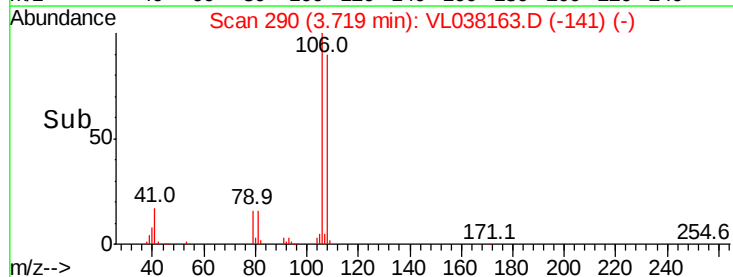
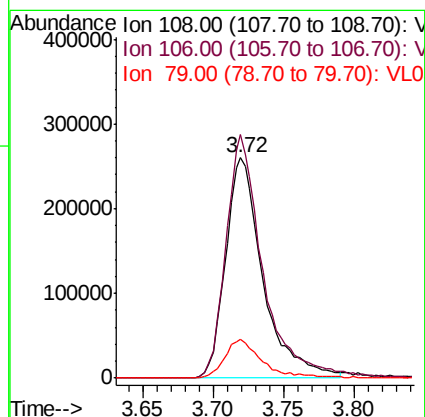
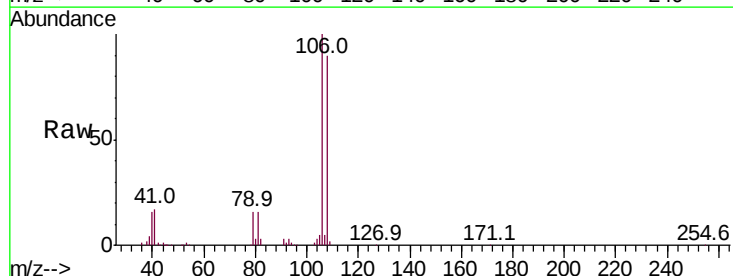
#13
Ethanol
Concen: 3.140 ppbv
RT: 3.59
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 12:51

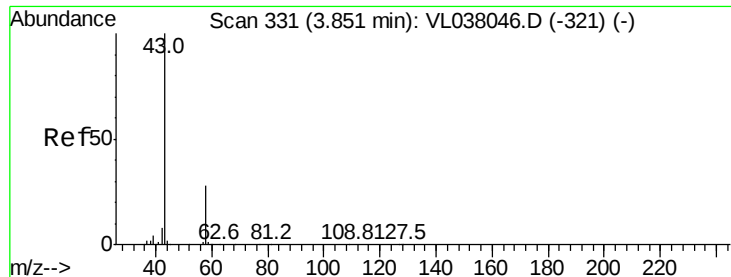
Tot Ion: 45 Resp: 25524
Ion Ratio Lower Upper
45 100
46 109.1 17.6 70.2#



#14
Bromoethene
Concen: 8.896 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.02 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 108 Resp: 481342
Ion Ratio Lower Upper
108 100
106 110.7 89.4 134.0
79 17.8 14.1 21.1





#15

Acetone

Concen: 8.572 ppbv

RT: 3.83 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

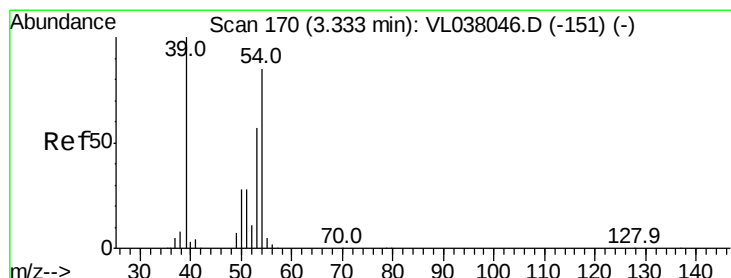
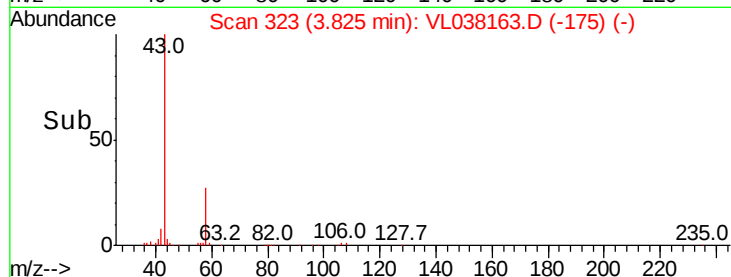
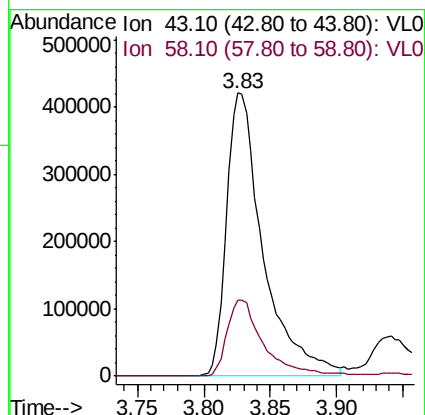
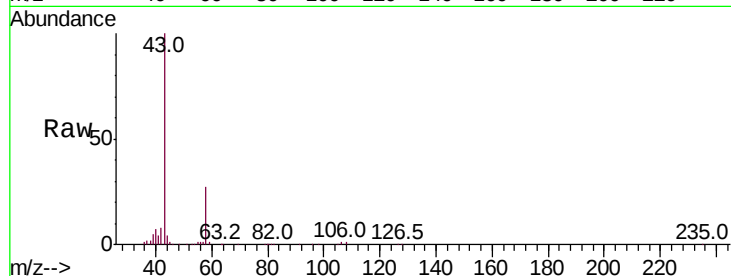
Acq: 14 Dec 2021 12:51

Tot Ion: 43 Resp: 808208

Ion Ratio Lower Upper

43 100

58 27.1 22.4 33.6



#16

1,3-Butadiene

Concen: 8.316 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL038163.D

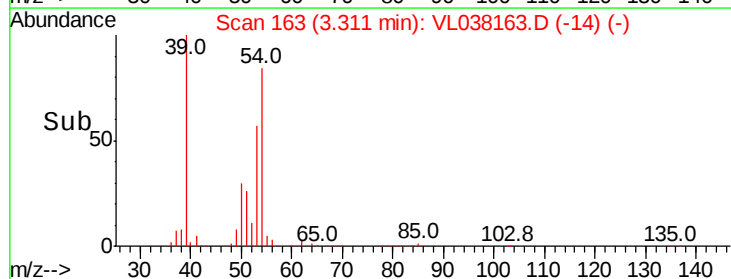
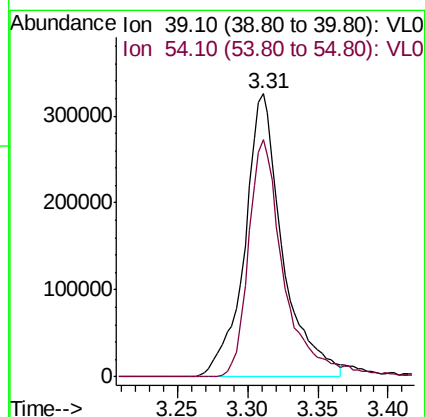
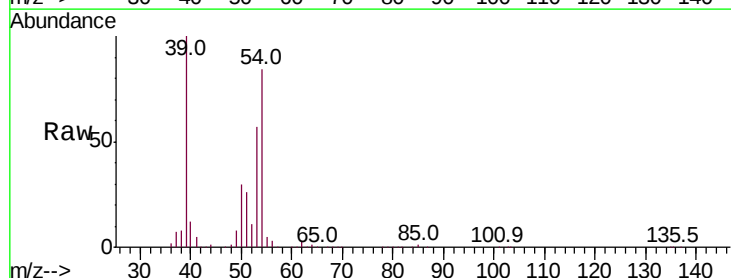
Acq: 14 Dec 2021 12:51

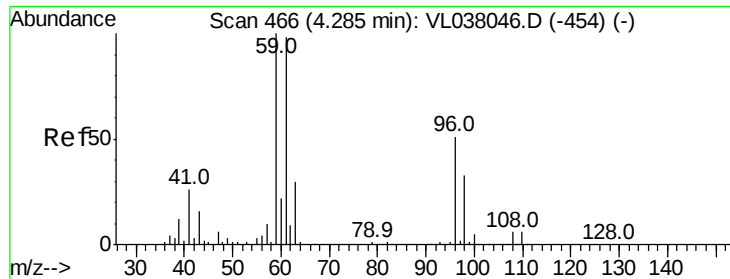
Tgt Ion: 39 Resp: 611654

Ion Ratio Lower Upper

39 100

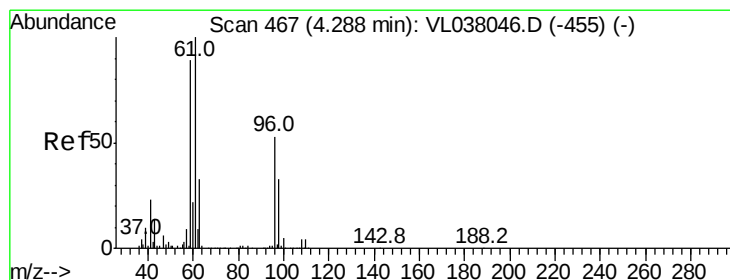
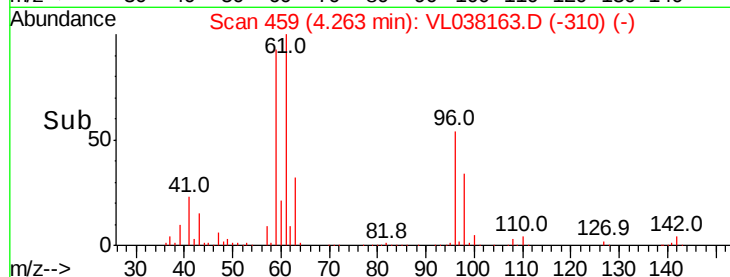
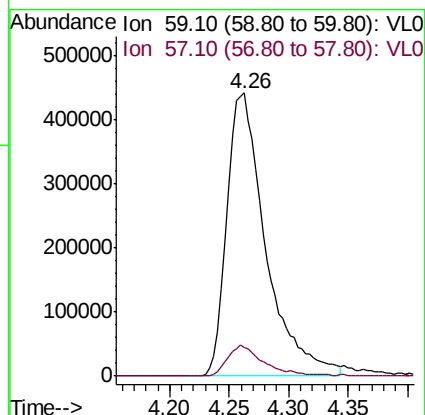
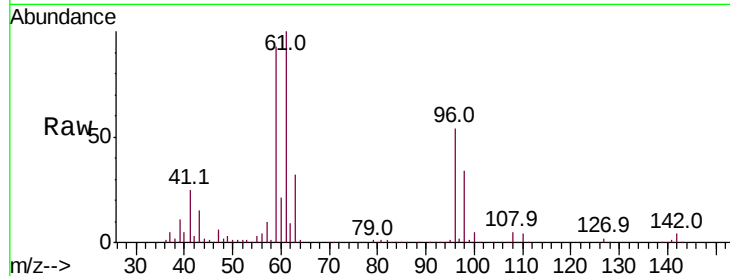
54 79.7 64.4 96.6





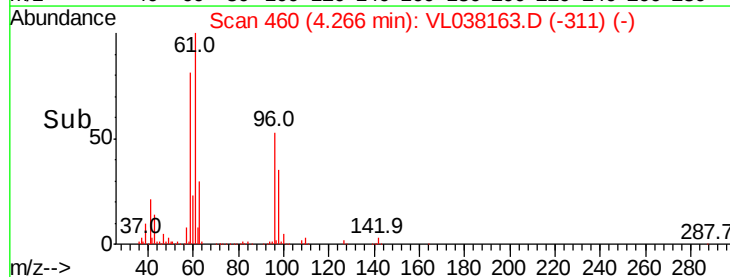
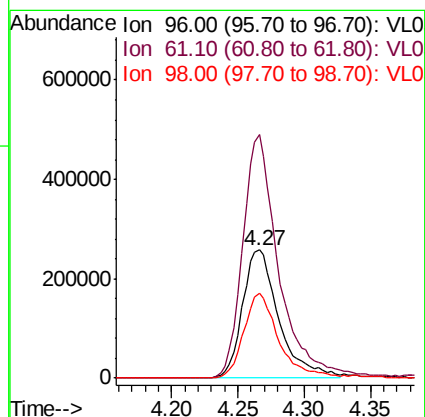
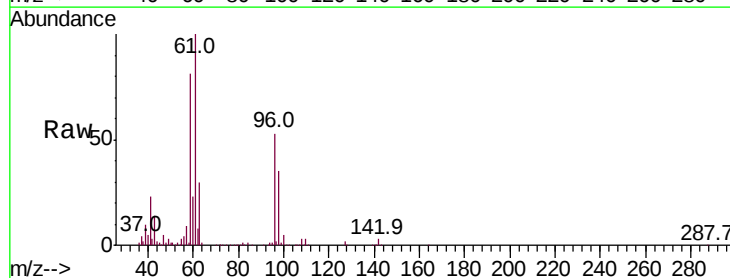
#17
tert-Butyl alcohol
Concen: 8.756 ppbv
RT: 4.26
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51

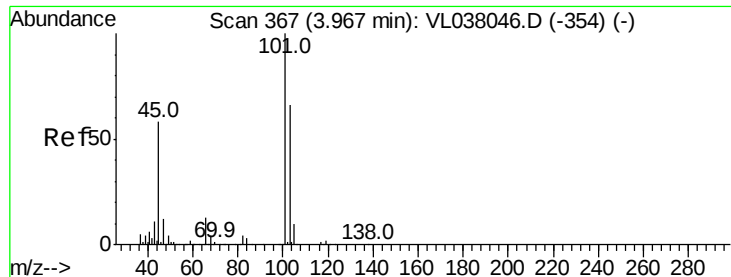
Tot Ion: 59 Resp: 1001371
Ion Ratio Lower Upper
59 100
57 10.5 8.6 13.0



#18
1,1-Dichloroethene
Concen: 8.871 ppbv
RT: 4.27 min Scan# 460
Delta R.T. -0.02 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 96 Resp: 491728
Ion Ratio Lower Upper
96 100
61 190.2 149.8 224.8
98 65.9 50.2 75.2





#19

Isopropyl Alcohol

Concen: 8.471 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

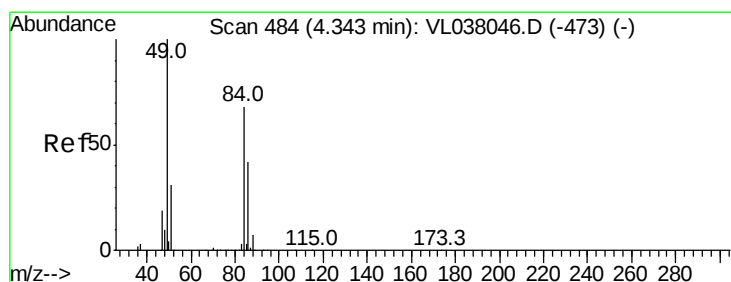
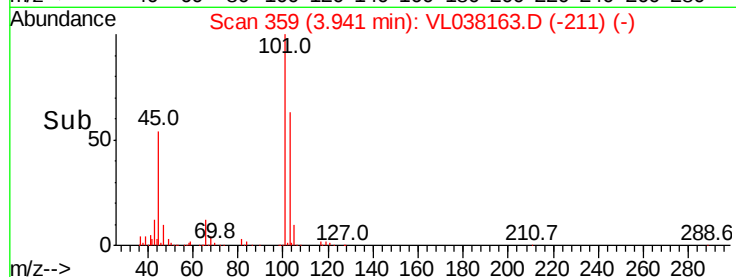
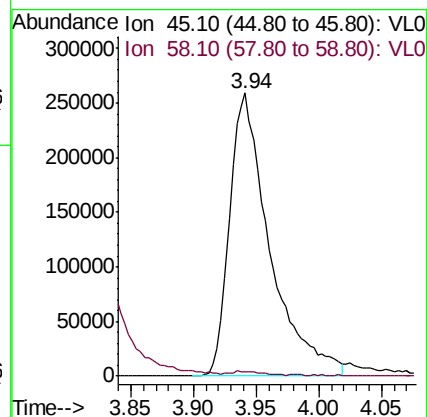
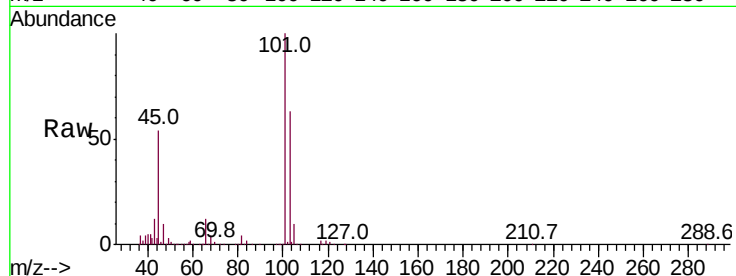
Acq: 14 Dec 2021 12:51

Tot Ion: 45 Resp: 577029

Ion Ratio Lower Upper

45 100

58 1.6 1.4 2.0



#20

Methylene Chloride

Concen: 7.916 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion: 84 Resp: 418015

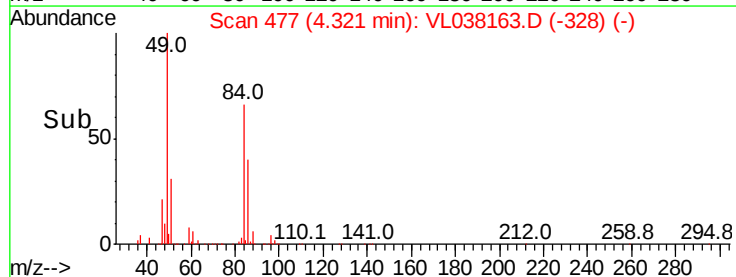
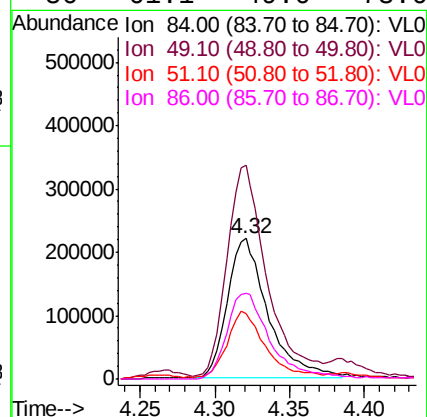
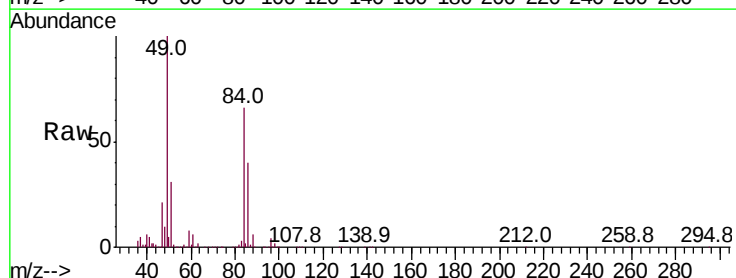
Ion Ratio Lower Upper

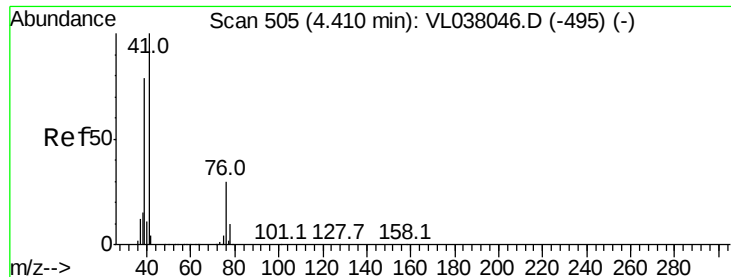
84 100

49 150.6 118.2 177.2

51 45.6 36.8 55.2

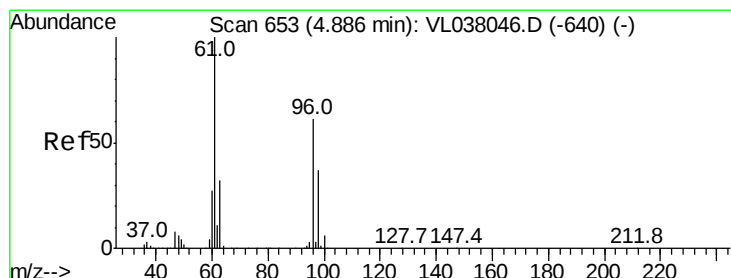
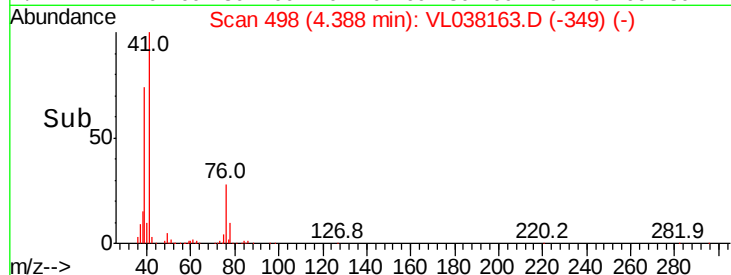
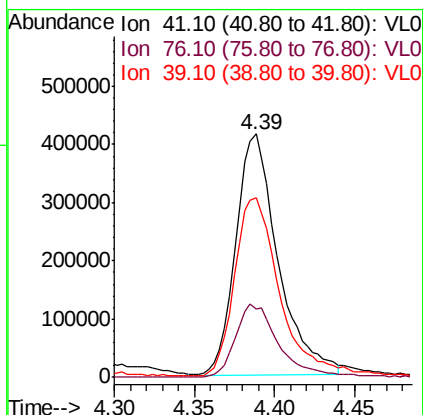
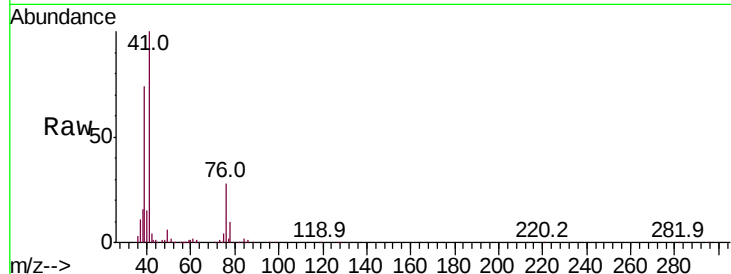
86 61.1 49.0 73.6





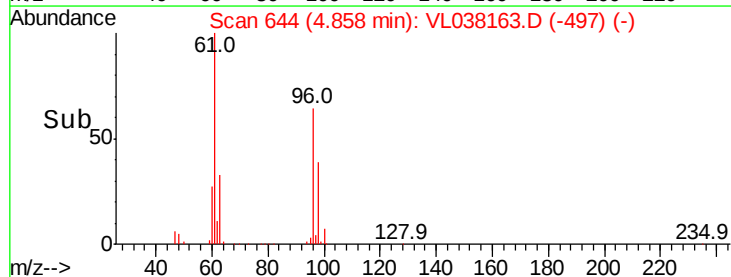
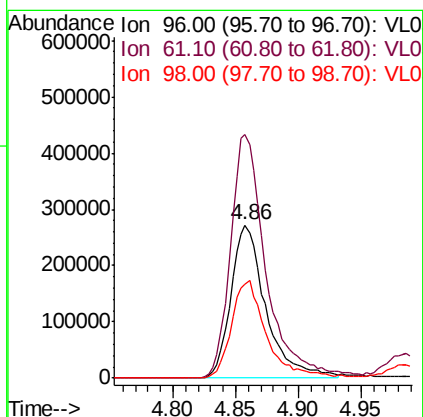
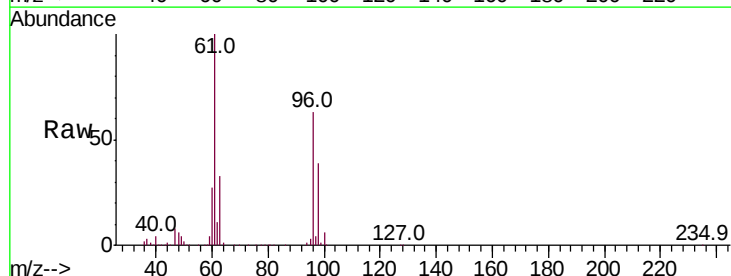
#21
 Allvl Chloride
 Concen: 8.587 ppbv
 RT: 4.39
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Dec 2021 12:51

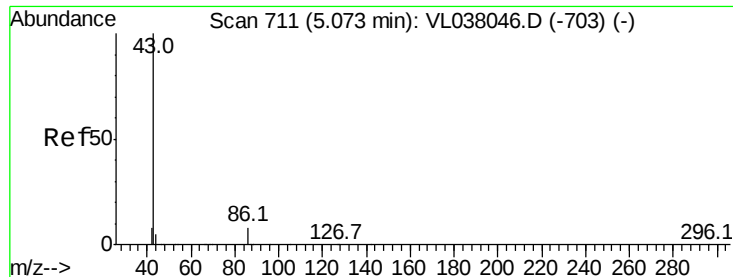
Tot Ion	Ratio	Lower	Upper
41	100		
76	31.4	24.6	36.8
39	80.1	63.4	95.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.362 ppbv
 RT: 4.86 min Scan# 644
 Delta R.T. -0.03 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.0	131.6	197.4
98	61.5	48.4	72.6





#23

Vinyl Acetate

Concen: 8.942 ppbv

RT: 5.04 Instrument:

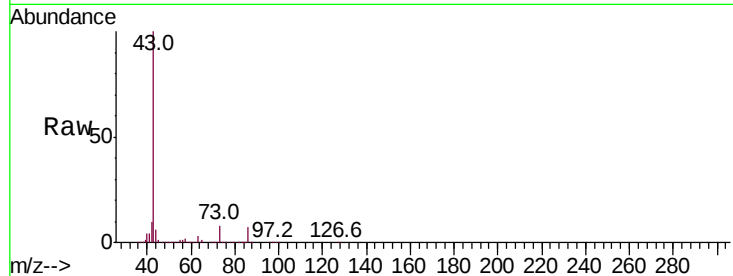
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51

Tot Ion: 43 Resp: 1220379

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.3	7.9
42	9.6	7.0	10.6
44	5.7	4.0	6.0

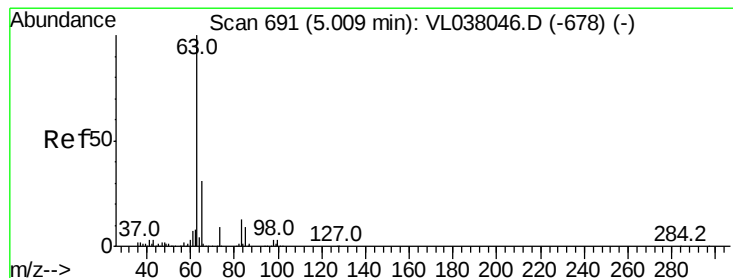
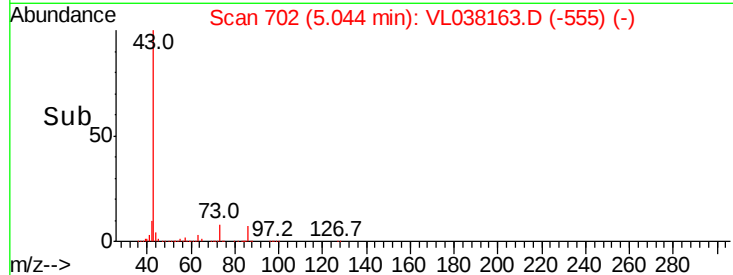
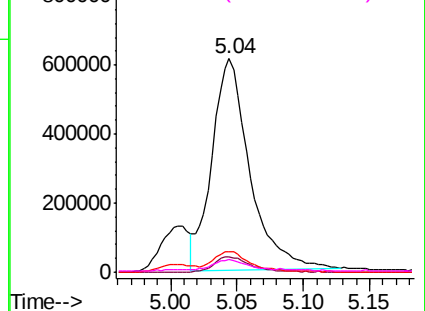


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.949 ppbv

RT: 4.98 min Scan# 683

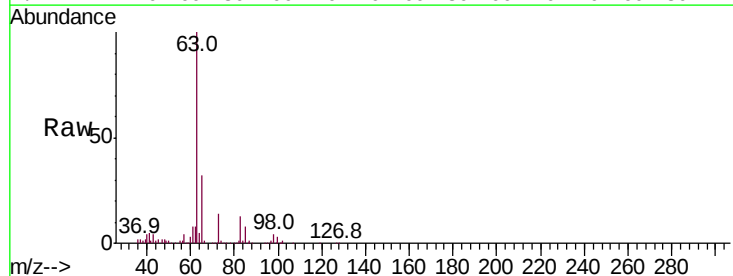
Delta R.T. -0.03 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion: 63 Resp: 1017061

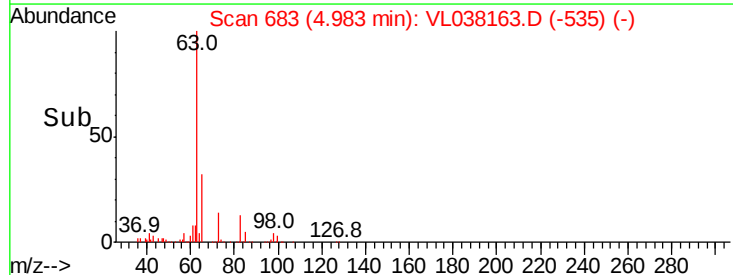
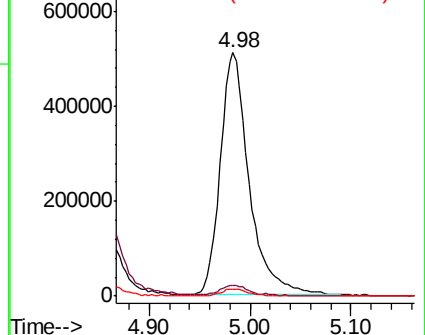
Ion	Ratio	Lower	Upper
63	100		
98	4.3	1.8	5.4
100	2.9	1.4	4.0

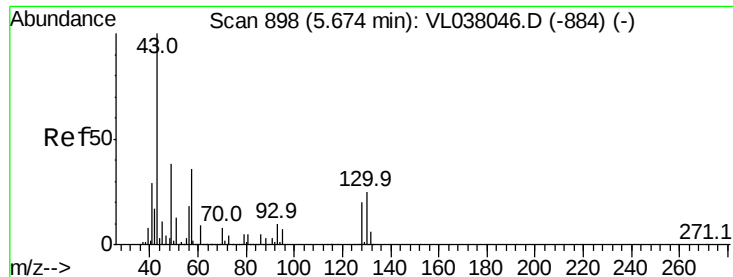


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

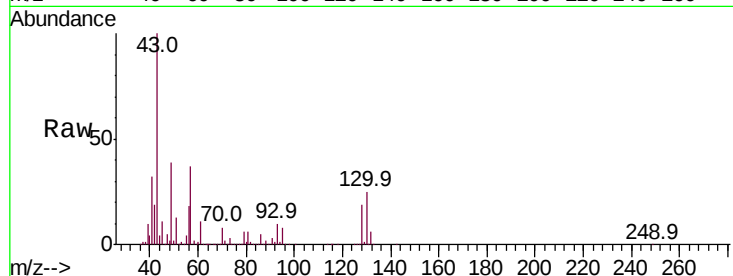
Ion 100.00 (99.70 to 100.70): VL0



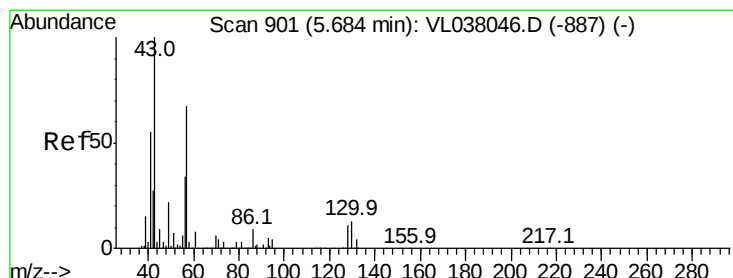
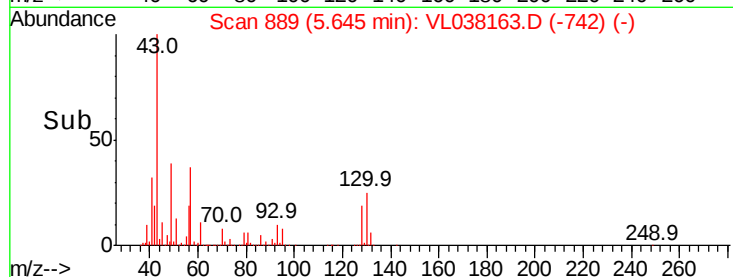
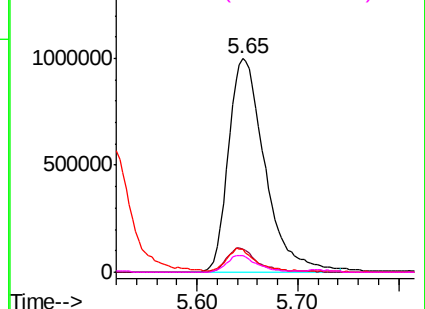


#25
Ethyl Acetate
Concen: 7.988 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51

Tot Ion:	43	Resp:	2502895
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.9	11.9
61	9.7	7.8	11.6
70	6.7	5.8	8.8

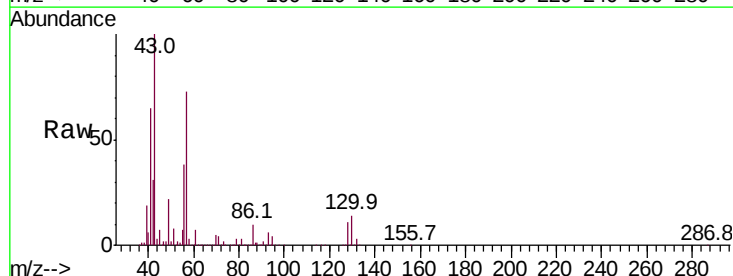


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

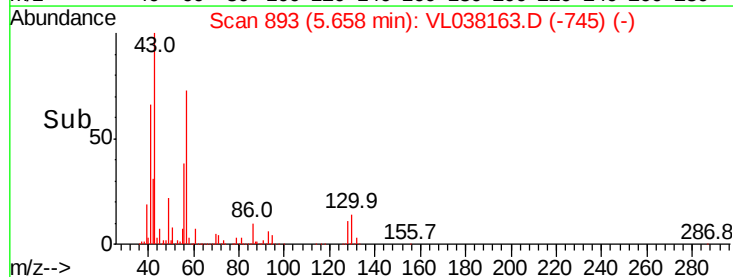
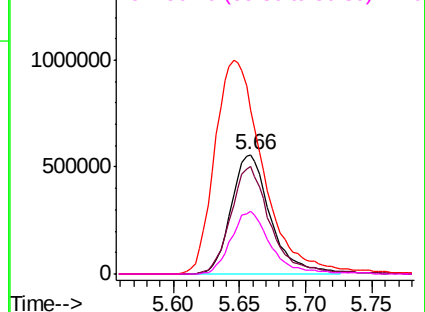


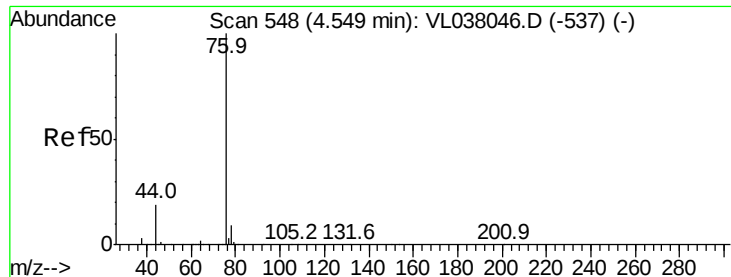
#26
Hexane
Concen: 7.619 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion:	57	Resp:	1150741
Ion	Ratio	Lower	Upper
57	100		
41	91.6	71.4	107.2
43	220.4	174.6	261.8
56	53.3	43.2	64.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.715 ppbv

RT: 4.52 Instrument:

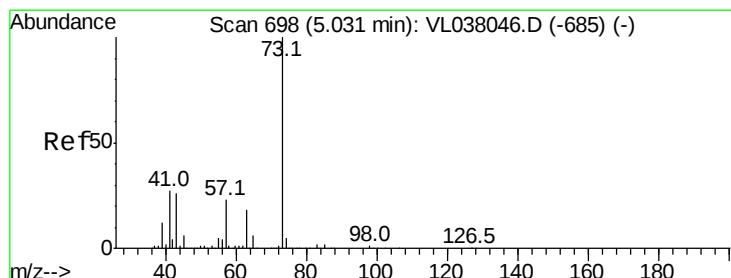
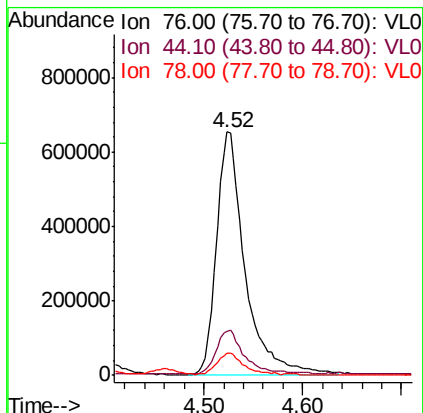
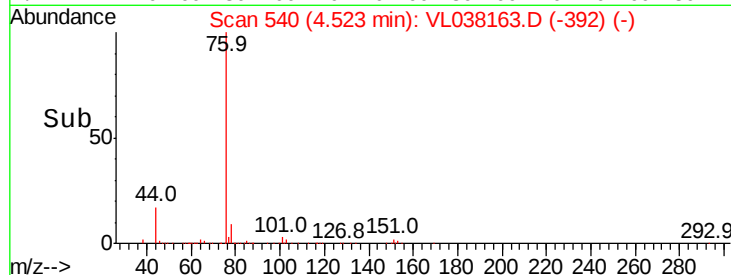
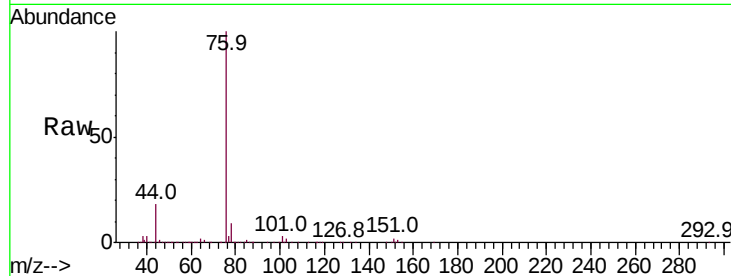
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51

Tot Ion: 76 Resp: 1314400

Ion	Ratio	Lower	Upper
76	100		
44	19.0	14.9	22.3
78	9.0	7.6	11.4



#28

Methyl tert-Butyl Ether

Concen: 8.495 ppbv

RT: 5.01 min Scan# 690

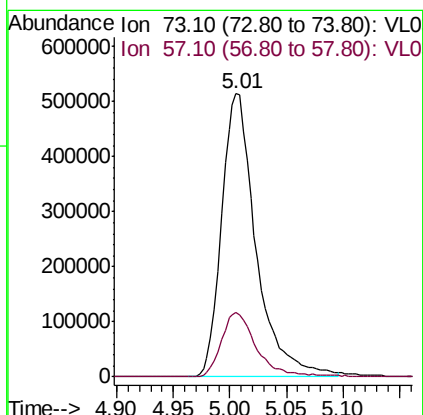
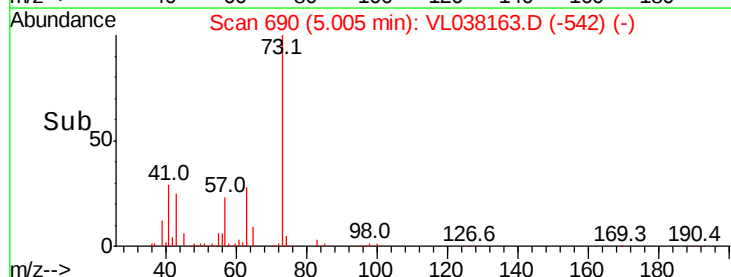
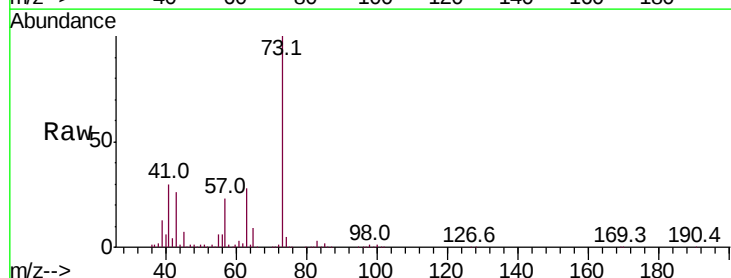
Delta R.T. -0.03 min

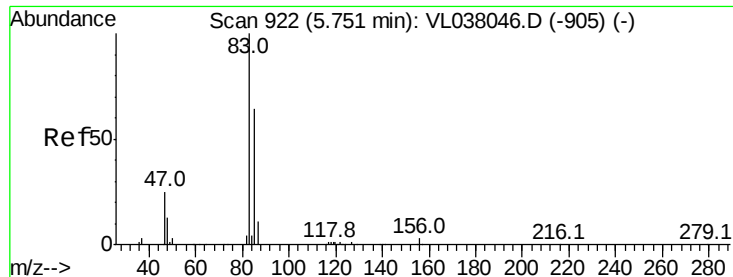
Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion: 73 Resp: 1089814

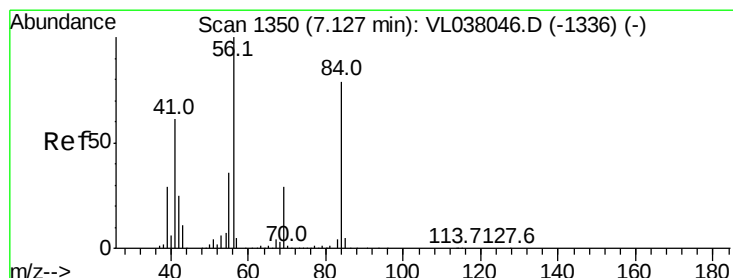
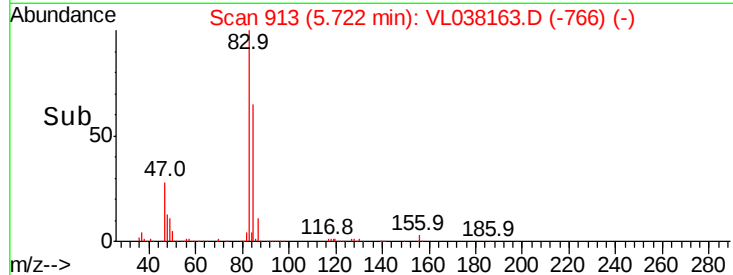
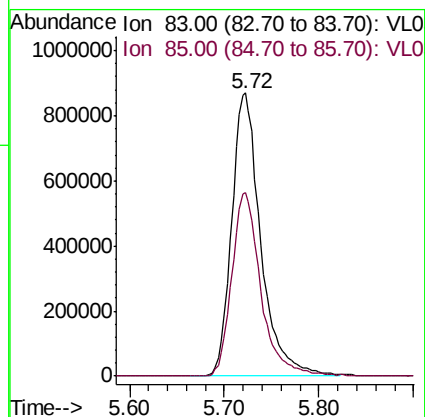
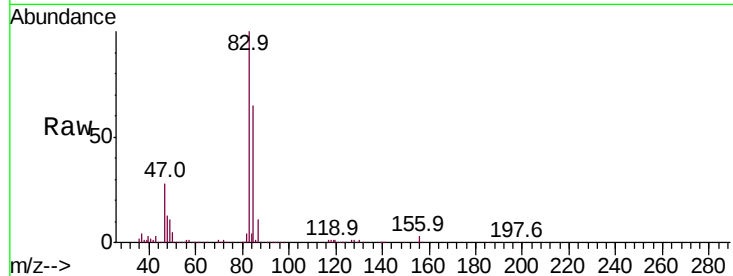
Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.0	28.4





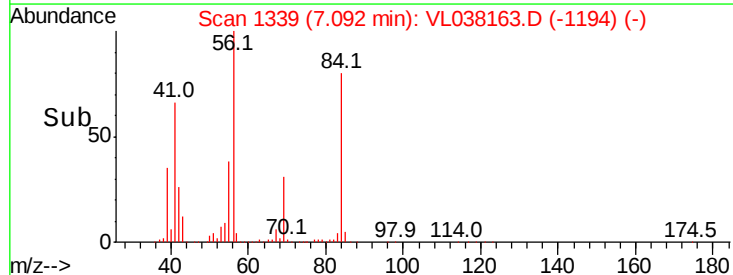
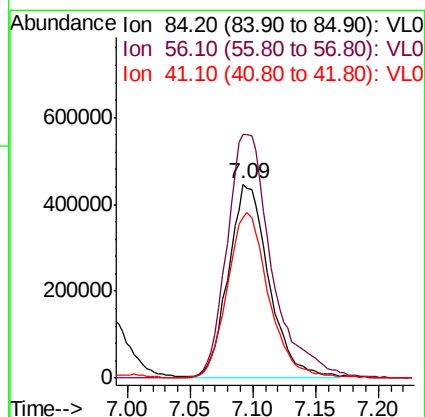
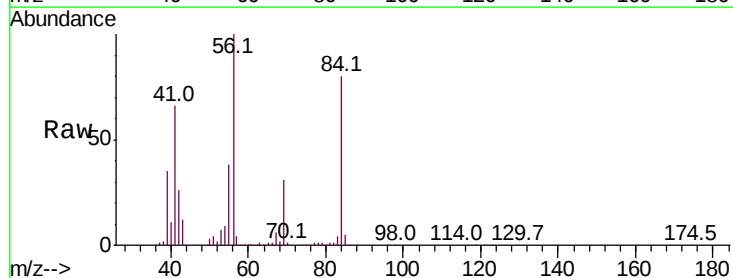
#29
Chloroform
Concen: 8.347 ppbv
RT: 5.72
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 12:51

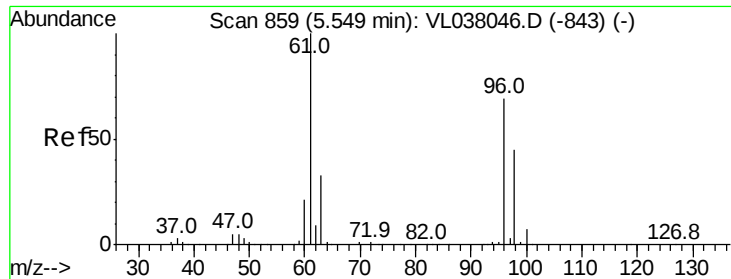
Tot Ion: 83 Resp: 1857868
Ion Ratio Lower Upper
83 100
85 64.4 51.0 76.6



#30
Cyclohexane
Concen: 7.339 ppbv
RT: 7.09 min Scan# 1339
Delta R.T.: -0.04 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 84 Resp: 1006245
Ion Ratio Lower Upper
84 100
56 139.2 108.1 162.1
41 87.1 64.4 96.6





#31

cis-1,2-Dichloroethene

Concen: 8.057 ppbv

RT: 5.52

Instrument: MSVOA_1

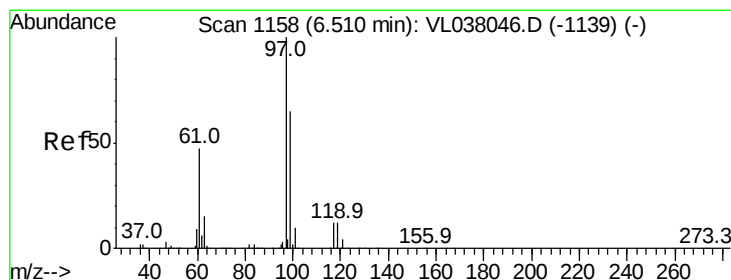
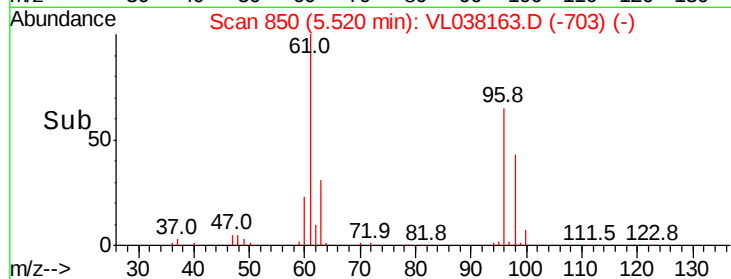
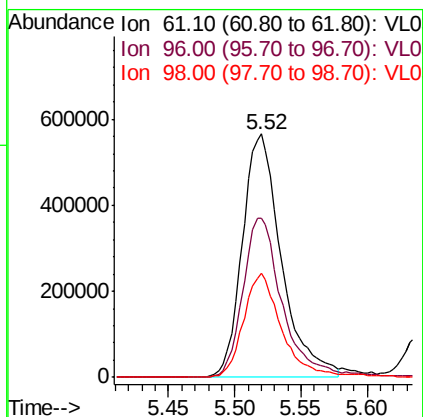
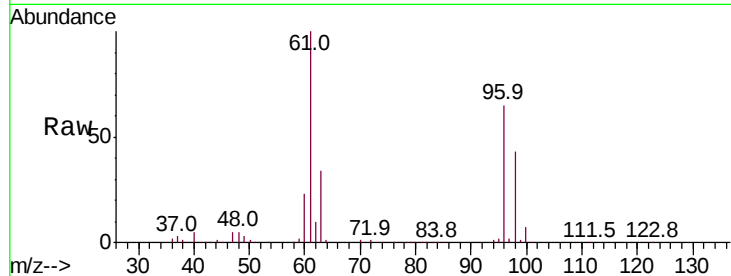
Delta R.T.

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51

Tot Ion: 61 Resp: 1157478

Ion	Ratio	Lower	Upper
61	100		
96	65.2	55.4	83.2
98	42.5	35.7	53.5



#32

1,1,1-Trichloroethane

Concen: 8.136 ppbv

RT: 6.48 min Scan# 1148

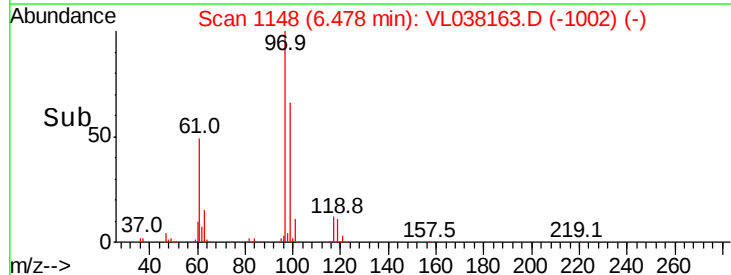
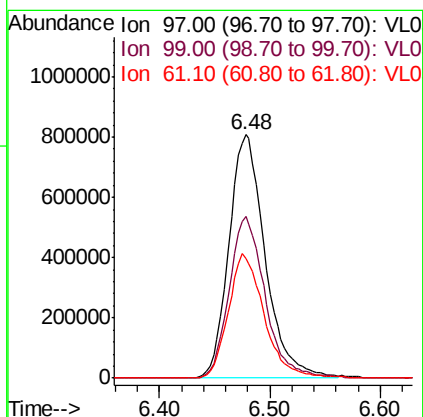
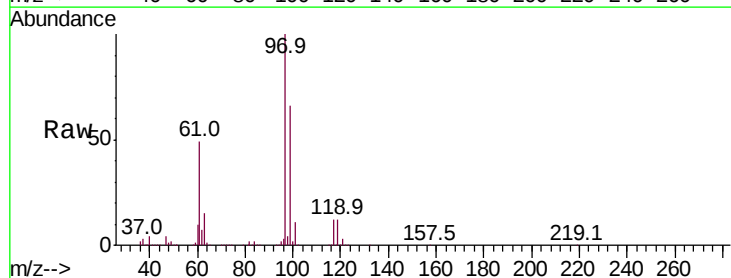
Delta R.T. -0.03 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion: 97 Resp: 1837866

Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.2	78.4
61	50.7	37.7	56.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.14 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51

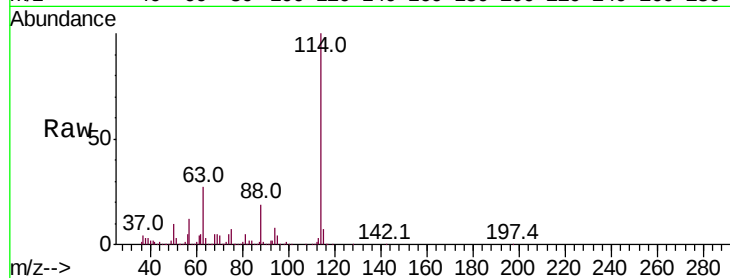
Tot Ion:114 Resp: 2927426

Ion Ratio Lower Upper

114 100

63 27.0 19.7 29.5

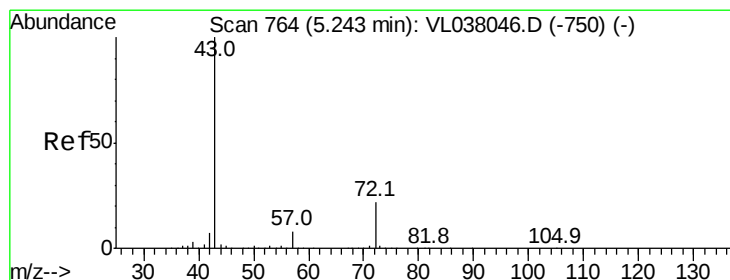
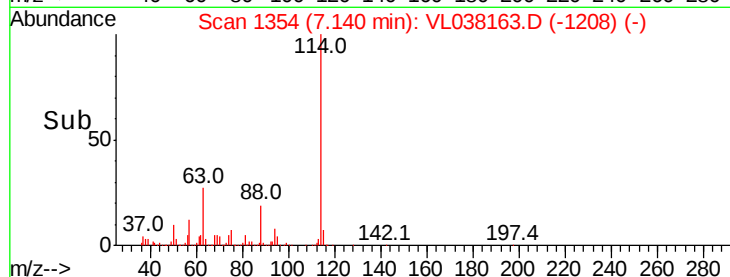
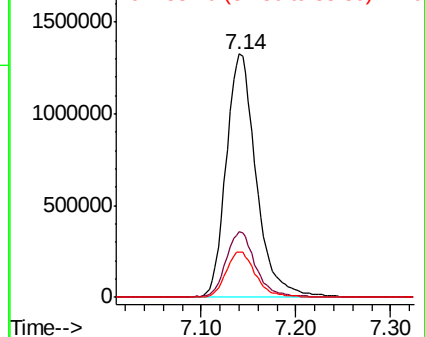
88 18.8 14.4 21.6



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: 9.074 ppbv

RT: 5.21 min Scan# 755

Delta R.T. -0.03 min

Lab File: VL038163.D

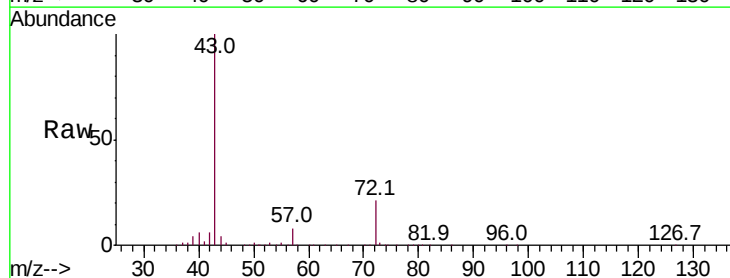
Acq: 14 Dec 2021 12:51

Tgt Ion: 43 Resp: 1071086

Ion Ratio Lower Upper

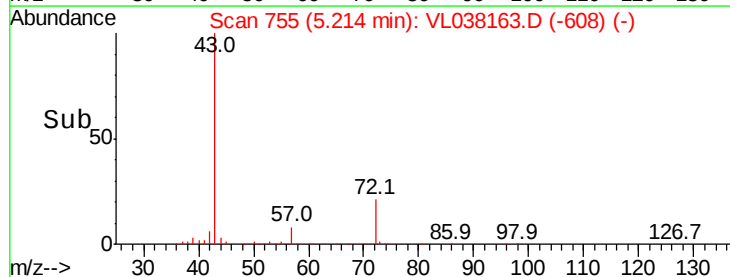
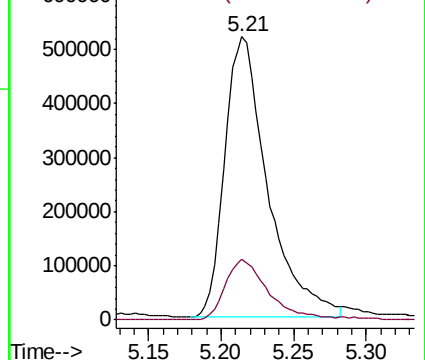
43 100

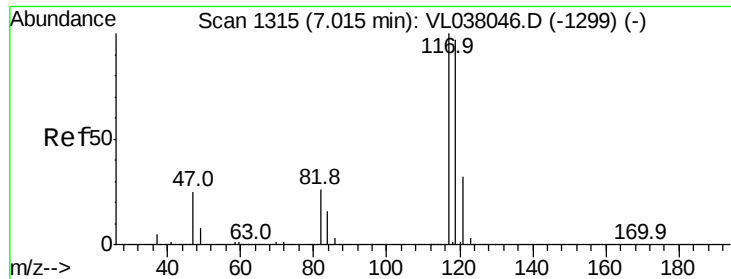
72 22.6 18.8 28.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

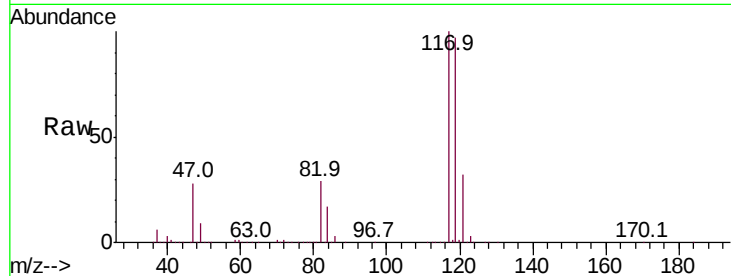
Ion 72.10 (71.80 to 72.80): VL0



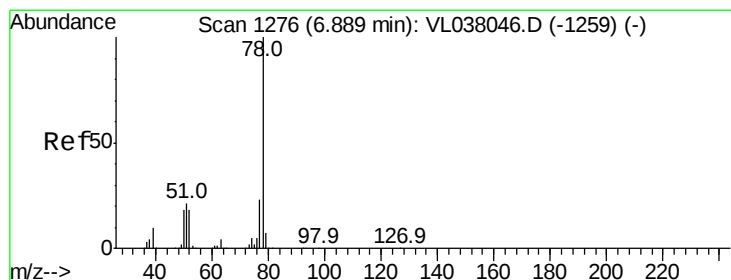
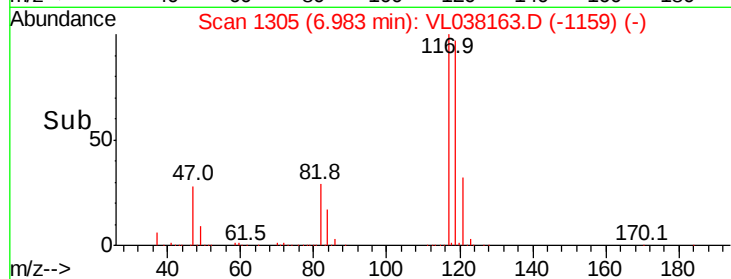
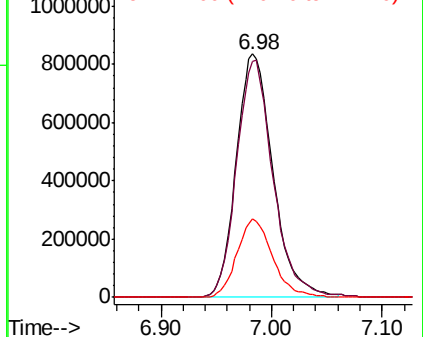


#35
Carbon Tetrachloride
Concen: 9.393 ppbv
RT: 6.98
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Dec 2021 12:51

Tot Ion:117 Resp: 1931956
Ion Ratio Lower Upper
117 100
119 96.7 77.7 116.5
121 32.1 25.6 38.4

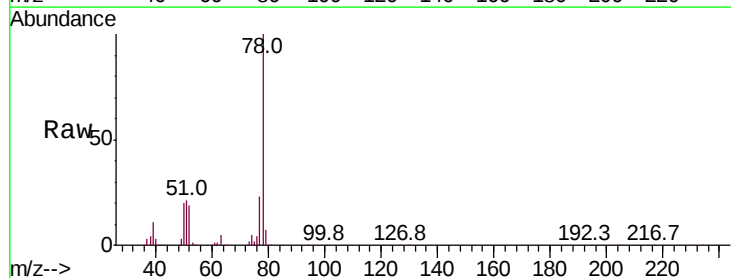


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

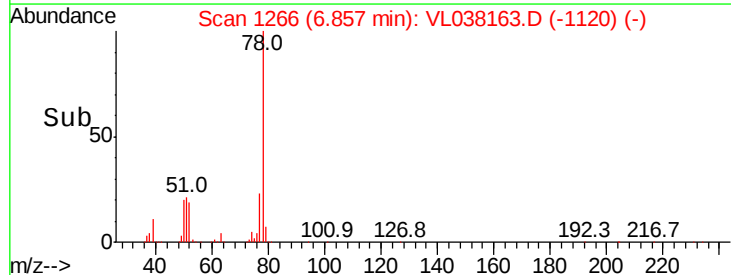
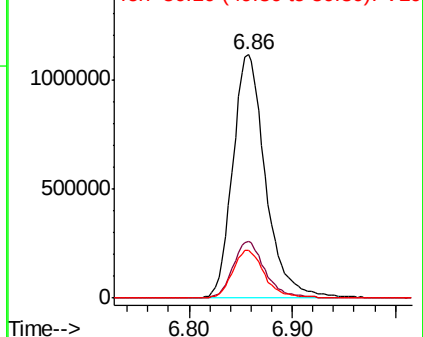


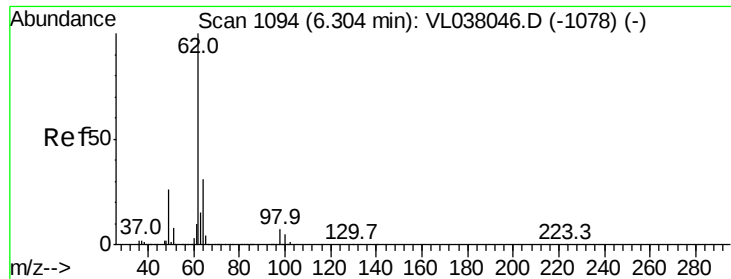
#36
Benzene
Concen: 8.414 ppbv
RT: 6.86 min Scan# 1266
Delta R.T. -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 78 Resp: 2457154
Ion Ratio Lower Upper
78 100
77 23.2 18.2 27.4
50 19.7 14.7 22.1



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





#37

1,2-Dichloroethane

Concen: 9.797 ppbv

RT: 6.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

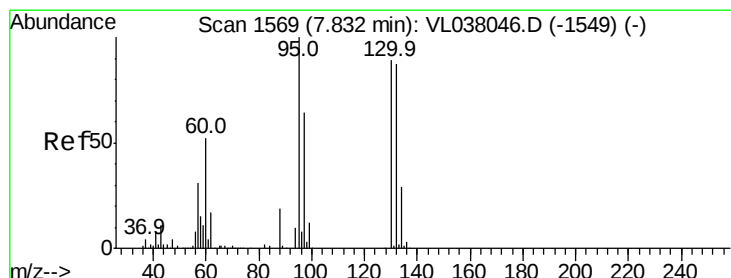
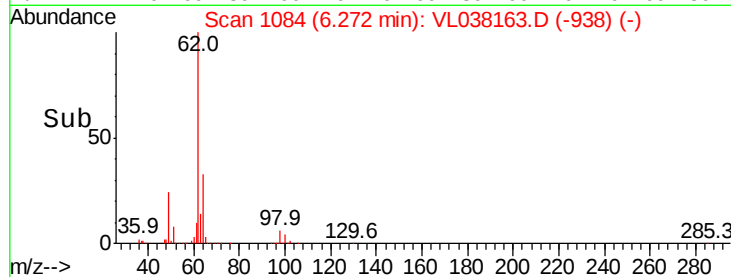
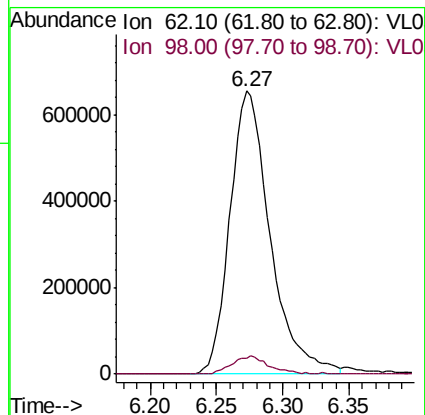
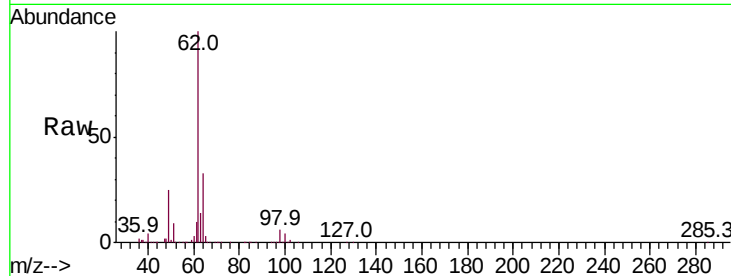
Acq: 14 Dec 2021 12:51

Tot Ion: 62 Resp: 1381738

Ion Ratio Lower Upper

62 100

98 6.3 5.8 8.6



#38

Trichloroethene

Concen: 8.004 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.03 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion: 130 Resp: 881648

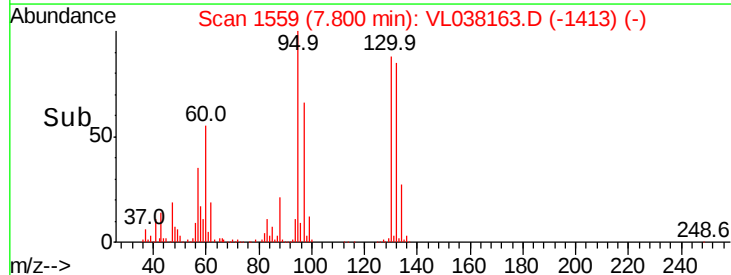
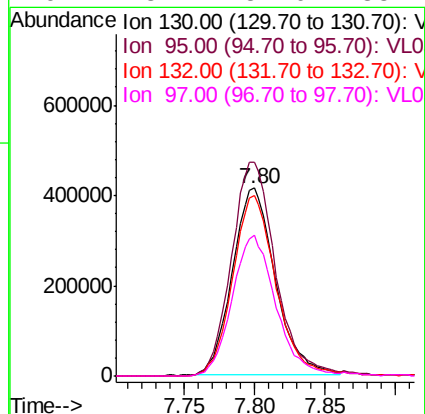
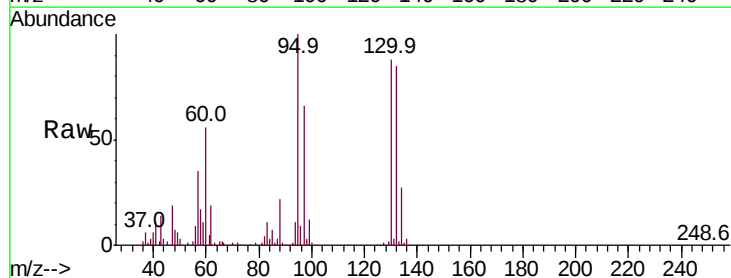
Ion Ratio Lower Upper

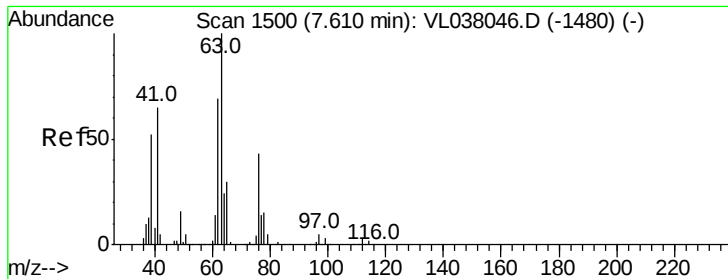
130 100

95 114.1 89.4 134.2

132 96.7 78.2 117.2

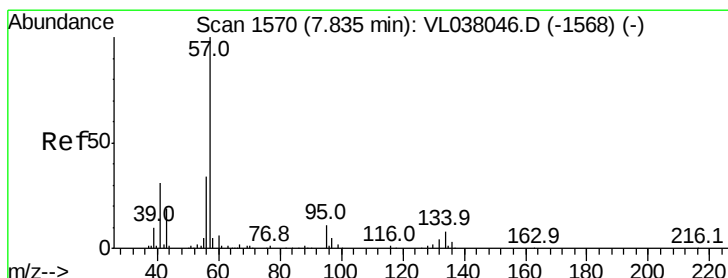
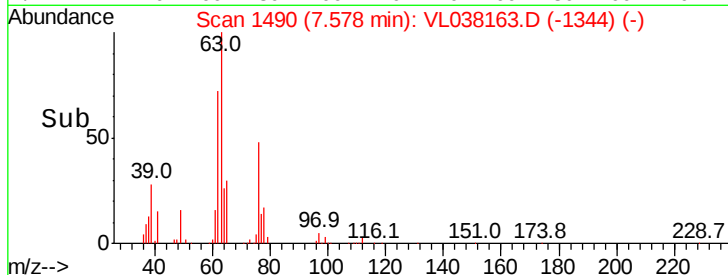
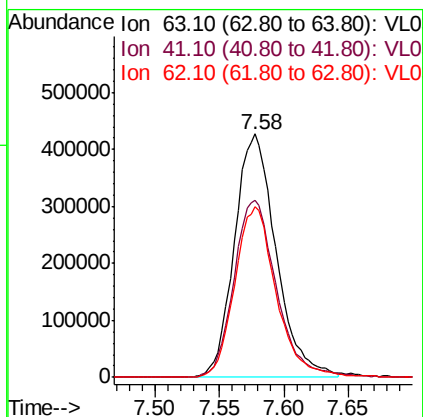
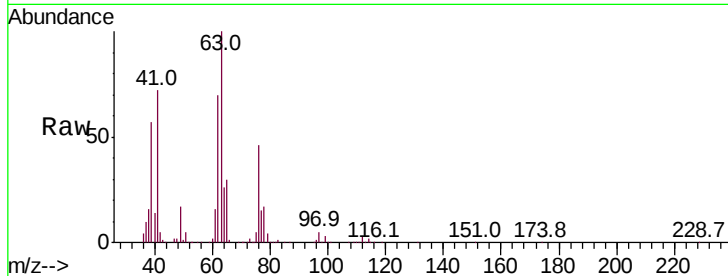
97 75.2 57.0 85.4





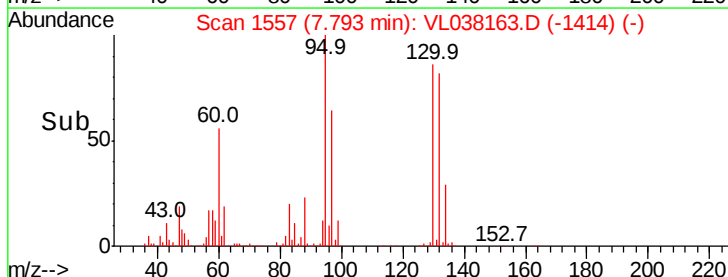
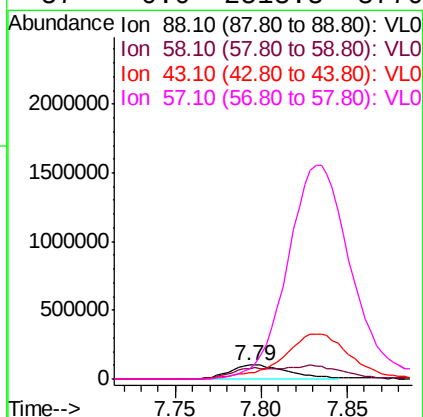
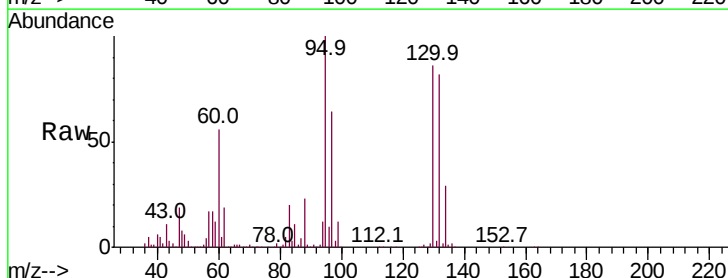
#39
 1,2-Dichloropropane
 Concen: 8.576 ppbv
 RT: 7.58
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Dec 2021 12:51

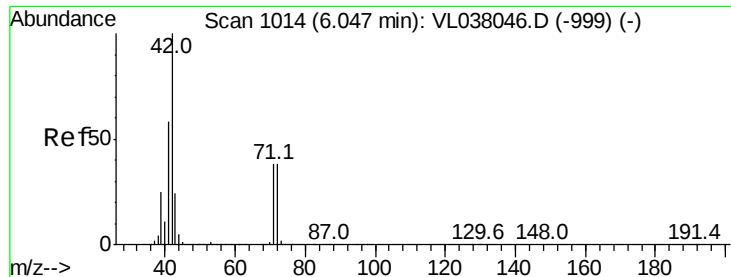
Tot Ion: 63 Resp: 960613
 Ion Ratio Lower Upper
 63 100
 41 72.2 52.3 78.5
 62 70.1 55.1 82.7



#40
 1,4-Dioxane
 Concen: 8.311 ppbv
 RT: 7.79 min Scan# 1557
 Delta R.T. -0.04 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

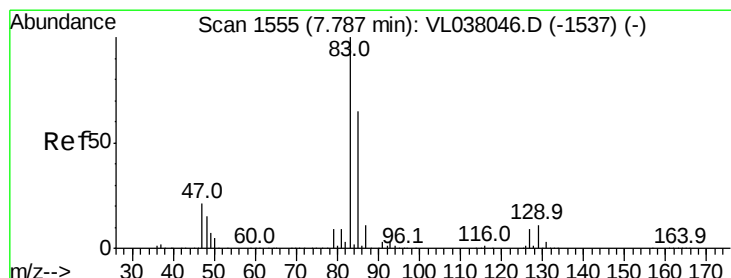
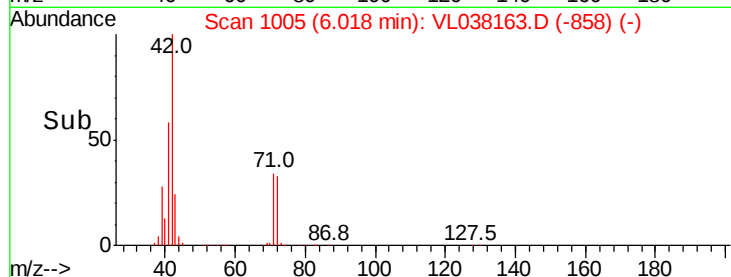
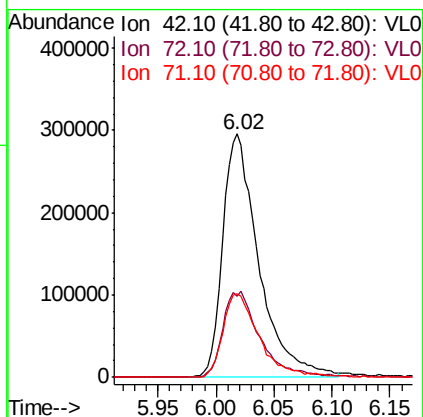
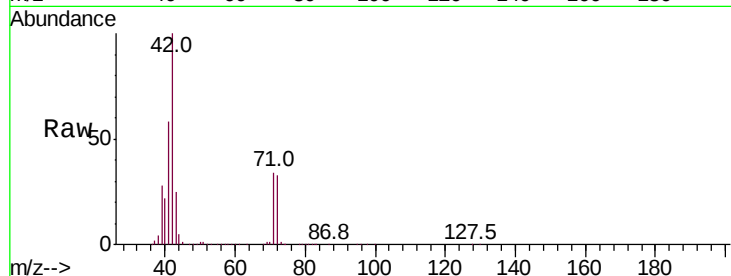
Tgt Ion: 88 Resp: 242540
 Ion Ratio Lower Upper
 88 100
 58 0.0 229.2 343.8#
 43 0.0 553.3 829.9#
 57 0.0 2513.8 3770.8#





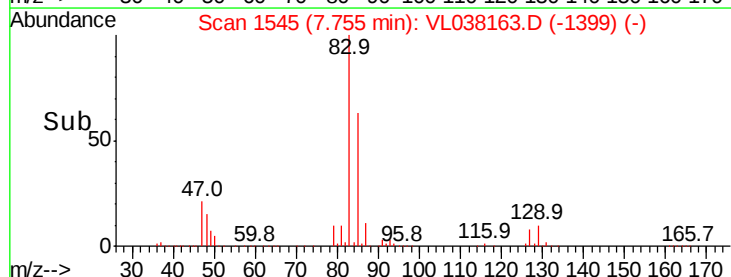
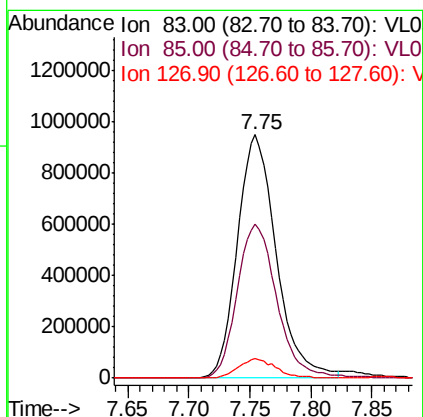
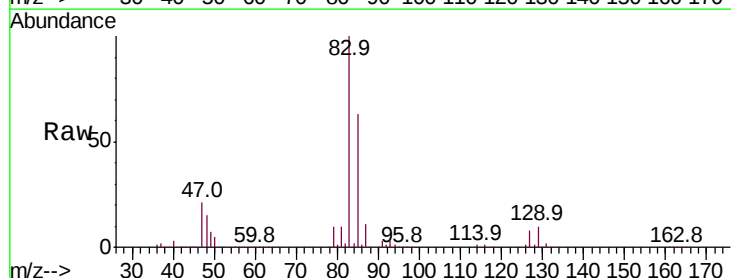
#41
Tetrahydrofuran
Concen: 8.732 ppbv
RT: 6.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 12:51

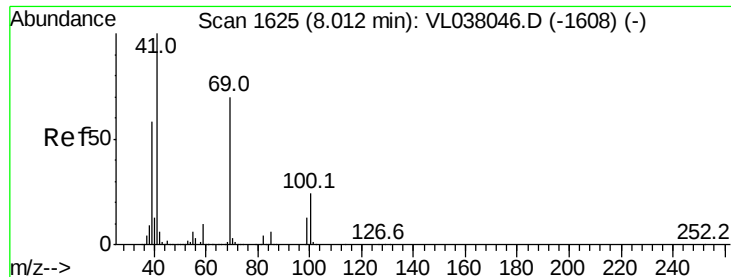
Tot Ion:	42	Resp:	639882
Ion	Ratio	Lower	Upper
42	100		
72	37.3	31.7	47.5
71	35.3	30.6	46.0



#42
Bromodichloromethane
Concen: 9.769 ppbv
RT: 7.75 min Scan# 1545
Delta R.T.: -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

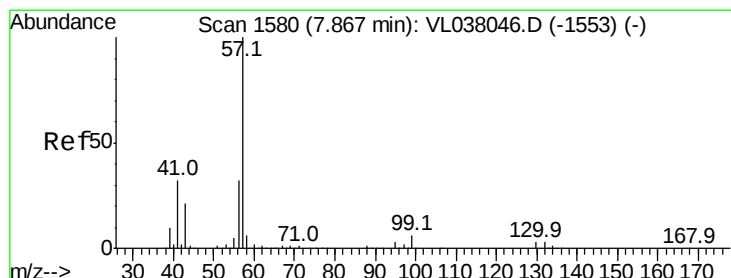
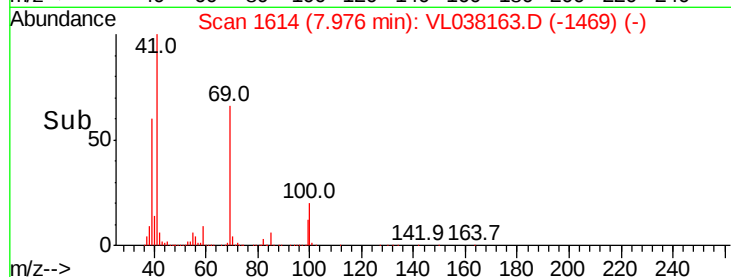
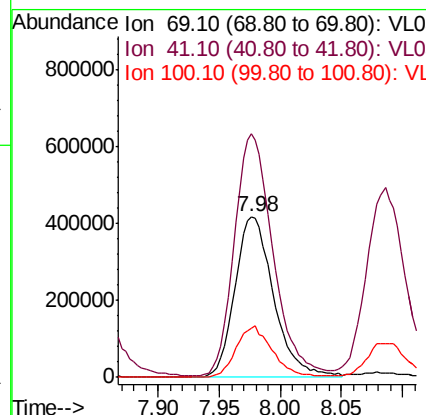
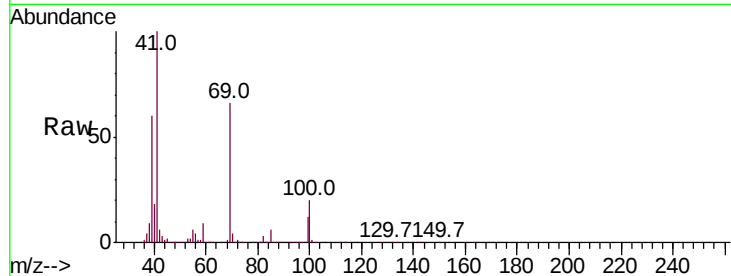
Tgt Ion:	83	Resp:	2094580
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.9	77.9
127	7.9	6.8	10.2





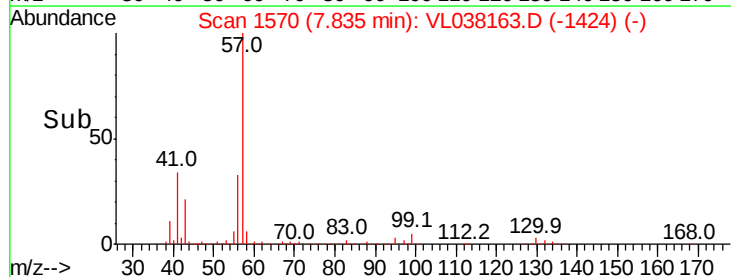
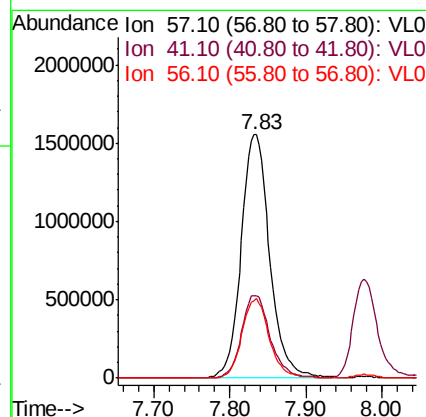
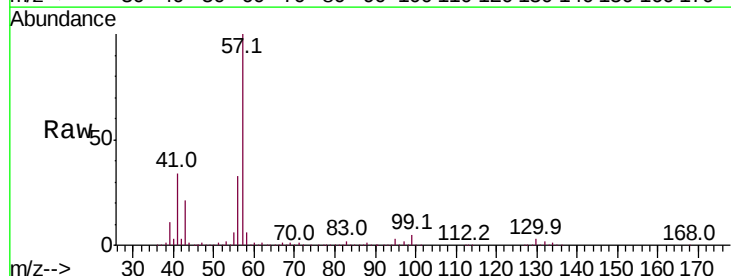
#43
Methyl Methacrylate
Concen: 9.257 ppbv
RT: 7.98
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 12:51

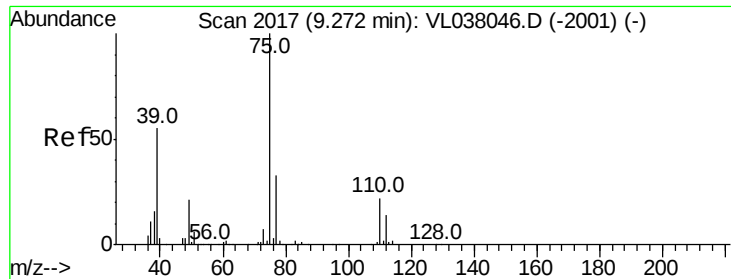
Tot Ion	Ratio	Lower	Upper
69	100		
41	150.7	116.7	175.1
100	30.0	27.3	40.9



#44
2,2,4-Trimethylpentane
Concen: 8.289 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.03 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

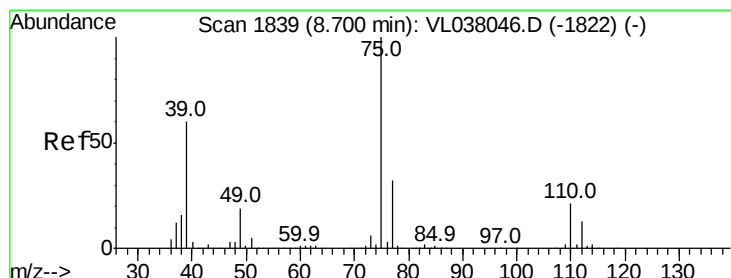
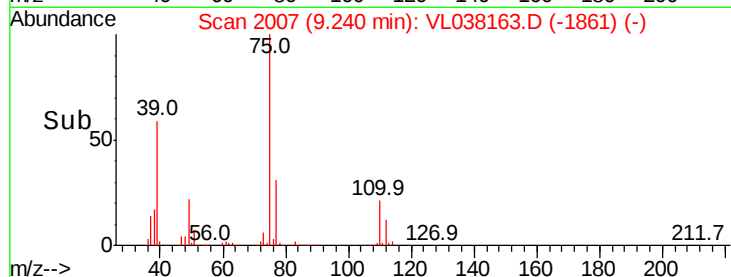
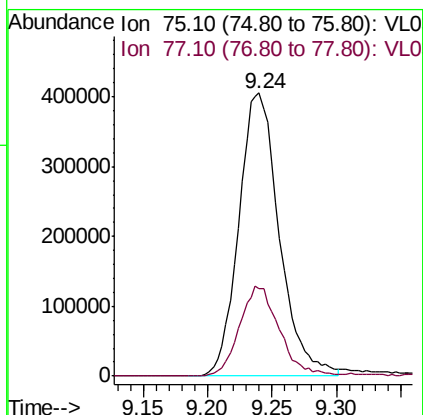
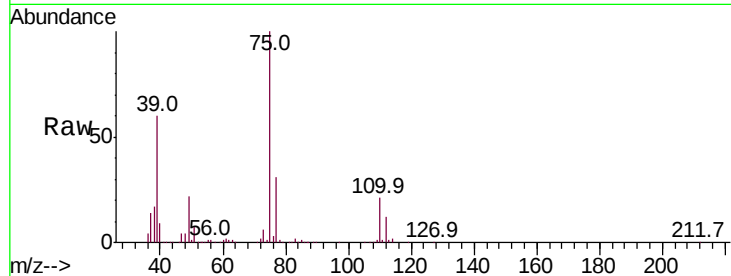
Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.1	25.8	38.6
56	31.5	25.6	38.4





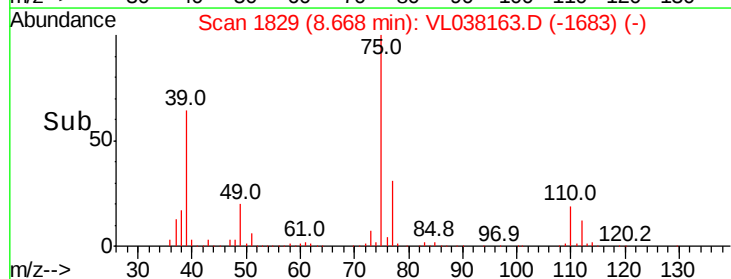
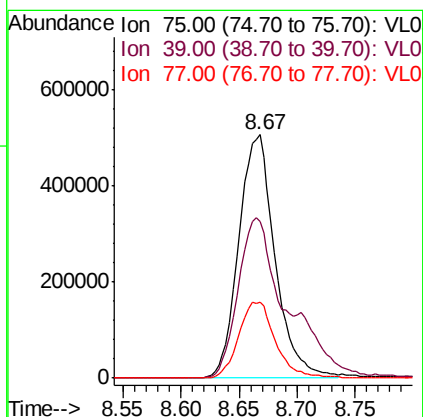
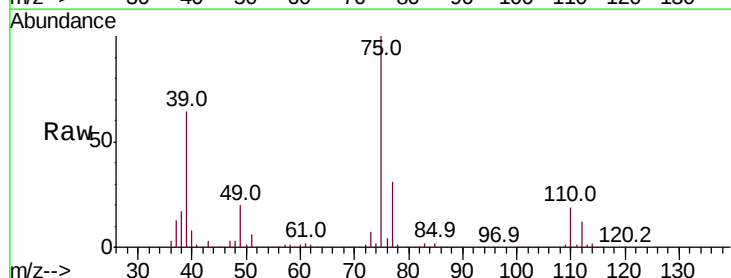
#45
 t-1,3-Dichloropropene
 Concen: 11.019 ppbv
 RT: 9.24
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Dec 2021 12:51

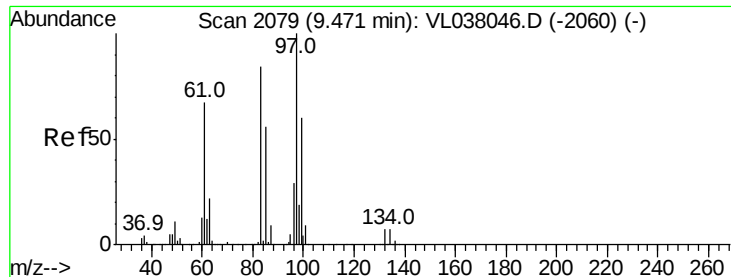
Tot Ion: 75 Resp: 883004
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.2 39.4



#46
 cis-1,3-Dichloropropene
 Concen: 10.140 ppbv
 RT: 8.67 min Scan# 1829
 Delta R.T. -0.03 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion: 75 Resp: 1099033
 Ion Ratio Lower Upper
 75 100
 39 64.3 47.8 71.8
 77 31.2 25.5 38.3





#47

1,1,2-Trichloroethane

Concen: 8.437 ppbv

RT: 9.44 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 12:51

Tot Ion: 97 Resp: 989762

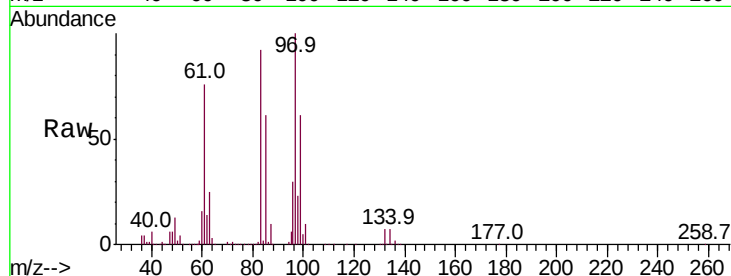
Ion Ratio Lower Upper

97 100

83 91.7 66.8 100.2

85 60.7 44.9 67.3

99 60.9 48.0 72.0

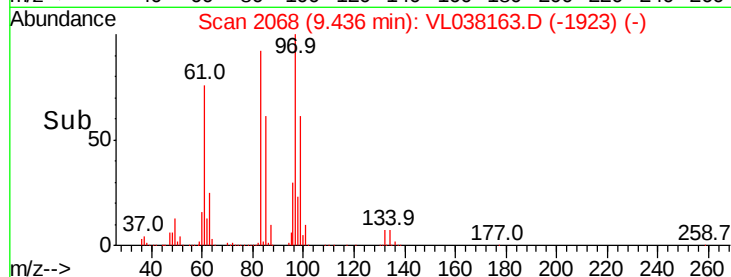
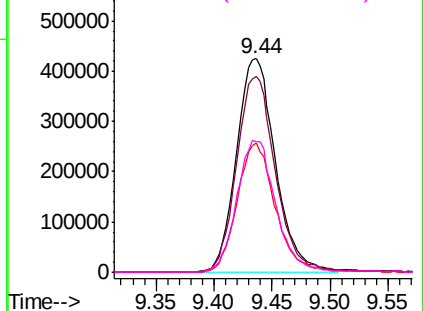


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.845 ppbv

RT: 10.26 min Scan# 2325

Delta R.T. -0.04 min

Lab File: VL038163.D

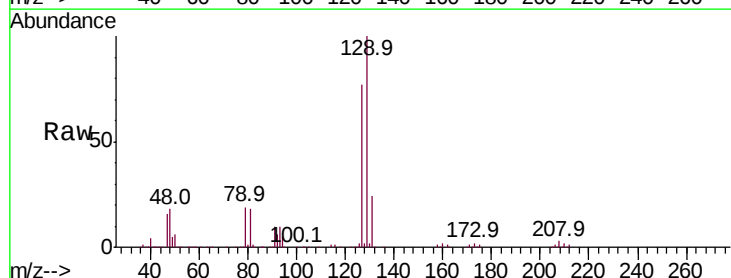
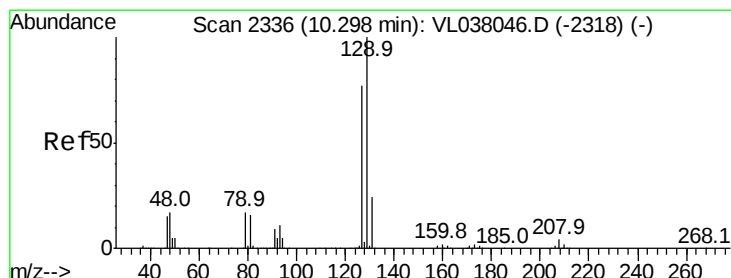
Acq: 14 Dec 2021 12:51

Tgt Ion: 129 Resp: 1758921

Ion Ratio Lower Upper

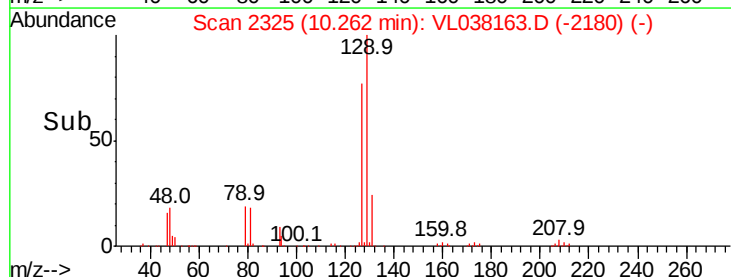
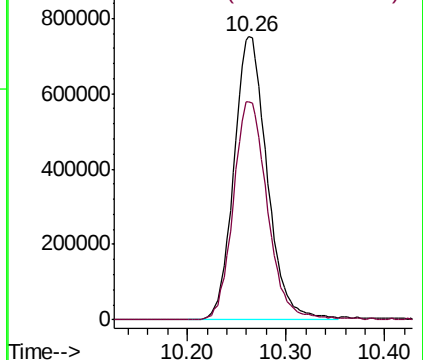
129 100

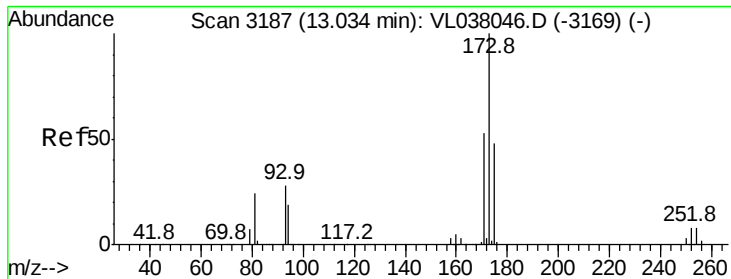
127 79.9 39.4 118.1



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.709 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Dec 2021 12:51

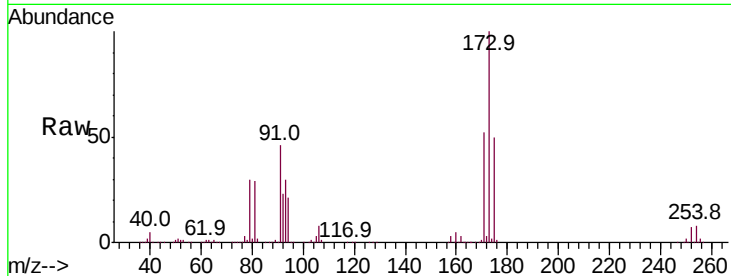
Tot Ion: 173 Resp: 1368773

Ion Ratio Lower Upper

173 100

175 51.5 42.5 63.7

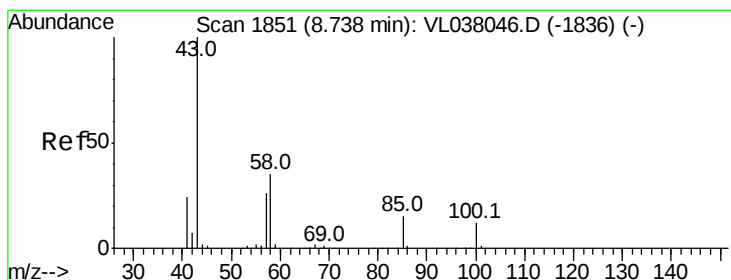
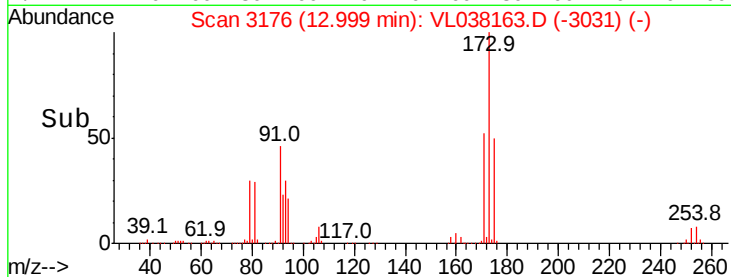
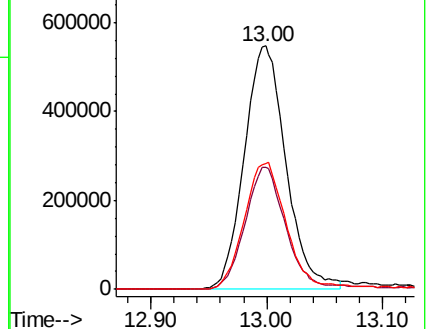
171 53.1 44.0 66.0



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: 9.811 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VL038163.D

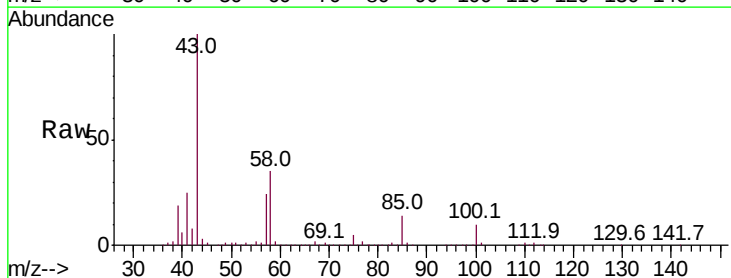
Acq: 14 Dec 2021 12:51

Tgt Ion: 43 Resp: 1758706

Ion Ratio Lower Upper

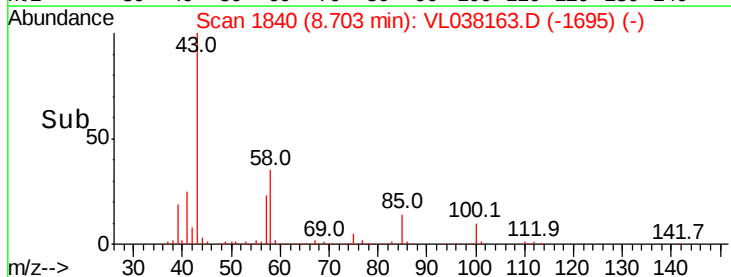
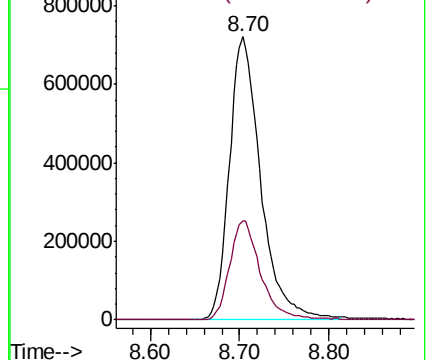
43 100

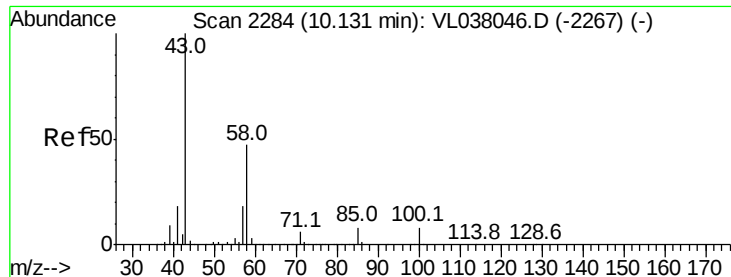
58 34.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.083 ppbv

RT: 10.10

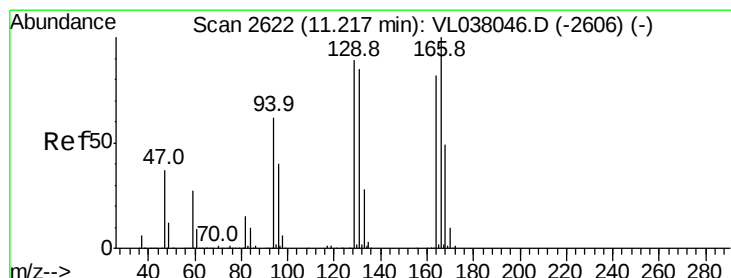
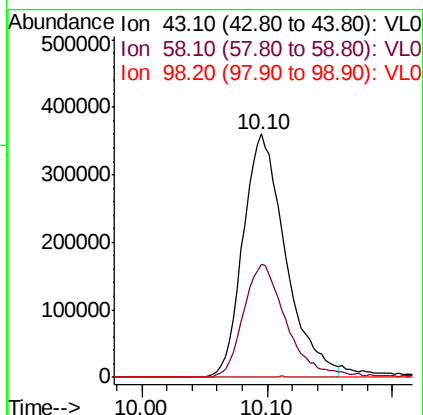
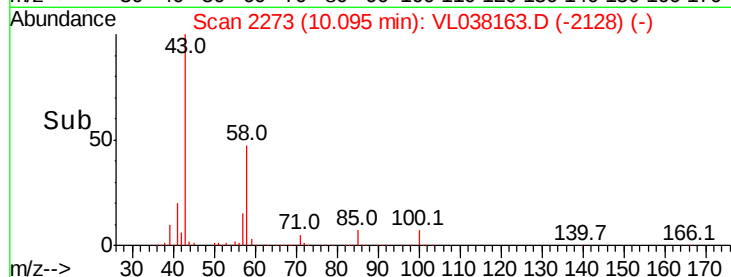
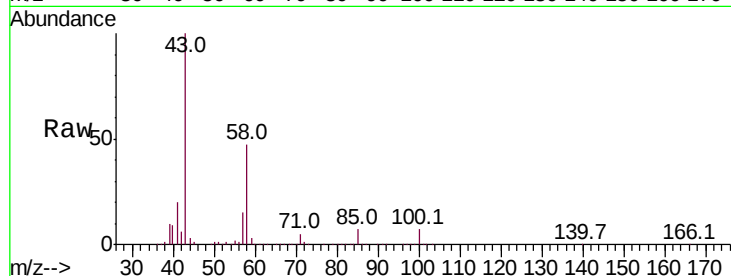
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Dec 2021 12:51

Tot Ion: 43 Resp: 850412

Ion	Ratio	Lower	Upper
43	100		
58	48.0	41.1	61.7
98	0.4	0.1	0.1#



#52

Tetrachloroethene

Concen: 7.409 ppbv

RT: 11.18 min Scan# 2611

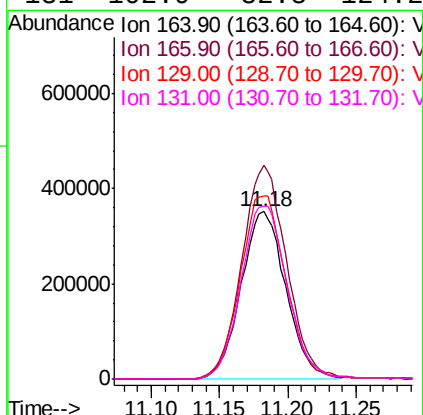
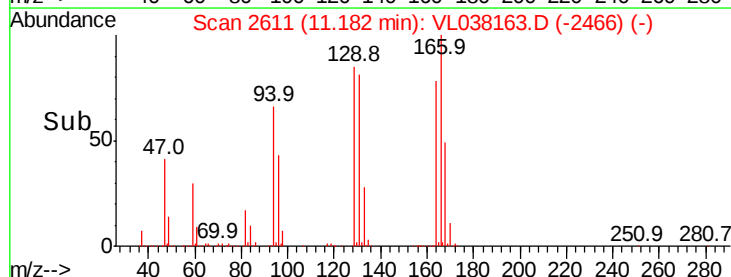
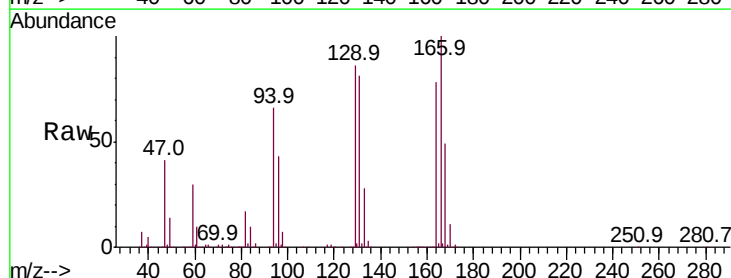
Delta R.T. -0.04 min

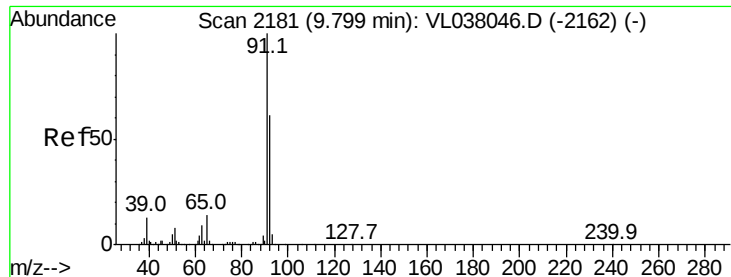
Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion: 164 Resp: 800498

Ion	Ratio	Lower	Upper
164	100		
166	127.4	97.2	145.8
129	108.7	86.9	130.3
131	102.9	82.8	124.2





#53

Toluene

Concen: 8.225 ppbv

RT: 9.77

Delta R.T. MSVOA_L

Lab File:

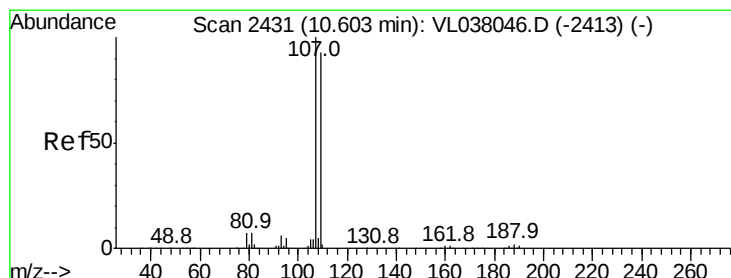
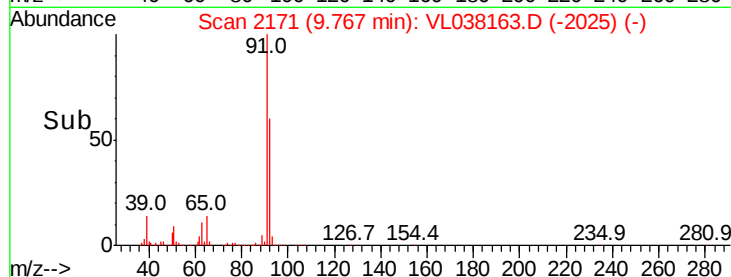
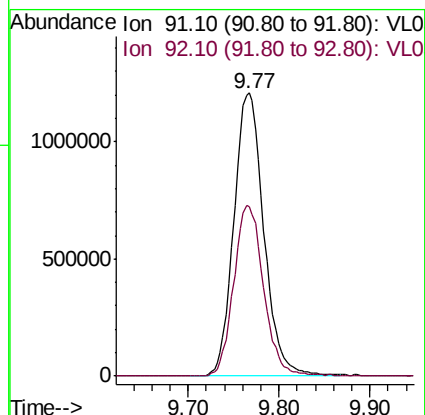
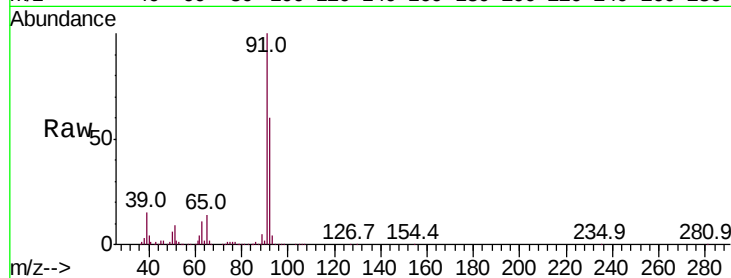
Acq: 14 Dec 2021 12:51

Tot Ion: 91 Resp: 2763397

Ion Ratio Lower Upper

91 100

92 60.4 49.7 74.5



#54

1,2-Dibromoethane

Concen: 8.756 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.03 min

Lab File: VL038163.D

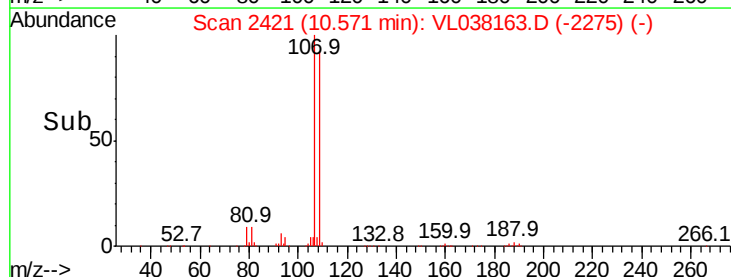
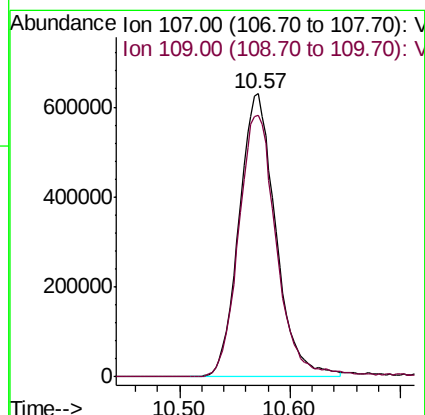
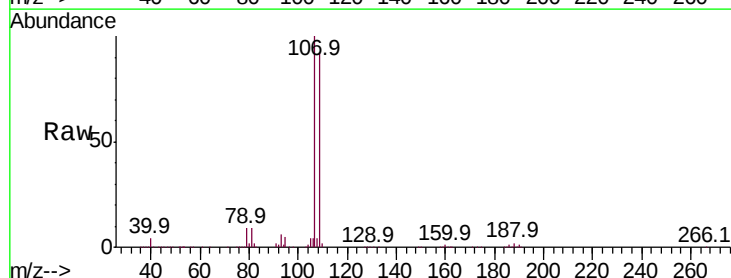
Acq: 14 Dec 2021 12:51

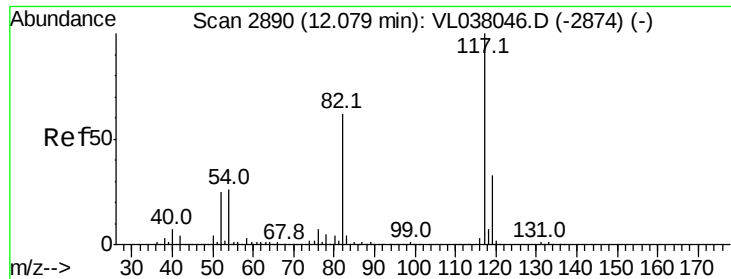
Tgt Ion: 107 Resp: 1451021

Ion Ratio Lower Upper

107 100

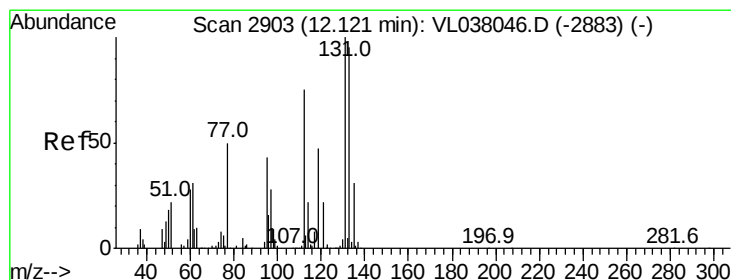
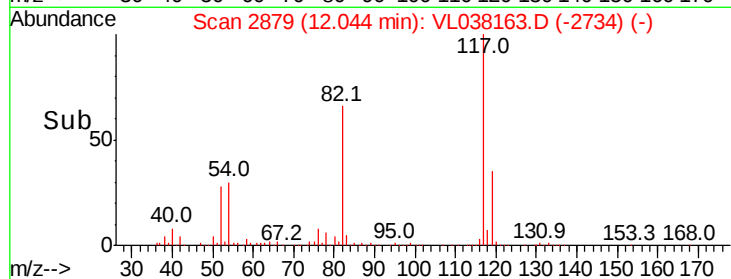
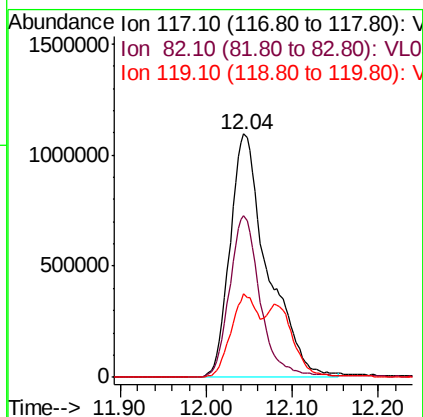
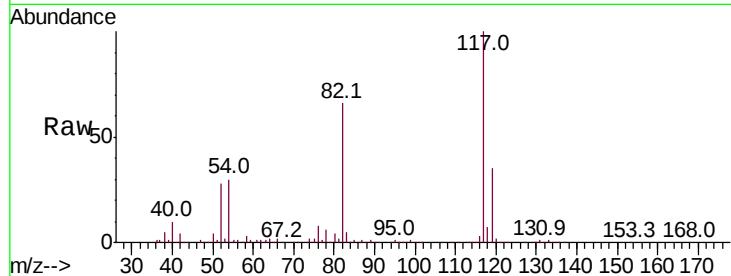
109 92.3 74.6 111.8





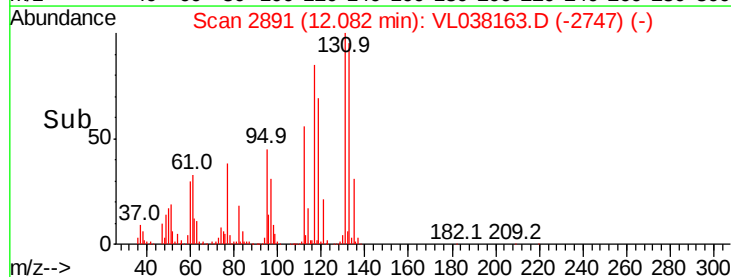
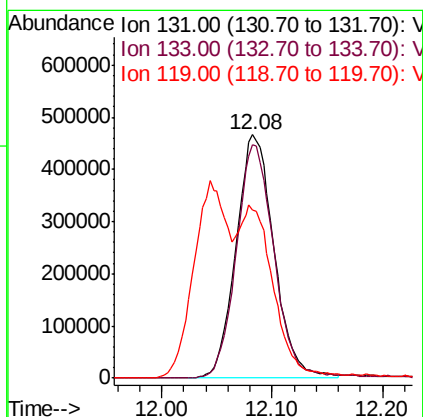
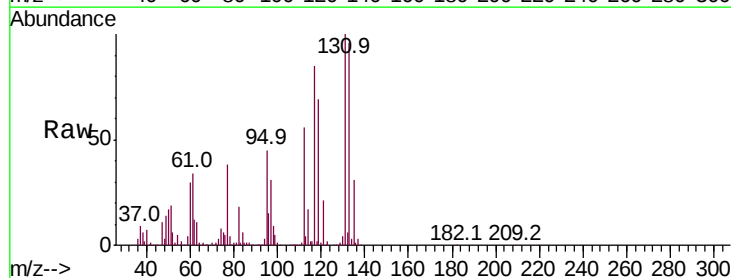
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 12:51

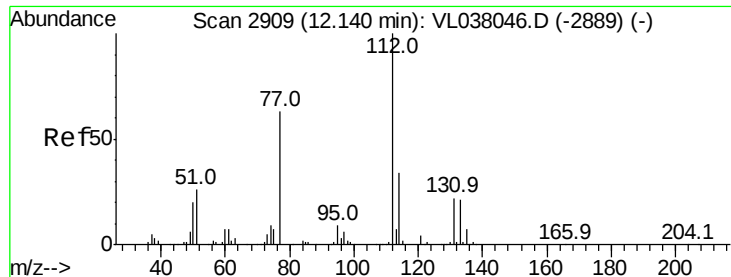
Tot Ion:117 Resp: 3323635
Ion Ratio Lower Upper
117 100
82 55.0 52.8 79.2
119 25.6 26.8 40.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.346 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.04 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

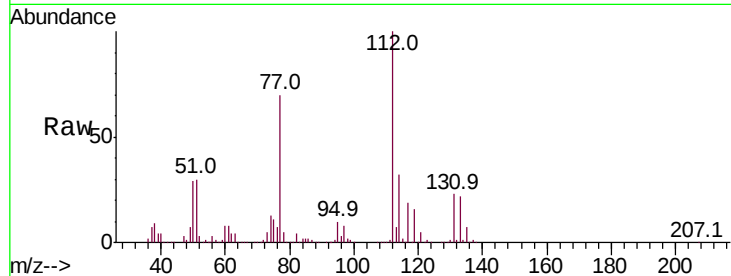
Tgt Ion:131 Resp: 1108357
Ion Ratio Lower Upper
131 100
133 97.7 78.8 118.2
119 57.4 56.3 84.5



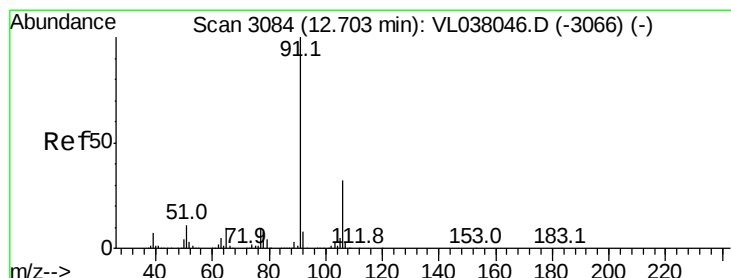
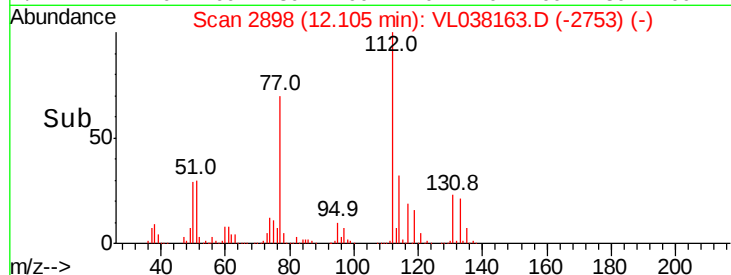
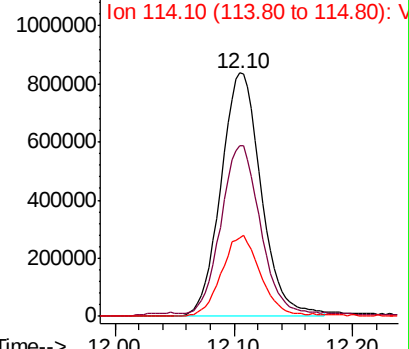


#57
Chlorobenzene
Concen: 6.602 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 12:51

Tot Ion: 112 Resp: 1966644
Ion Ratio Lower Upper
112 100
77 68.9 50.3 75.5
114 32.2 30.7 37.5

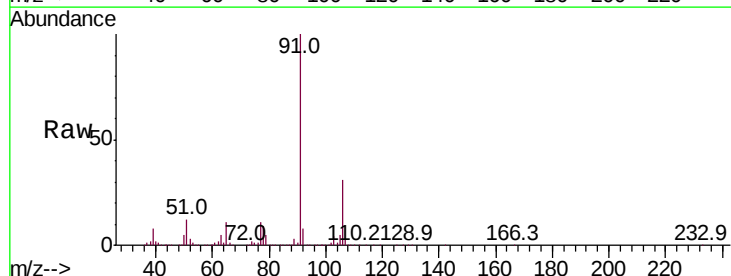


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

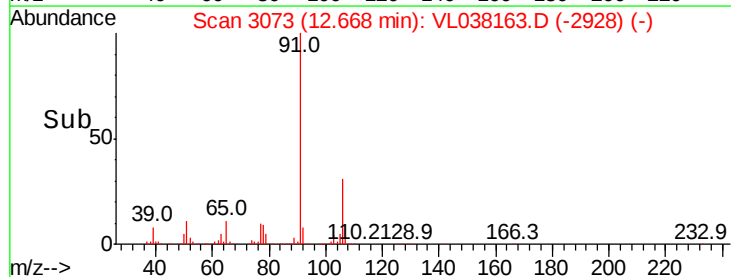
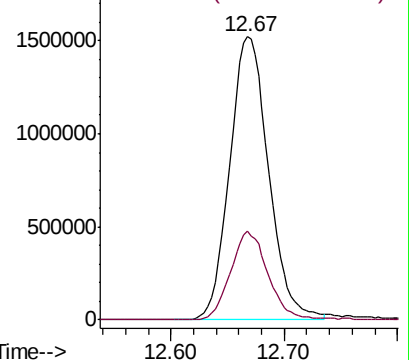


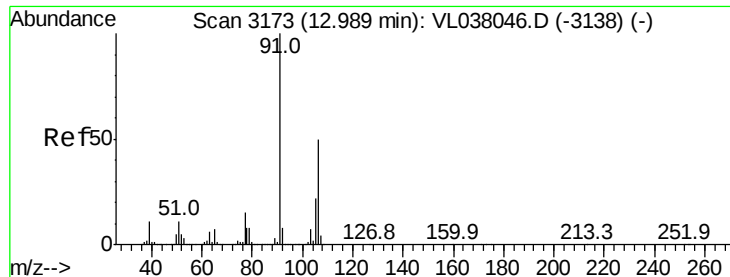
#58
Ethyl Benzene
Concen: 6.635 ppbv
RT: 12.67 min Scan# 3073
Delta R.T. -0.04 min
Lab File: VL038163.D
Acq: 14 Dec 2021 12:51

Tgt Ion: 91 Resp: 3644943
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.6



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





#59

m/p-Xylene

Concen: 7.285 ppbv

RT: 12.95

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

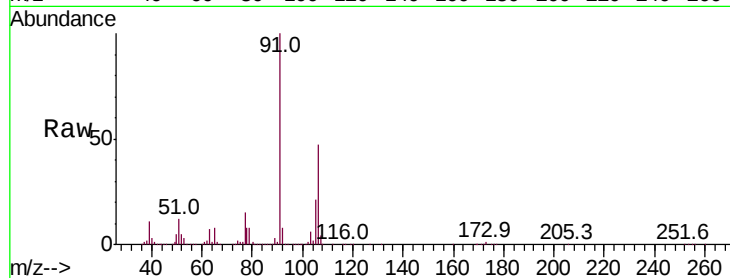
Acq: 14 Dec 2021 12:51

Tot Ion: 91 Resp: 3368693

Ion Ratio Lower Upper

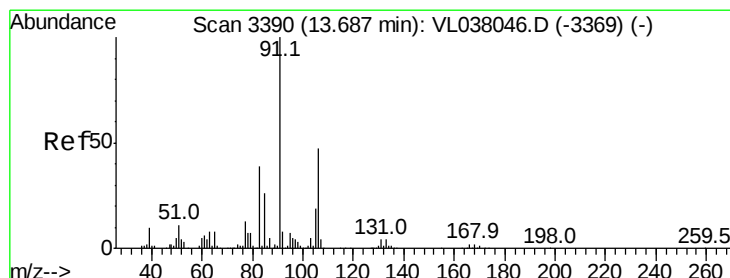
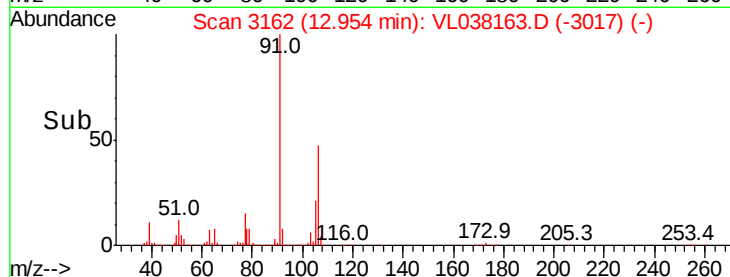
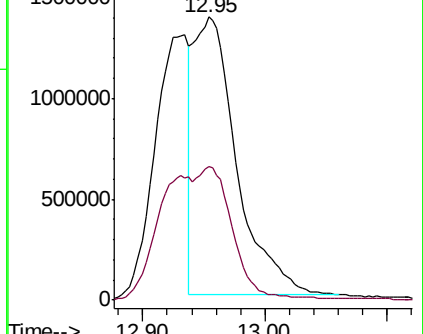
91 100

106 79.5 38.1 57.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 6.616 ppbv

RT: 13.65 min Scan# 3379

Delta R.T. -0.04 min

Lab File: VL038163.D

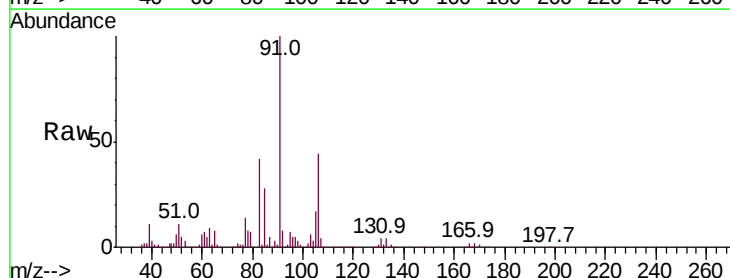
Acq: 14 Dec 2021 12:51

Tgt Ion: 91 Resp: 2838002

Ion Ratio Lower Upper

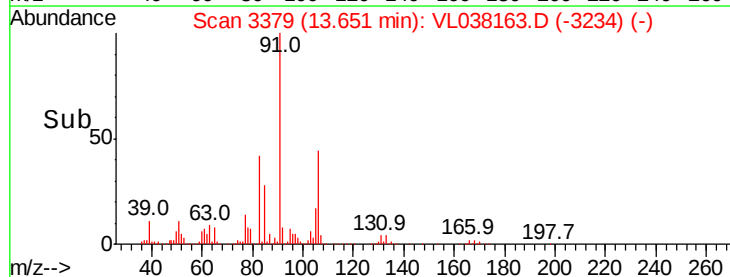
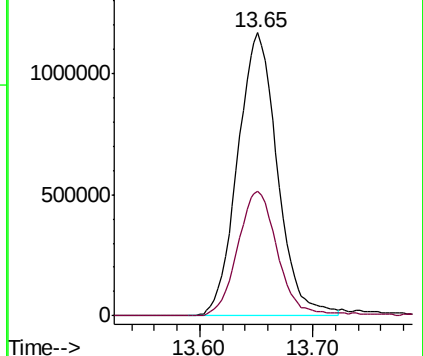
91 100

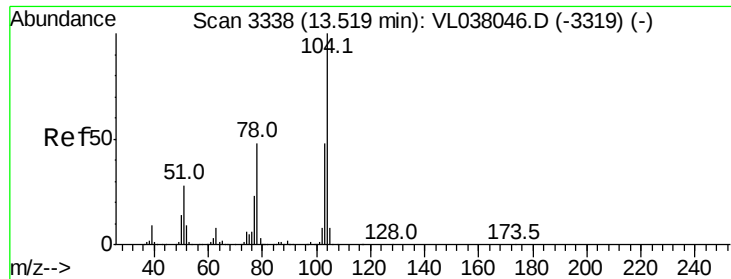
106 45.5 24.2 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 6.720 ppbv

RT: 13.48

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Dec 2021 12:51

Instrument :

ClientSampleId :

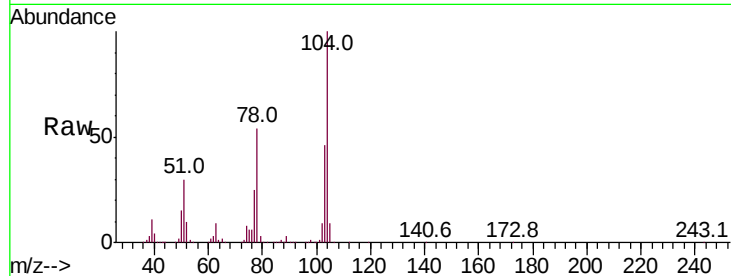
Tot Ion:104 Resp: 1545461

Ion Ratio Lower Upper

104 100

78 55.2 39.8 59.6

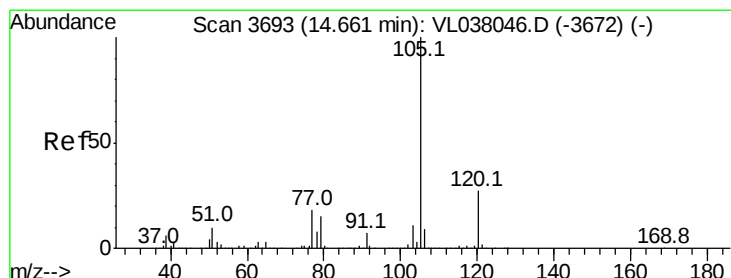
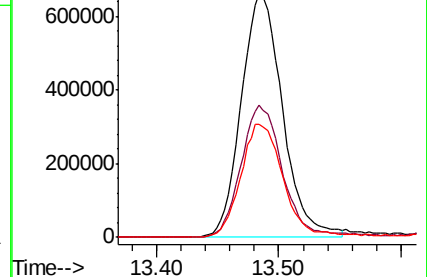
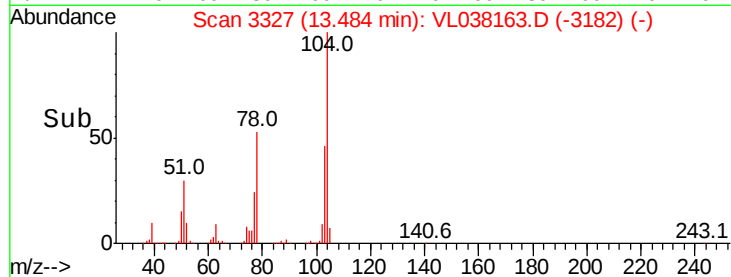
103 48.2 38.2 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 6.418 ppbv

RT: 14.63 min Scan# 3682

Delta R.T. -0.04 min

Lab File: VL038163.D

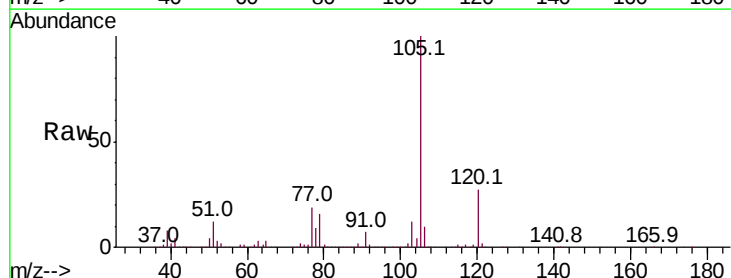
Acq: 14 Dec 2021 12:51

Tgt Ion:105 Resp: 3907965

Ion Ratio Lower Upper

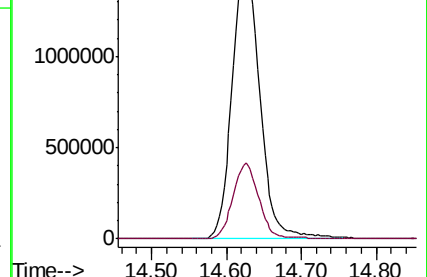
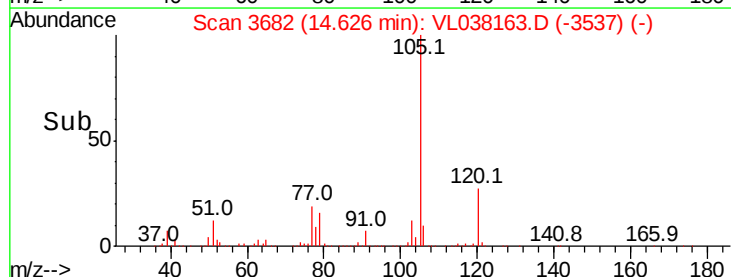
105 100

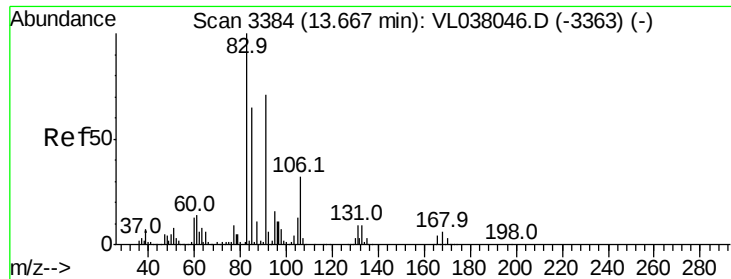
120 25.9 21.8 32.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

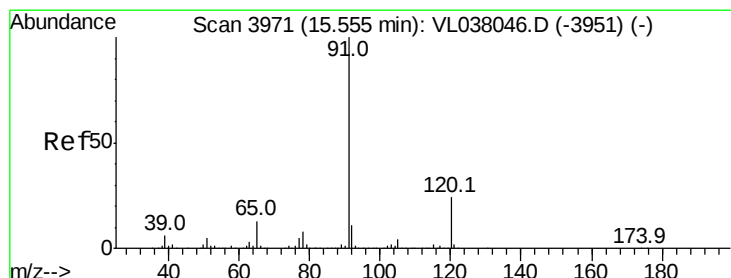
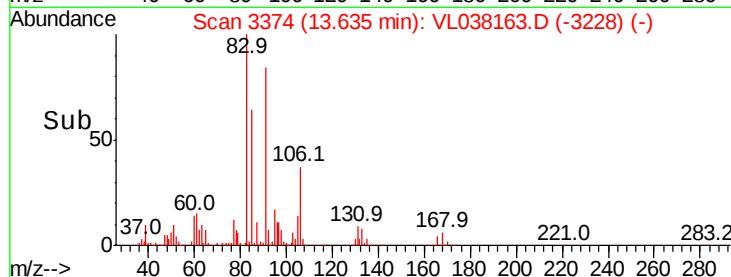
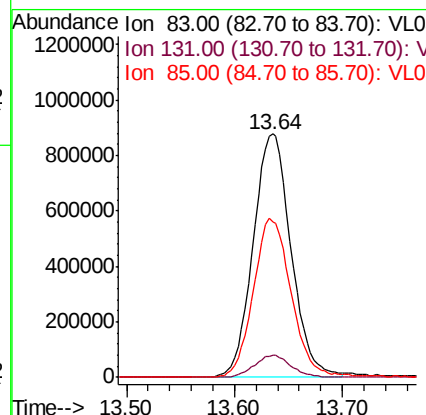
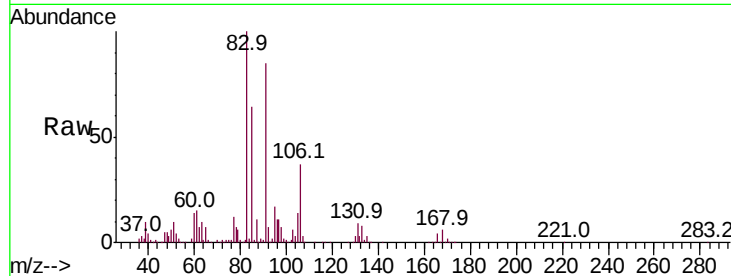




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.698 ppbv
 RT: 13.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Dec 2021 12:51

Tot Ion: 83 Resp: 2134373

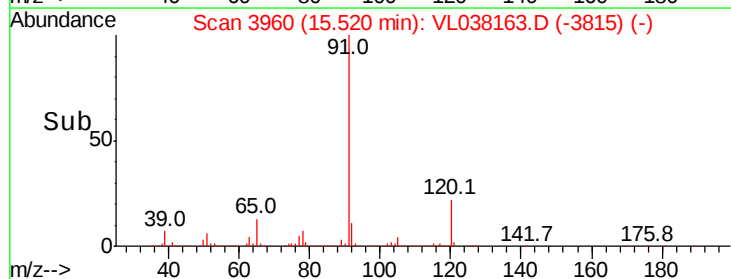
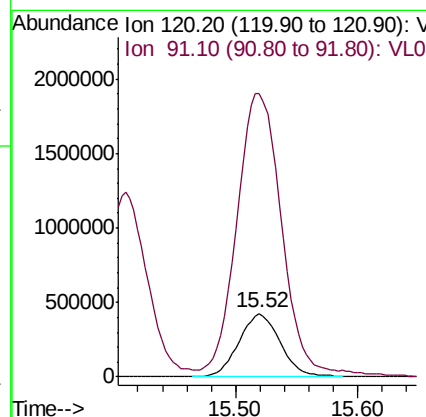
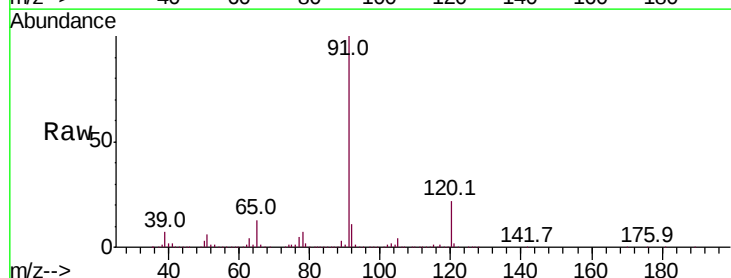
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.9	14.7
85	66.3	33.4	100.1

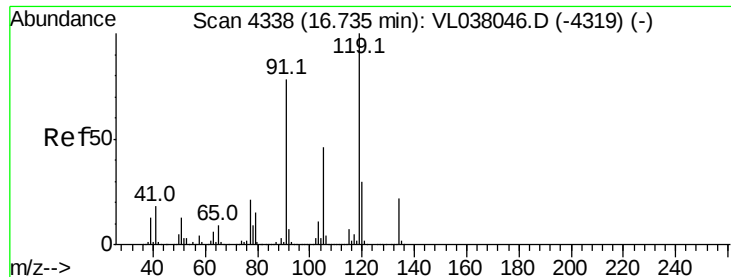


#64
 n-propylbenzene
 Concen: 6.402 ppbv
 RT: 15.52 min Scan# 3960
 Delta R.T. -0.04 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion:120 Resp: 993030

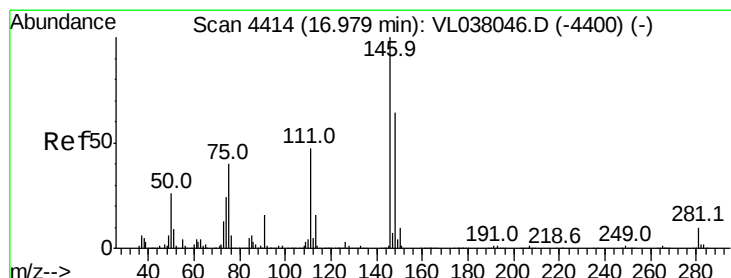
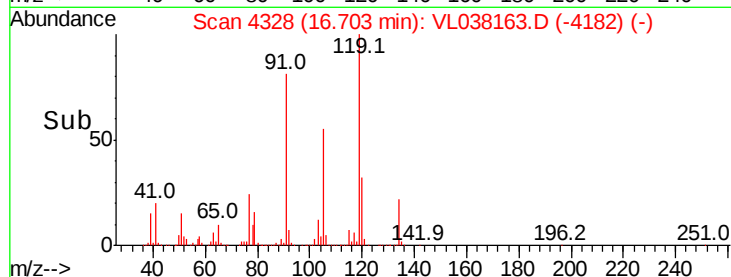
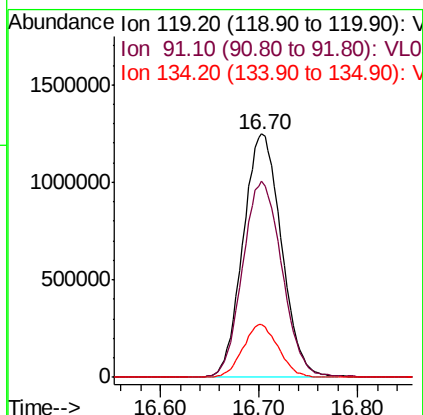
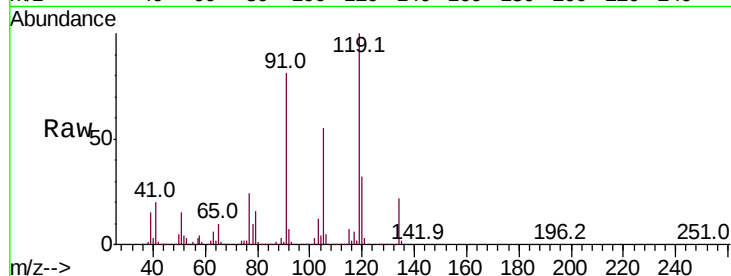
Ion	Ratio	Lower	Upper
120	100		
91	492.3	371.7	557.5





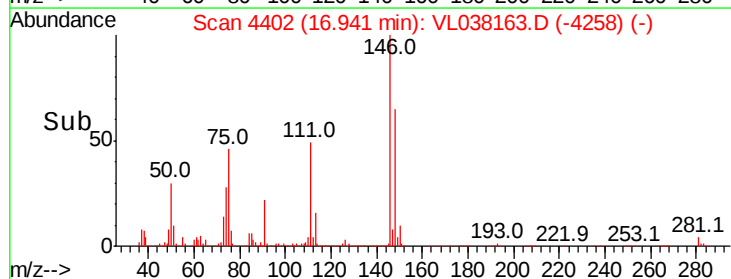
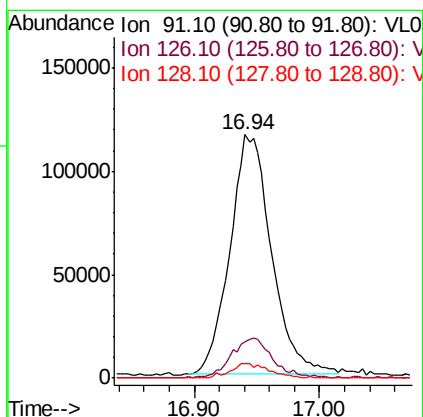
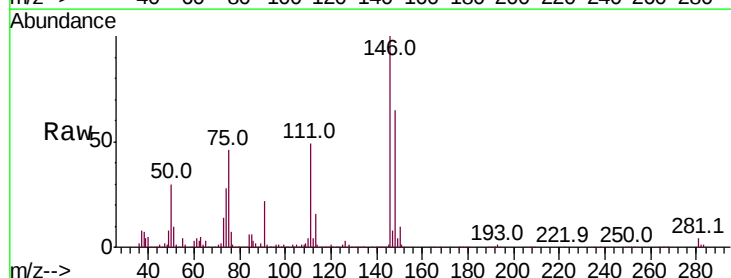
#65
 tert-Butylbenzene
 Concen: 6.260 ppbv
 RT: 16.70 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Dec 2021 12:51

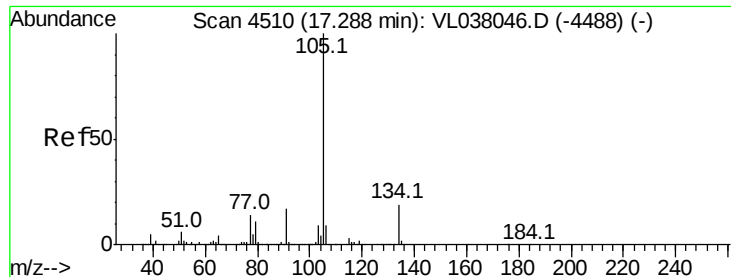
Tot Ion: 119 Resp: 3358470
 Ion Ratio Lower Upper
 119 100
 91 83.0 63.2 94.8
 134 20.1 16.1 24.1



#66
 Benzyl Chloride
 Concen: 9.731 ppbv
 RT: 16.94 min Scan# 4402
 Delta R.T.: -0.04 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion: 91 Resp: 264567
 Ion Ratio Lower Upper
 91 100
 126 17.0 15.5 23.3
 128 5.9 5.6 8.4





#67

sec-Butylbenzene

Concen: 6.322 ppbv

RT: 17.25

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

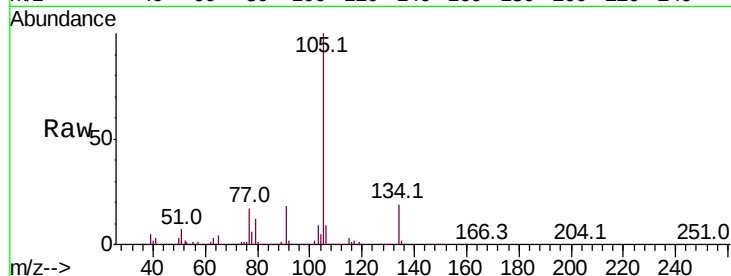
Acq: 14 Dec 2021 12:51

Tot Ion:105 Resp: 4726066

Ion Ratio Lower Upper

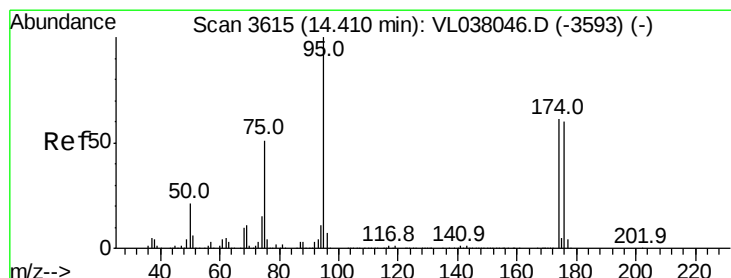
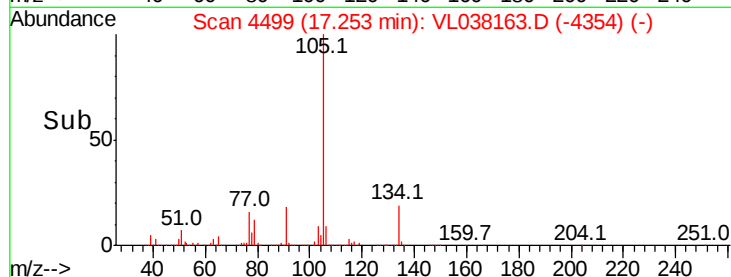
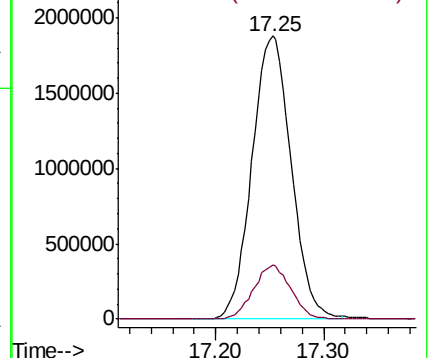
105 100

134 18.4 14.7 22.1



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: 8.707 ppbv

RT: 14.37 min Scan# 3603

Delta R.T. -0.04 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

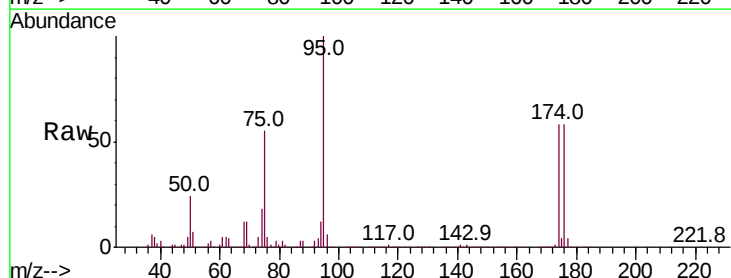
Tgt Ion: 95 Resp: 2087374

Ion Ratio Lower Upper

95 100

174 61.6 53.1 79.7

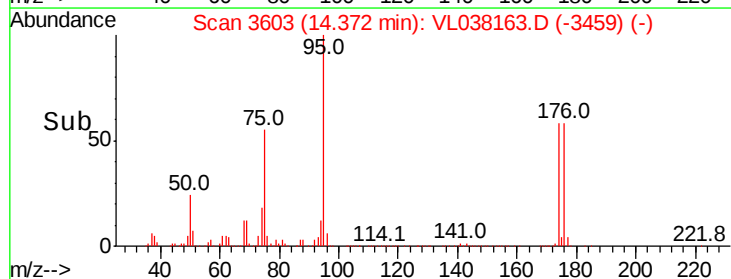
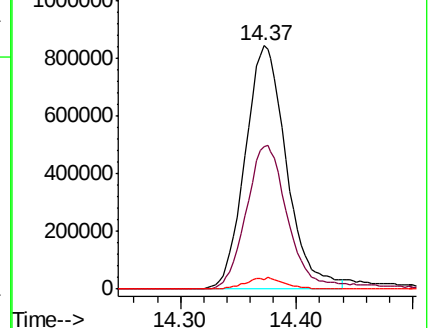
175 4.7 4.0 6.0

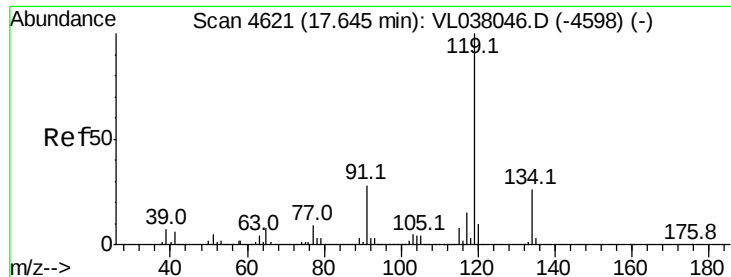


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

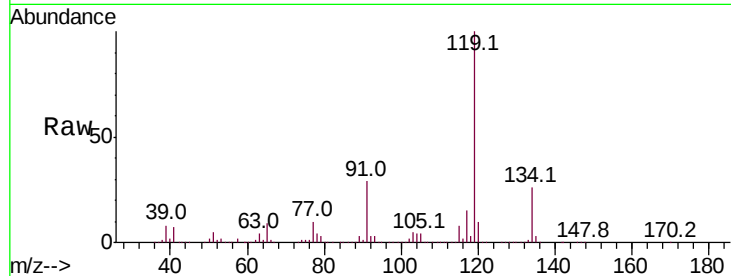
Ion 175.00 (174.70 to 175.70): V



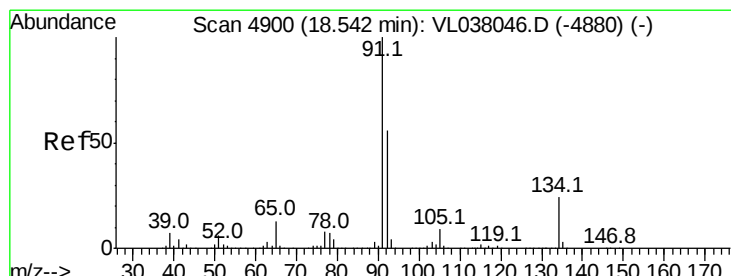
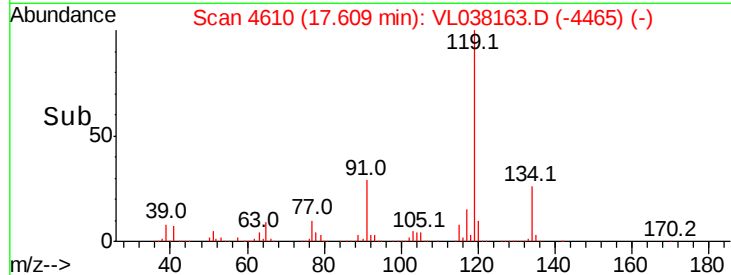
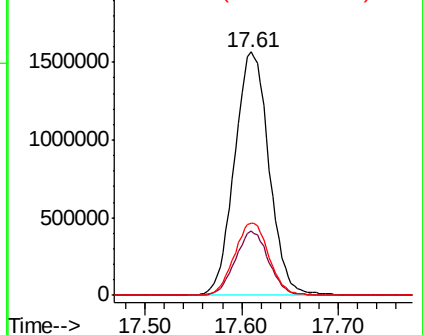


#69
 p-Isopropyltoluene
 Concen: 6.642 ppbv
 RT: 17.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Dec 2021 12:51

Tot Ion:	119	Resp:	3884074
Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	29.8	22.2	33.4

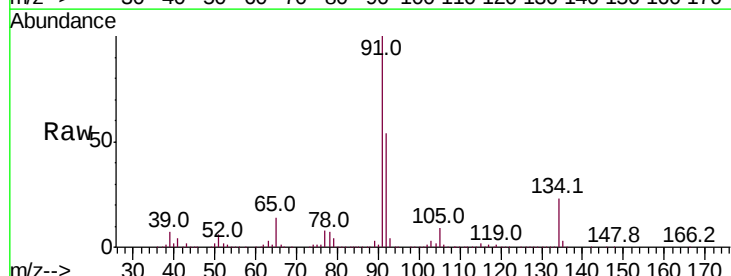


Abundance Ion 119.10 (118.80 to 119.80): VL0
 Ion 134.20 (133.90 to 134.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0

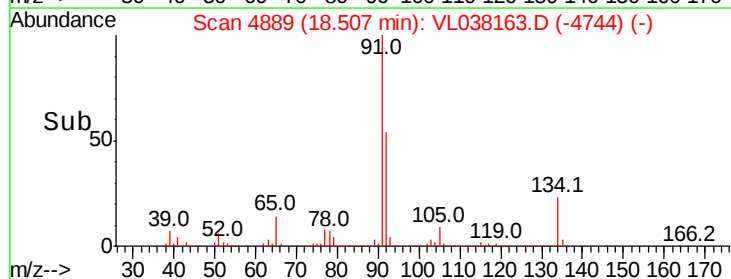
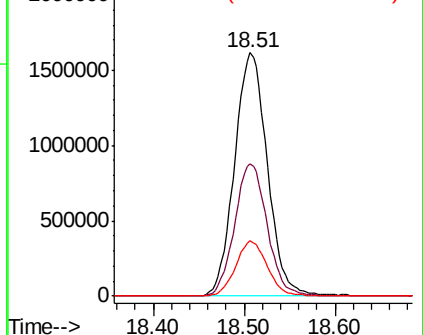


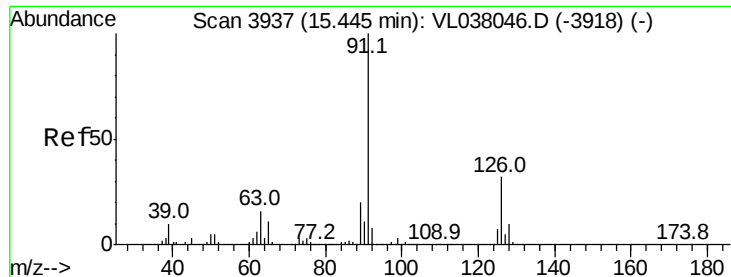
#70
 n-Butylbenzene
 Concen: 7.236 ppbv
 RT: 18.51 min Scan# 4889
 Delta R.T. -0.04 min
 Lab File: VL038163.D
 Acq: 14 Dec 2021 12:51

Tgt Ion:	91	Resp:	4045852
Ion	Ratio	Lower	Upper
91	100		
92	54.2	44.1	66.1
134	22.0	18.9	28.3



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): VL0





#71

2-Chlorotoluene

Concen: 6.735 ppbv

RT: 15.41

Delta R.T. MSVOA_L

Lab File:

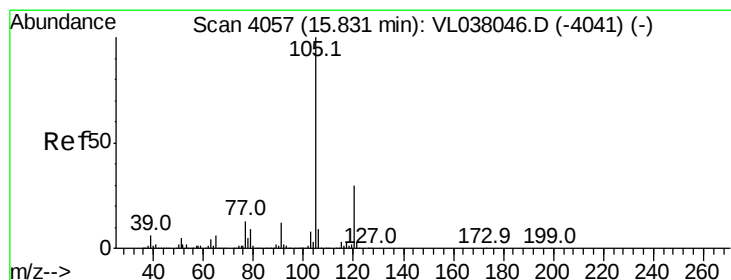
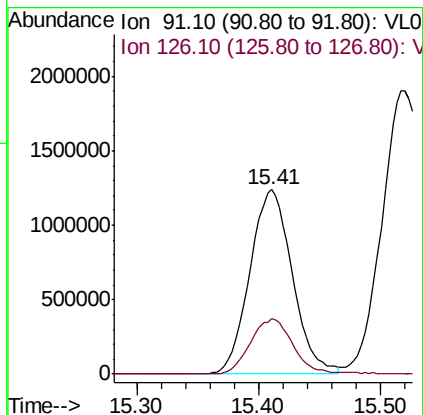
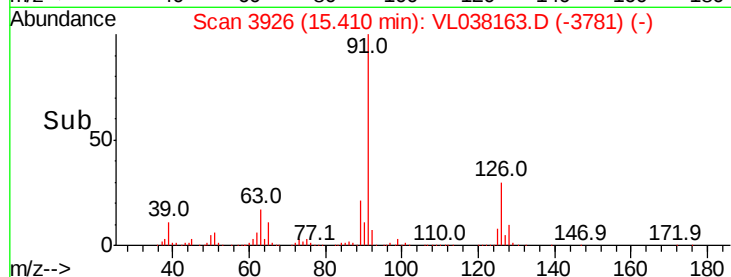
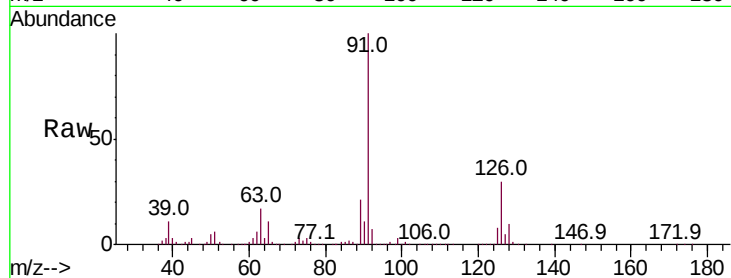
Acq: 14 Dec 2021 12:51

Tot Ion: 91 Resp: 2998390

Ion Ratio Lower Upper

91 100

126 30.9 13.1 52.3



#72

4-Ethyltoluene

Concen: 6.788 ppbv

RT: 15.80 min Scan# 4046

Delta R.T. -0.04 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion:105 Resp: 3376328

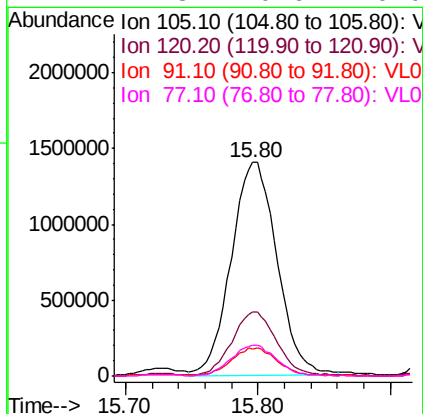
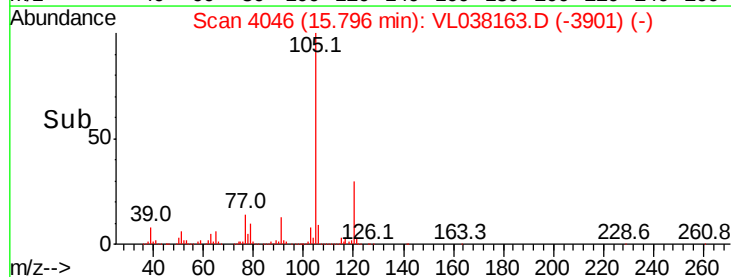
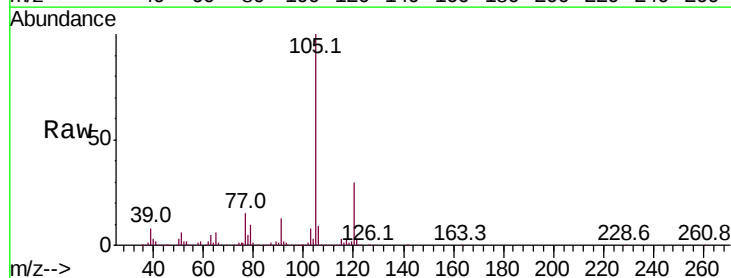
Ion Ratio Lower Upper

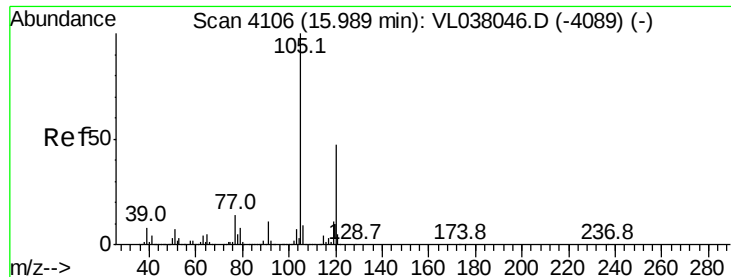
105 100

120 30.0 25.1 37.7

91 13.1 9.7 14.5

77 14.3 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 6.560 ppbv

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

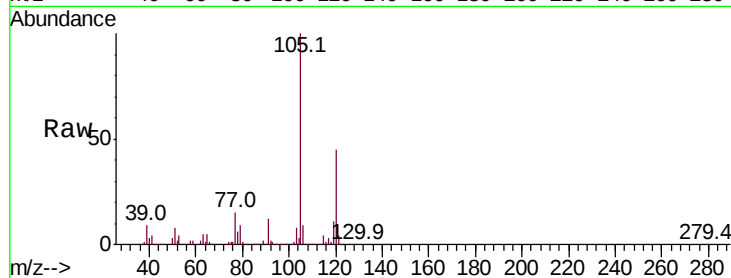
Acq: 14 Dec 2021 12:51

Tot Ion:105 Resp: 2979977

Ion Ratio Lower Upper

105 100

120 45.0 37.8 56.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

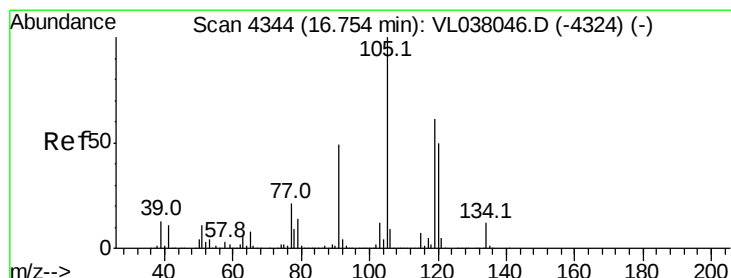
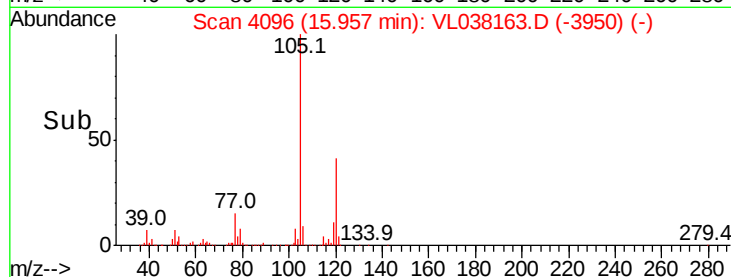
15.96

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.672 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.03 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

Tgt Ion:105 Resp: 3123262

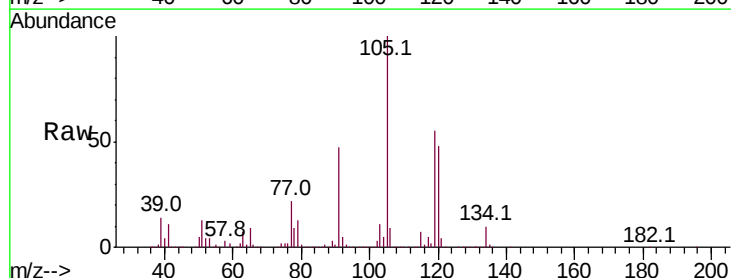
Ion Ratio Lower Upper

105 100

120 47.9 40.1 60.1

91 46.1 39.8 59.8

77 21.8 16.6 25.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

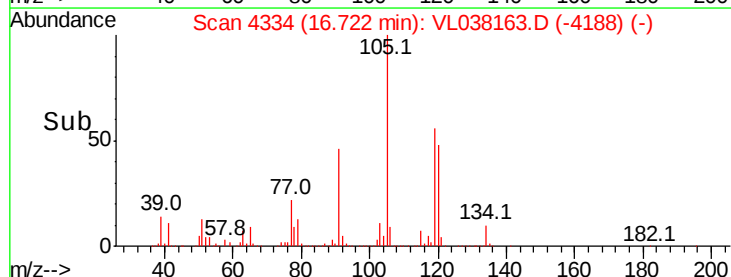
1500000

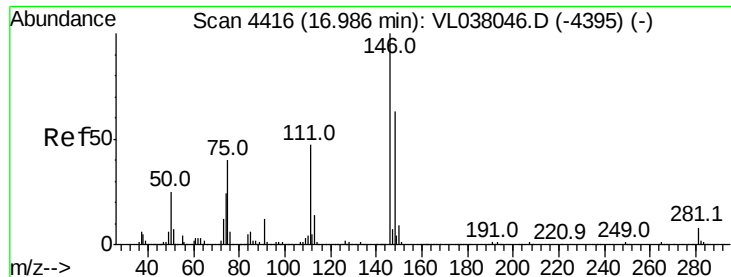
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 6.895 ppbv

RT: 16.95

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Dec 2021 12:51

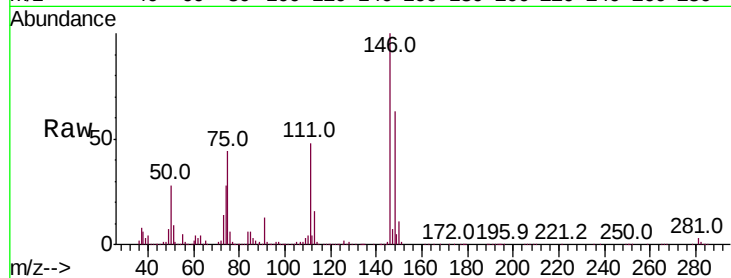
Tot Ion:146 Resp: 1772754

Ion Ratio Lower Upper

146 100

111 48.4 23.5 70.6

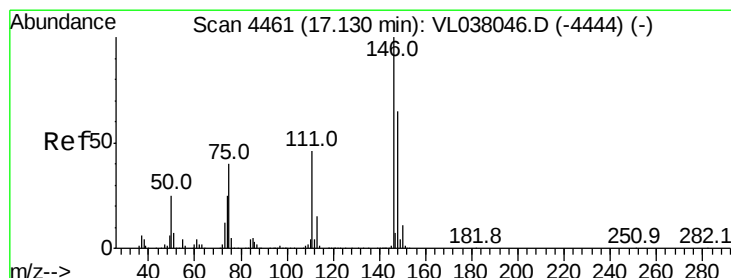
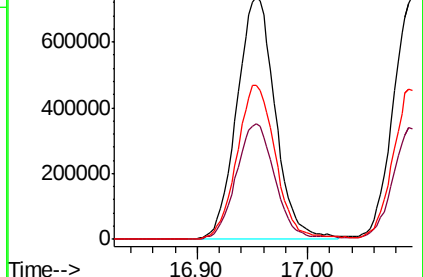
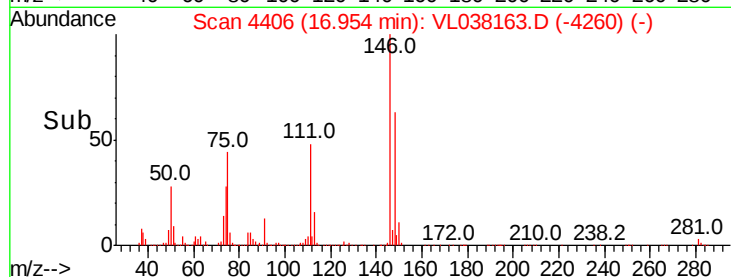
148 64.1 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 6.750 ppbv

RT: 17.10 min Scan# 4450

Delta R.T. -0.04 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

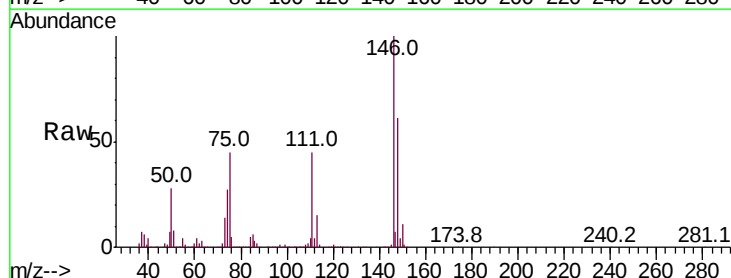
Tgt Ion:146 Resp: 1746457

Ion Ratio Lower Upper

146 100

111 46.7 23.8 71.5

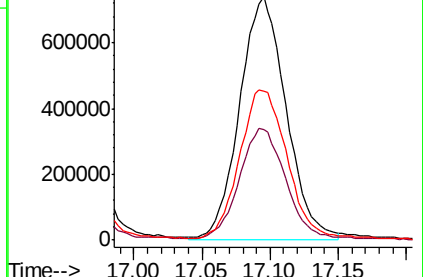
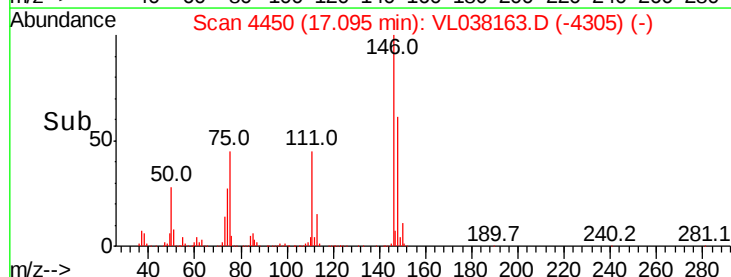
148 64.7 33.2 99.6

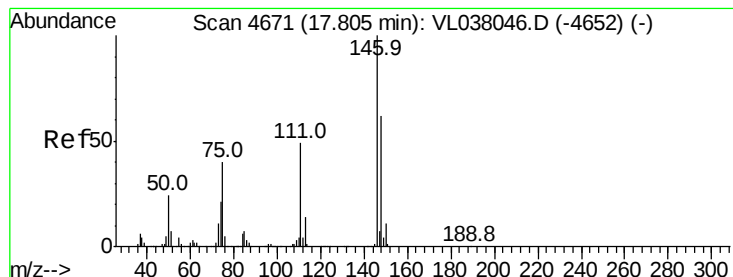


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.821 ppbv

RT: 17.77

Delta R.T. MSVOA_L

Lab File:

ClientSampleId :

Acq: 14 Dec 2021 12:51

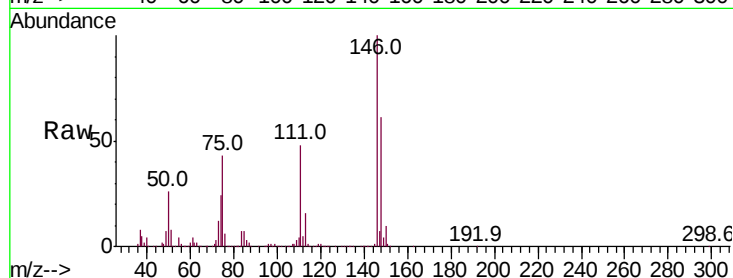
Tot Ion:146 Resp: 1698137

Ion Ratio Lower Upper

146 100

111 49.7 24.8 74.4

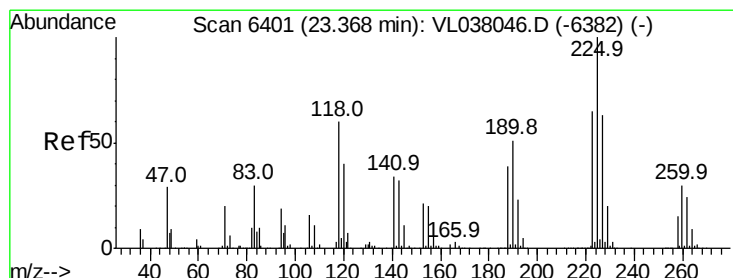
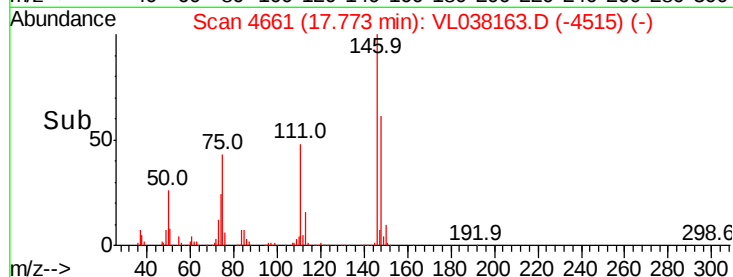
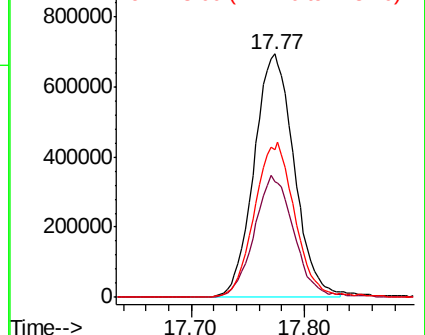
148 64.2 32.3 96.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.415 ppbv

RT: 23.33 min Scan# 6390

Delta R.T. -0.04 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

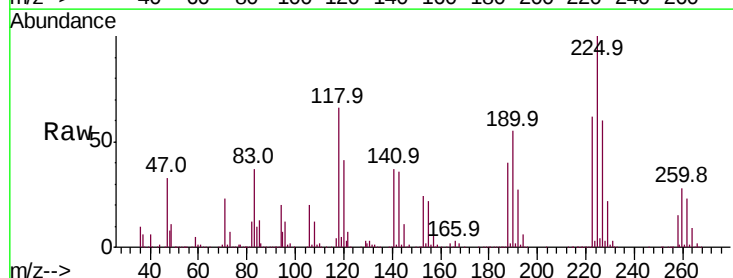
Tgt Ion:225 Resp: 997082

Ion Ratio Lower Upper

225 100

223 64.7 52.3 78.5

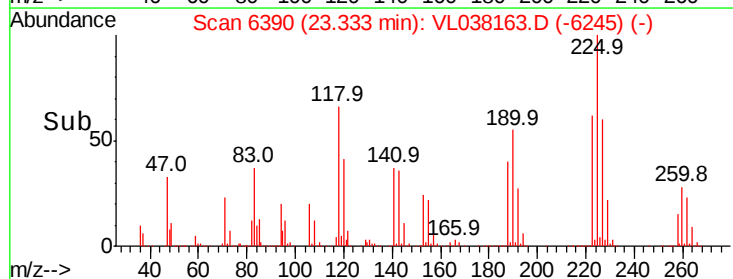
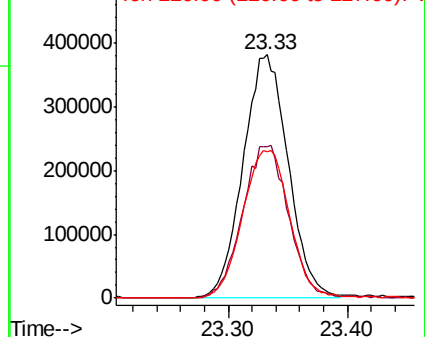
227 63.8 52.4 78.6

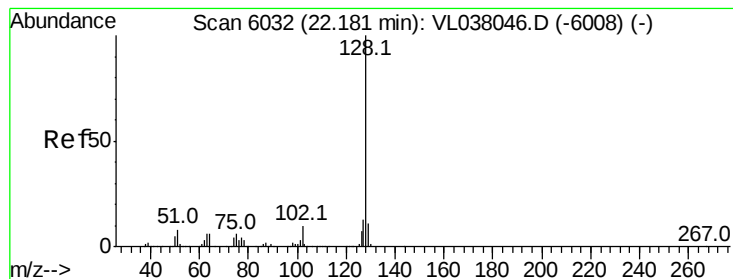


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.708 ppbv

RT: 22.14 min

Delta R.T. MSVOA_L

Lab File:

Acq: 14 Dec 2021 12:51

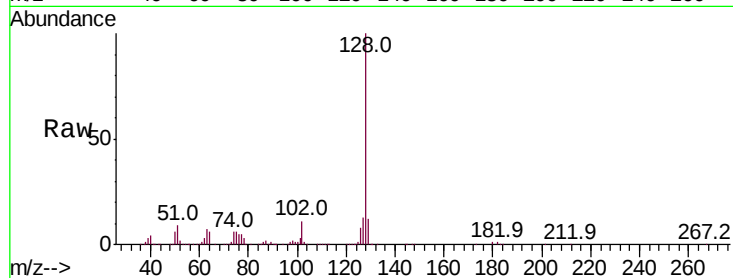
Tot Ion:128 Resp: 1900201

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

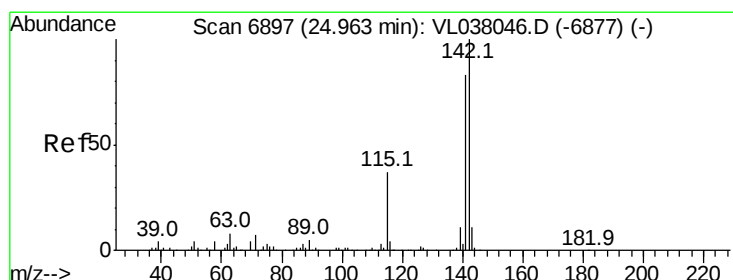
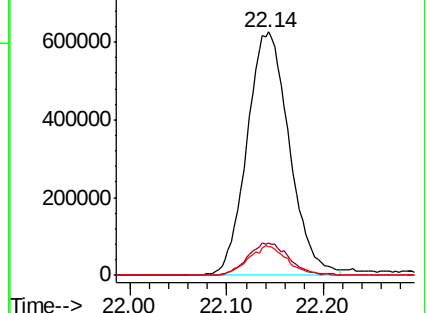
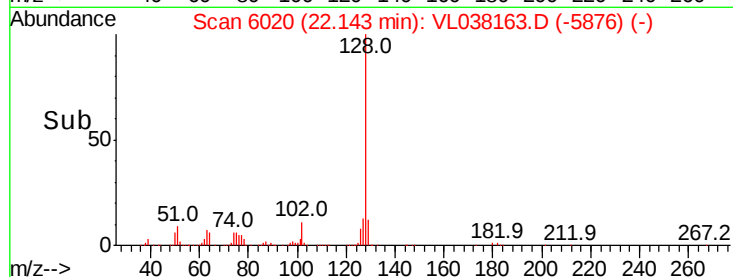
129 11.5 8.9 13.3



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: 8.093 ppbv

RT: 24.93 min Scan# 6888

Delta R.T. -0.03 min

Lab File: VL038163.D

Acq: 14 Dec 2021 12:51

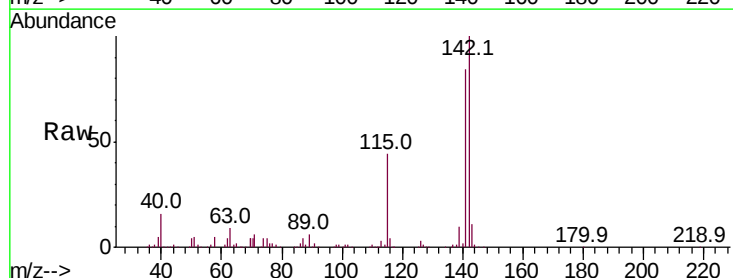
Tgt Ion:142 Resp: 427570

Ion Ratio Lower Upper

142 100

141 82.8 67.3 100.9

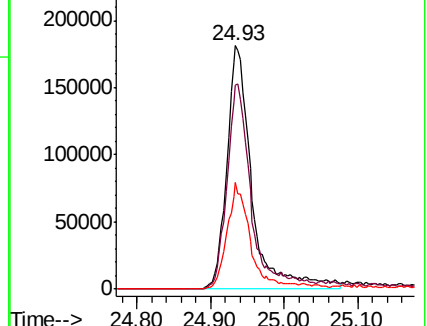
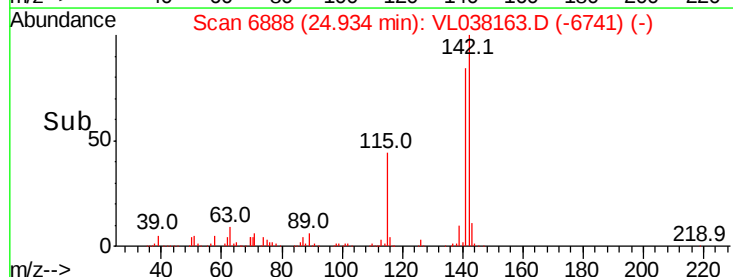
115 42.1 28.9 43.3

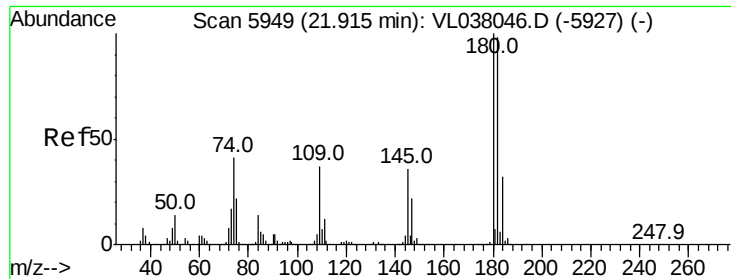


Abundance Ion 142.00 (141.70 to 142.70): V

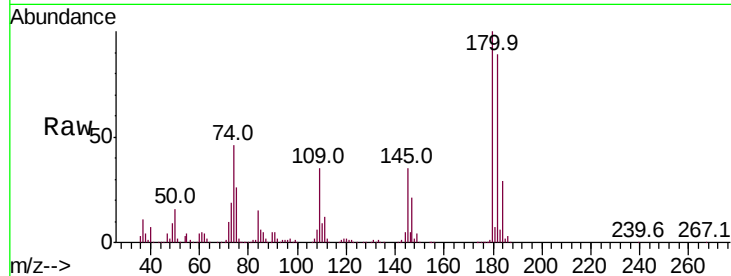
Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.516 ppbv
 RT: 21.87
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 14 Dec 2021 12:51



Tot Ion:	180	Resp:	1064645
Ion	Ratio	Lower	Upper
180	100		
182	97.1	77.4	116.2
184	31.0	25.0	37.4

