

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\
 Data File : VL038551.D
 Acq On : 5 Mar 2022 1:45
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 05 05:00:52 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	961150	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	2232651	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.04	117	2668870	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	1799958	8.15	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2024361	13.297	ppbv 98
3) Chlorodifluoromethane	2.97	51	1678475	9.890	ppbv 99
4) Chloromethane	3.12	50	580472	9.843	ppbv 96
5) Vinyl Chloride	3.24	62	597361	9.690	ppbv 99
6) Bromomethane	3.46	94	309903	9.530	ppbv 96
7) Chloroethane	3.54	64	215710	10.894	ppbv 99
8) Dichlorotetrafluoroethane	3.17	85	1451849	10.253	ppbv 98
9) Propene	2.99	41	538949	9.618	ppbv 100
10) Heptane	8.09	43	1436428	10.530	ppbv 99
11) Trichlorofluoromethane	3.93	101	1510865	10.366	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1123300	10.512	ppbv 100
13) Ethanol	3.59	45	52182	9.331	ppbv 91
14) Bromoethene	3.72	108	446289	10.484	ppbv 98
15) Acetone	3.83	43	740891	9.064	ppbv 100
16) 1,3-Butadiene	3.31	39	560115	10.259	ppbv 95
17) tert-Butyl alcohol	4.26	59	774398	9.496	ppbv 99
18) 1,1-Dichloroethene	4.27	96	483605	10.308	ppbv 99
19) Isopropyl Alcohol	3.94	45	413324	8.733	ppbv # 96
20) Methylene Chloride	4.32	84	393688	9.721	ppbv 95
21) Allyl Chloride	4.39	41	709301	10.274	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	522463	11.038	ppbv 99
23) Vinyl Acetate	5.04	43	1155624	10.669	ppbv 99
24) 1,1-Dichloroethane	4.98	63	1024333	10.519	ppbv 99
25) Ethyl Acetate	5.65	43	2233133	10.169	ppbv 99
26) Hexane	5.65	57	1018984	10.247	ppbv 98
27) Carbon Disulfide	4.52	76	1245398	11.259	ppbv 98
28) Methyl tert-Butyl Ether	5.01	73	1034143	10.210	ppbv 99
29) Chloroform	5.72	83	1683802	10.374	ppbv 98
30) Cyclohexane	7.10	84	834979	10.266	ppbv 100
31) cis-1,2-Dichloroethene	5.52	61	1021614	10.604	ppbv 98
32) 1,1,1-Trichloroethane	6.47	97	1660088	10.171	ppbv 100
34) 2-Butanone	5.21	43	795541	11.329	ppbv 99
35) Carbon Tetrachloride	6.98	117	1758778	11.203	ppbv 99
36) Benzene	6.85	78	2080204	10.584	ppbv 97
37) 1,2-Dichloroethane	6.27	62	1279565	11.266	ppbv 99
38) Trichloroethene	7.80	130	746826	10.432	ppbv 97
39) 1,2-Dichloropropane	7.58	63	834749	10.663	ppbv 95
40) 1,4-Dioxane	7.80	88	182884	9.849	ppbv 80
41) Tetrahydrofuran	6.01	42	489916	10.326	ppbv 98
42) Bromodichloromethane	7.75	83	1858460	11.331	ppbv 98
43) Methyl Methacrylate	7.98	69	786015	11.504	ppbv 99

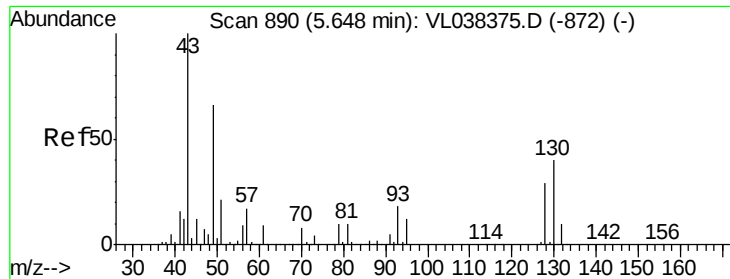
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030422\
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 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.83	57	3631180	10.749	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	600449	10.996	ppbv	98
46) cis-1,3-Dichloropropene	8.66	75	752507	10.514	ppbv	97
47) 1,1,2-Trichloroethane	9.43	97	844565	10.843	ppbv	98
48) Dibromochloromethane	10.26	129	1475190	11.583	ppbv	100
49) Bromoform	13.00	173	1176514	12.515	ppbv	98
50) 4-Methyl-2-Pentanone	8.70	43	1469750	11.839	ppbv	99
51) 2-Hexanone	10.10	43	663263	11.933	ppbv #	98
52) Tetrachloroethene	11.18	164	660928	10.129	ppbv	97
53) Toluene	9.76	91	2372607	11.118	ppbv	100
54) 1,2-Dibromoethane	10.57	107	1252573	11.424	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.08	131	992071	8.918	ppbv	95
57) Chlorobenzene	12.10	112	1729913	8.401	ppbv #	92
58) Ethyl Benzene	12.67	91	3264527	8.945	ppbv	99
59) m/p-Xylene	12.95	91	2651544	8.460	ppbv #	29
60) o-Xylene	13.65	91	2722695	9.189	ppbv	99
61) Styrene	13.48	104	1336087	9.777	ppbv	99
62) Isopropylbenzene	14.63	105	3556728	8.944	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.63	83	1996185	8.292	ppbv	100
64) n-propylbenzene	15.52	120	896468	9.105	ppbv	94
65) tert-Butylbenzene	16.70	119	3119616	9.057	ppbv	98
66) Benzyl Chloride	16.94	91	172432	9.265	ppbv	99
67) sec-Butylbenzene	17.25	105	4427342	9.072	ppbv	99
69) p-Isopropyltoluene	17.61	119	3596147	9.381	ppbv	99
70) n-Butylbenzene	18.51	91	3885809	9.795	ppbv	99
71) 2-Chlorotoluene	15.41	91	2796476	9.145	ppbv	98
72) 4-Ethyltoluene	15.80	105	3074624	9.418	ppbv	99
73) 1,3,5-Trimethylbenzene	15.95	105	2775529	9.362	ppbv	100
74) 1,2,4-Trimethylbenzene	16.72	105	2926563	9.350	ppbv	94
75) 1,3-Dichlorobenzene	16.95	146	1561669	8.908	ppbv	98
76) 1,4-Dichlorobenzene	17.09	146	1514721	8.762	ppbv	99
77) 1,2-Dichlorobenzene	17.77	146	1503309	8.908	ppbv	99
78) Hexachloro-1,3-Butadiene	23.33	225	1114233	8.658	ppbv	99
79) Naphthalene	22.14	128	1932946	11.398	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	251105	7.576	ppbv	97
81) 1,2,4-Trichlorobenzene	21.88	180	1065459	10.391	ppbv	99

(#) = 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: 5 Mar 2022 1:45

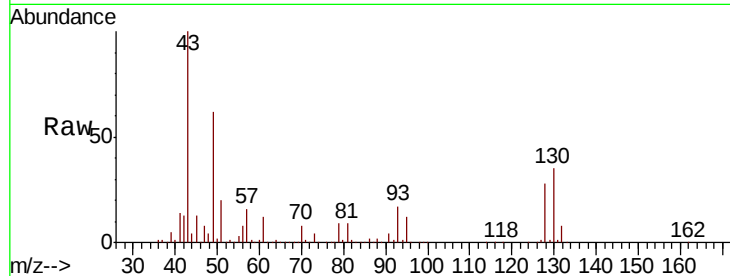
Tot Ion: 49 Resp: 961150

Ion Ratio Lower Upper

49 100

128 46.7 24.3 72.9

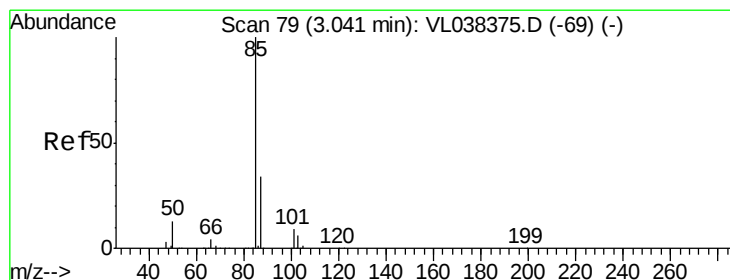
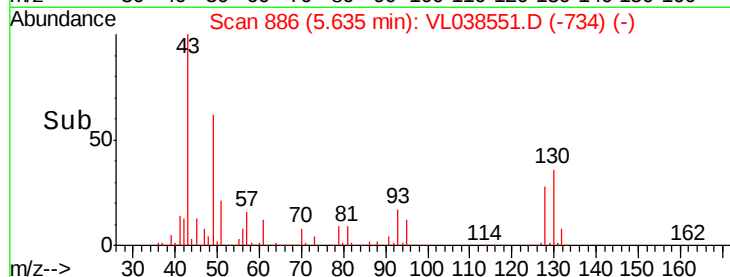
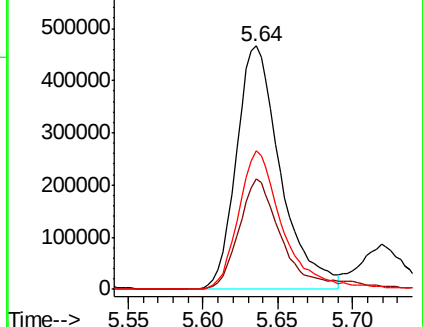
130 57.2 30.1 90.5



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: 13.297 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL038551.D

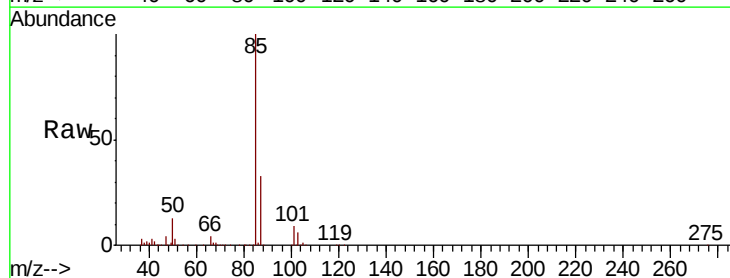
Acq: 5 Mar 2022 1:45

Tgt Ion: 85 Resp: 2024361

Ion Ratio Lower Upper

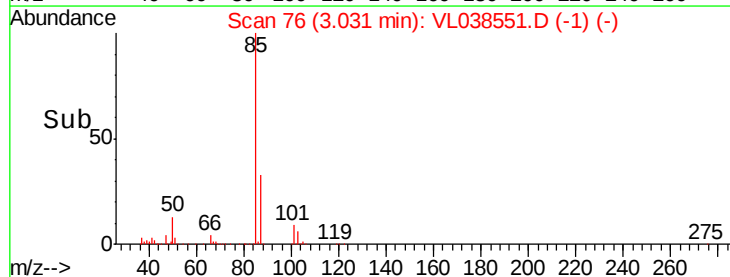
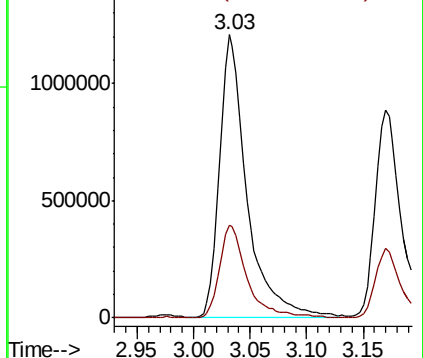
85 100

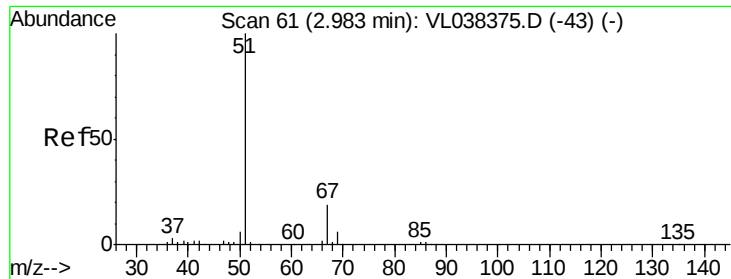
87 32.8 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.890 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

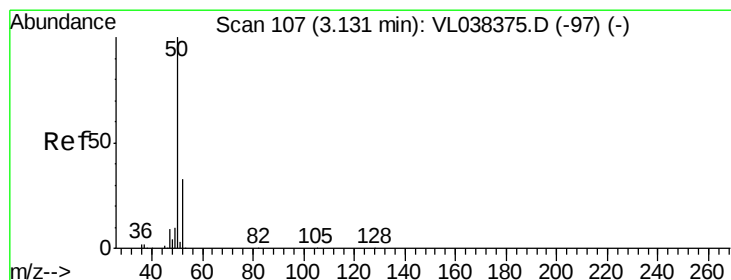
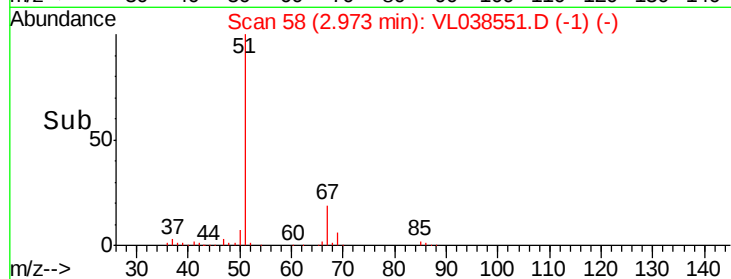
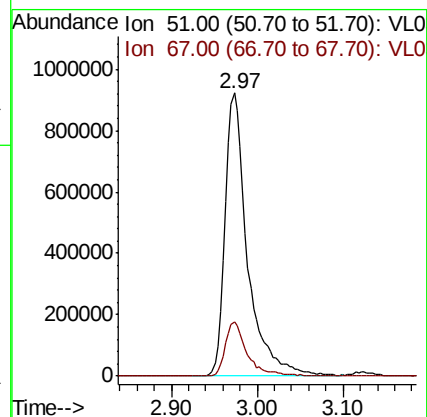
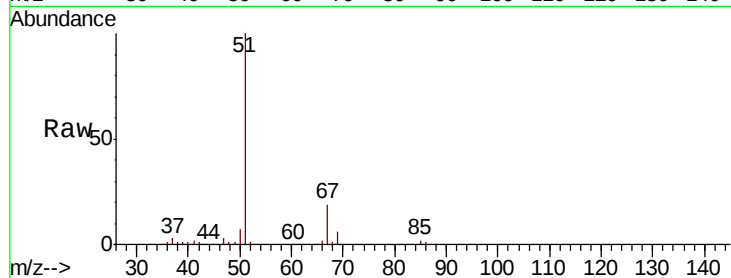
Acq: 5 Mar 2022 1:45

Tot Ion: 51 Resp: 1678475

Ion Ratio Lower Upper

51 100

67 18.9 14.7 22.1



#4

Chloromethane

Concen: 9.843 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL038551.D

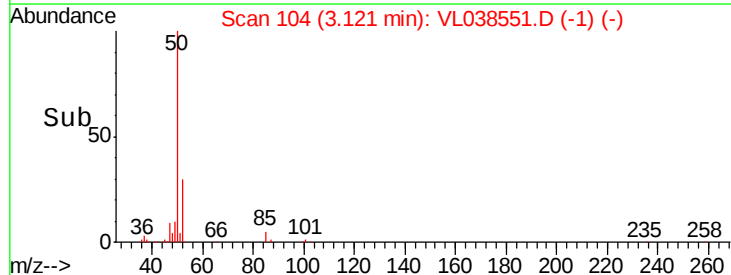
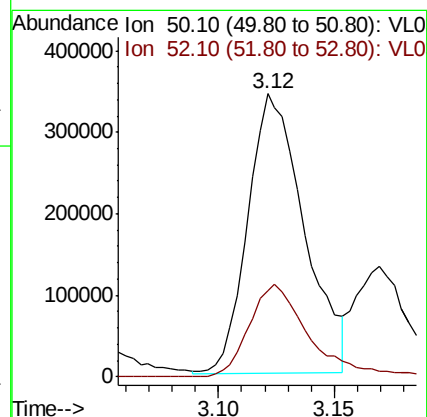
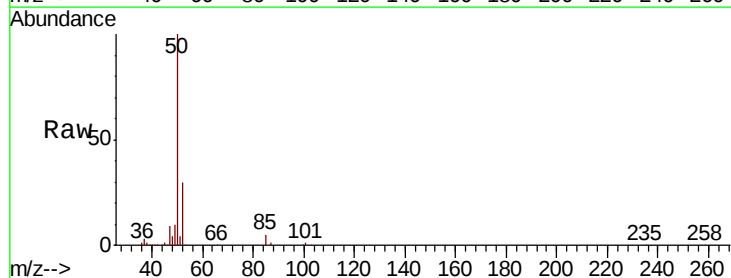
Acq: 5 Mar 2022 1:45

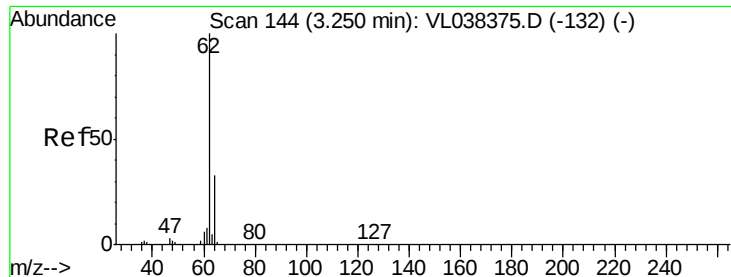
Tgt Ion: 50 Resp: 580472

Ion Ratio Lower Upper

50 100

52 30.7 26.5 39.7





#5

Vinyl Chloride

Concen: 9.690 ppbv

RT: 3.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

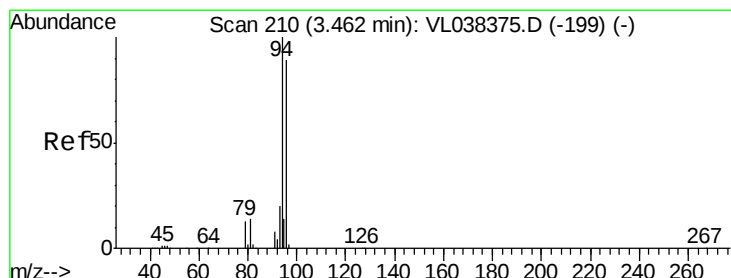
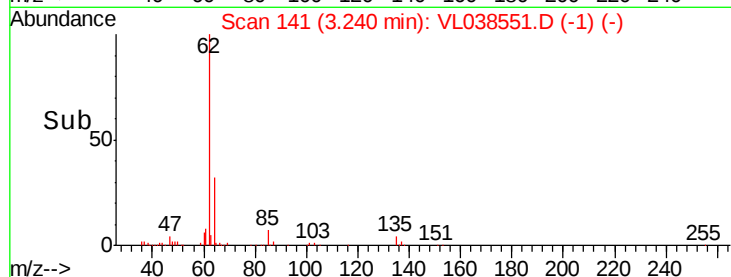
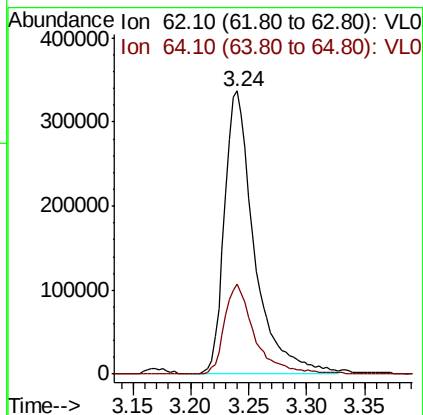
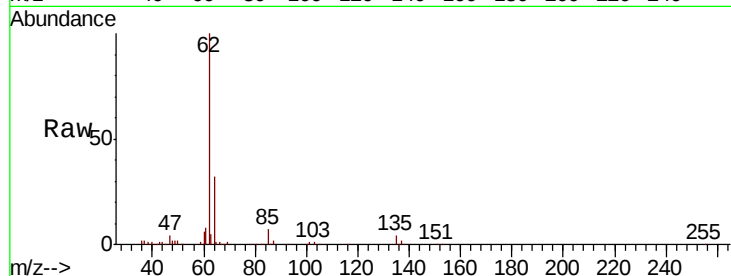
Acq: 5 Mar 2022 1:45

Tot Ion: 62 Resp: 597361

Ion Ratio Lower Upper

62 100

64 31.9 26.2 39.2



#6

Bromomethane

Concen: 9.530 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.01 min

Lab File: VL038551.D

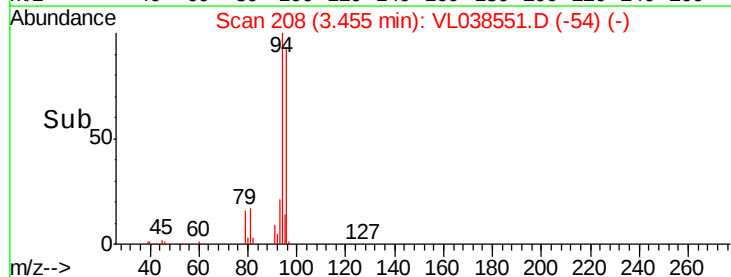
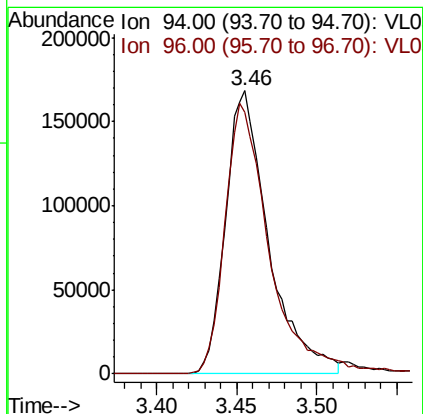
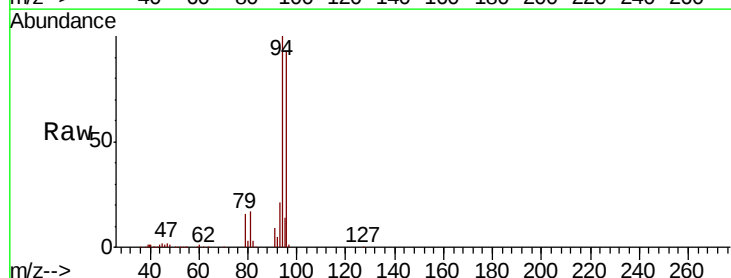
Acq: 5 Mar 2022 1:45

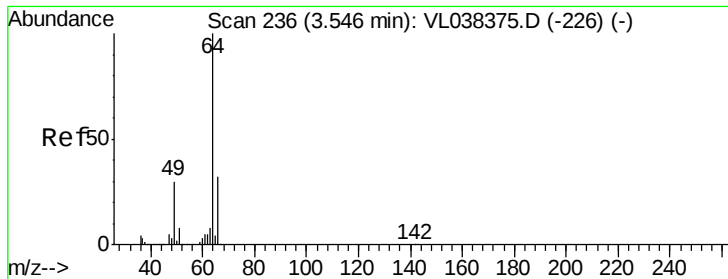
Tgt Ion: 94 Resp: 309903

Ion Ratio Lower Upper

94 100

96 92.5 71.0 106.6





#7

Chloroethane

Concen: 10.894 ppbv

RT: 3.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

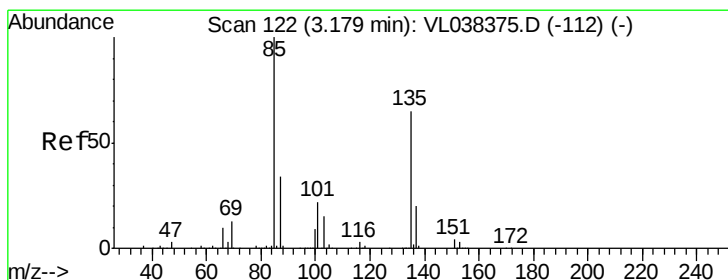
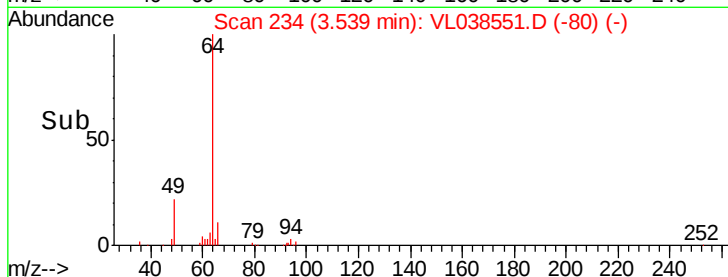
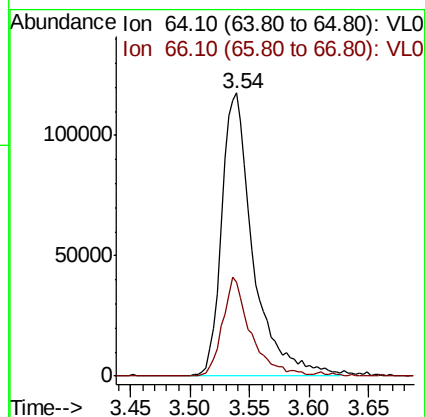
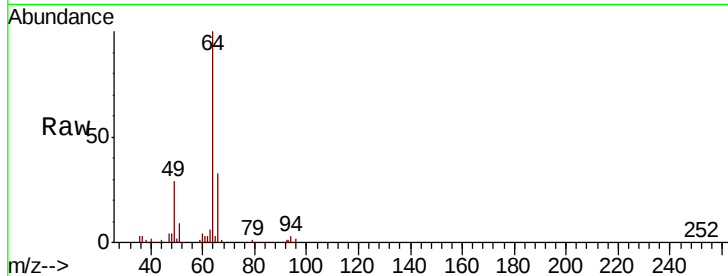
Acq: 5 Mar 2022 1:45

Tot Ion: 64 Resp: 215710

Ion Ratio Lower Upper

64 100

66 33.2 25.9 38.9



#8

Dichlorotetrafluoroethane

Concen: 10.253 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL038551.D

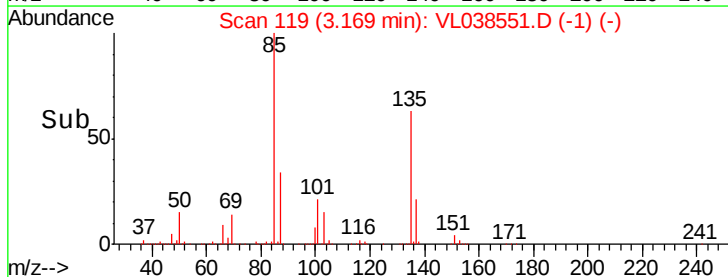
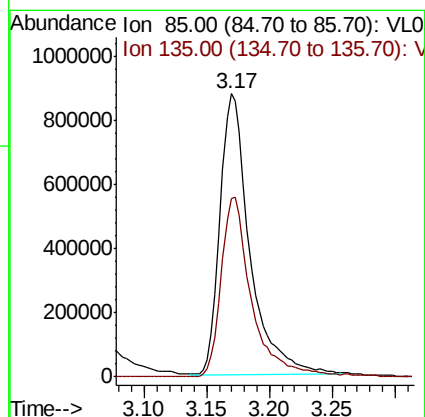
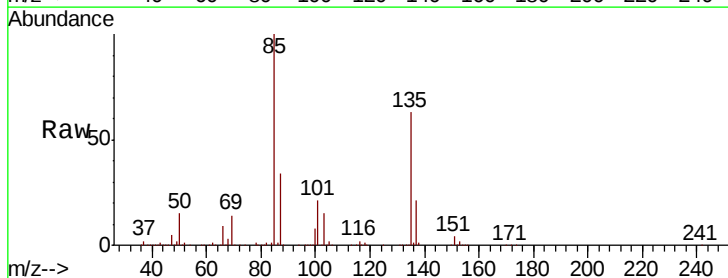
Acq: 5 Mar 2022 1:45

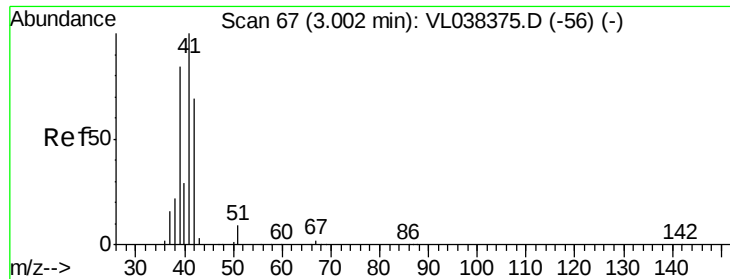
Tgt Ion: 85 Resp: 1451849

Ion Ratio Lower Upper

85 100

135 66.1 54.1 81.1





#9

Propene

Concen: 9.618 ppbv

RT: 2.99 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

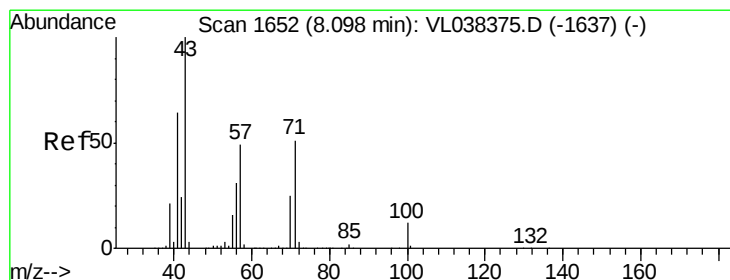
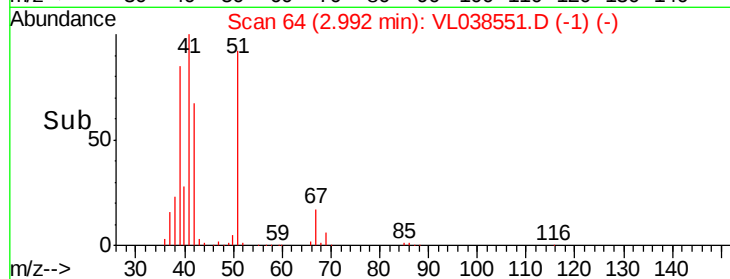
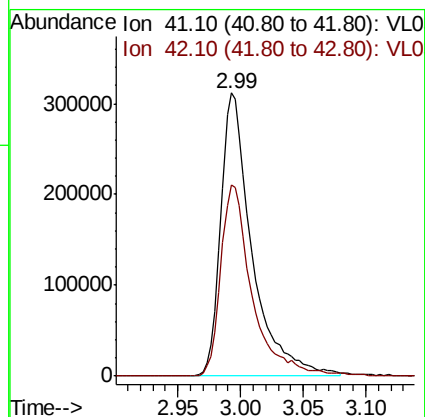
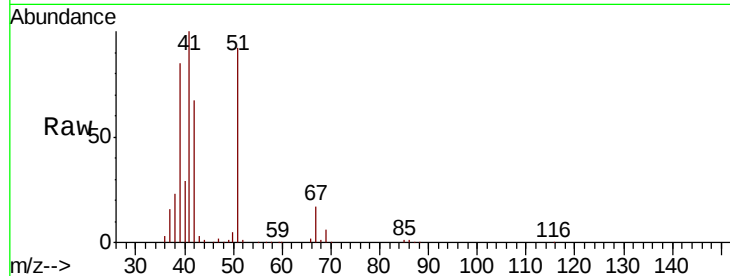
Acq: 5 Mar 2022 1:45

Tot Ion: 41 Resp: 538949

Ion Ratio Lower Upper

41 100

42 68.4 54.6 82.0



#10

Heptane

Concen: 10.530 ppbv

RT: 8.09 min Scan# 1648

Delta R.T. -0.01 min

Lab File: VL038551.D

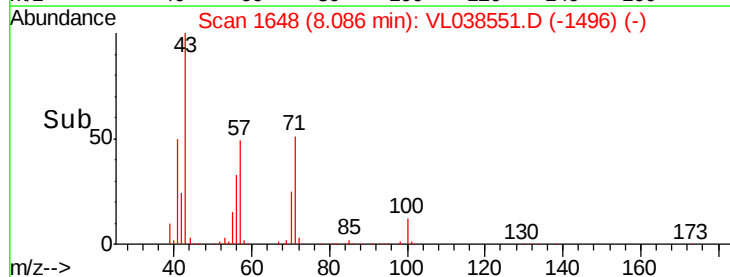
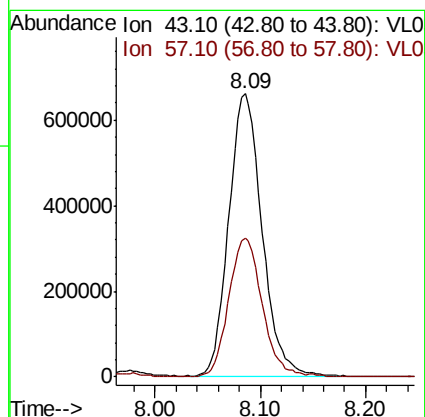
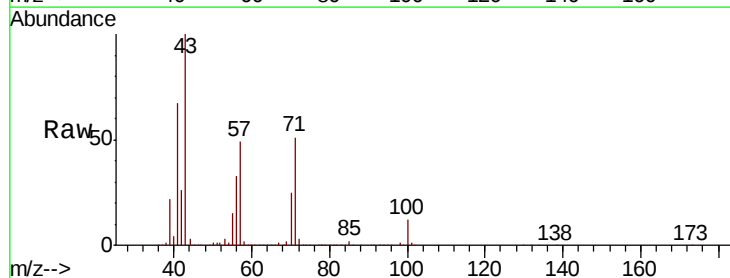
Acq: 5 Mar 2022 1:45

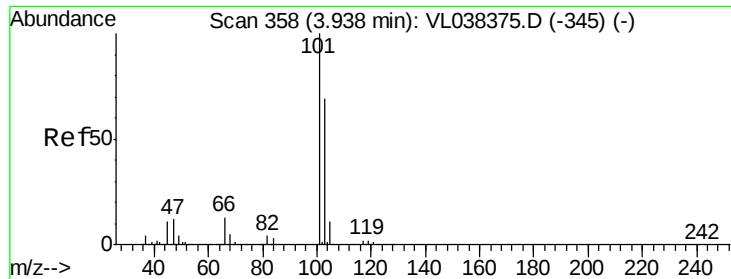
Tgt Ion: 43 Resp: 1436428

Ion Ratio Lower Upper

43 100

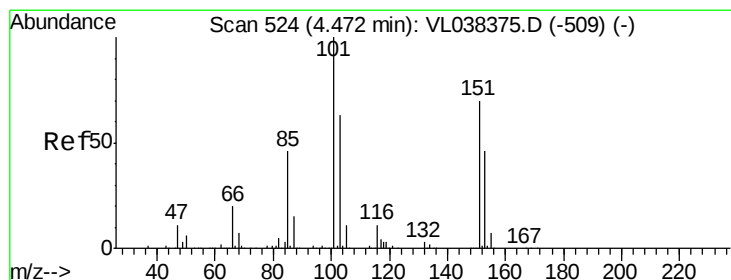
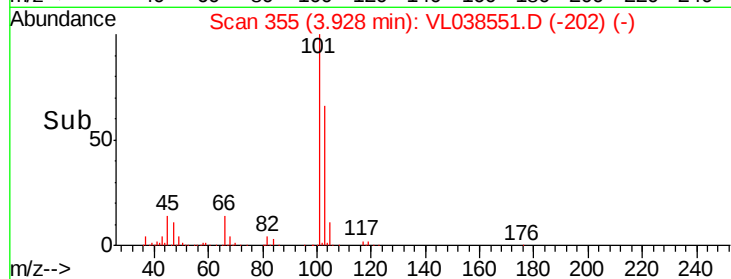
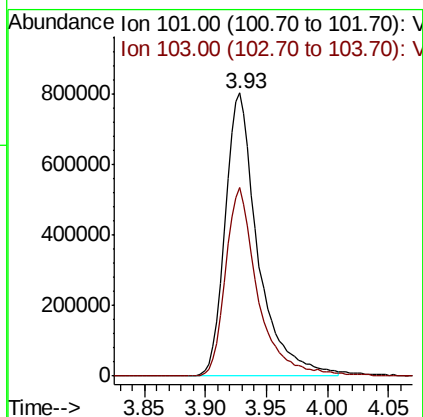
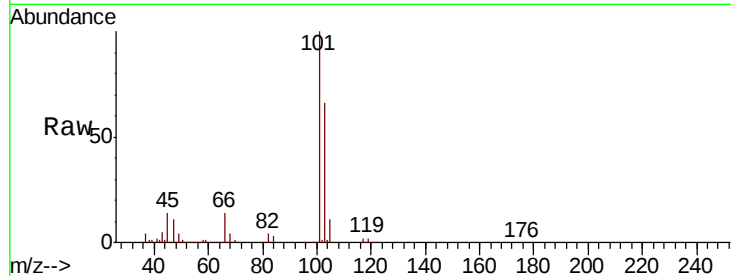
57 50.2 39.8 59.8





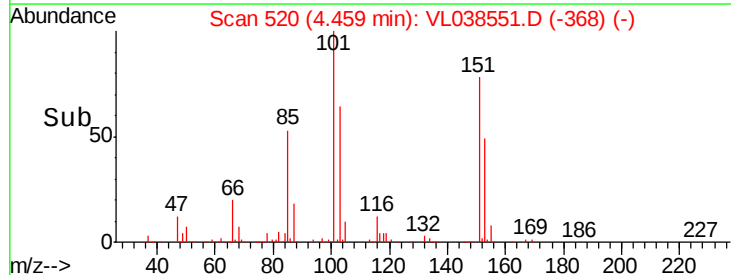
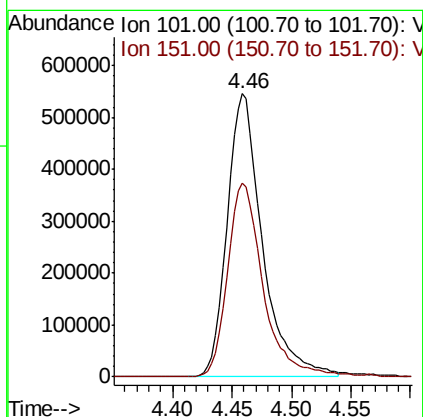
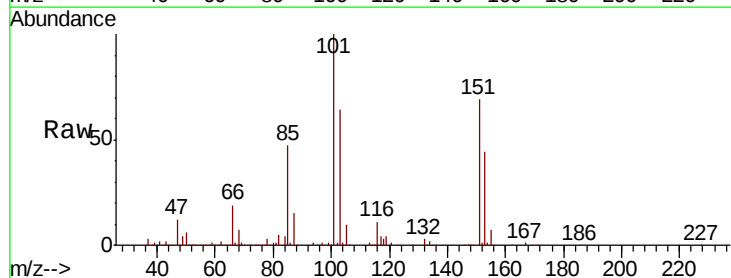
#11
 Trichlorofluoromethane
 Concen: 10.366 ppbv
 RT: 3.93
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 Mar 2022 1:45

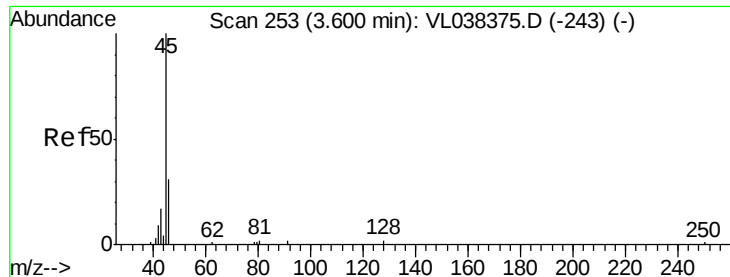
Tot Ion:101 Resp: 1510865
 Ion Ratio Lower Upper
 101 100
 103 66.5 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.512 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: VL038551.D
 Acq: 5 Mar 2022 1:45

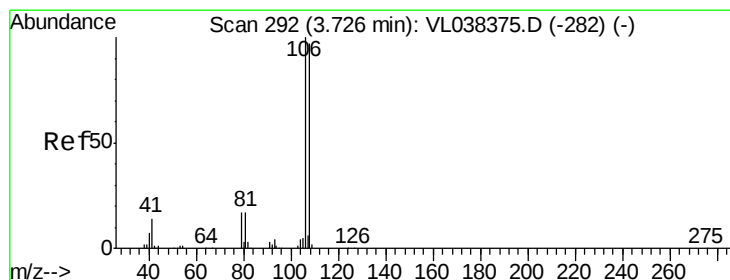
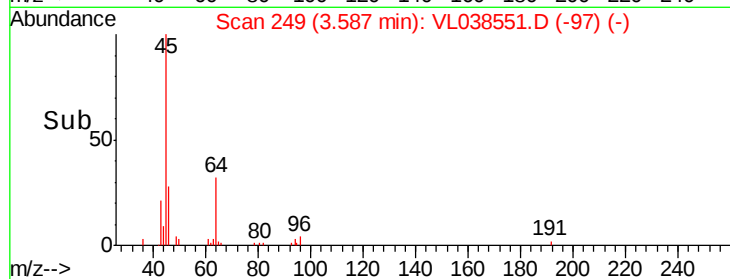
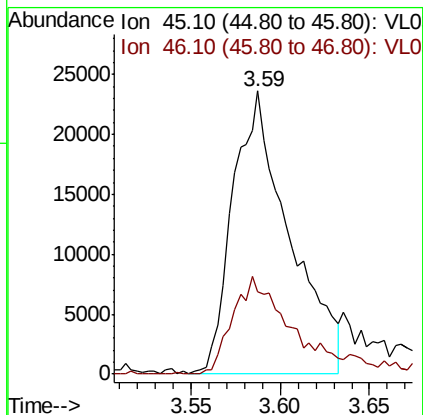
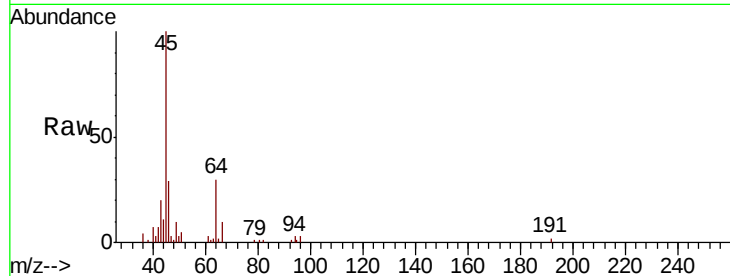
Tgt Ion:101 Resp: 1123300
 Ion Ratio Lower Upper
 101 100
 151 69.7 55.9 83.9





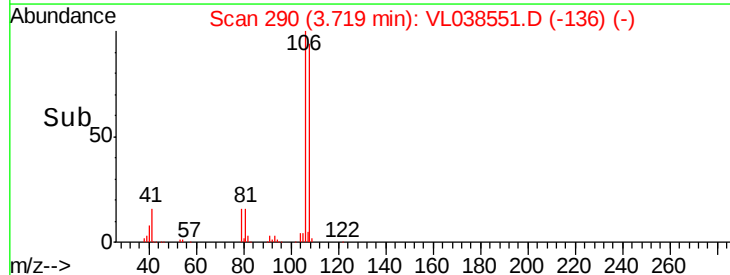
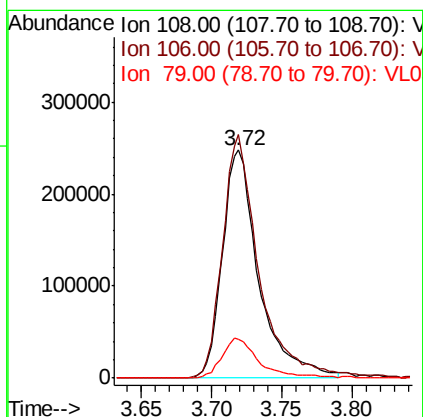
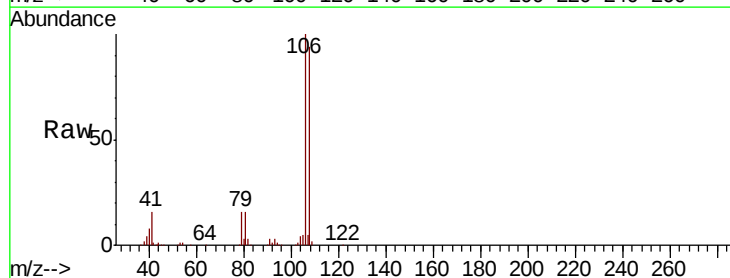
#13
Ethanol
Concen: 9.331 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Mar 2022 1:45

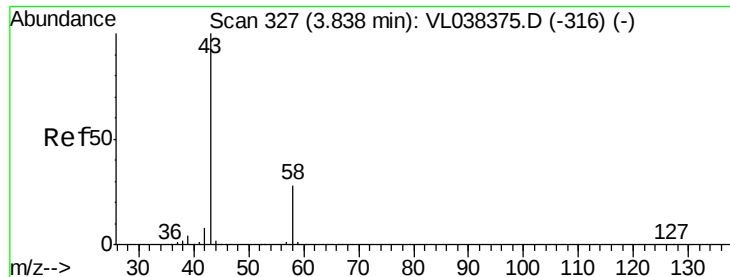
Tot Ion: 45 Resp: 52182
Ion Ratio Lower Upper
45 100
46 39.3 18.2 72.8



#14
Bromoethene
Concen: 10.484 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.01 min
Lab File: VL038551.D
Acq: 5 Mar 2022 1:45

Tgt Ion: 108 Resp: 446289
Ion Ratio Lower Upper
108 100
106 108.3 88.4 132.6
79 18.7 15.0 22.6





#15

Acetone

Concen: 9.064 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

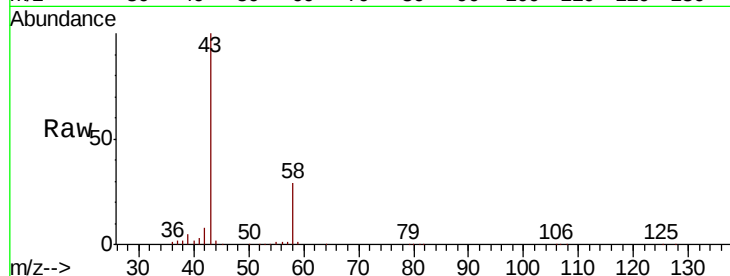
Acq: 5 Mar 2022 1:45

Tot Ion: 43 Resp: 740891

Ion Ratio Lower Upper

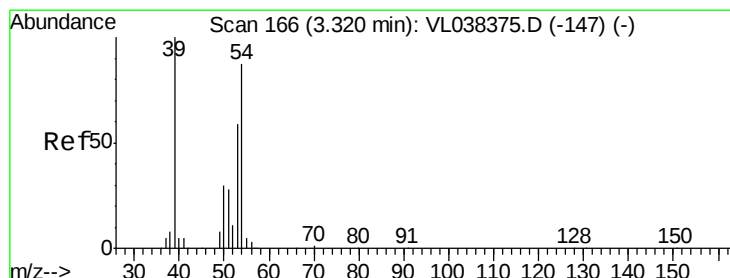
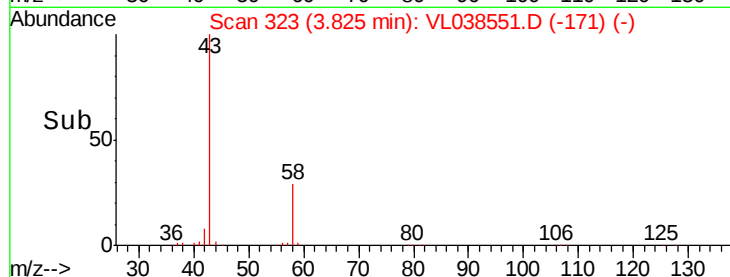
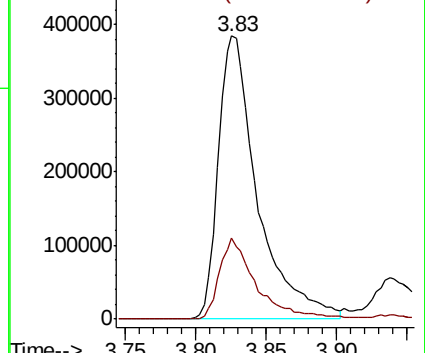
43 100

58 26.9 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.259 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.01 min

Lab File: VL038551.D

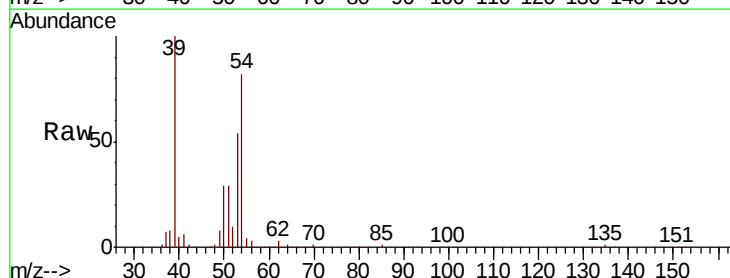
Acq: 5 Mar 2022 1:45

Tgt Ion: 39 Resp: 560115

Ion Ratio Lower Upper

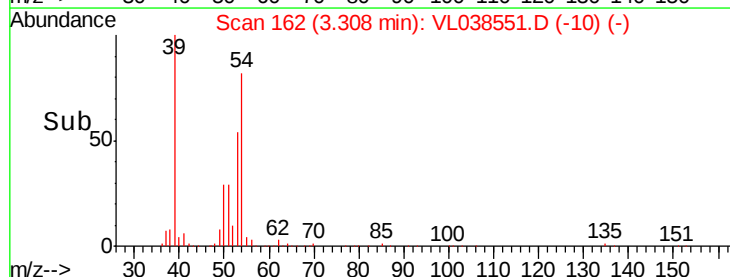
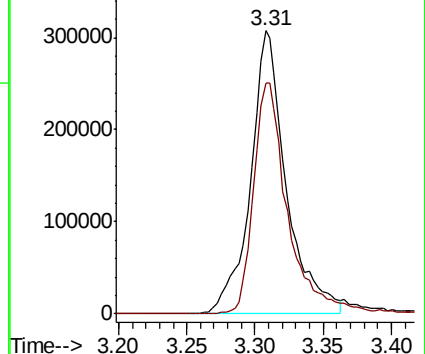
39 100

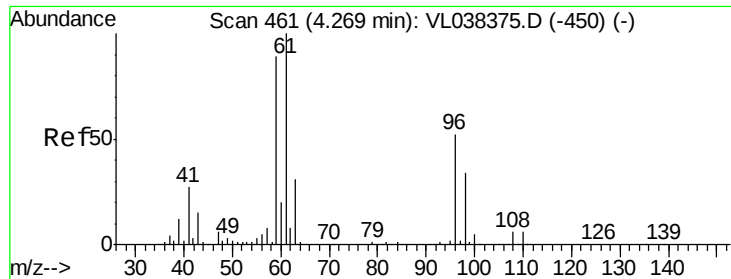
54 79.3 60.3 90.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.496 ppbv

RT: 4.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

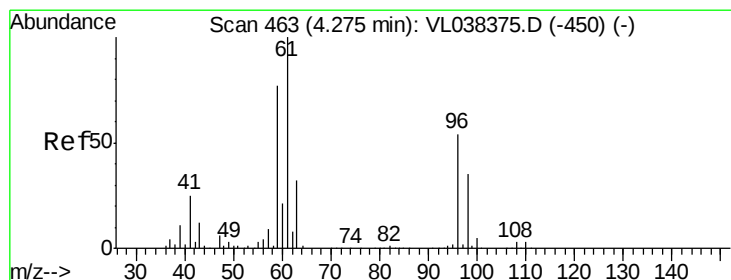
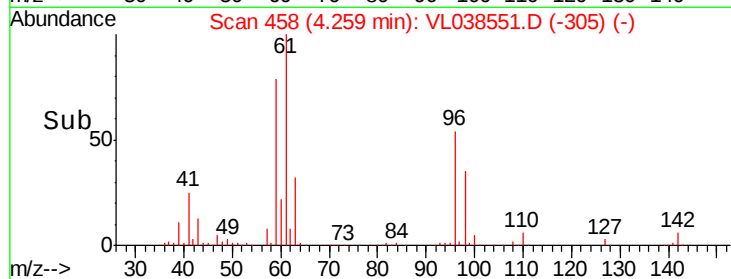
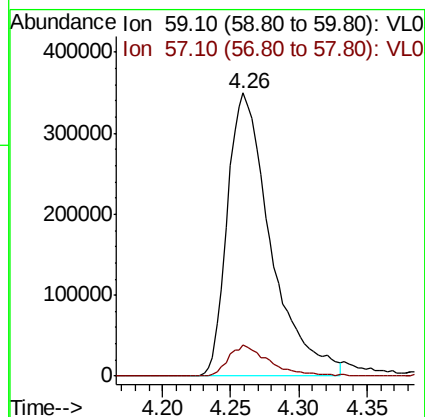
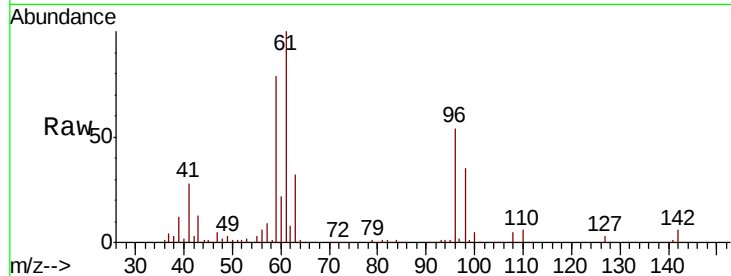
Acq: 5 Mar 2022 1:45

Tot Ion: 59 Resp: 774398

Ion Ratio Lower Upper

59 100

57 10.7 8.4 12.6



#18

1,1-Dichloroethene

Concen: 10.308 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

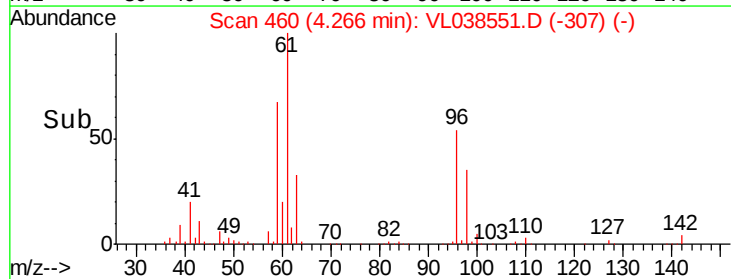
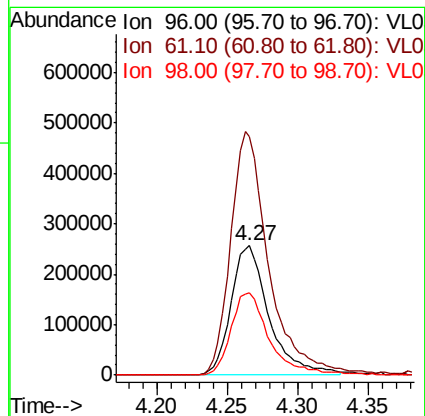
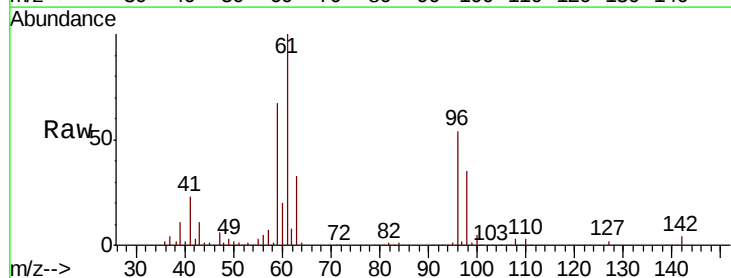
Tgt Ion: 96 Resp: 483605

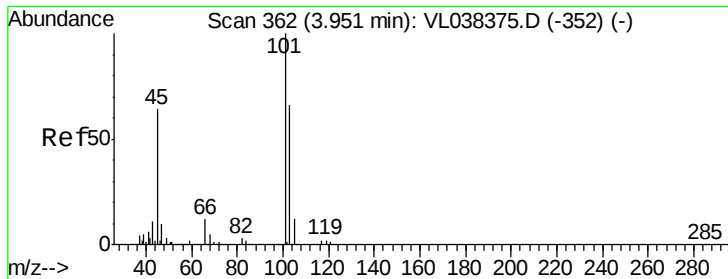
Ion Ratio Lower Upper

96 100

61 184.1 146.8 220.2

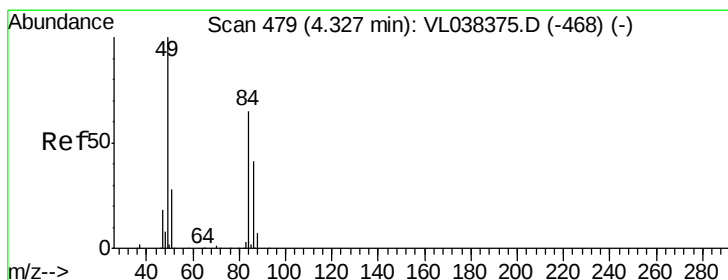
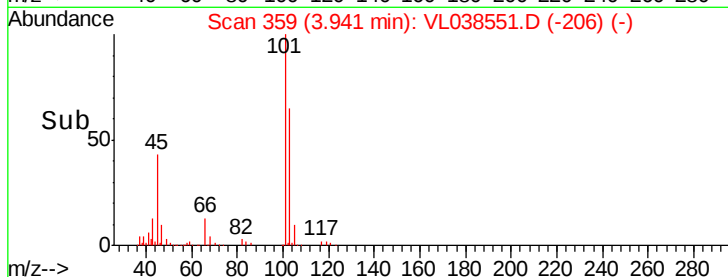
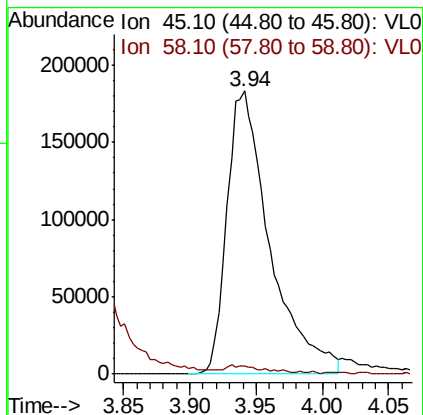
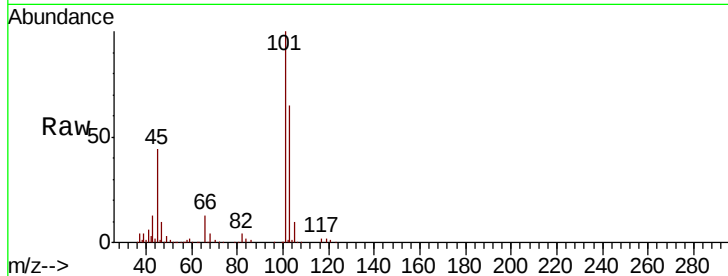
98 63.5 51.5 77.3





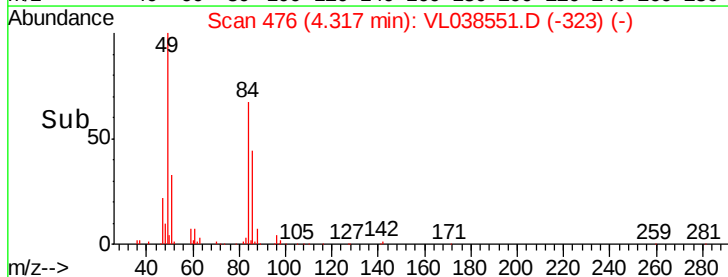
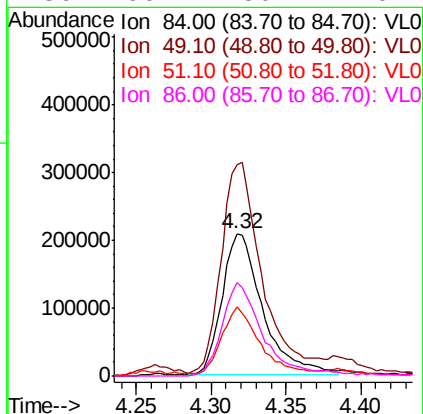
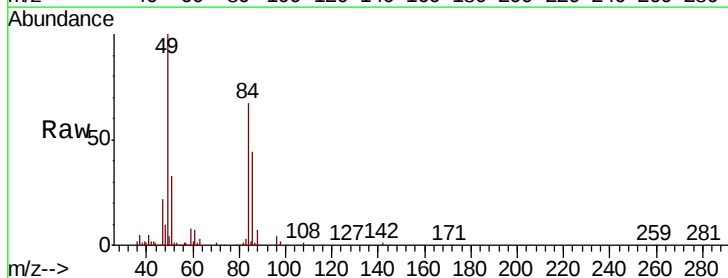
#19
Isopropyl Alcohol
Concen: 8.733 ppbv
RT: 3.94
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Mar 2022 1:45

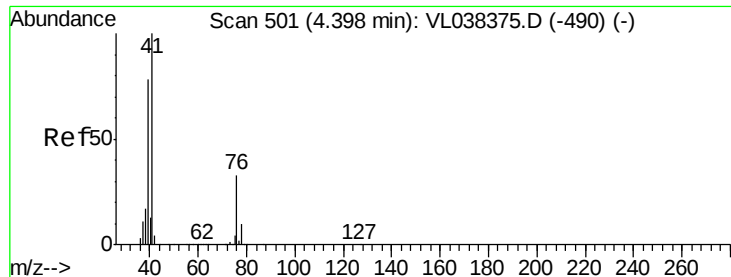
Tot Ion: 45 Resp: 413324
Ion Ratio Lower Upper
45 100
58 3.8 1.8 2.8#



#20
Methylene Chloride
Concen: 9.721 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL038551.D
Acq: 5 Mar 2022 1:45

Tgt Ion: 84 Resp: 393688
Ion Ratio Lower Upper
84 100
49 147.8 122.4 183.6
51 47.5 33.3 49.9
86 66.2 50.7 76.1





#21

Allvl Chloride

Concen: 10.274 ppbv

RT: 4.39 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Mar 2022 1:45

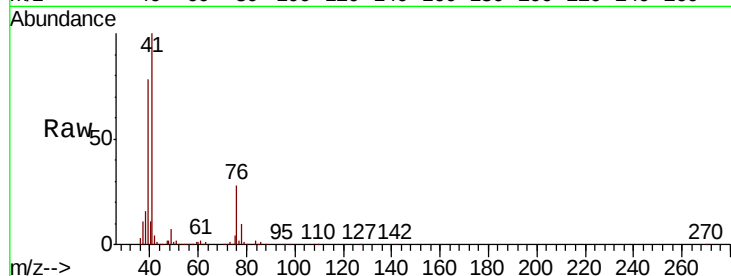
Tot Ion: 41 Resp: 709301

Ion Ratio Lower Upper

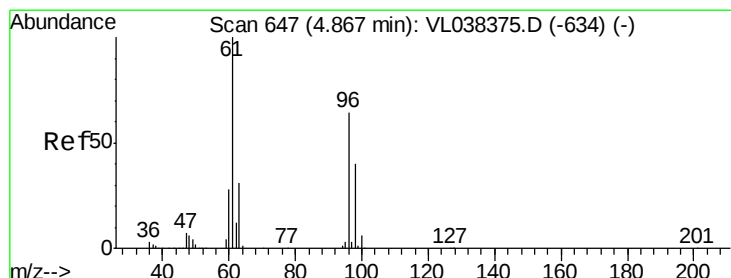
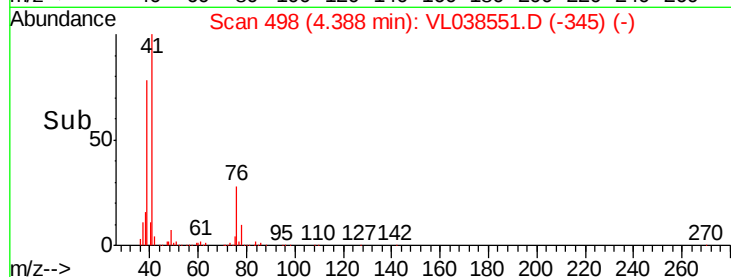
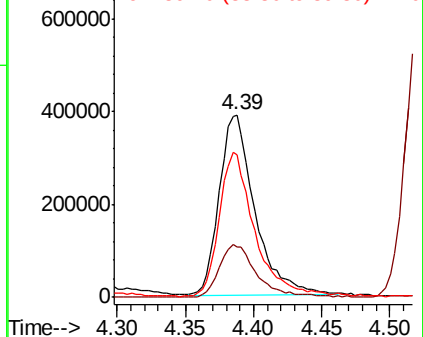
41 100

76 30.7 25.4 38.0

39 79.8 63.0 94.6



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 11.038 ppbv

RT: 4.86 min Scan# 644

Delta R.T. -0.01 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

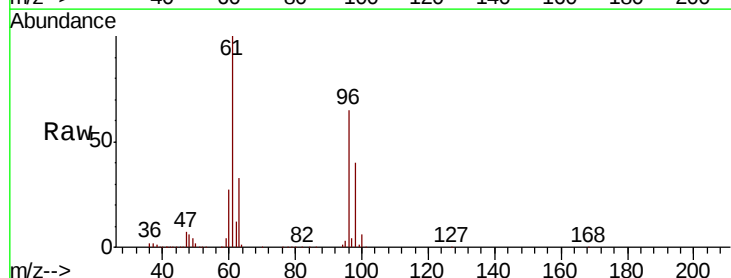
Tgt Ion: 96 Resp: 522463

Ion Ratio Lower Upper

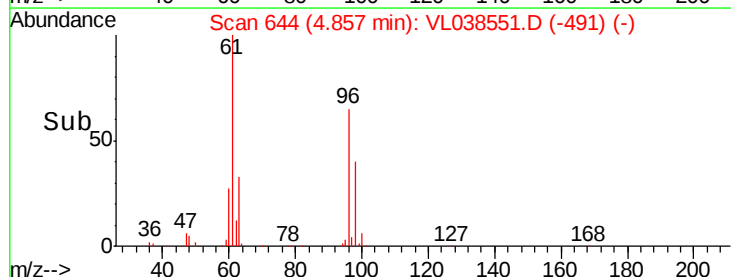
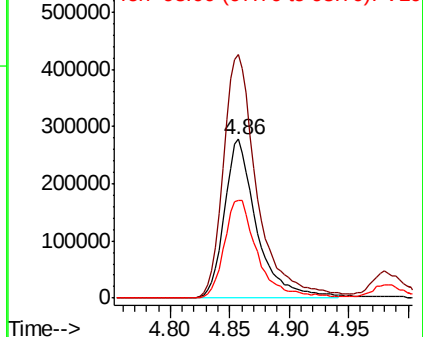
96 100

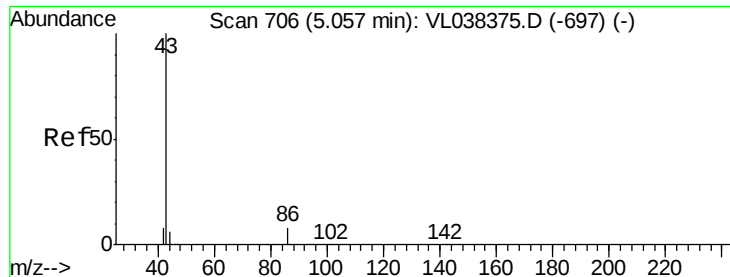
61 153.5 124.2 186.4

98 61.7 49.1 73.7



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

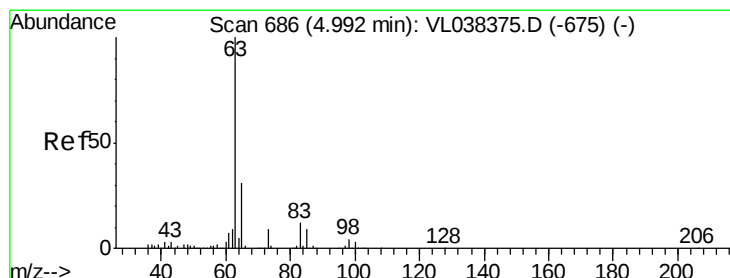
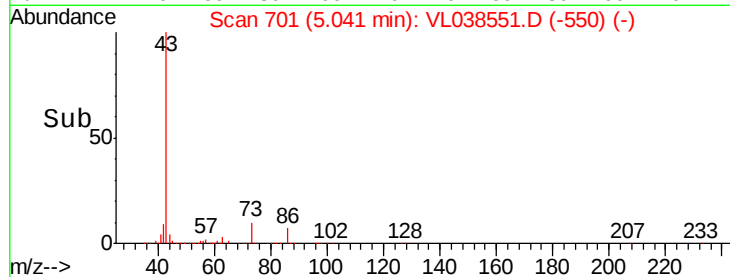
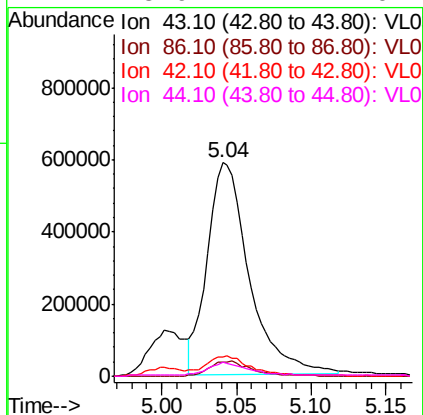
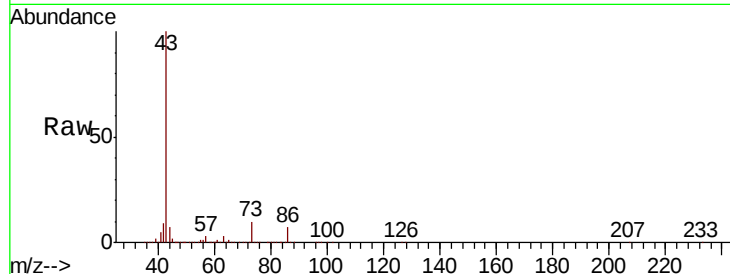




#23
 Vinyl Acetate
 Concen: 10.669 ppbv
 RT: 5.04
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 Mar 2022 1:45

Tot Ion: 43 Resp: 1155624

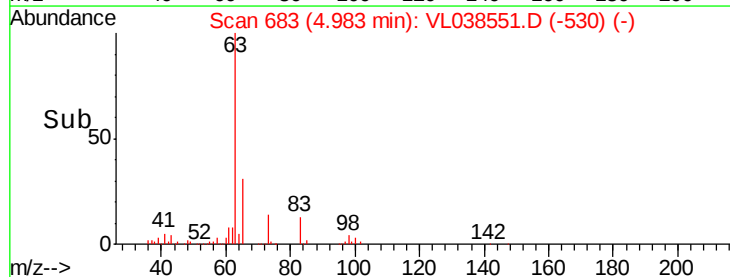
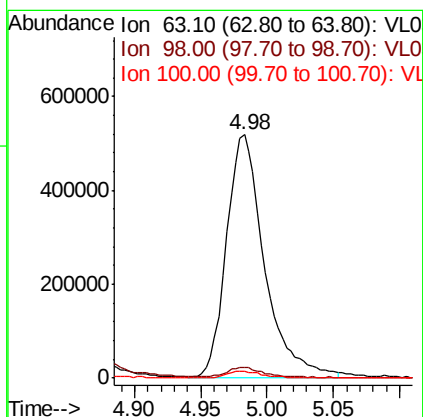
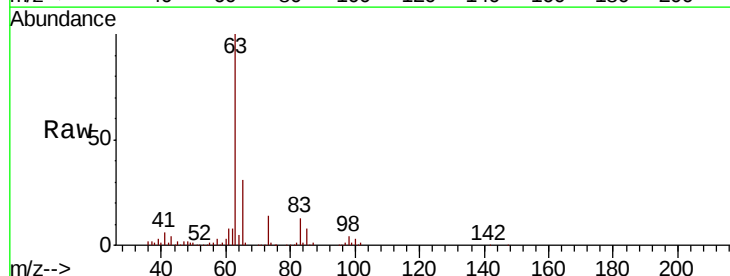
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.8	8.6
42	9.1	7.4	11.0
44	5.9	4.2	6.2

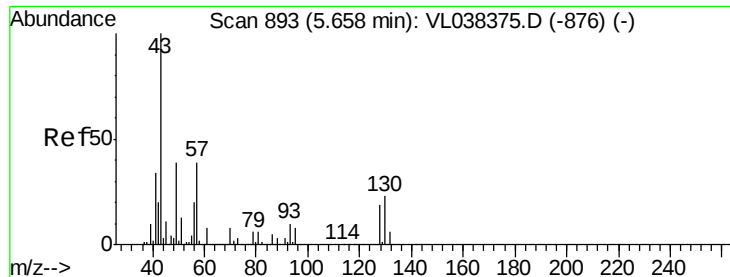


#24
 1,1-Dichloroethane
 Concen: 10.519 ppbv
 RT: 4.98 min Scan# 683
 Delta R.T. -0.01 min
 Lab File: VL038551.D
 Acq: 5 Mar 2022 1:45

Tgt Ion: 63 Resp: 1024333

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.5	1.4	4.2

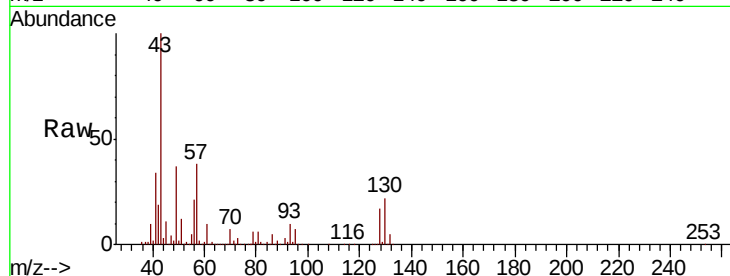




#25
Ethyl Acetate
Concen: 10.169 ppbv
RT: 5.65 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 Mar 2022 1:45

Tot Ion: 43 Resp: 2233133

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.6
61	9.6	7.5	11.3
70	6.5	5.4	8.0



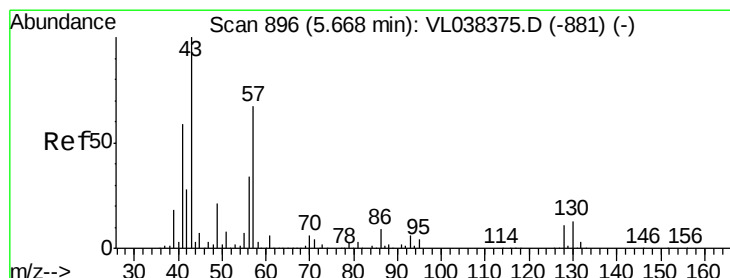
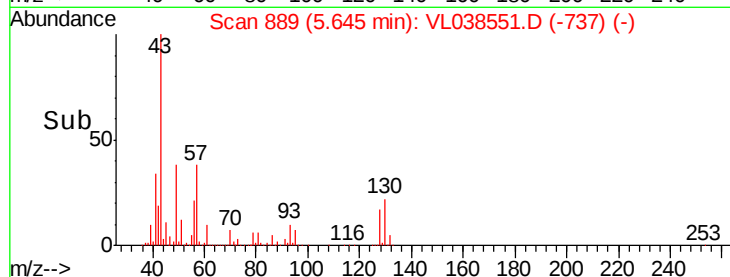
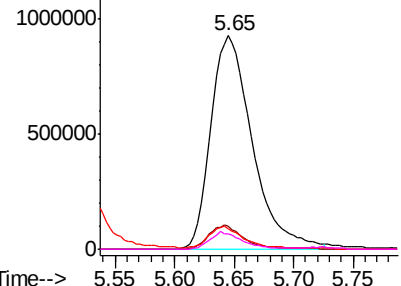
Abundance

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

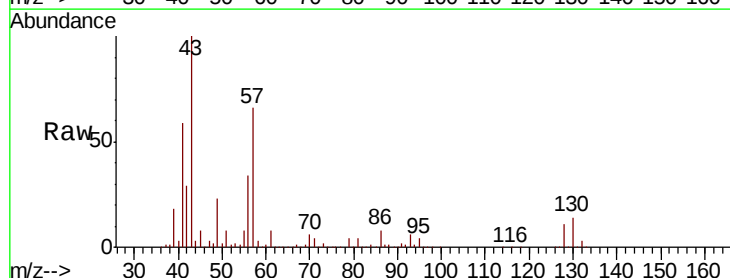
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.247 ppbv
RT: 5.65 min Scan# 892
Delta R.T.: -0.01 min
Lab File: VL038551.D
Acq: 5 Mar 2022 1:45

Tgt Ion: 57 Resp: 1018984

Ion	Ratio	Lower	Upper
57	100		
41	92.6	73.1	109.7
43	223.1	181.0	271.4
56	54.0	43.4	65.0



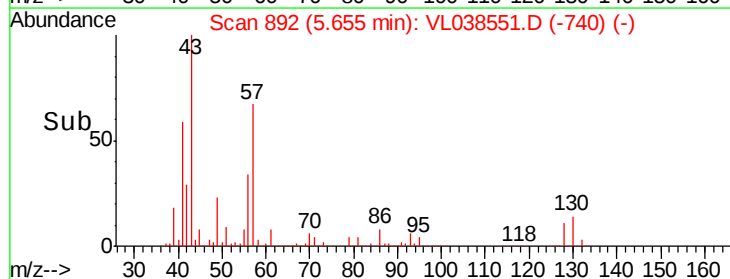
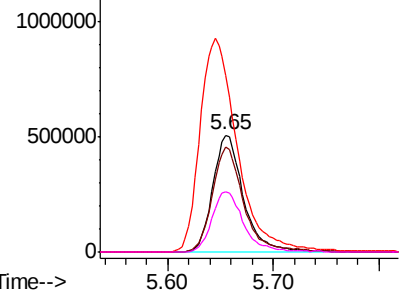
Abundance

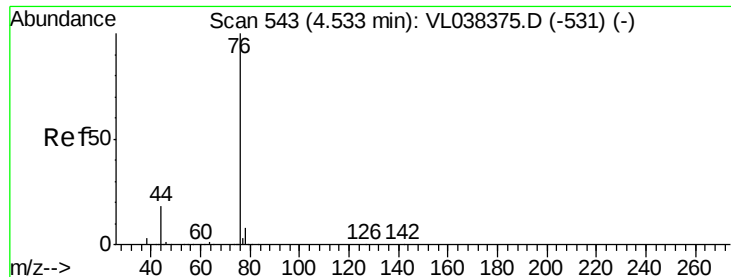
Ion 57.10 (56.80 to 57.80): VL0

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: 11.259 ppbv

RT: 4.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Mar 2022 1:45

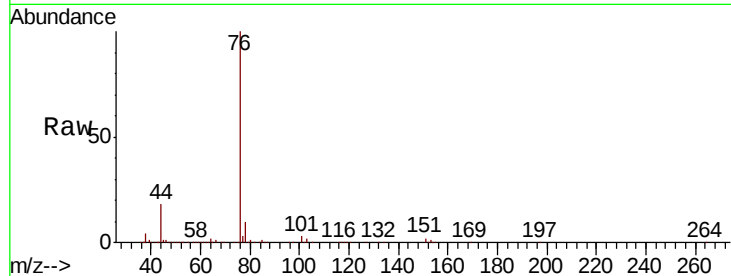
Tot Ion: 76 Resp: 1245398

Ion Ratio Lower Upper

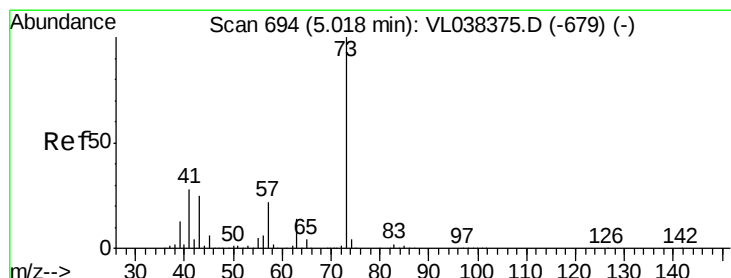
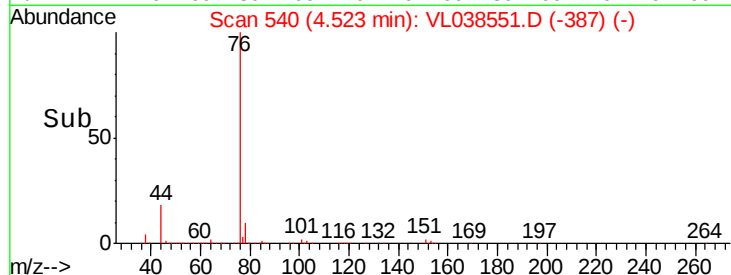
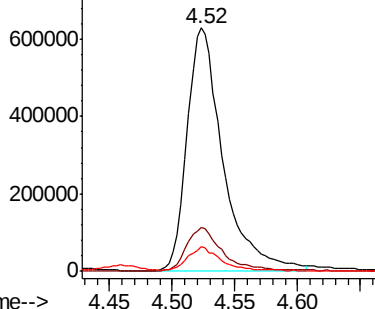
76 100

44 18.8 14.2 21.2

78 9.8 7.8 11.6



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



#28

Methyl tert-Butyl Ether

Concen: 10.210 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.01 min

Lab File: VL038551.D

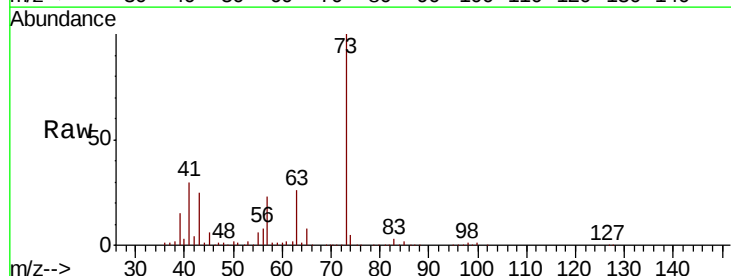
Acq: 5 Mar 2022 1:45

Tgt Ion: 73 Resp: 1034143

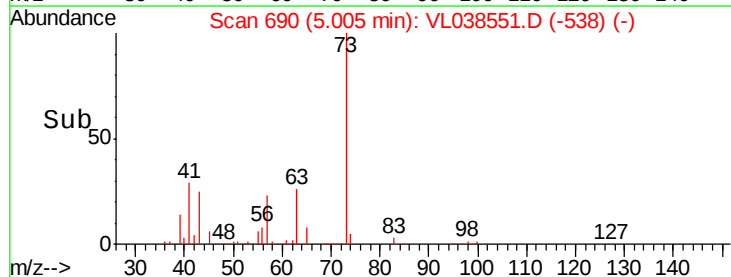
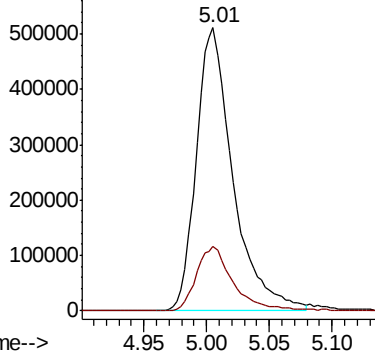
Ion Ratio Lower Upper

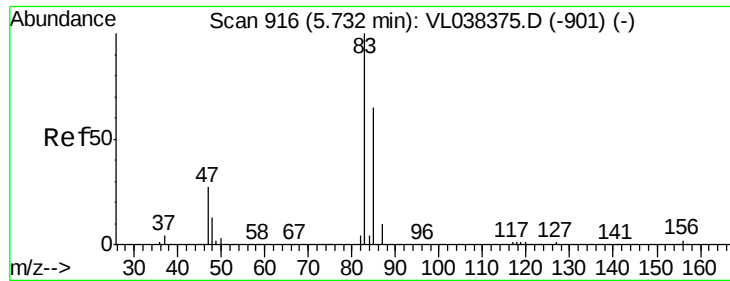
73 100

57 23.3 18.2 27.4



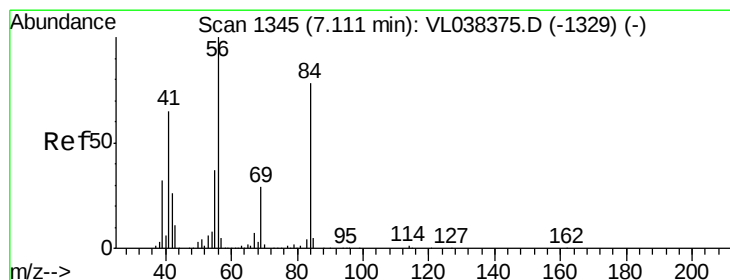
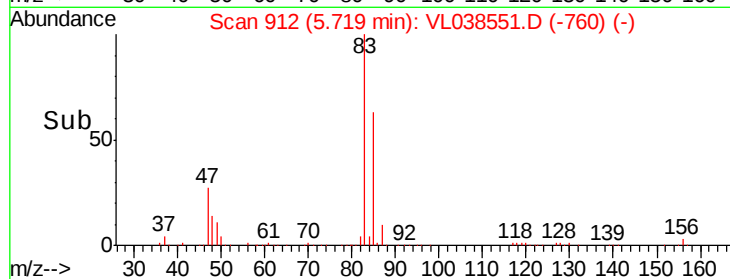
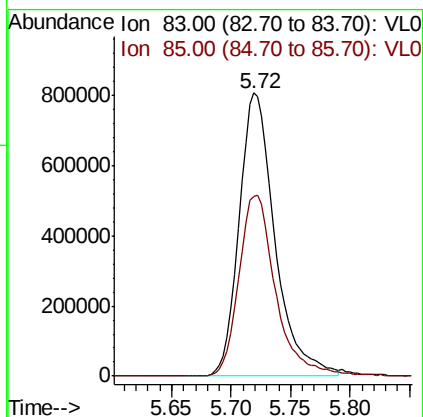
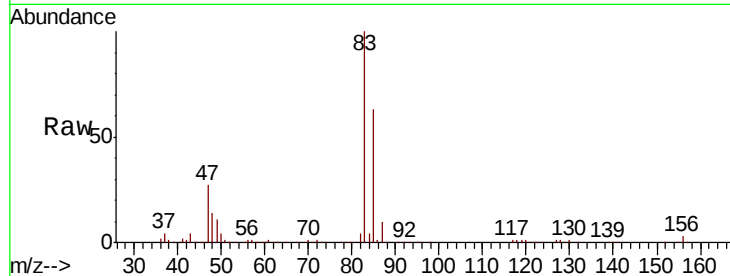
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





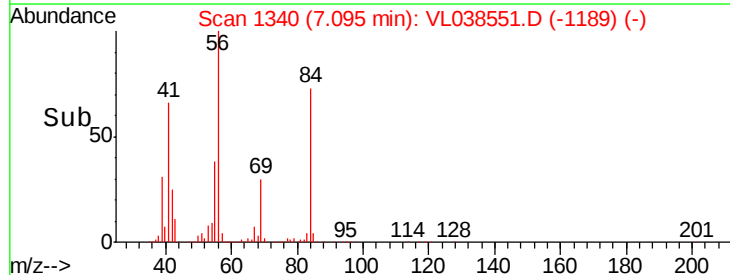
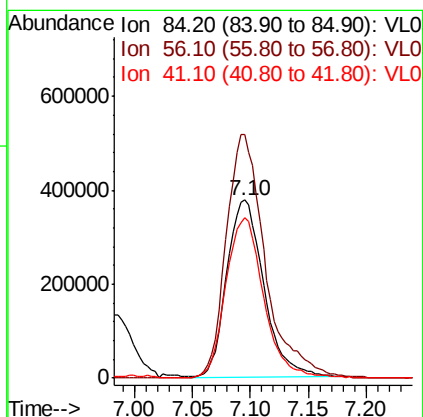
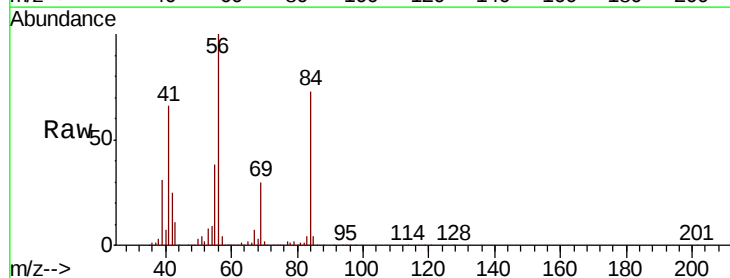
#29
Chloroform
Concen: 10.374 ppbv
RT: 5.72
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Mar 2022 1:45

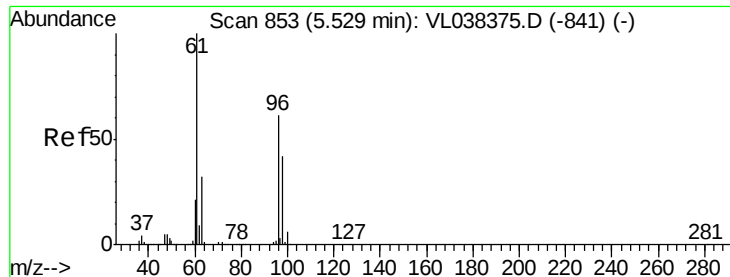
Tot Ion: 83 Resp: 1683802
Ion Ratio Lower Upper
83 100
85 63.1 51.6 77.4



#30
Cyclohexane
Concen: 10.266 ppbv
RT: 7.10 min Scan# 1340
Delta R.T. -0.02 min
Lab File: VL038551.D
Acq: 5 Mar 2022 1:45

Tgt Ion: 84 Resp: 834979
Ion Ratio Lower Upper
84 100
56 145.7 116.2 174.4
41 92.7 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 10.604 ppbv

RT: 5.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Mar 2022 1:45

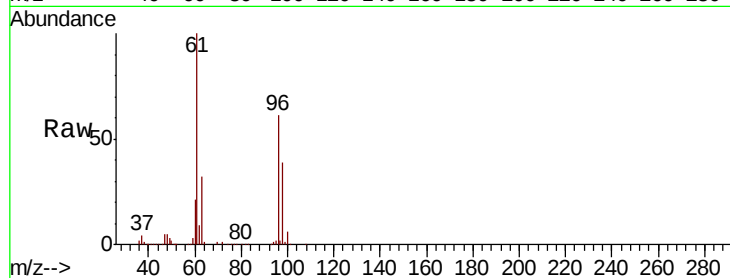
Tot Ion: 61 Resp: 1021614

Ion Ratio Lower Upper

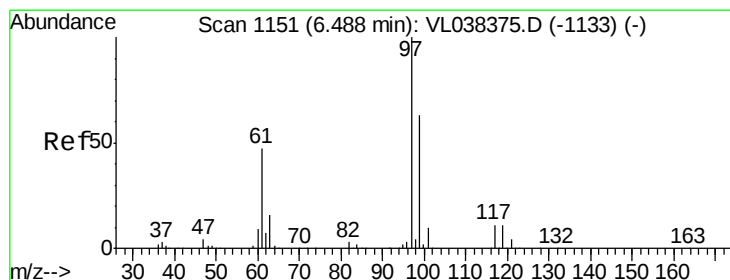
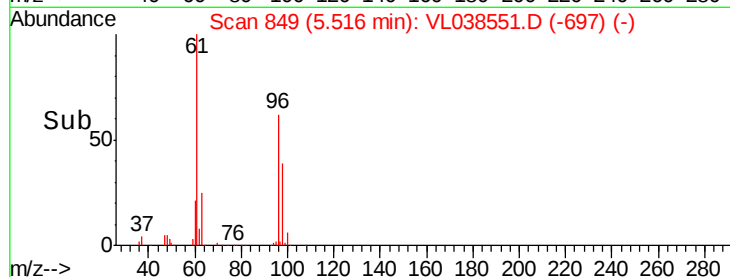
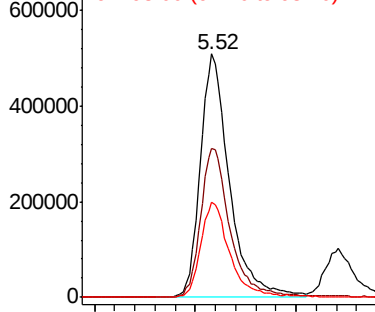
61 100

96 61.1 48.6 73.0

98 39.0 33.2 49.8



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: 10.171 ppbv

RT: 6.47 min Scan# 1147

Delta R.T. -0.01 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

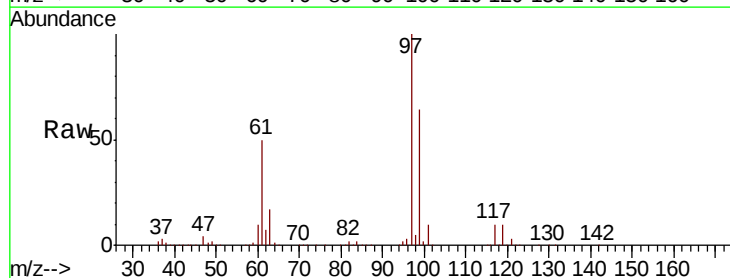
Tgt Ion: 97 Resp: 1660088

Ion Ratio Lower Upper

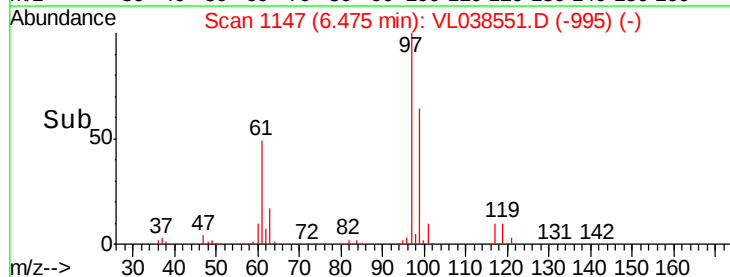
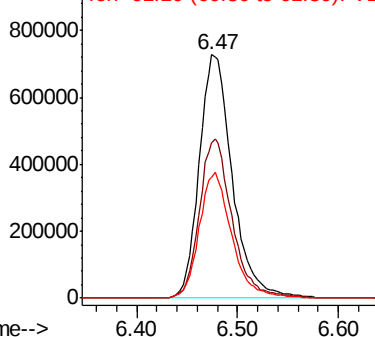
97 100

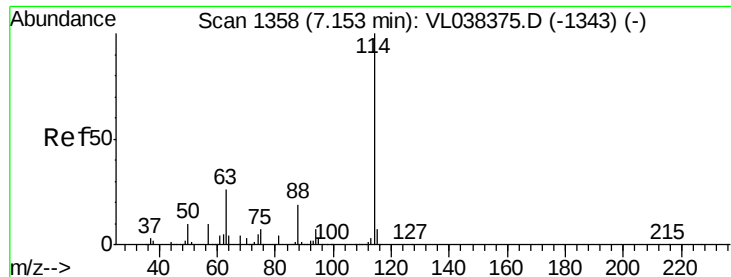
99 64.7 51.9 77.9

61 50.9 40.5 60.7



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: 7.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Mar 2022 1:45

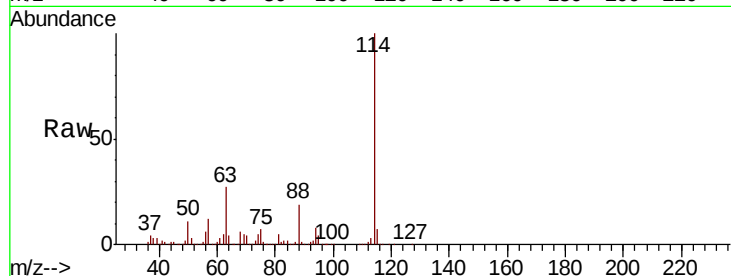
Tot Ion:114 Resp: 2232651

Ion Ratio Lower Upper

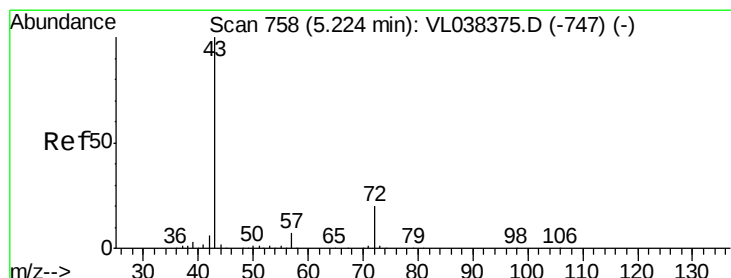
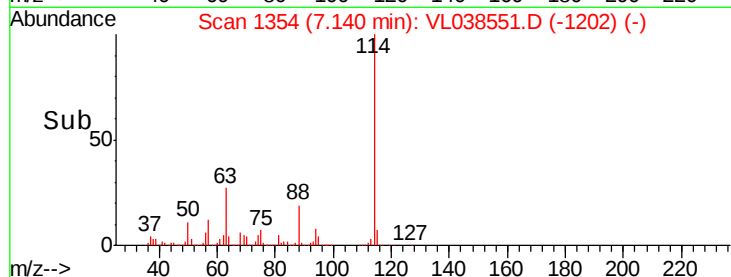
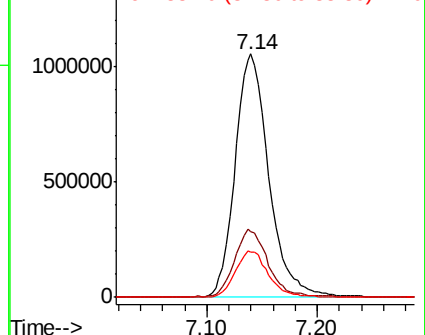
114 100

63 28.2 22.2 33.2

88 18.9 15.2 22.8



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: 11.329 ppbv

RT: 5.21 min Scan# 754

Delta R.T. -0.01 min

Lab File: VL038551.D

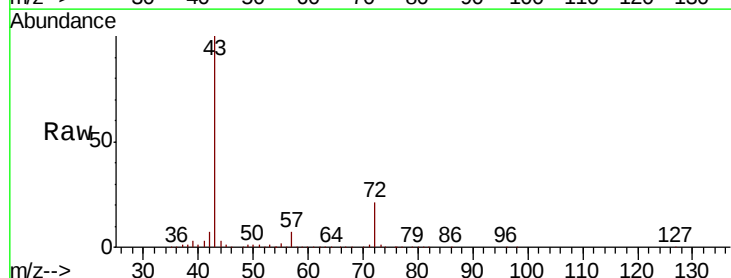
Acq: 5 Mar 2022 1:45

Tgt Ion: 43 Resp: 795541

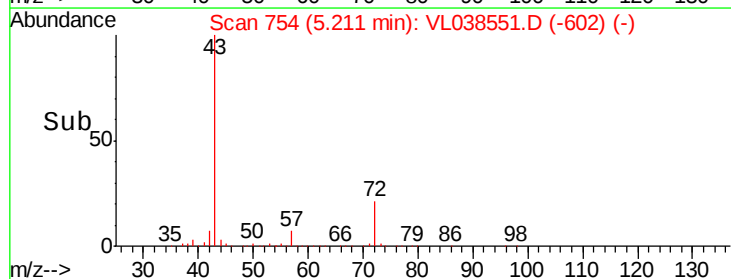
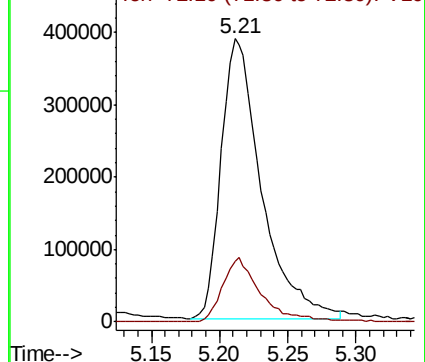
Ion Ratio Lower Upper

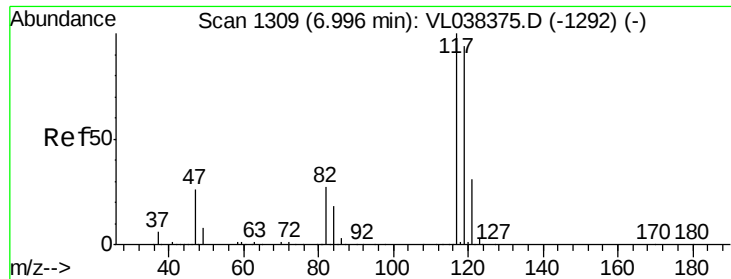
43 100

72 22.3 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.203 ppbv

RT: 6.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Mar 2022 1:45

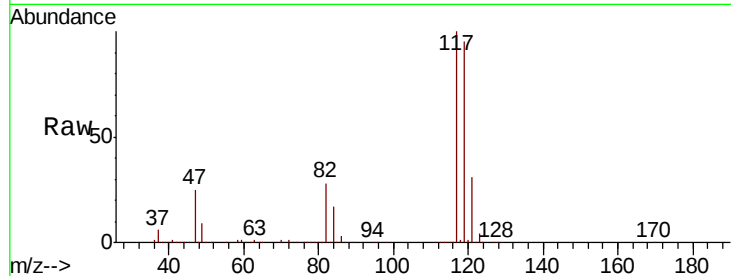
Tot Ion:117 Resp: 1758778

Ion Ratio Lower Upper

117 100

119 95.3 74.9 112.3

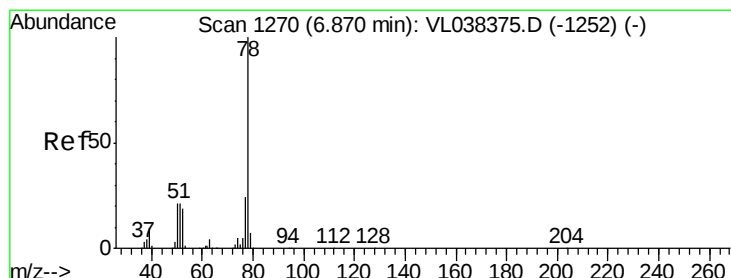
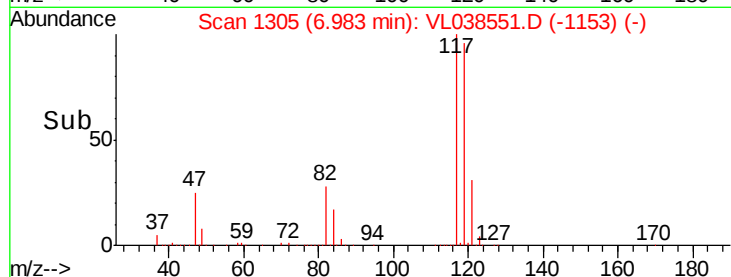
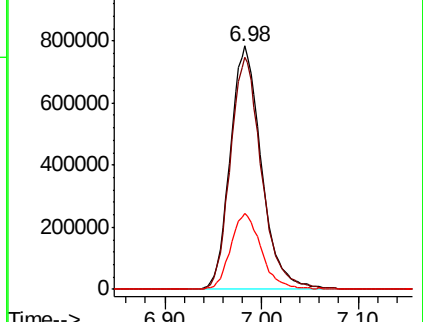
121 31.0 24.8 37.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.584 ppbv

RT: 6.85 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

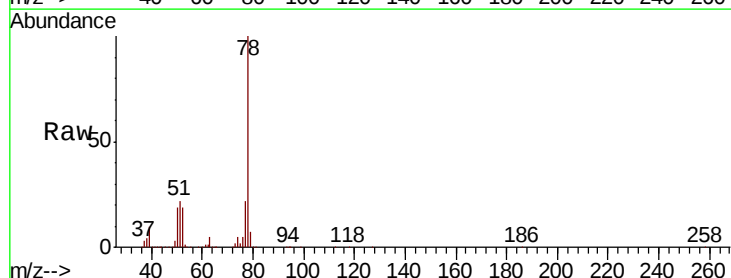
Tgt Ion: 78 Resp: 2080204

Ion Ratio Lower Upper

78 100

77 22.4 19.0 28.6

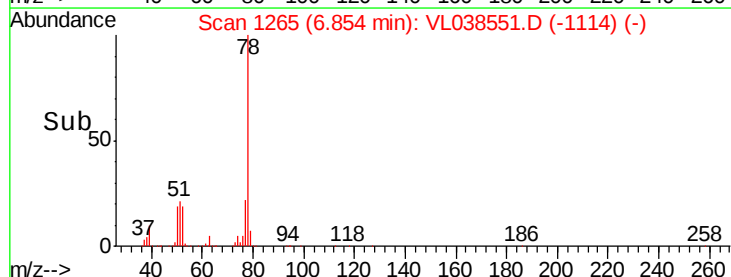
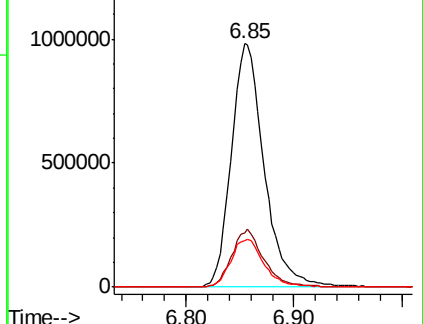
50 19.1 16.6 24.8

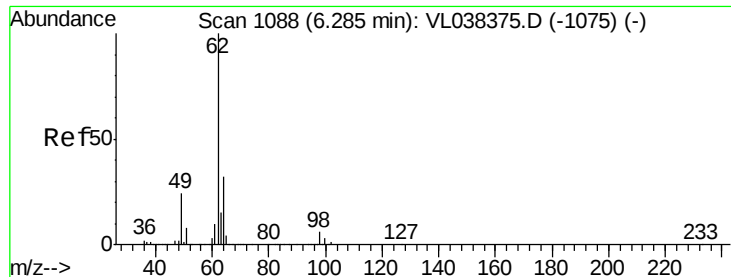


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 11.266 ppbv

RT: 6.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

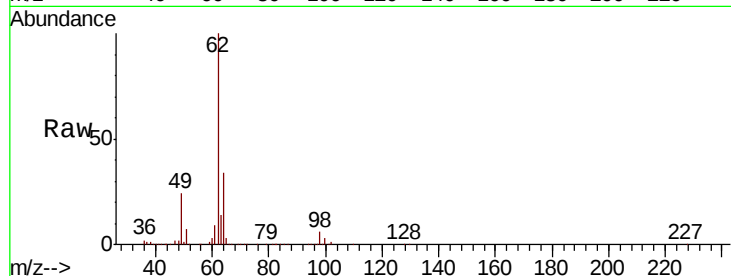
Acq: 5 Mar 2022 1:45

Tot Ion: 62 Resp: 1279565

Ion Ratio Lower Upper

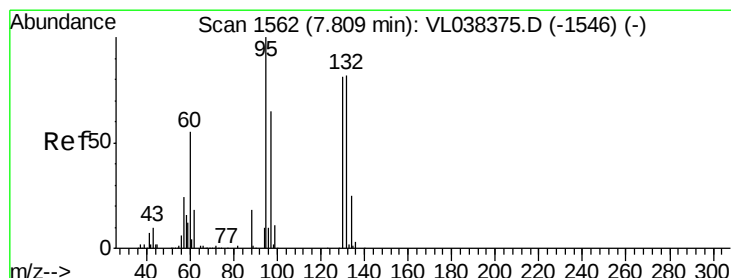
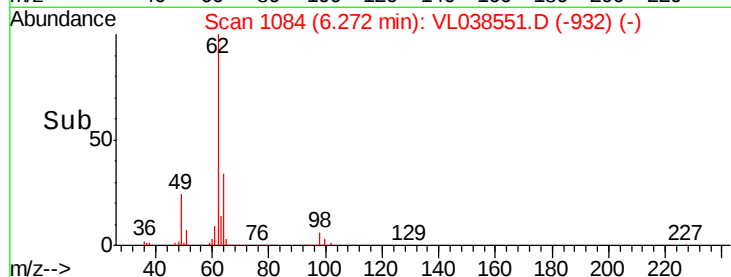
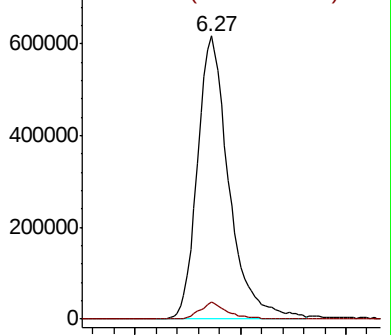
62 100

98 5.5 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.432 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.01 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

Tgt Ion:130 Resp: 746826

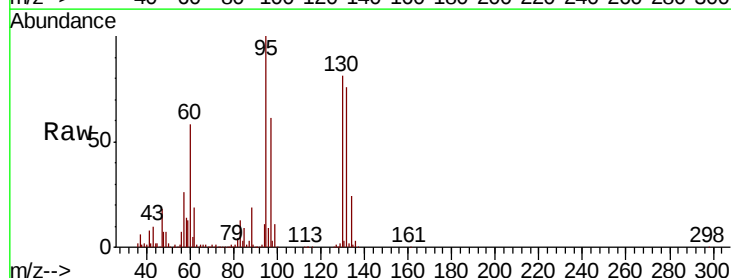
Ion Ratio Lower Upper

130 100

95 123.8 98.1 147.1

132 94.7 80.3 120.5

97 75.6 63.5 95.3

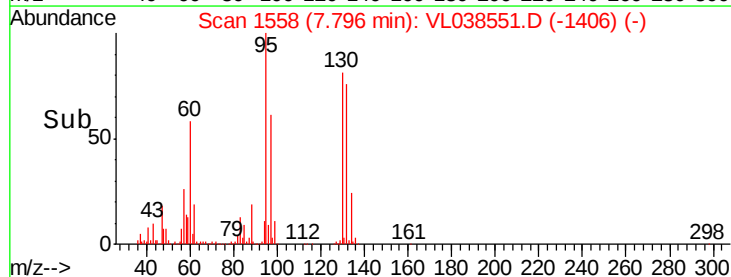
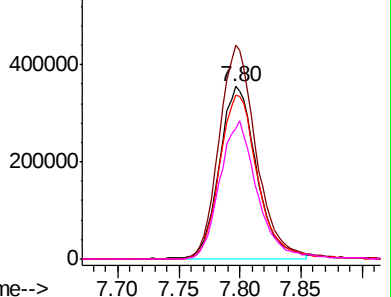


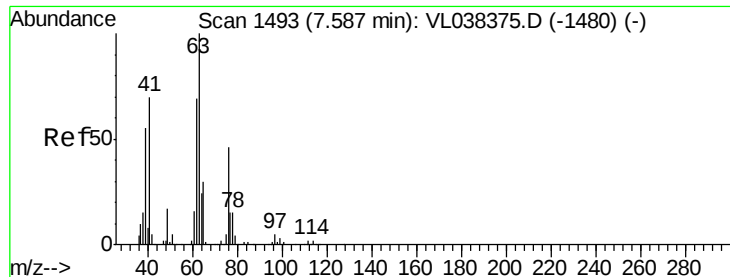
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.663 ppbv

RT: 7.58 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Mar 2022 1:45

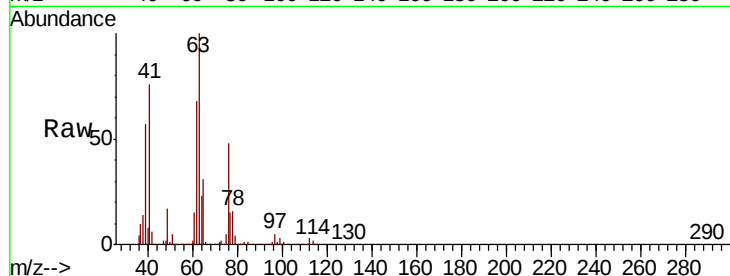
Tot Ion: 63 Resp: 834749

Ion Ratio Lower Upper

63 100

41 75.8 56.1 84.1

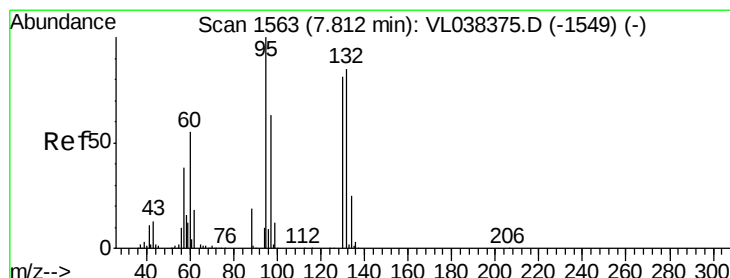
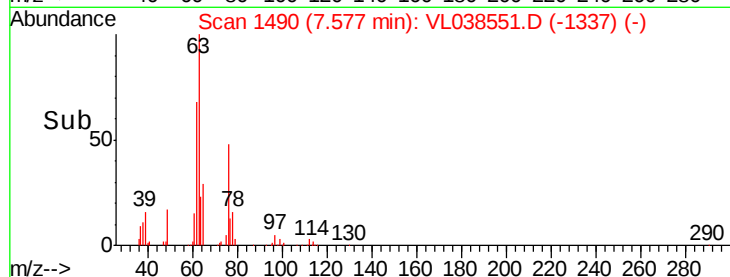
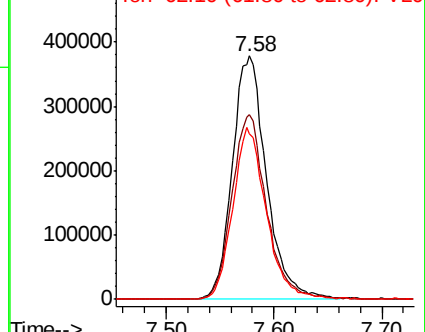
62 67.7 55.5 83.3



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.849 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. -0.02 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

Tgt Ion: 88 Resp: 182884

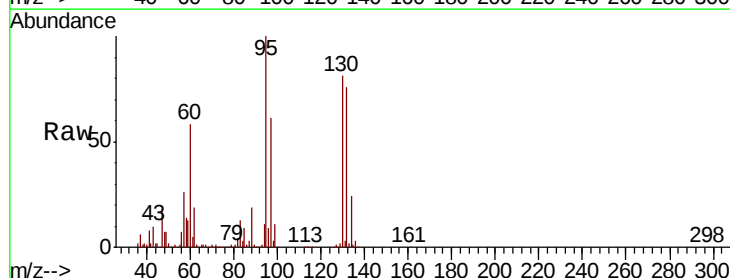
Ion Ratio Lower Upper

88 100

58 176.0 133.2 199.8

43 438.6 330.6 496.0

57 1988.8 1462.7 2194.1

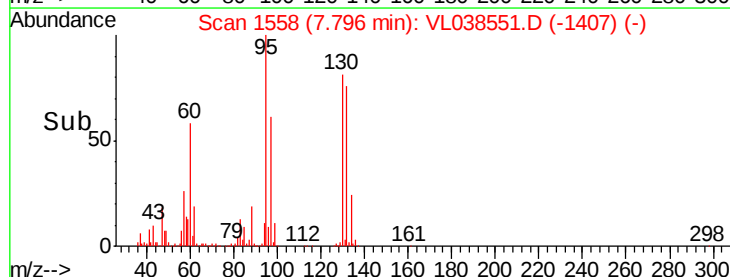
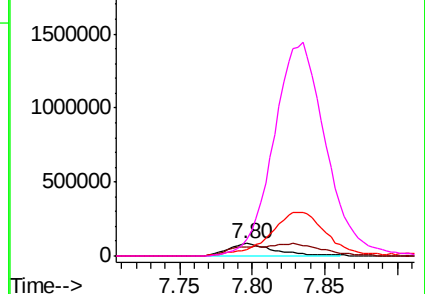


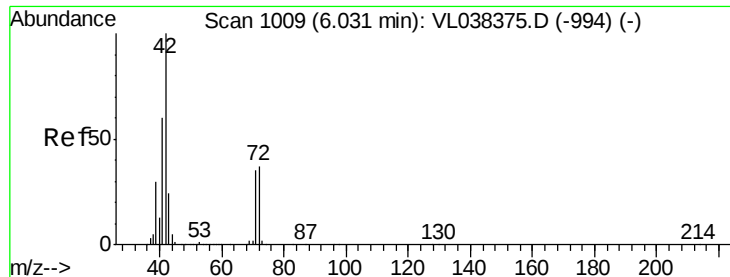
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

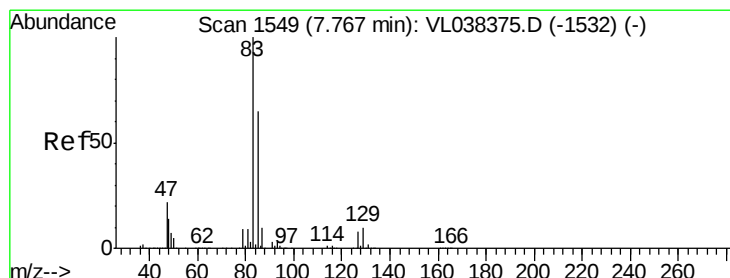
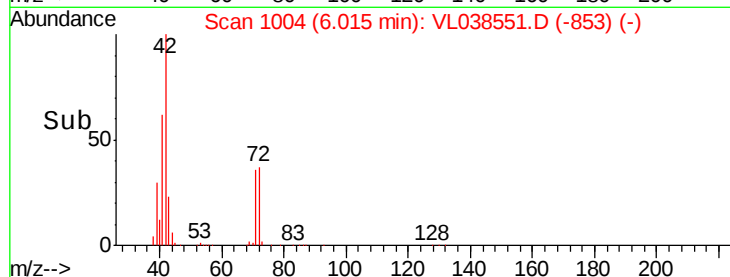
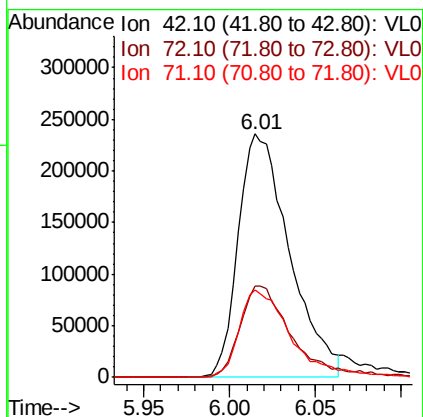
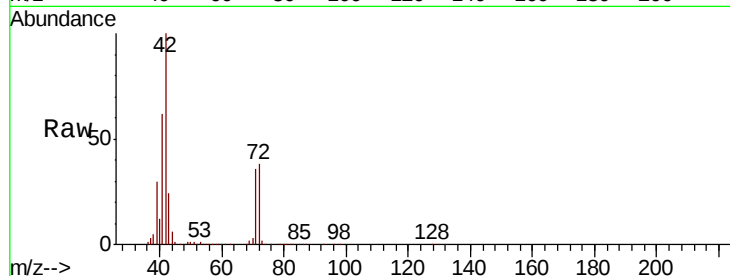
Ion 57.10 (56.80 to 57.80): VL0





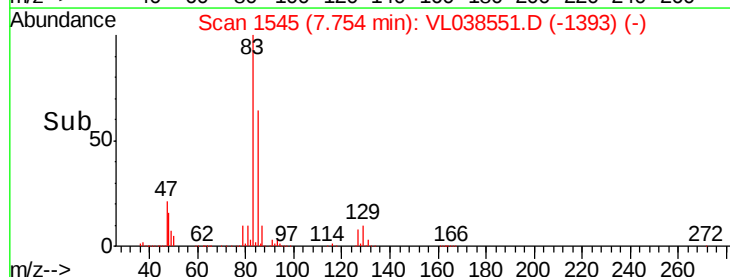
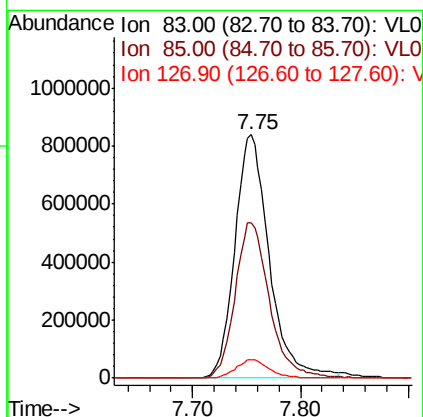
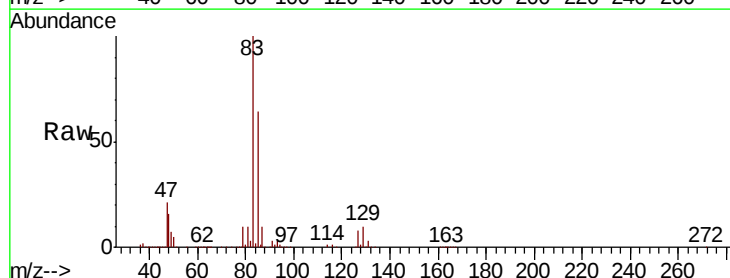
#41
Tetrahydrofuran
Concen: 10.326 ppbv
RT: 6.01 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 Mar 2022 1:45

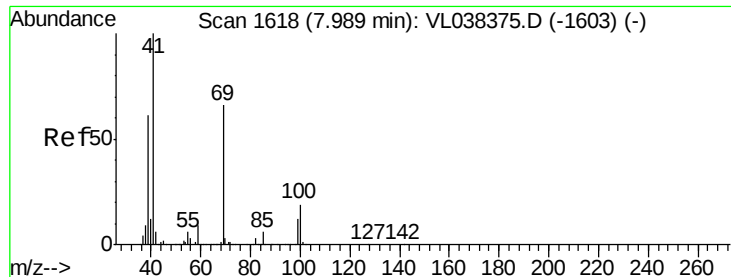
Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	29.9	44.9
71	36.8	28.6	42.8



#42
Bromodichloromethane
Concen: 11.331 ppbv
RT: 7.75 min Scan# 1545
Delta R.T.: -0.01 min
Lab File: VL038551.D
Acq: 5 Mar 2022 1:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4
127	7.7	6.2	9.4





#43

Methyl Methacrylate

Concen: 11.504 ppbv

RT: 7.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Mar 2022 1:45

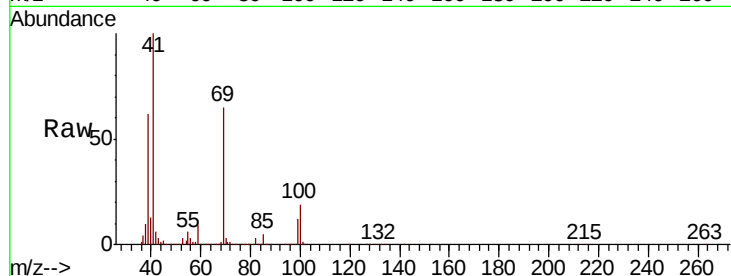
Tot Ion: 69 Resp: 786015

Ion Ratio Lower Upper

69 100

41 154.2 122.9 184.3

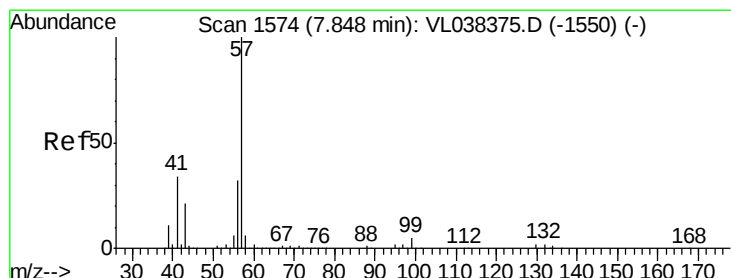
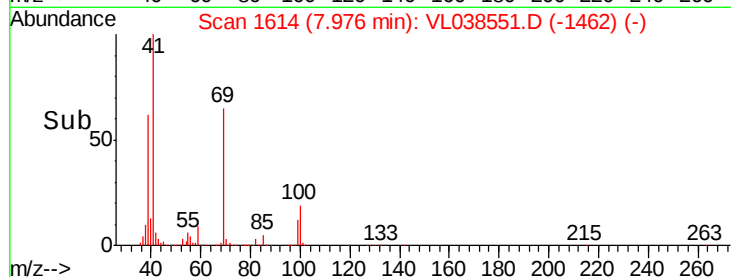
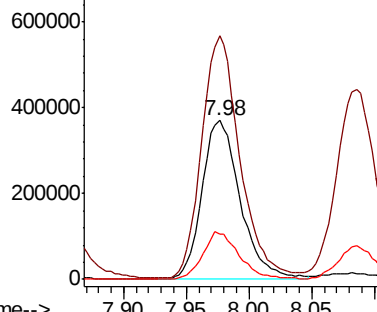
100 28.5 23.6 35.4



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.749 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

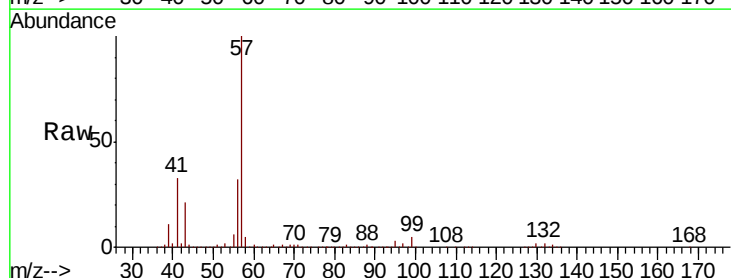
Tgt Ion: 57 Resp: 3631180

Ion Ratio Lower Upper

57 100

41 33.9 26.6 39.8

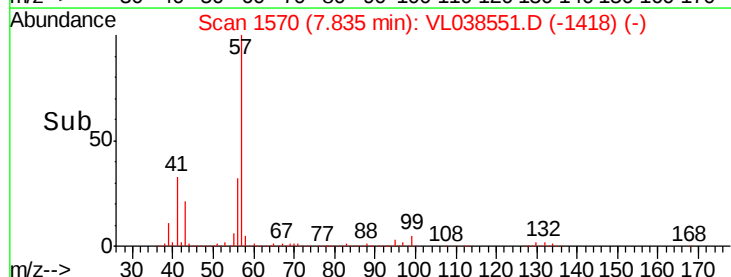
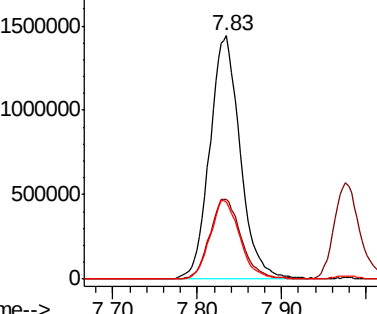
56 31.8 25.0 37.6

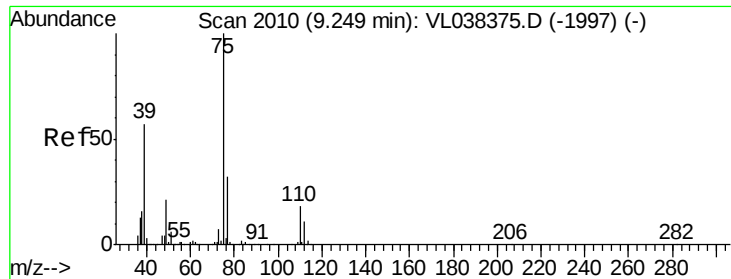


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 10.996 ppbv

RT: 9.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

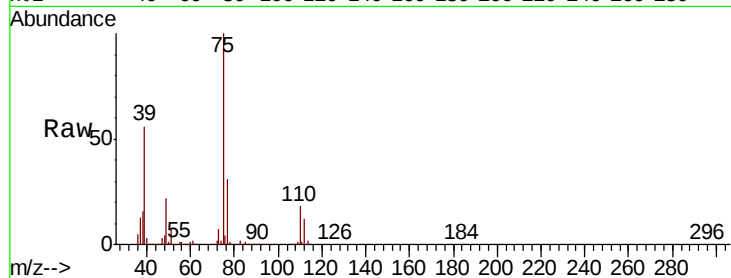
Acq: 5 Mar 2022 1:45

Tot Ion: 75 Resp: 600449

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.24

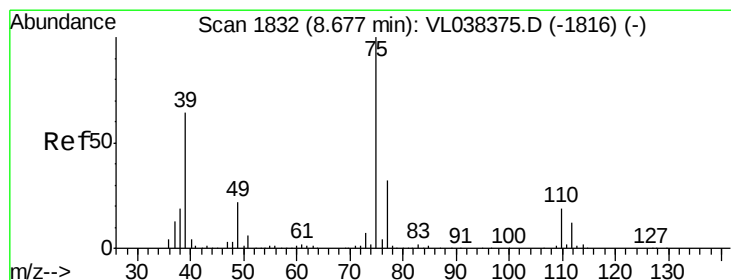
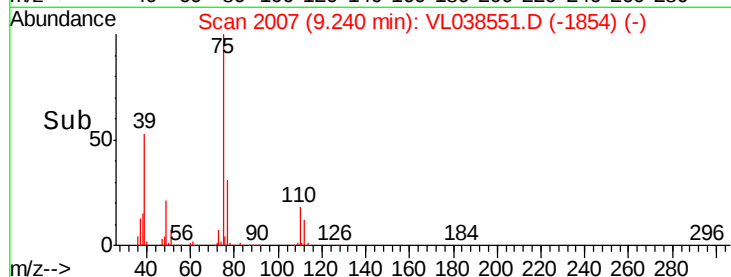
300000

200000

100000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.514 ppbv

RT: 8.66 min Scan# 1828

Delta R.T. -0.01 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

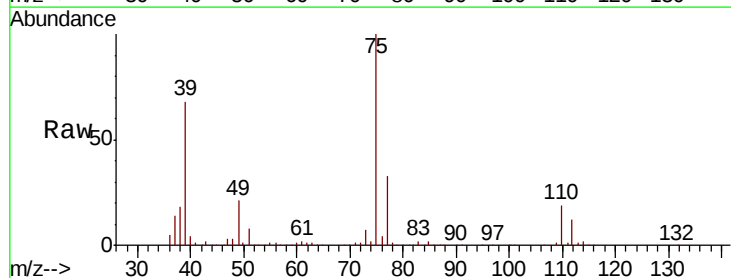
Tgt Ion: 75 Resp: 752507

Ion Ratio Lower Upper

75 100

39 67.6 51.4 77.2

77 32.5 25.4 38.2



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

500000

400000

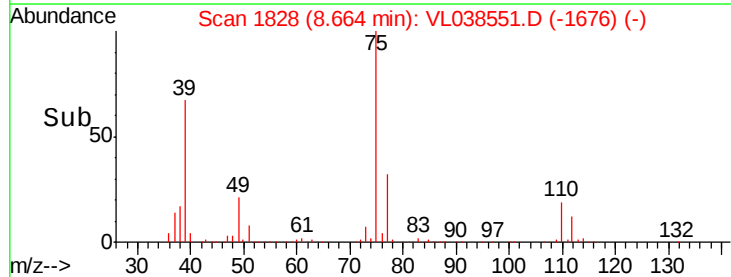
300000

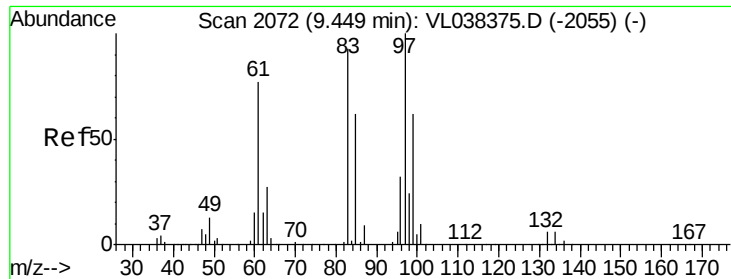
200000

100000

0

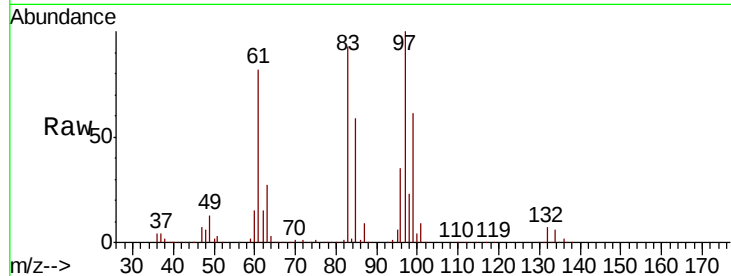
Time-->



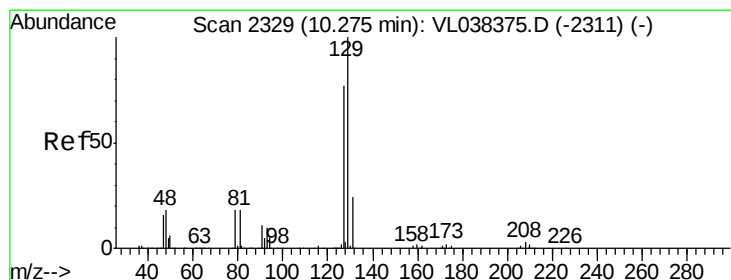
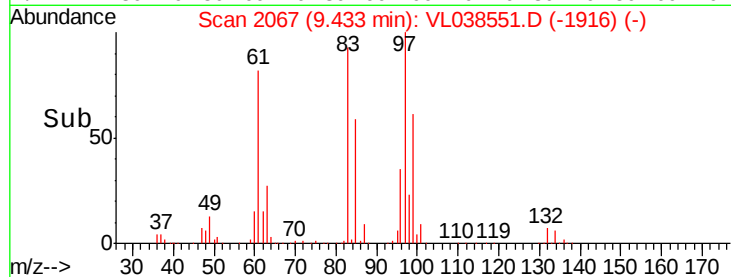
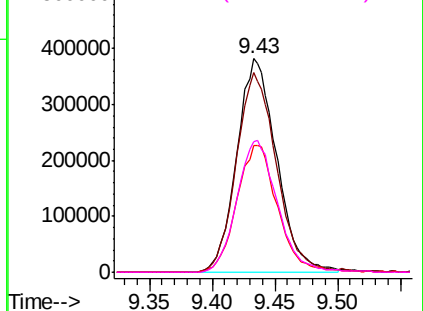


#47
 1,1,2-Trichloroethane
 Concen: 10.843 ppbv
 RT: 9.43
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Mar 2022 1:45

Tot Ion:	97	Resp:	844565
Ion	Ratio	Lower	Upper
97	100		
83	93.2	74.2	111.4
85	59.4	49.8	74.8
99	61.2	49.5	74.3

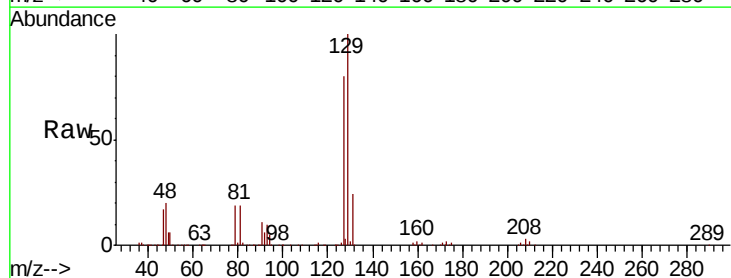


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

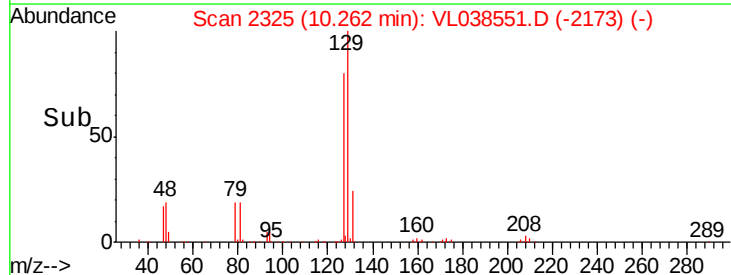
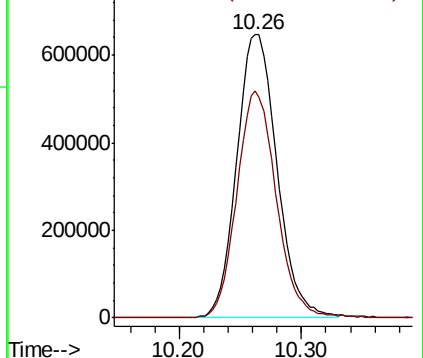


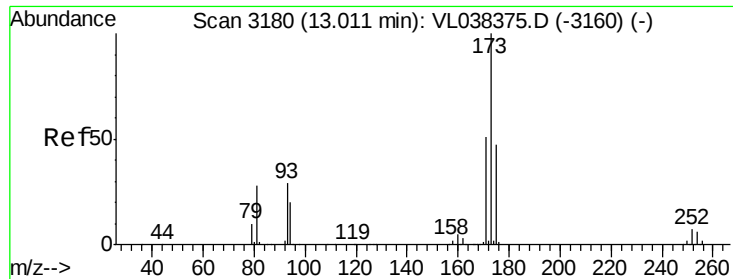
#48
 Dibromochloromethane
 Concen: 11.583 ppbv
 RT: 10.26 min Scan# 2325
 Delta R.T. -0.01 min
 Lab File: VL038551.D
 Acq: 5 Mar 2022 1:45

Tgt Ion:	129	Resp:	1475190
Ion	Ratio	Lower	Upper
129	100		
127	79.0	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: 12.515 ppbv

RT: 13.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Mar 2022 1:45

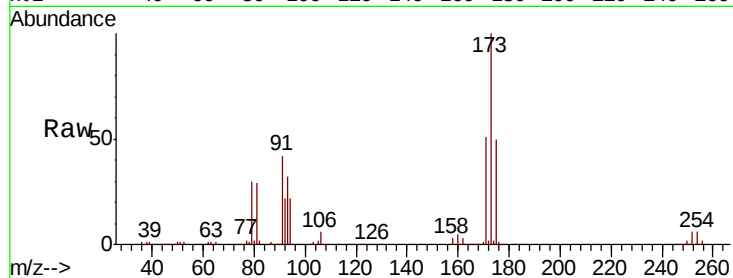
Tot Ion:173 Resp: 1176514

Ion Ratio Lower Upper

173 100

175 49.1 40.2 60.2

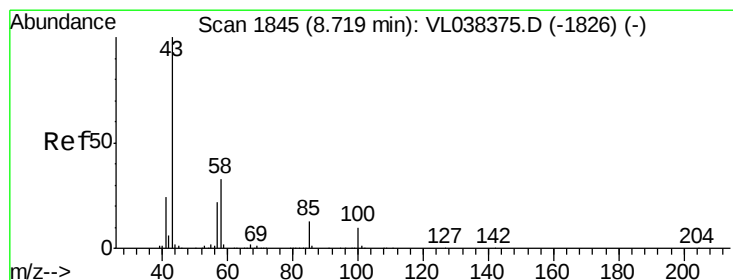
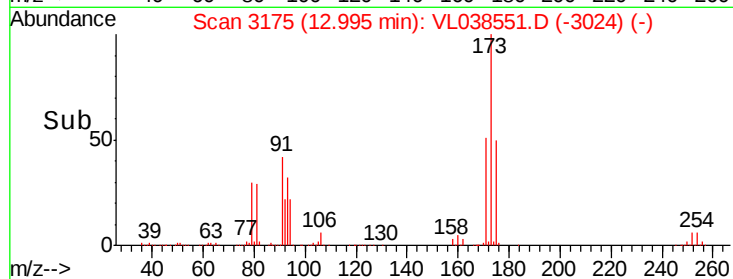
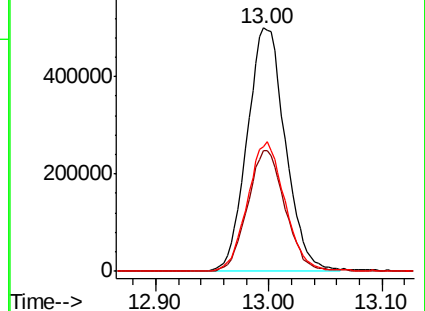
171 52.2 42.7 64.1



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.839 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.02 min

Lab File: VL038551.D

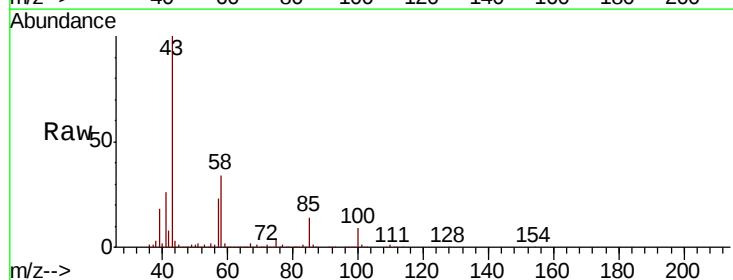
Acq: 5 Mar 2022 1:45

Tgt Ion: 43 Resp: 1469750

Ion Ratio Lower Upper

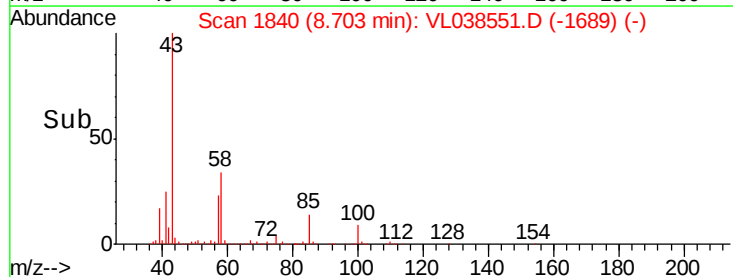
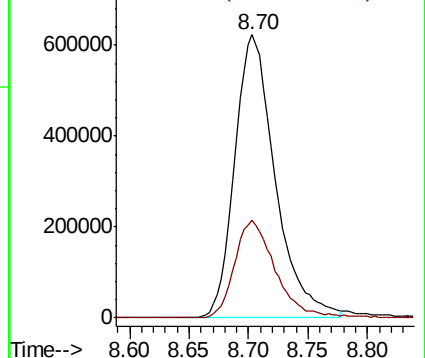
43 100

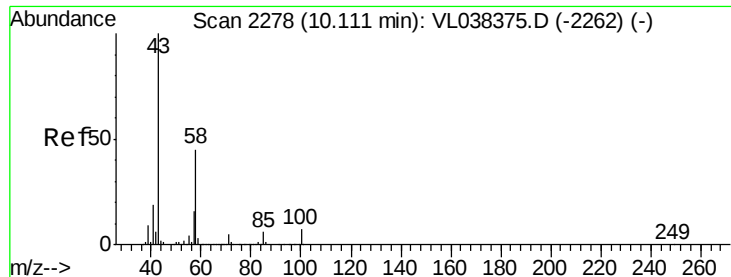
58 35.0 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

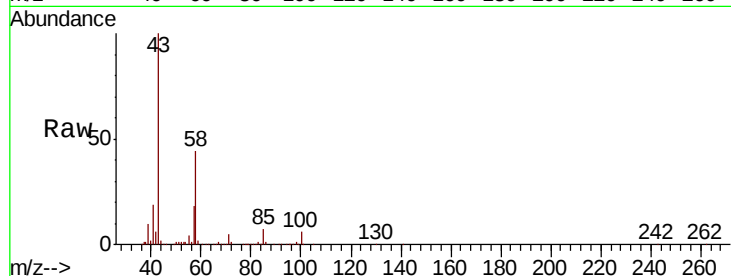
Ion 58.10 (57.80 to 58.80): VL0





#51
2-Hexanone
Concen: 11.933 ppbv
RT: 10.10 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Mar 2022 1:45

Tot Ion	Ratio	Lower	Upper
43	100		
58	45.6	37.4	56.0
98	0.8	0.1	0.1#

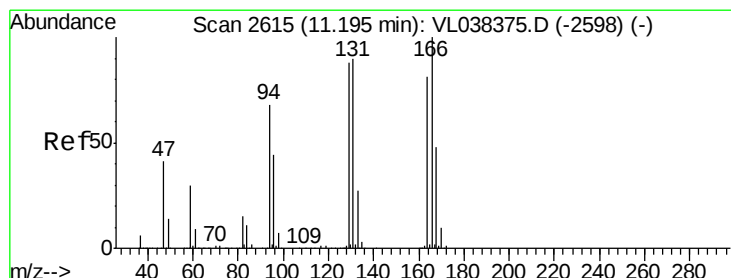
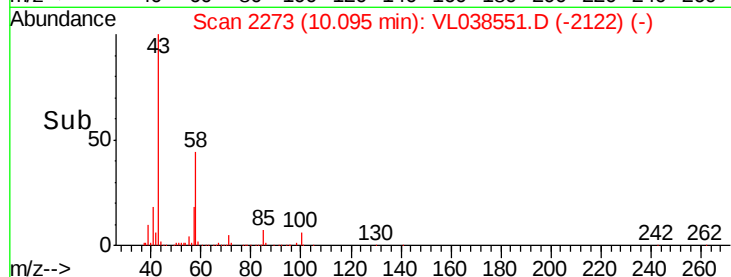
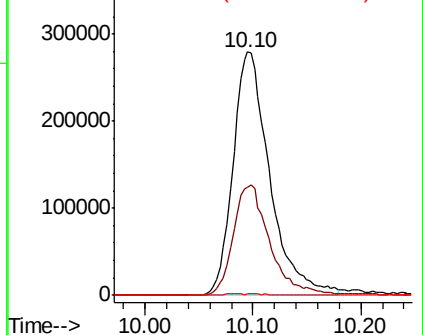


Abundance

Ion 43.10 (42.80 to 43.80): VL0

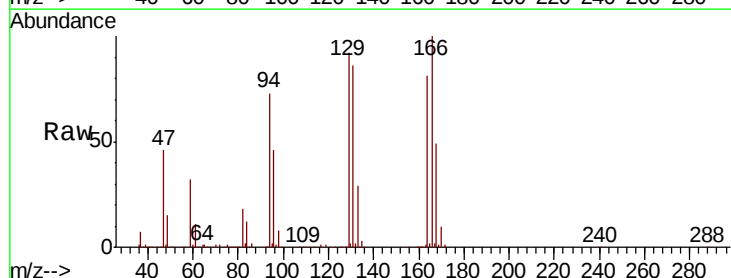
Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52
Tetrachloroethene
Concen: 10.129 ppbv
RT: 11.18 min Scan# 2611
Delta R.T. -0.01 min
Lab File: VL038551.D
Acq: 5 Mar 2022 1:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.1	98.6	148.0
129	113.8	86.9	130.3
131	105.9	88.6	133.0



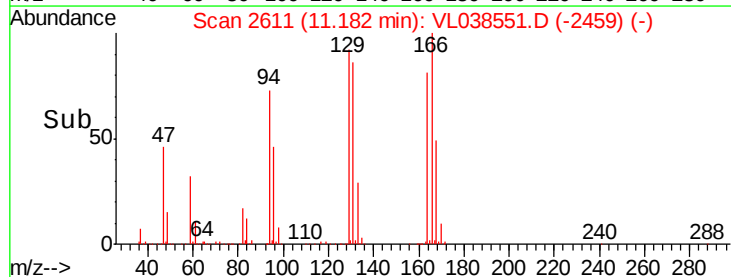
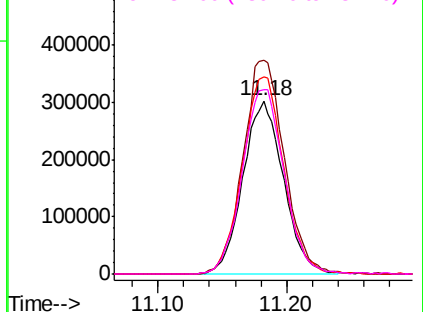
Abundance

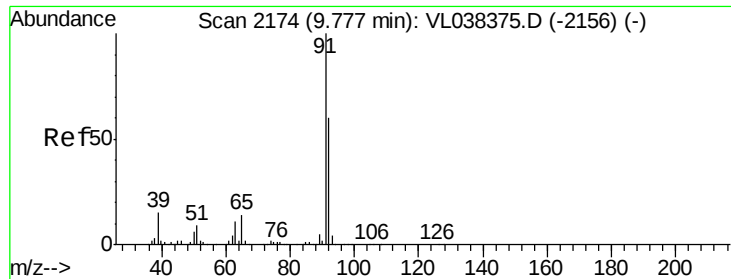
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.118 ppbv

RT: 9.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

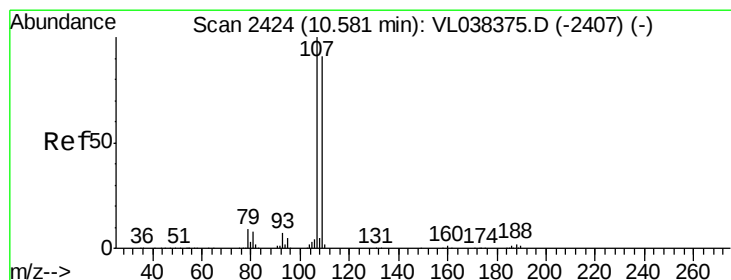
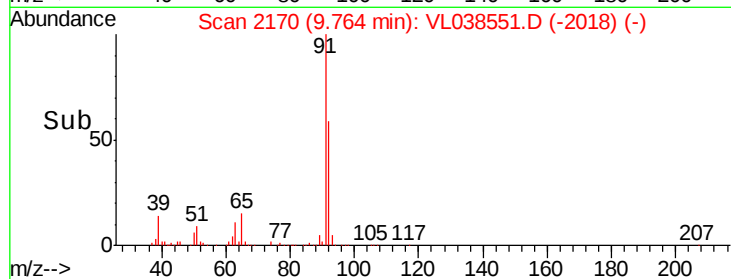
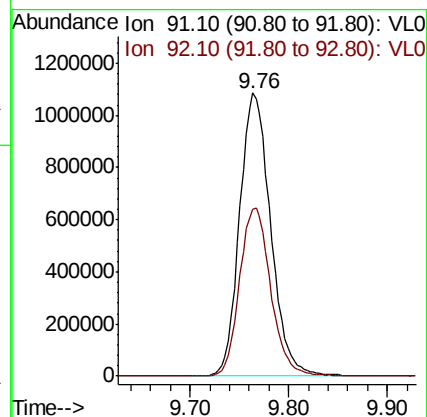
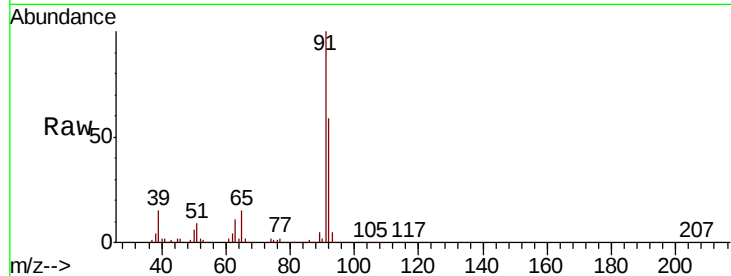
Acq: 5 Mar 2022 1:45

Tot Ion: 91 Resp: 2372607

Ion Ratio Lower Upper

91 100

92 60.0 48.2 72.4



#54

1,2-Dibromoethane

Concen: 11.424 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.01 min

Lab File: VL038551.D

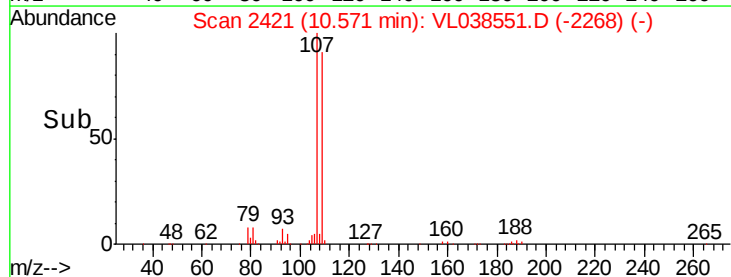
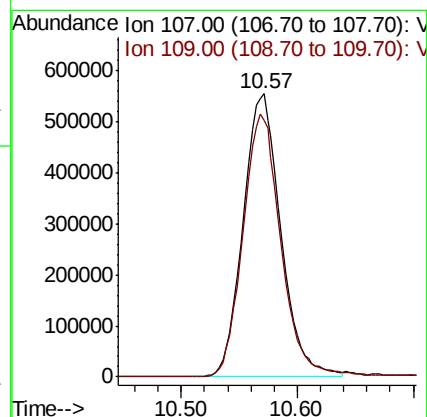
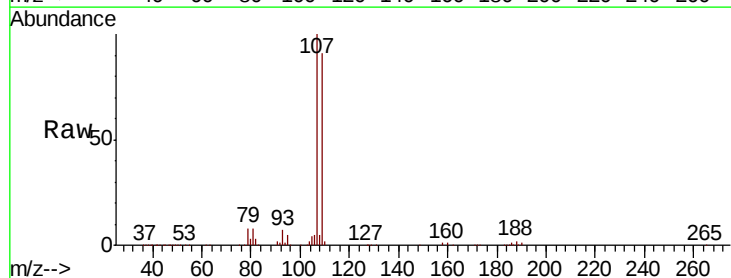
Acq: 5 Mar 2022 1:45

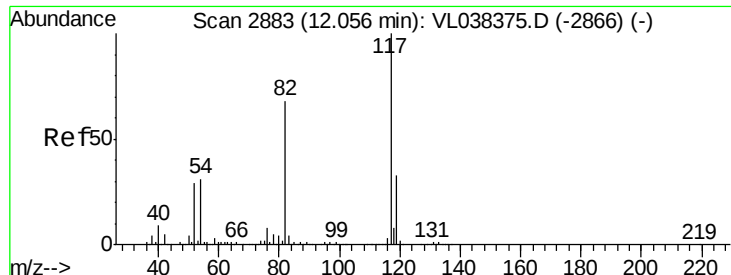
Tgt Ion: 107 Resp: 1252573

Ion Ratio Lower Upper

107 100

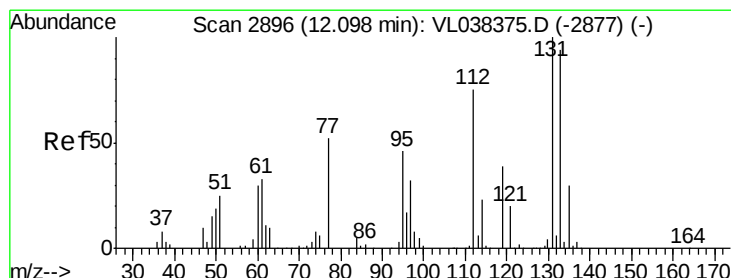
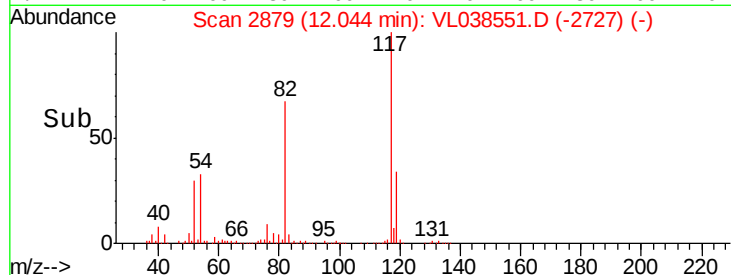
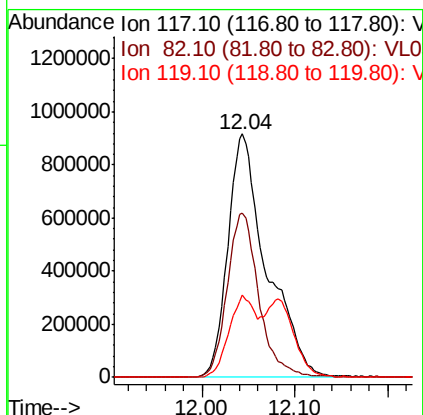
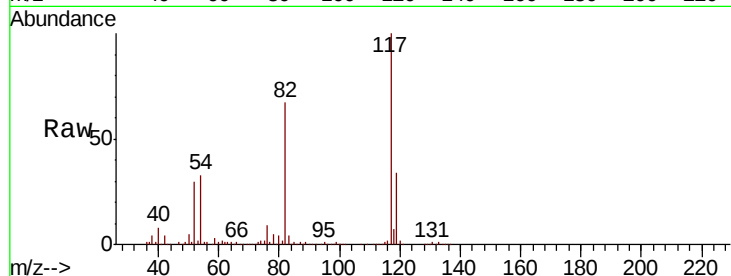
109 90.7 73.0 109.6





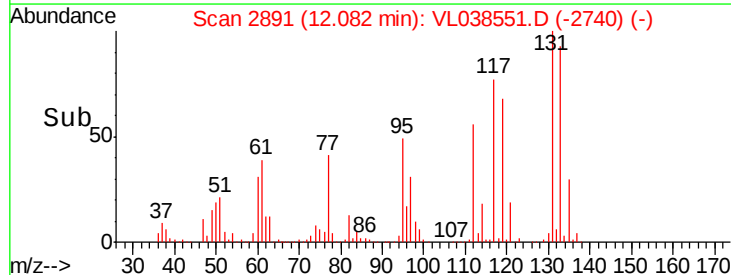
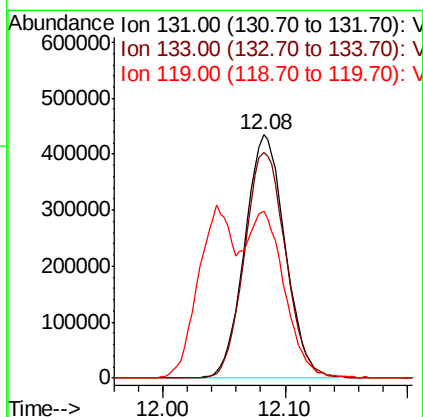
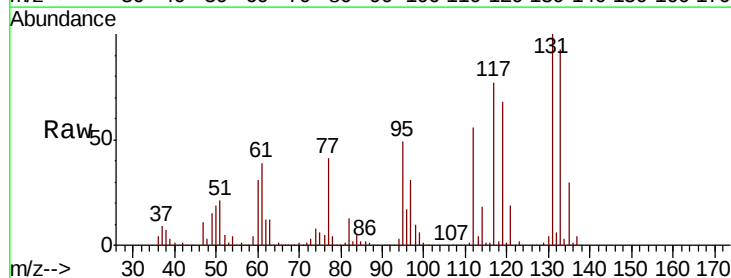
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.04 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 5 Mar 2022 1:45

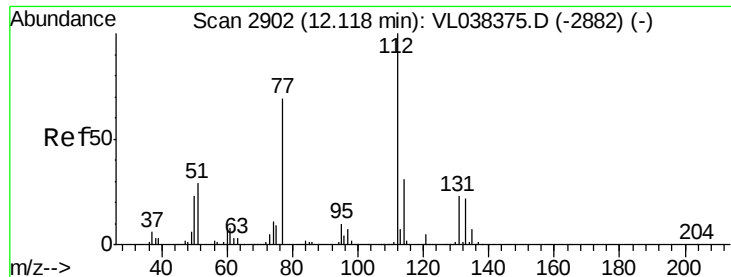
Tot Ion:117 Resp: 2668870
Ion Ratio Lower Upper
117 100
82 55.4 54.9 82.3
119 25.7 46.1 69.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.918 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.02 min
Lab File: VL038551.D
Acq: 5 Mar 2022 1:45

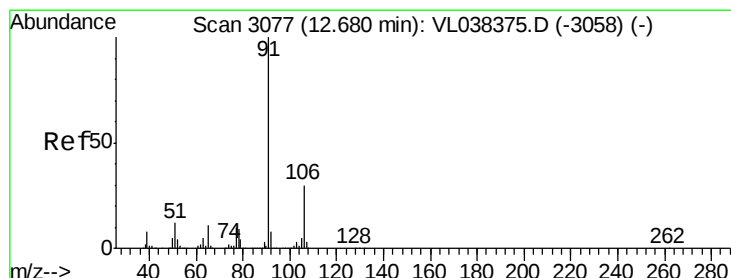
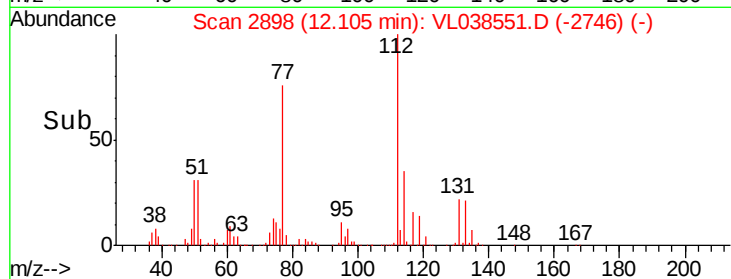
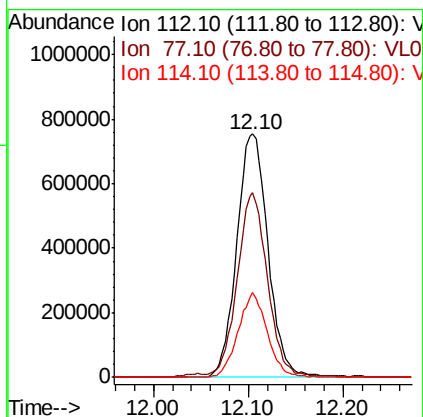
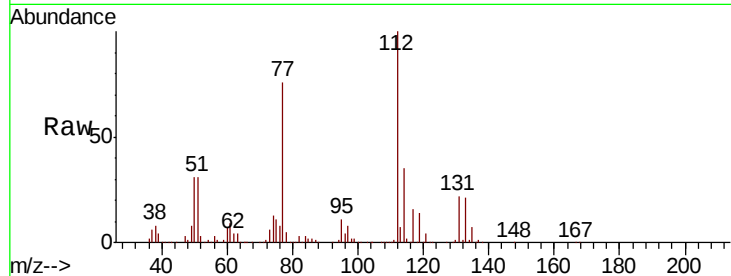
Tgt Ion:131 Resp: 992071
Ion Ratio Lower Upper
131 100
133 95.0 77.3 115.9
119 69.1 48.6 73.0





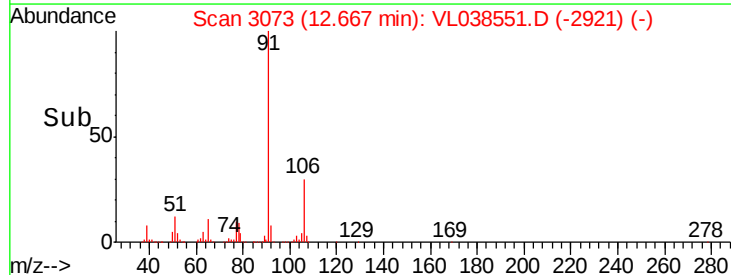
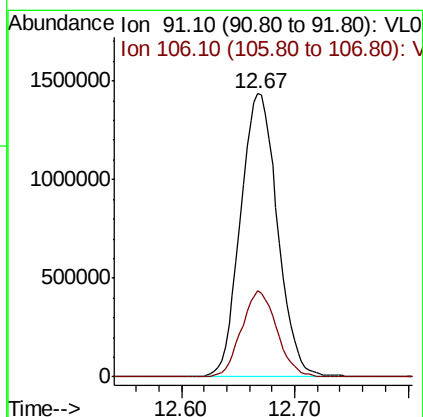
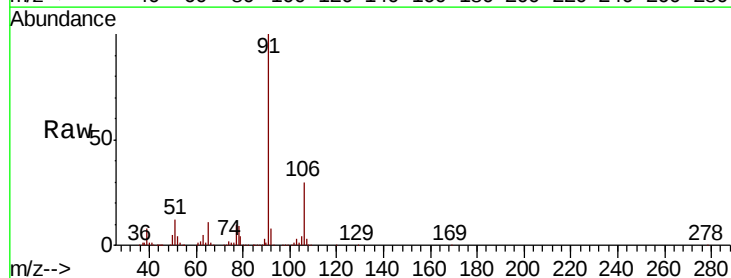
#57
Chlorobenzene
Concen: 8.401 ppbv
RT: 12.10 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Mar 2022 1:45

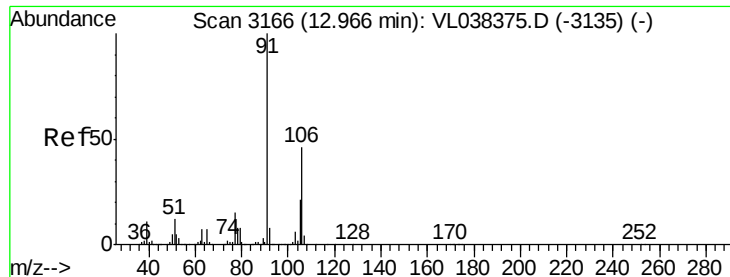
Tot Ion: 112 Resp: 1729913
Ion Ratio Lower Upper
112 100
77 75.3 55.2 82.8
114 34.9 27.9 34.1#



#58
Ethyl Benzene
Concen: 8.945 ppbv
RT: 12.67 min Scan# 3073
Delta R.T. -0.01 min
Lab File: VL038551.D
Acq: 5 Mar 2022 1:45

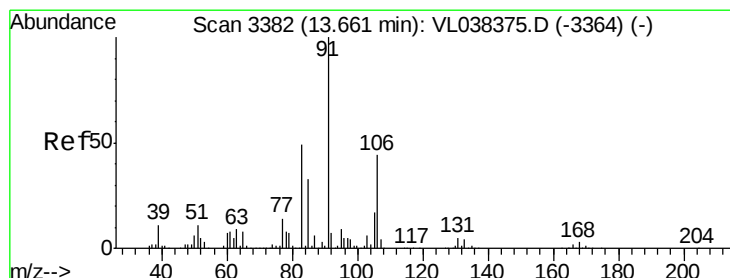
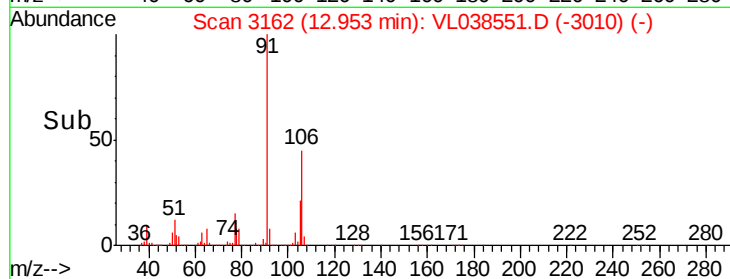
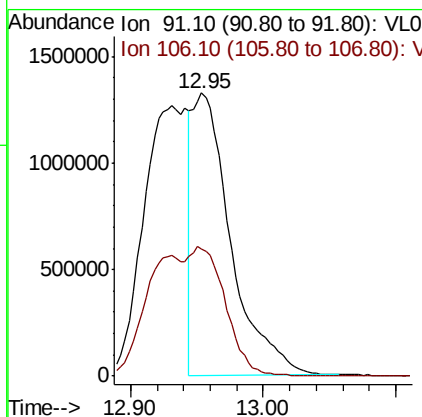
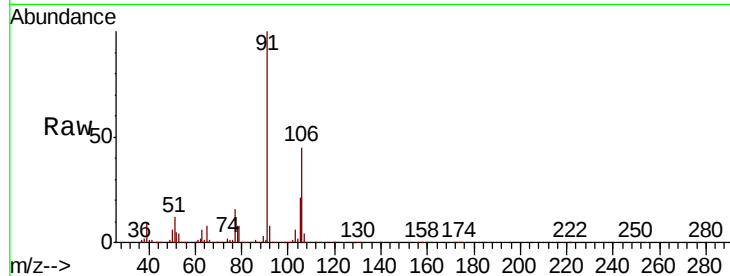
Tgt Ion: 91 Resp: 3264527
Ion Ratio Lower Upper
91 100
106 30.4 24.0 36.0





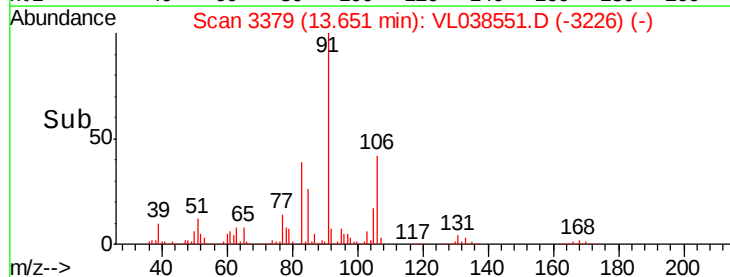
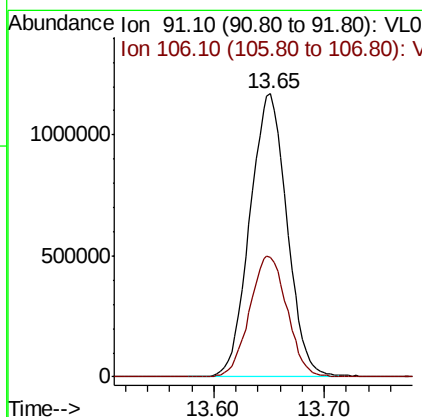
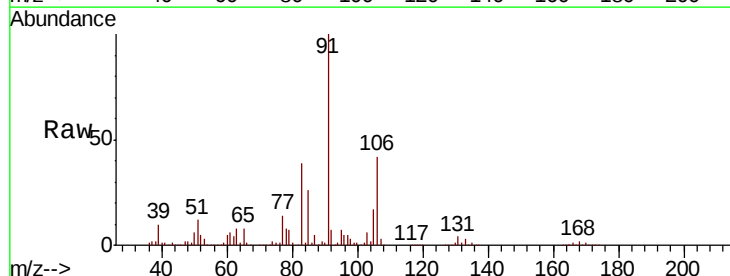
#59
m/p-Xylene
Concen: 8.460 ppbv
RT: 12.95 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Mar 2022 1:45

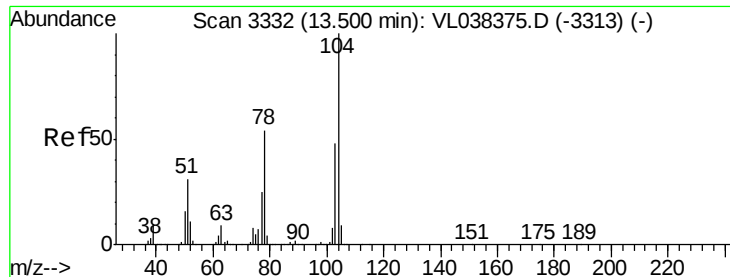
Tot Ion: 91 Resp: 2651544
Ion Ratio Lower Upper
91 100
106 88.7 34.4 51.6#



#60
o-Xylene
Concen: 9.189 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.01 min
Lab File: VL038551.D
Acq: 5 Mar 2022 1:45

Tgt Ion: 91 Resp: 2722695
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.5





#61

Stvrene

Concen: 9.777 ppbv

RT: 13.48

Delta R.T. MSVOA_L

Lab File:

Acq: 5 Mar 2022 1:45

Instrument :
ClientSampleId :

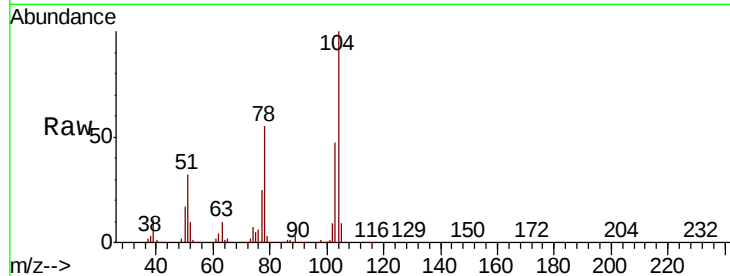
Tot Ion:104 Resp: 1336087

Ion Ratio Lower Upper

104 100

78 56.1 44.2 66.4

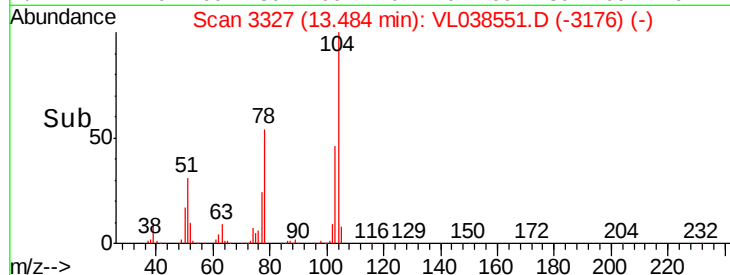
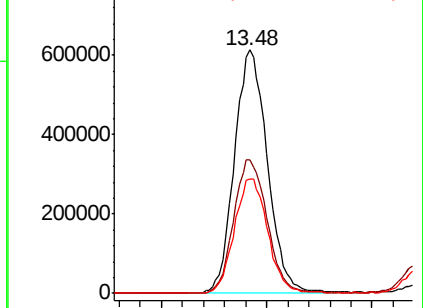
103 47.9 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.944 ppbv

RT: 14.63 min Scan# 3682

Delta R.T. -0.02 min

Lab File: VL038551.D

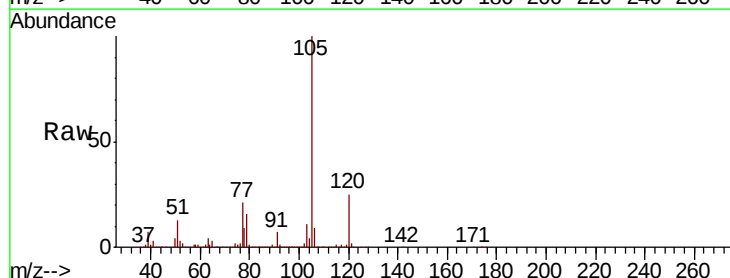
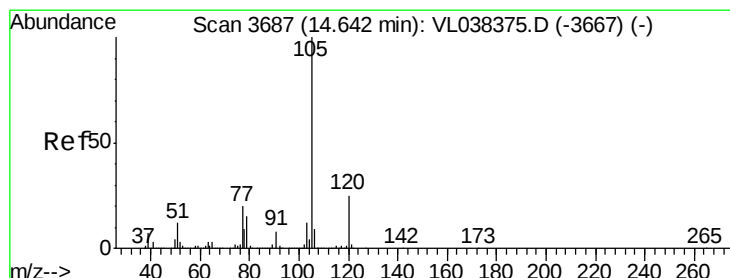
Acq: 5 Mar 2022 1:45

Tgt Ion:105 Resp: 3556728

Ion Ratio Lower Upper

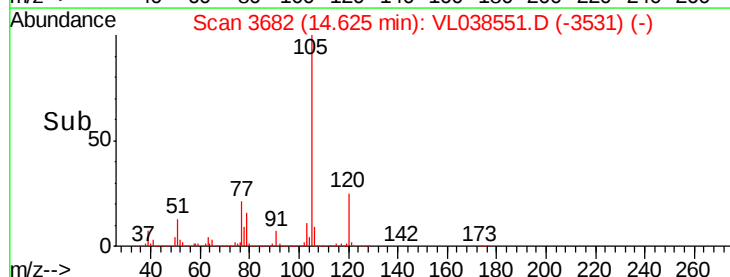
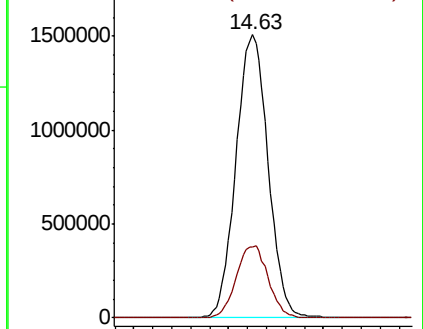
105 100

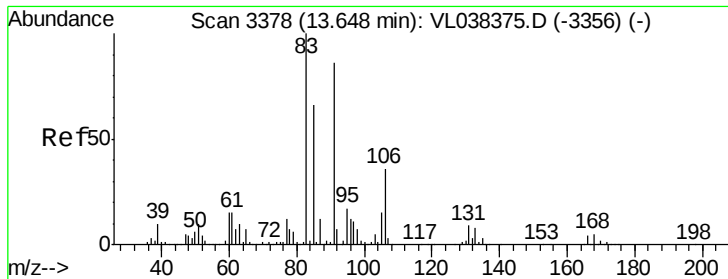
120 25.5 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

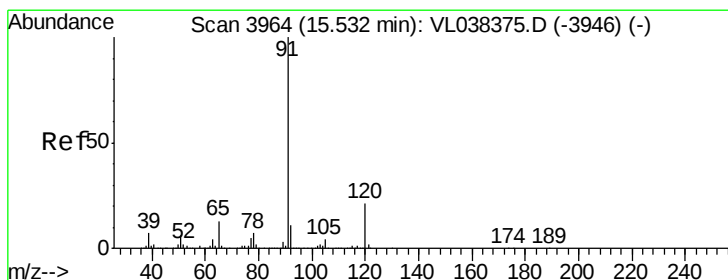
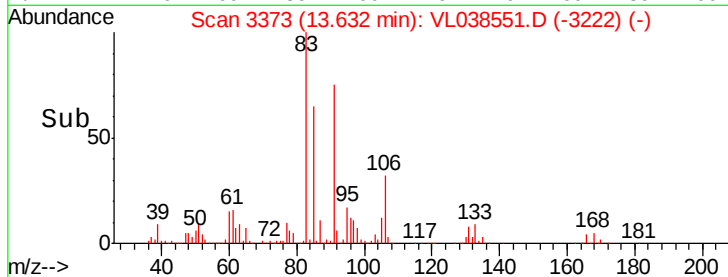
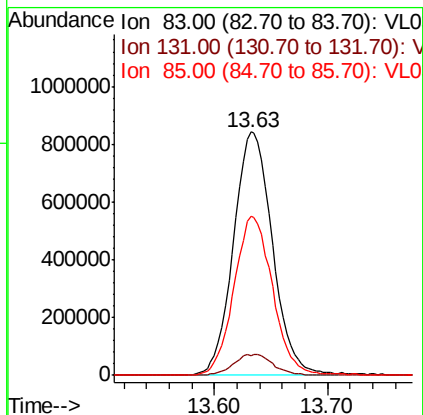
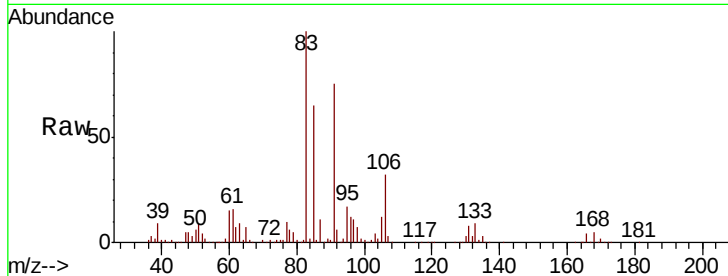




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.292 ppbv
 RT: 13.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Mar 2022 1:45

Tot Ion: 83 Resp: 1996185

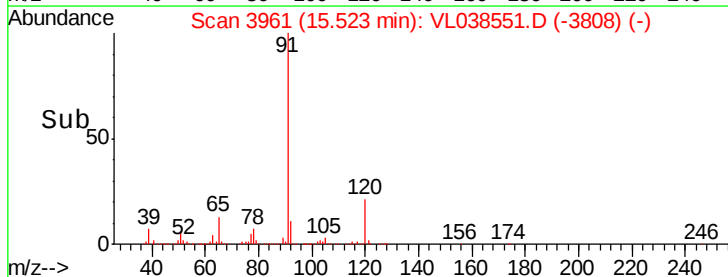
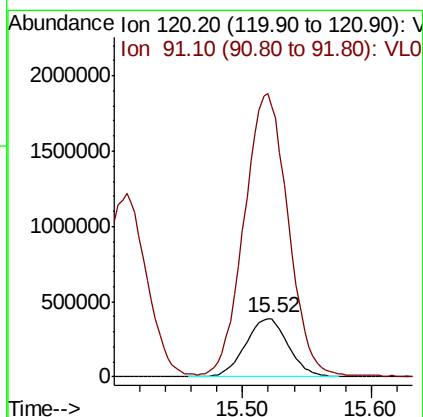
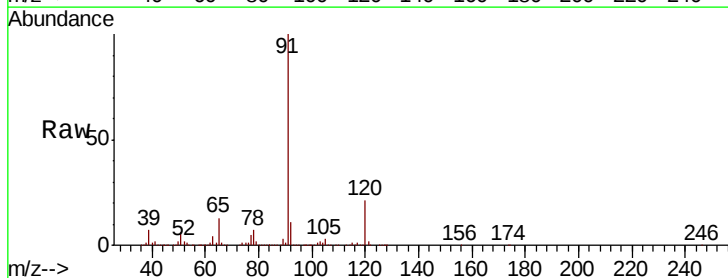
Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.7
85	66.3	33.0	99.0

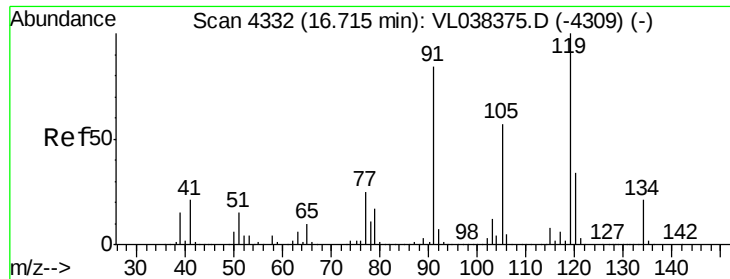


#64
 n-propylbenzene
 Concen: 9.105 ppbv
 RT: 15.52 min Scan# 3961
 Delta R.T. -0.01 min
 Lab File: VL038551.D
 Acq: 5 Mar 2022 1:45

Tgt Ion:120 Resp: 896468

Ion	Ratio	Lower	Upper
120	100		
91	501.5	388.1	582.1





#65

tert-Butylbenzene

Concen: 9.057 ppbv

RT: 16.70

Delta R.T. MSVOA_L

Lab File:

Acq: 5 Mar 2022 1:45

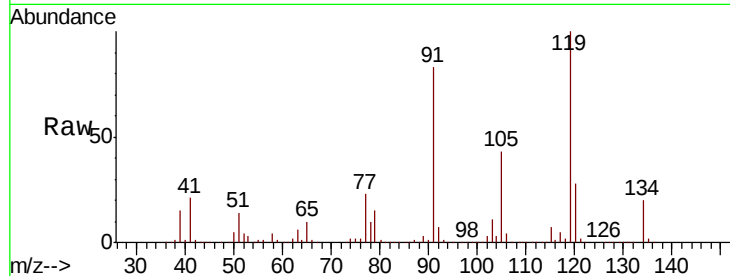
Tot Ion: 119 Resp: 3119616

Ion Ratio Lower Upper

119 100

91 87.1 68.0 102.0

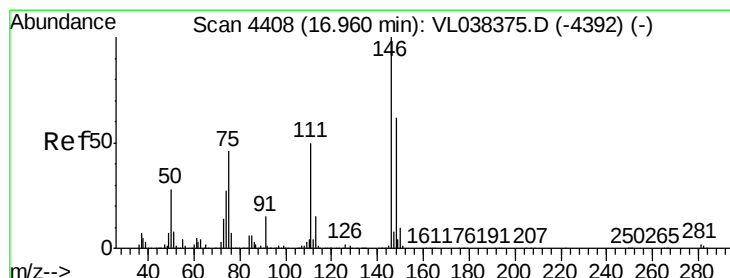
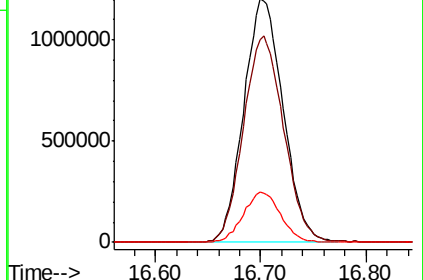
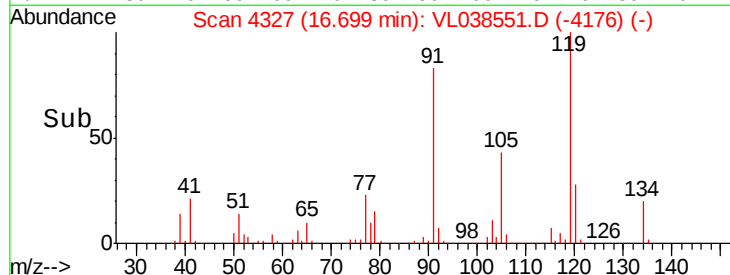
134 19.7 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.265 ppbv

RT: 16.94 min Scan# 4403

Delta R.T. -0.02 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

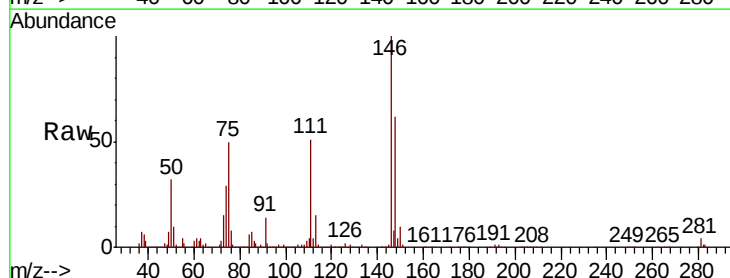
Tgt Ion: 91 Resp: 172432

Ion Ratio Lower Upper

91 100

126 15.9 12.3 18.5

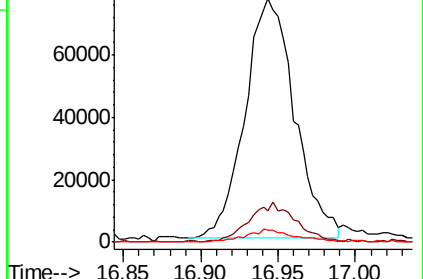
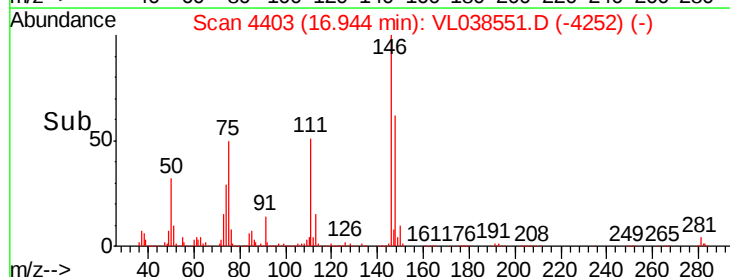
128 5.4 4.2 6.4

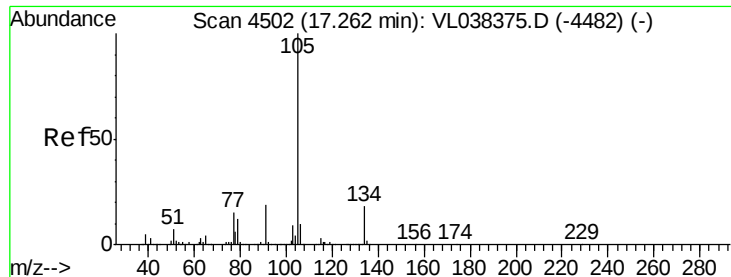


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

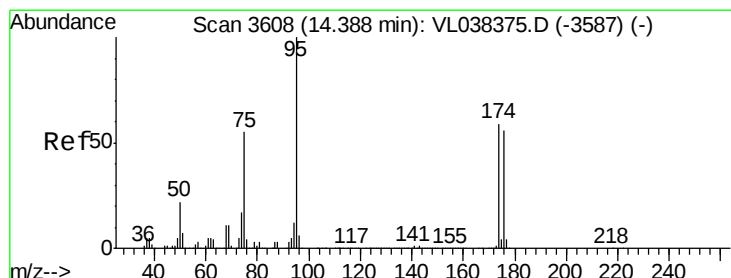
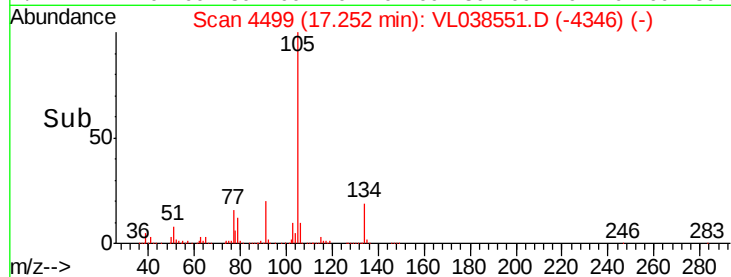
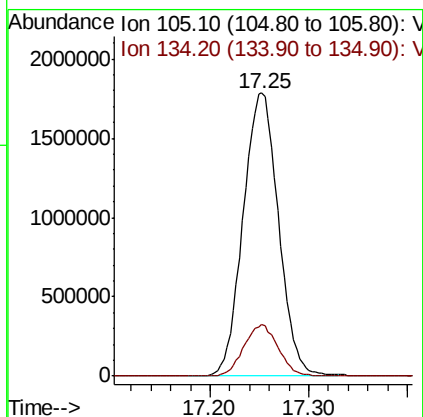
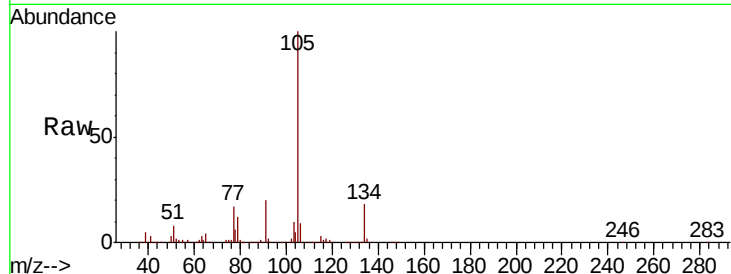
Ion 128.10 (127.80 to 128.80): V





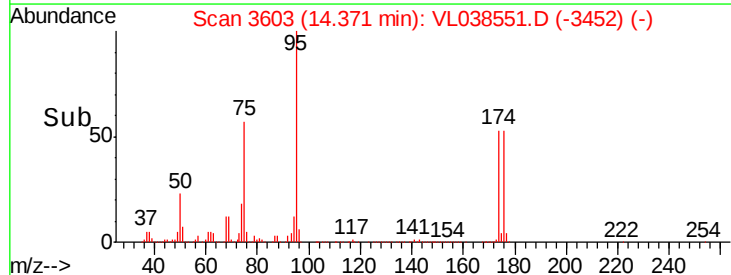
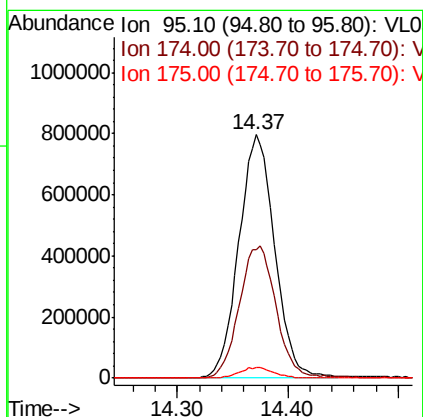
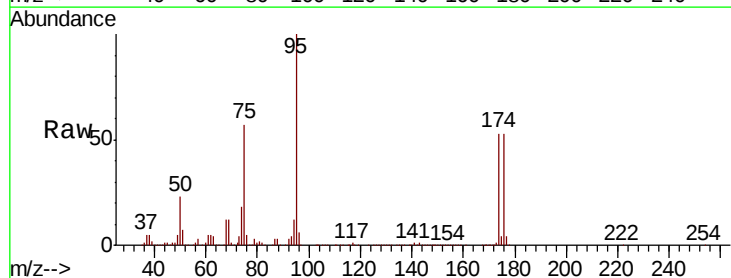
#67
 sec-Butylbenzene
 Concen: 9.072 ppbv
 RT: 17.25 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Mar 2022 1:45

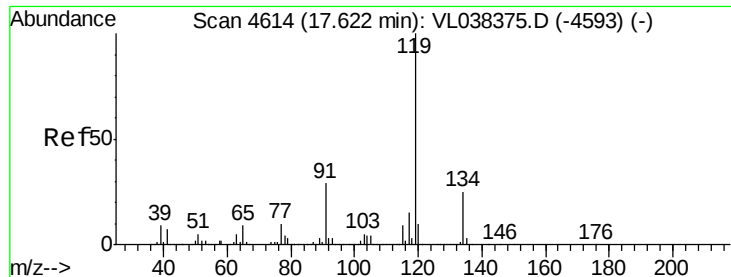
Tot Ion: 105 Resp: 4427342
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.151 ppbv
 RT: 14.37 min Scan# 3603
 Delta R.T. -0.02 min
 Lab File: VL038551.D
 Acq: 5 Mar 2022 1:45

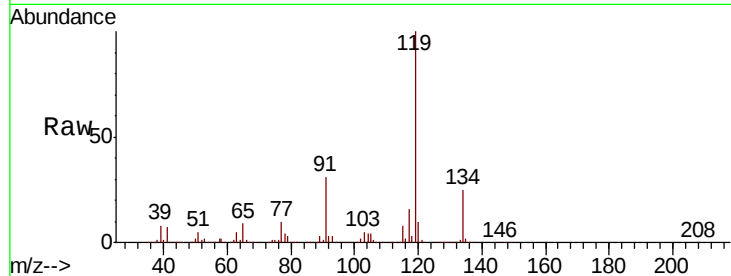
Tgt Ion: 95 Resp: 1799958
 Ion Ratio Lower Upper
 95 100
 174 55.8 49.0 73.4
 175 4.2 3.6 5.4



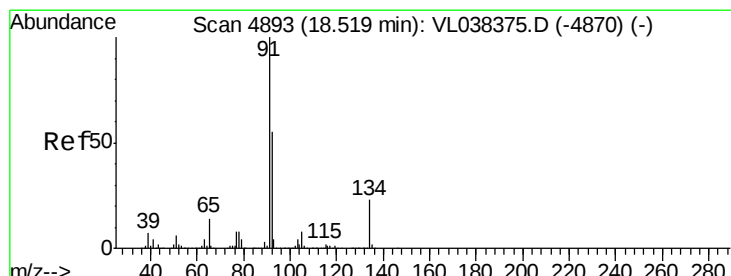
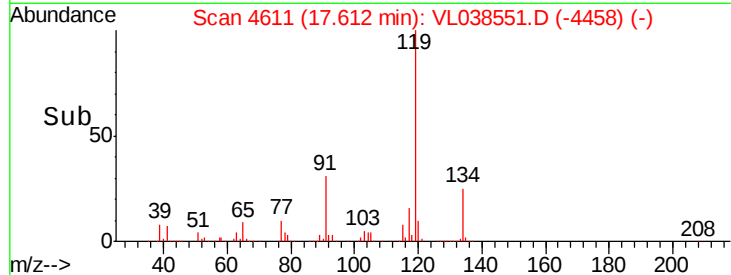
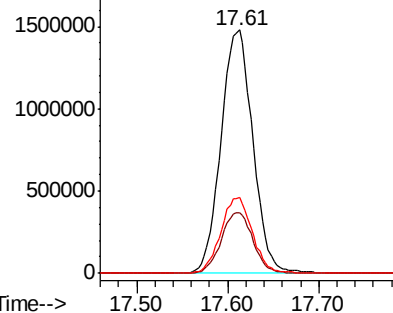


#69
 p-Isopropyltoluene
 Concen: 9.381 ppbv
 RT: 17.61 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Mar 2022 1:45

Tot Ion: 119 Resp: 3596147
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.4 30.6
 91 30.8 23.8 35.8

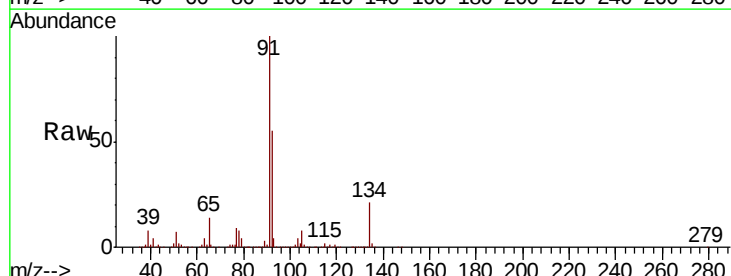


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

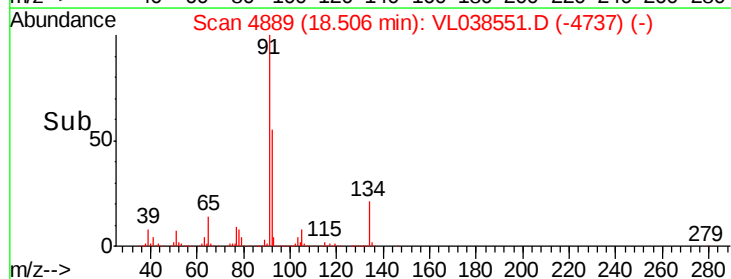
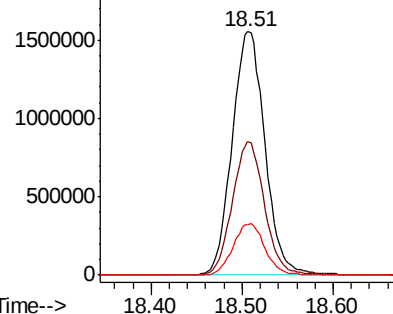


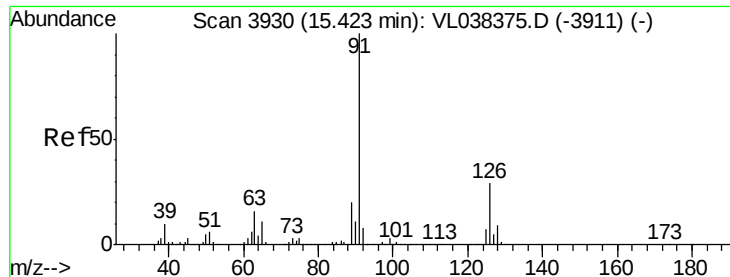
#70
 n-Butylbenzene
 Concen: 9.795 ppbv
 RT: 18.51 min Scan# 4889
 Delta R.T. -0.01 min
 Lab File: VL038551.D
 Acq: 5 Mar 2022 1:45

Tgt Ion: 91 Resp: 3885809
 Ion Ratio Lower Upper
 91 100
 92 53.7 43.1 64.7
 134 20.8 17.4 26.0



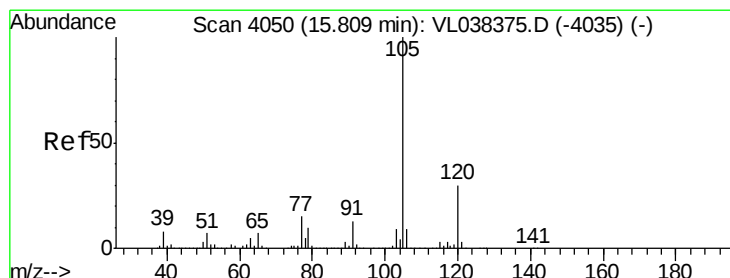
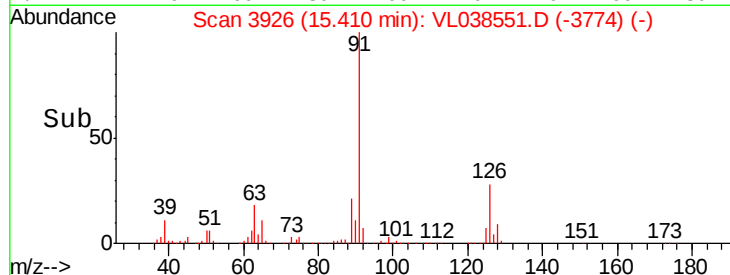
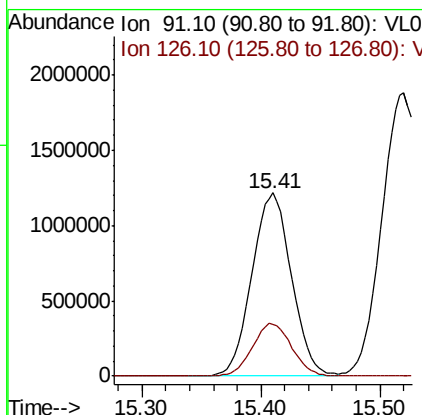
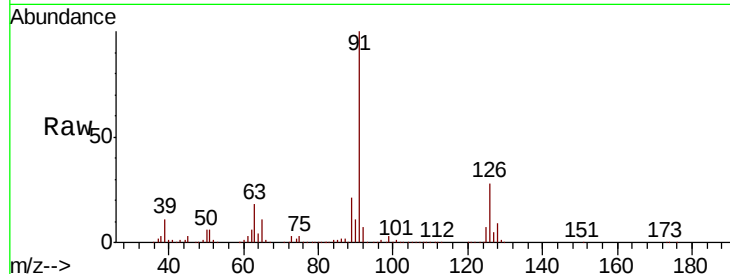
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





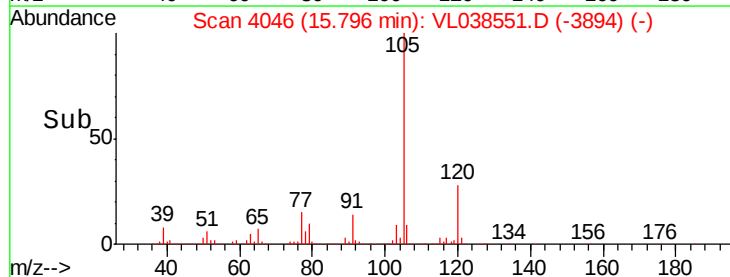
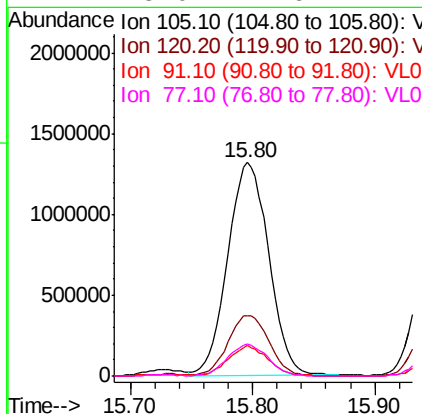
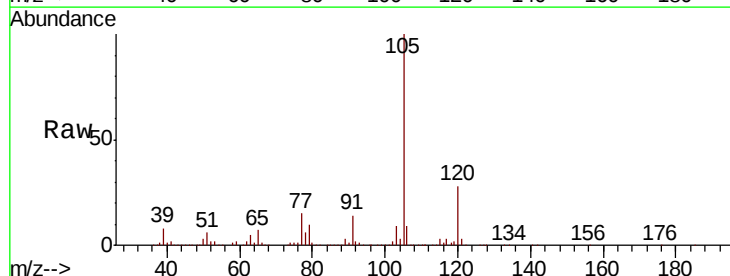
#71
 2-Chlorotoluene
 Concen: 9.145 ppbv
 RT: 15.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 5 Mar 2022 1:45

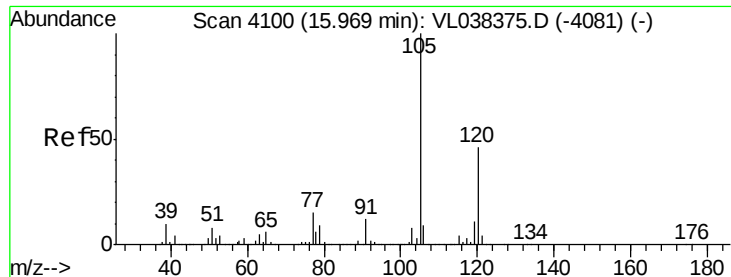
Tot Ion: 91 Resp: 2796476
 Ion Ratio Lower Upper
 91 100
 126 28.9 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 9.418 ppbv
 RT: 15.80 min Scan# 4046
 Delta R.T. -0.01 min
 Lab File: VL038551.D
 Acq: 5 Mar 2022 1:45

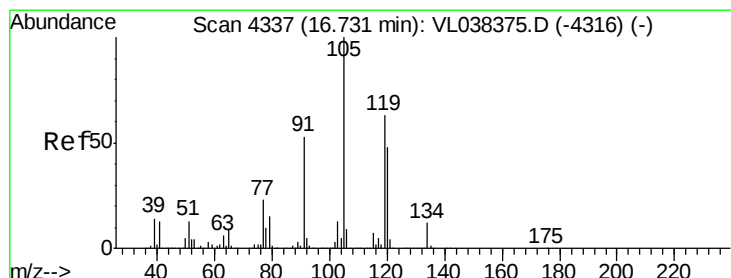
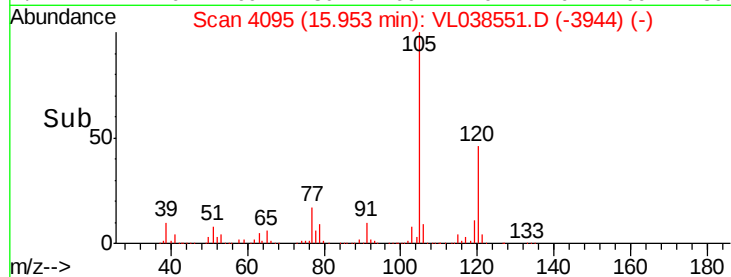
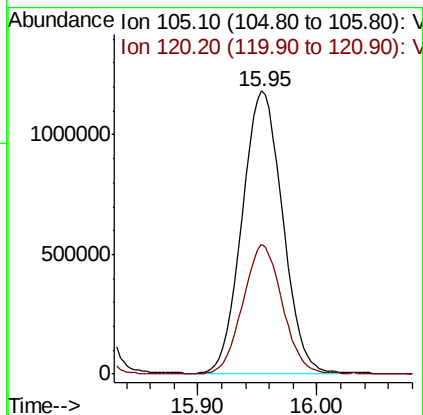
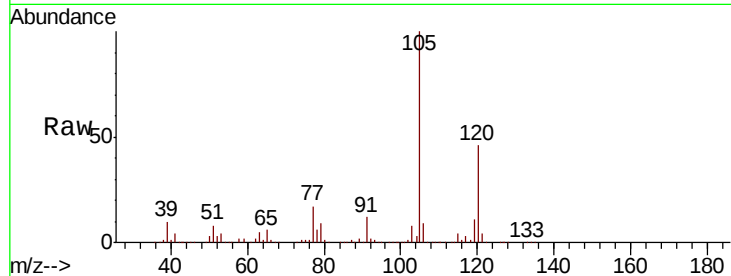
Tgt Ion:105 Resp: 3074624
 Ion Ratio Lower Upper
 105 100
 120 28.8 23.4 35.2
 91 13.6 10.4 15.6
 77 15.0 11.6 17.4





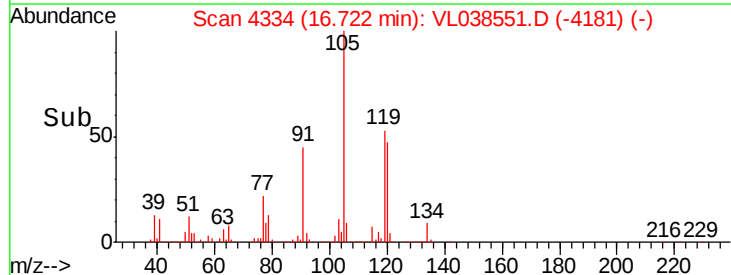
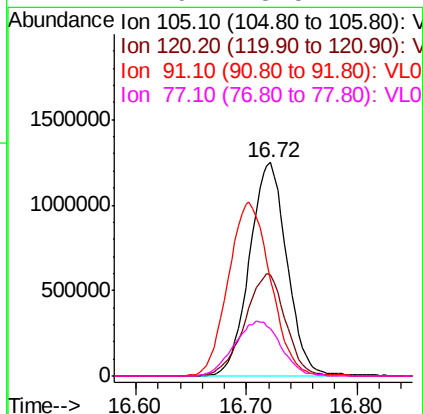
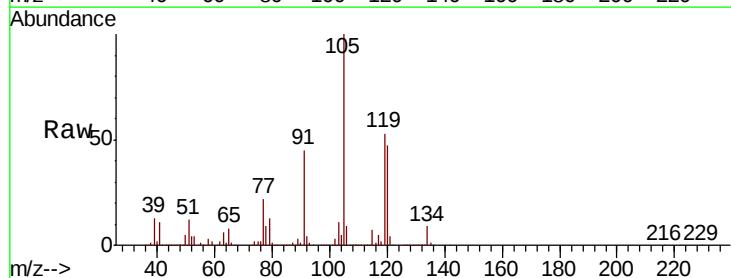
#73
 1,3,5-Trimethylbenzene
 Concen: 9.362 ppbv
 RT: 15.95 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Mar 2022 1:45

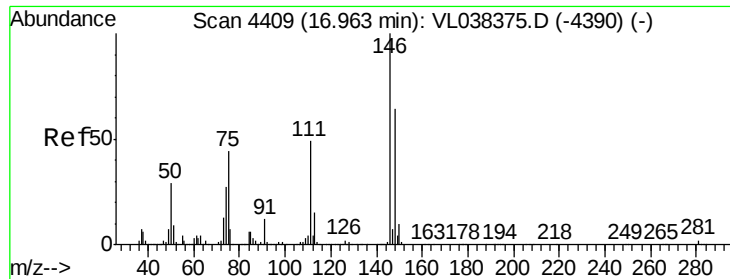
Tot Ion:105 Resp: 2775529
 Ion Ratio Lower Upper
 105 100
 120 46.1 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 9.350 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.01 min
 Lab File: VL038551.D
 Acq: 5 Mar 2022 1:45

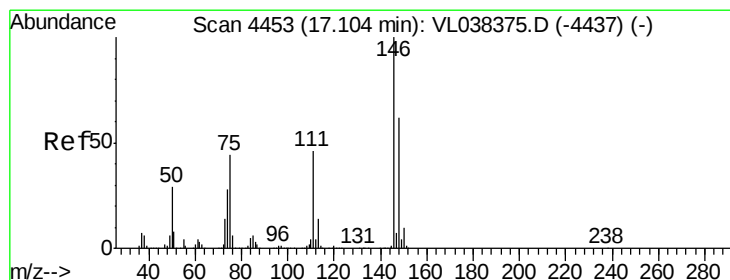
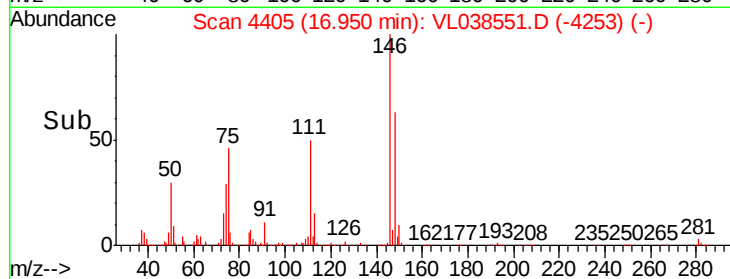
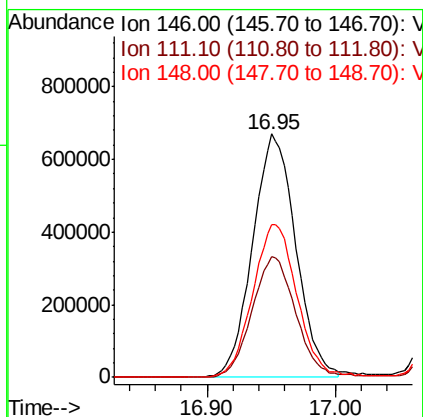
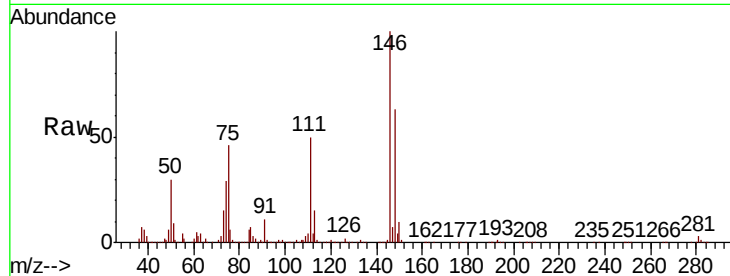
Tgt Ion:105 Resp: 2926563
 Ion Ratio Lower Upper
 105 100
 120 47.4 38.2 57.4
 91 44.8 42.7 64.1
 77 21.9 18.5 27.7





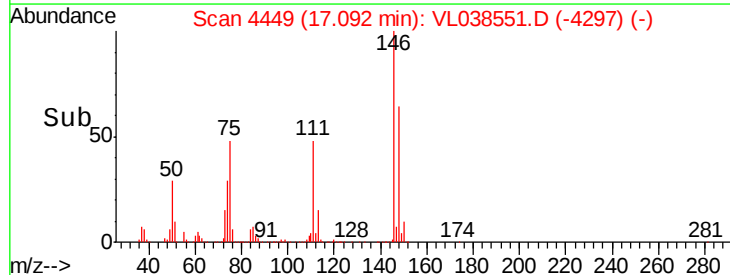
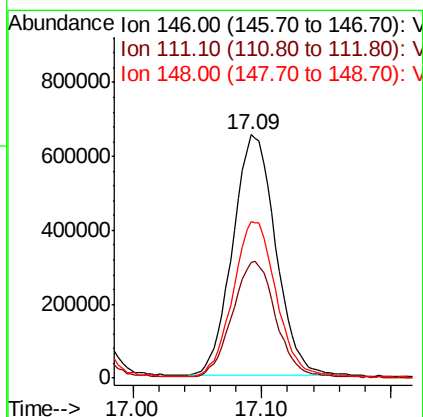
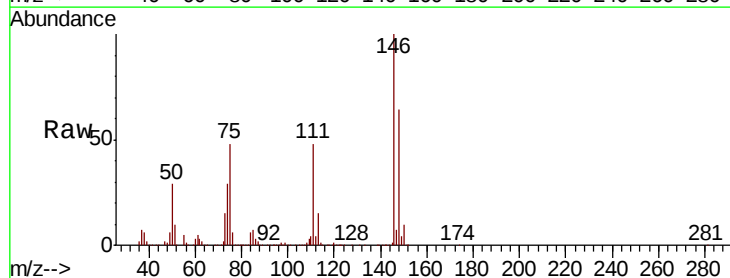
#75
 1,3-Dichlorobenzene
 Concen: 8.908 ppbv
 RT: 16.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 5 Mar 2022 1:45

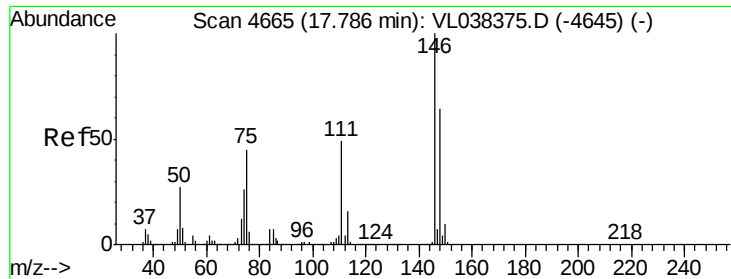
Tot Ion:146 Resp: 1561669
 Ion Ratio Lower Upper
 146 100
 111 50.4 24.3 72.9
 148 64.8 32.0 96.0



#76
 1,4-Dichlorobenzene
 Concen: 8.762 ppbv
 RT: 17.09 min Scan# 4449
 Delta R.T. -0.01 min
 Lab File: VL038551.D
 Acq: 5 Mar 2022 1:45

Tgt Ion:146 Resp: 1514721
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.1 72.2
 148 66.4 32.8 98.4





#77

1,2-Dichlorobenzene

Concen: 8.908 ppbv

RT: 17.77

Delta R.T. MSVOA_L

Lab File:

Acq: 5 Mar 2022 1:45

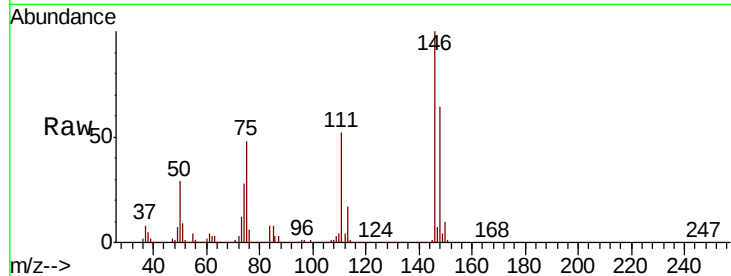
Tot Ion:146 Resp: 1503309

Ion Ratio Lower Upper

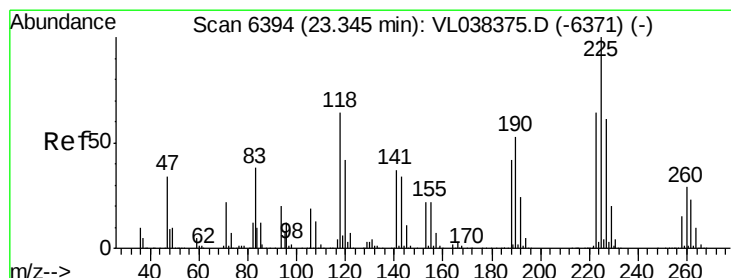
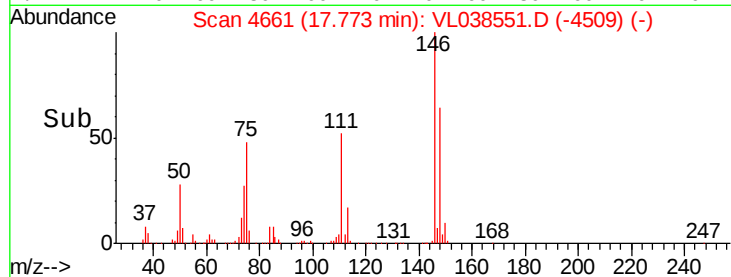
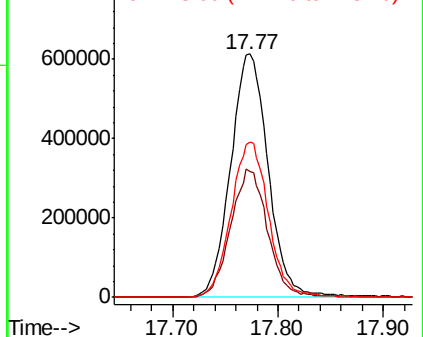
146 100

111 52.2 25.6 76.6

148 64.4 32.4 97.2



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: 8.658 ppbv

RT: 23.33 min Scan# 6390

Delta R.T. -0.01 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

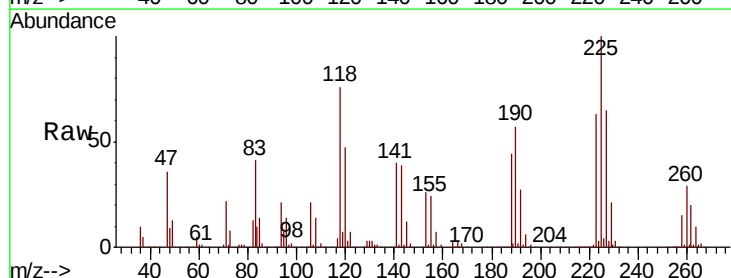
Tgt Ion:225 Resp: 1114233

Ion Ratio Lower Upper

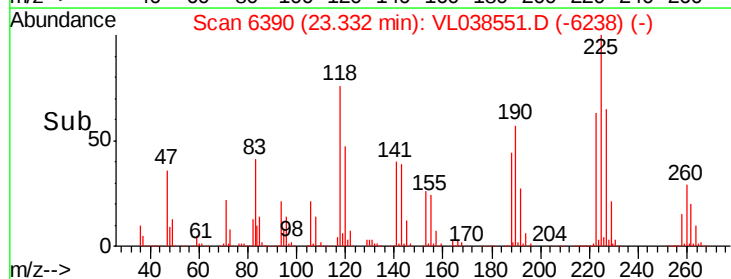
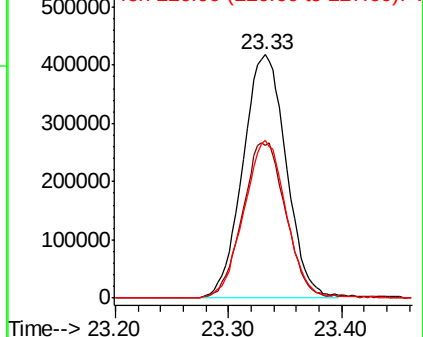
225 100

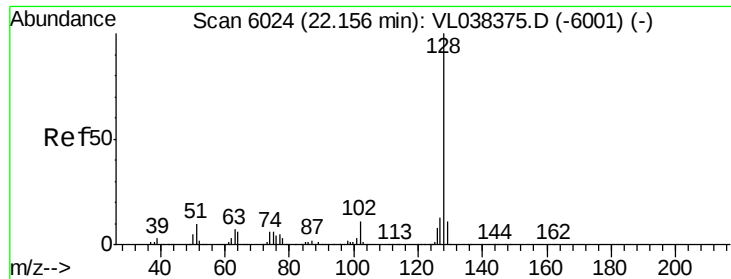
223 64.5 52.0 78.0

227 63.8 51.6 77.4



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: 11.398 ppbv

RT: 22.14 min

Delta R.T. MSVOA_L

Lab File:

Acq: 5 Mar 2022 1:45

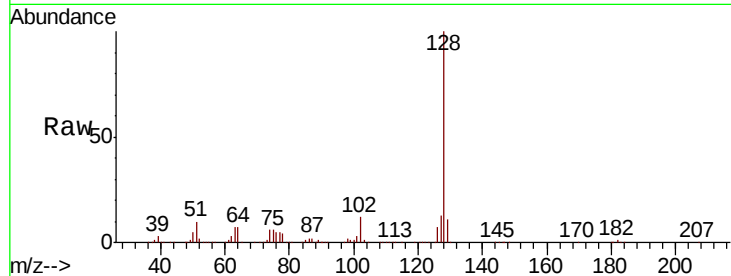
Tot Ion:128 Resp: 1932946

Ion Ratio Lower Upper

128 100

127 12.8 10.7 16.1

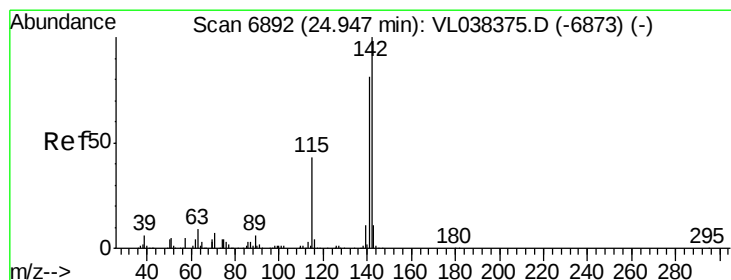
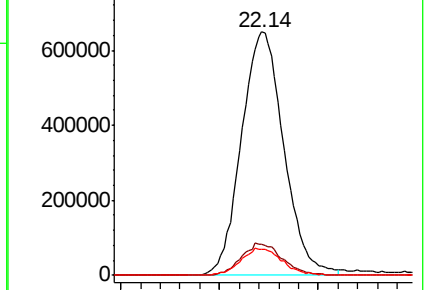
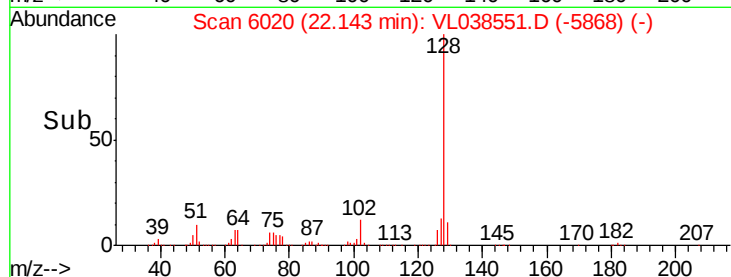
129 10.7 8.8 13.2



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: 7.576 ppbv

RT: 24.94 min Scan# 6890

Delta R.T. -0.01 min

Lab File: VL038551.D

Acq: 5 Mar 2022 1:45

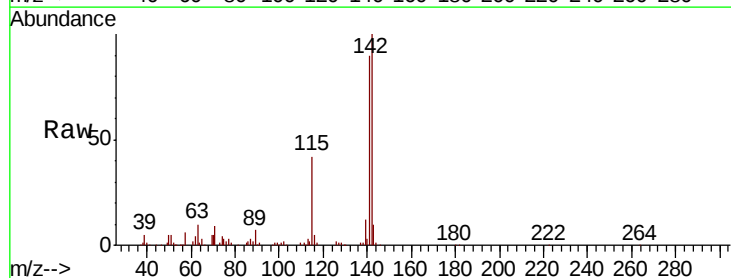
Tgt Ion:142 Resp: 251105

Ion Ratio Lower Upper

142 100

141 89.2 69.8 104.6

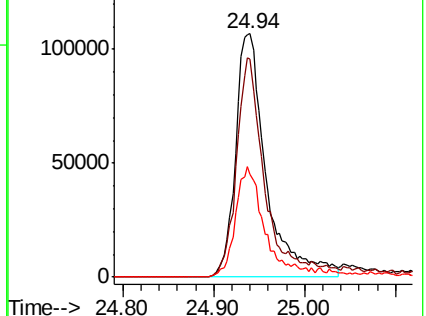
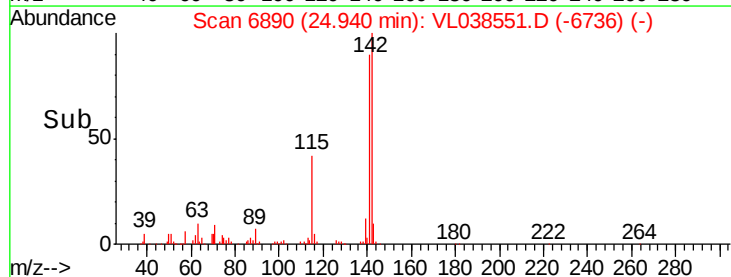
115 45.0 33.0 49.6

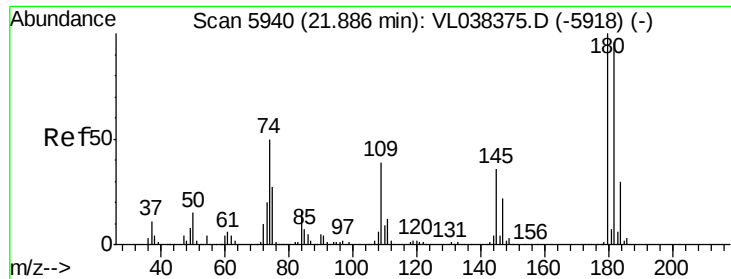


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

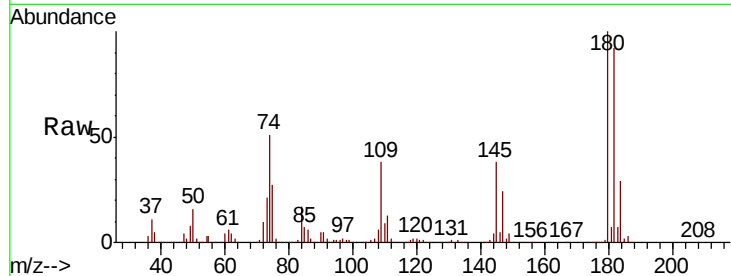
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.391 ppbv
 RT: 21.88
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Mar 2022 1.45

Tot Ion:180 Resp: 1065459
 Ion Ratio Lower Upper
 180 100
 182 97.4 77.4 116.2
 184 31.4 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V
 500000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

