

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038508.D
 Acq On : 3 Mar 2022 9:58
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 04:32:06 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	5.66	49	867950	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	2046495	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	2409259	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1663416	8.34	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1130089	8.220	ppbv 97
3) Chlorodifluoromethane	2.99	51	1532682	10.000	ppbv 100
4) Chloromethane	3.14	50	526709	9.891	ppbv 97
5) Vinyl Chloride	3.26	62	544555	9.782	ppbv 99
6) Bromomethane	3.47	94	293237	9.986	ppbv 94
7) Chloroethane	3.56	64	186946	10.455	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	1287651	10.070	ppbv 98
9) Propene	3.01	41	497463	9.831	ppbv 99
10) Heptane	8.12	43	1286567	10.444	ppbv 99
11) Trichlorofluoromethane	3.95	101	1317417	10.009	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	967863	10.030	ppbv 100
13) Ethanol	3.61	45	23052	4.565	ppbv # 49
14) Bromoethene	3.74	108	393013	10.223	ppbv 100
15) Acetone	3.85	43	657966	8.914	ppbv 100
16) 1,3-Butadiene	3.33	39	508126	10.306	ppbv 96
17) tert-Butyl alcohol	4.28	59	794143	10.784	ppbv 100
18) 1,1-Dichloroethene	4.29	96	424614	10.023	ppbv 98
19) Isopropyl Alcohol	3.96	45	406298	9.506	ppbv # 98
20) Methylene Chloride	4.34	84	351476	9.611	ppbv 98
21) Allyl Chloride	4.41	41	631668	10.132	ppbv 100
22) trans-1,2-Dichloroethene	4.89	96	443374	10.373	ppbv 96
23) Vinyl Acetate	5.07	43	1005274	10.277	ppbv 98
24) 1,1-Dichloroethane	5.01	63	888295	10.101	ppbv 100
25) Ethyl Acetate	5.67	43	2015414	10.163	ppbv 99
26) Hexane	5.68	57	910645	10.141	ppbv 99
27) Carbon Disulfide	4.55	76	1080969	10.822	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	929066	10.157	ppbv 98
29) Chloroform	5.75	83	1525553	10.409	ppbv 99
30) Cyclohexane	7.12	84	761480	10.368	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	921164	10.588	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	1502532	10.194	ppbv 99
34) 2-Butanone	5.24	43	689973	10.720	ppbv 100
35) Carbon Tetrachloride	7.01	117	1566603	10.886	ppbv 99
36) Benzene	6.89	78	1901634	10.555	ppbv 98
37) 1,2-Dichloroethane	6.30	62	1147012	11.017	ppbv 99
38) Trichloroethene	7.83	130	679726	10.358	ppbv 97
39) 1,2-Dichloropropane	7.61	63	755100	10.523	ppbv 96
40) 1,4-Dioxane	7.83	88	71661	4.210	ppbv # 1
41) Tetrahydrofuran	6.05	42	476423	10.955	ppbv 98
42) Bromodichloromethane	7.79	83	1617338	10.758	ppbv 100
43) Methyl Methacrylate	8.01	69	696528	11.121	ppbv 99

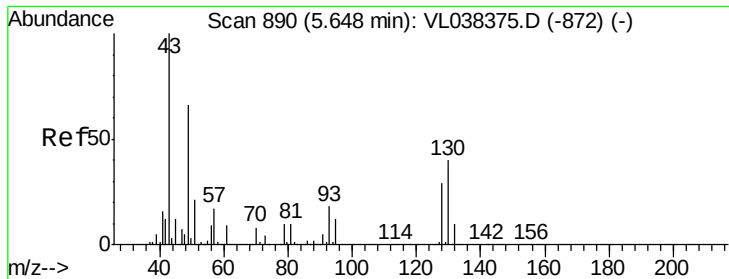
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038508.D
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 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3287969	10.618	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	579424	11.576	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	728462	11.104	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	731182	10.242	ppbv	98
48) Dibromochloromethane	10.30	129	1224505	10.489	ppbv	99
49) Bromoform	13.03	173	837848	9.723	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	1295205	11.382	ppbv	99
51) 2-Hexanone	10.13	43	563853	11.067	ppbv #	100
52) Tetrachloroethene	11.21	164	565820	9.461	ppbv	96
53) Toluene	9.80	91	2081066	10.639	ppbv	98
54) 1,2-Dibromoethane	10.60	107	1051537	10.463	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	800949	7.976	ppbv	97
57) Chlorobenzene	12.14	112	1406920	7.569	ppbv	98
58) Ethyl Benzene	12.70	91	2647149	8.035	ppbv	98
59) m/p-Xylene	12.99	91	2622207	9.268	ppbv #	54
60) o-Xylene	13.69	91	2078882	7.773	ppbv	100
61) Styrene	13.52	104	993347	8.052	ppbv	98
62) Isopropylbenzene	14.66	105	2707707	7.543	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	1396318	6.425	ppbv	99
64) n-propylbenzene	15.55	120	640029	7.201	ppbv	87
65) tert-Butylbenzene	16.73	119	2197085	7.066	ppbv	98
66) Benzyl Chloride	16.98	91	55520	3.304	ppbv #	70
67) sec-Butylbenzene	17.28	105	3071565	6.972	ppbv	99
69) p-Isopropyltoluene	17.64	119	2445864	7.068	ppbv	98
70) n-Butylbenzene	18.54	91	2579364	7.203	ppbv	99
71) 2-Chlorotoluene	15.45	91	1971103	7.141	ppbv	100
72) 4-Ethyltoluene	15.83	105	2198338	7.460	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	1927051	7.200	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	2010014	7.114	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	1045827	6.609	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	1000539	6.411	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	984395	6.462	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	804562	6.925	ppbv	99
79) Naphthalene	22.18	128	1495518	9.769	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	229177	7.660	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	798694	8.629	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 9:58

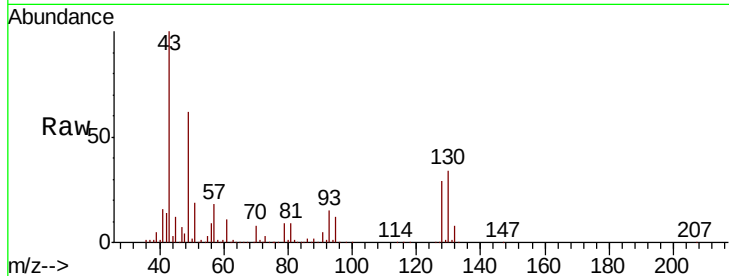
Tot Ion: 49 Resp: 867950

Ion Ratio Lower Upper

49 100

128 47.0 24.3 72.9

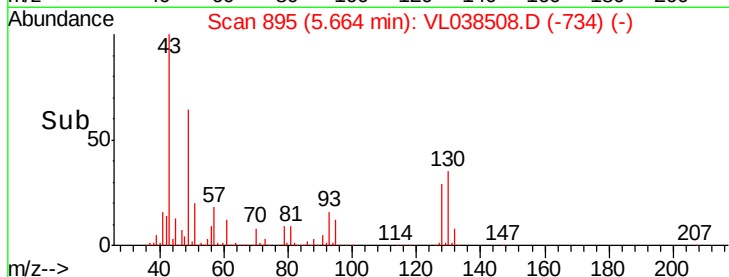
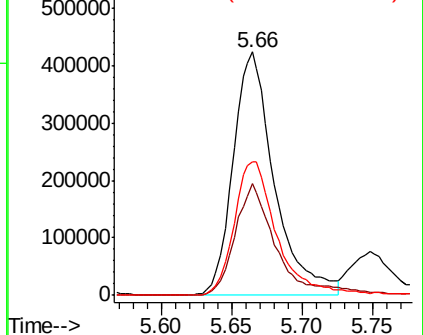
130 57.9 30.1 90.5



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: 8.220 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL038508.D

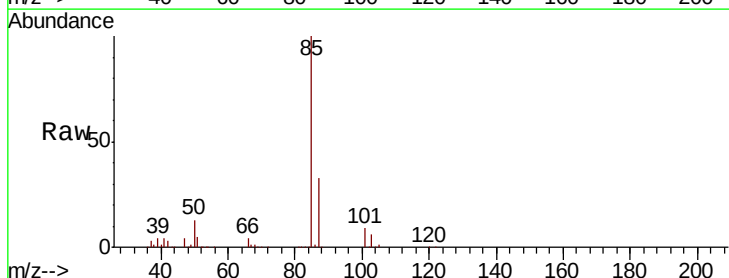
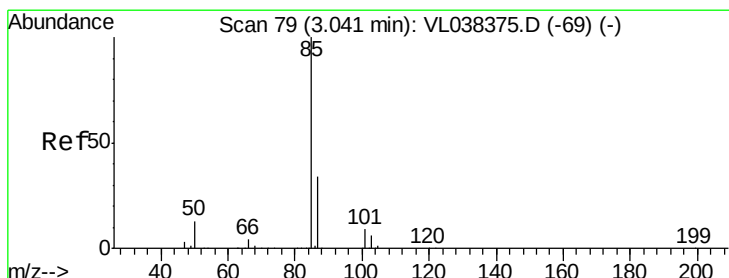
Acq: 3 Mar 2022 9:58

Tgt Ion: 85 Resp: 1130089

Ion Ratio Lower Upper

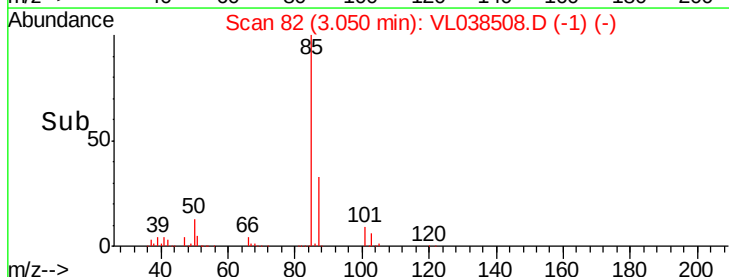
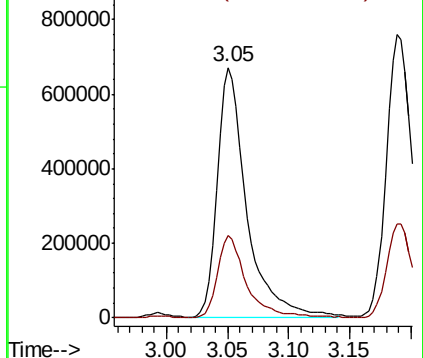
85 100

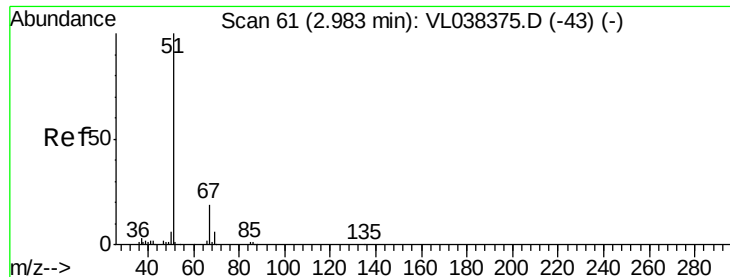
87 32.7 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.000 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

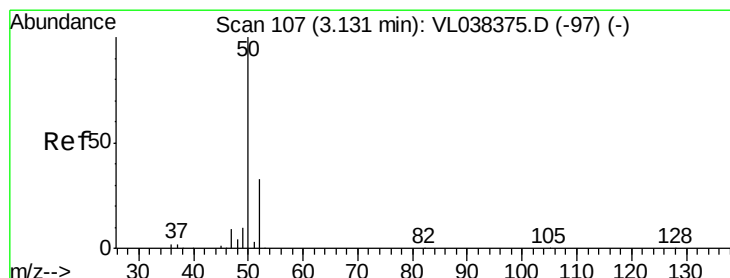
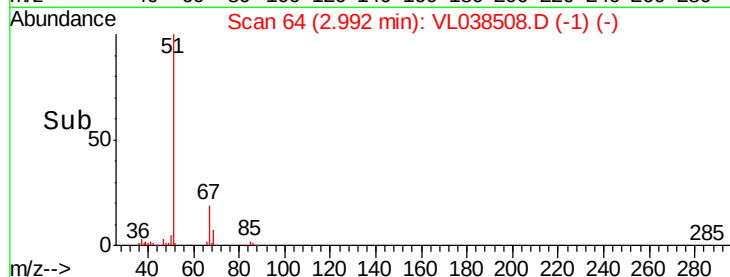
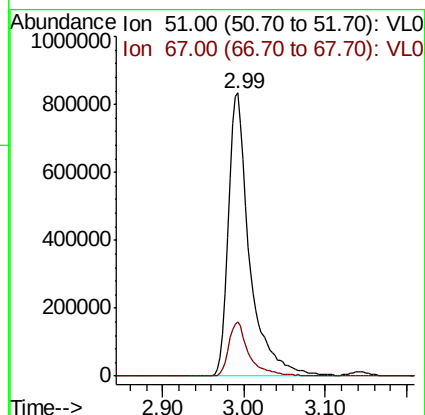
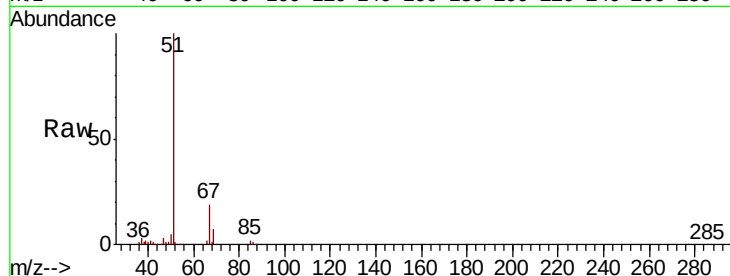
Acq: 3 Mar 2022 9:58

Tot Ion: 51 Resp: 1532682

Ion Ratio Lower Upper

51 100

67 18.6 14.7 22.1



#4

Chloromethane

Concen: 9.891 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038508.D

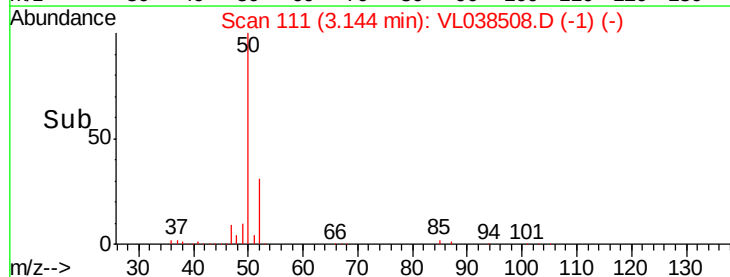
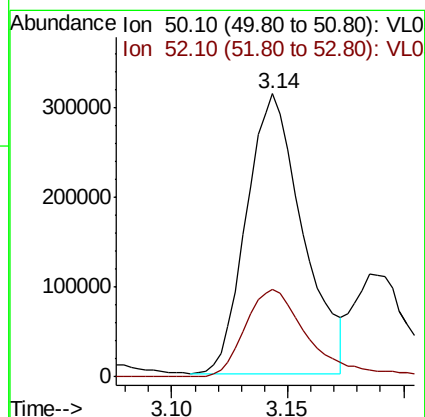
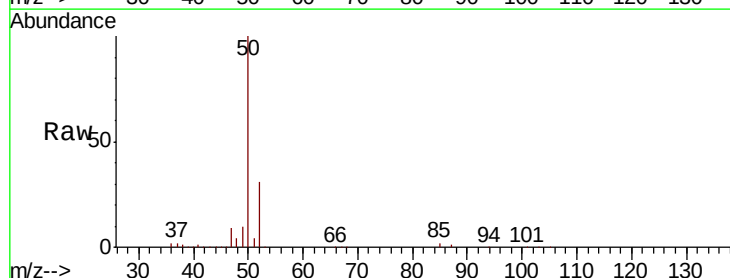
Acq: 3 Mar 2022 9:58

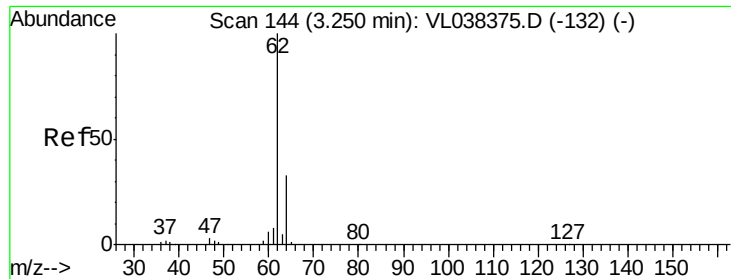
Tgt Ion: 50 Resp: 526709

Ion Ratio Lower Upper

50 100

52 31.3 26.5 39.7





#5

Vinyl Chloride

Concen: 9.782 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

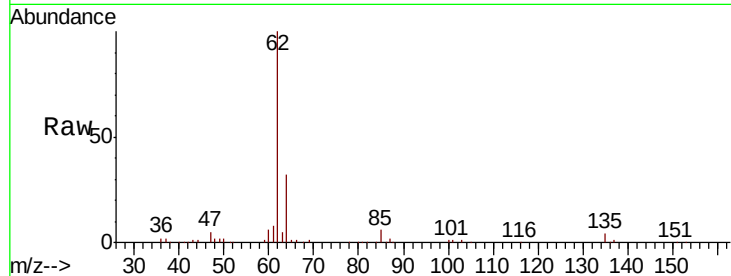
Acq: 3 Mar 2022 9:58

Tot Ion: 62 Resp: 544555

Ion Ratio Lower Upper

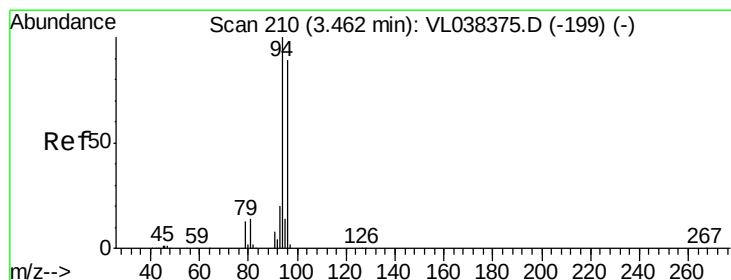
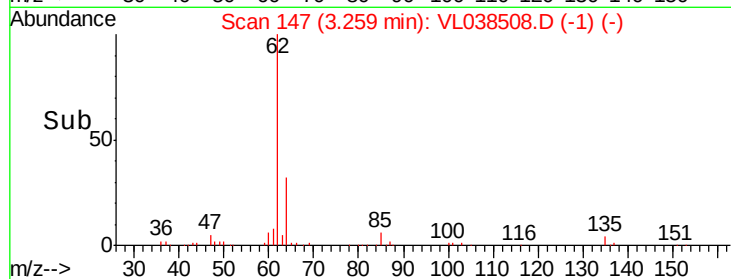
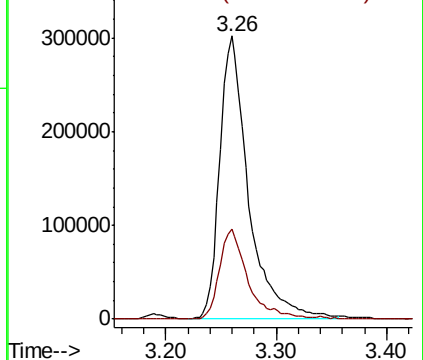
62 100

64 31.9 26.2 39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.986 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL038508.D

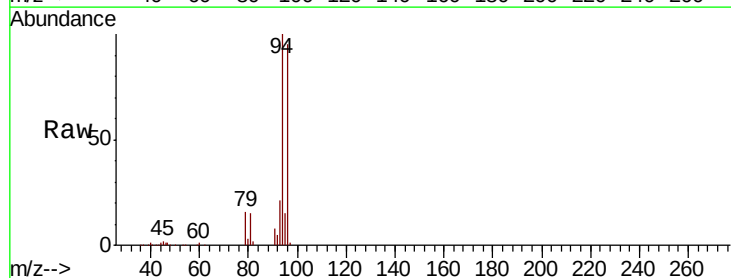
Acq: 3 Mar 2022 9:58

Tgt Ion: 94 Resp: 293237

Ion Ratio Lower Upper

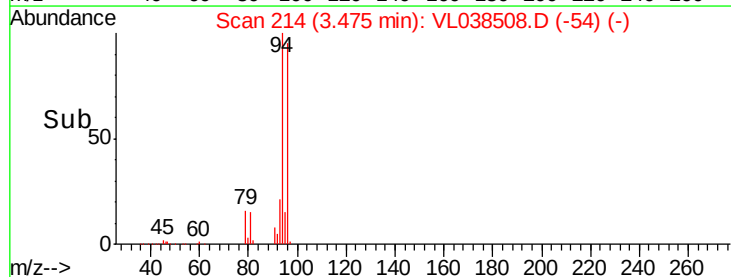
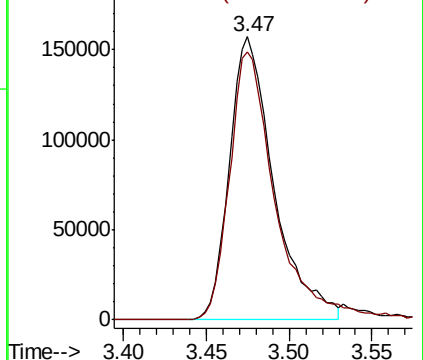
94 100

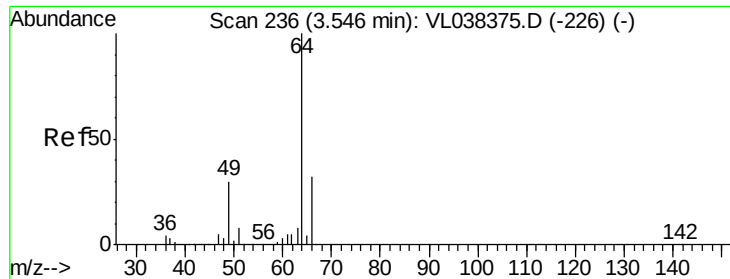
96 94.6 71.0 106.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.455 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

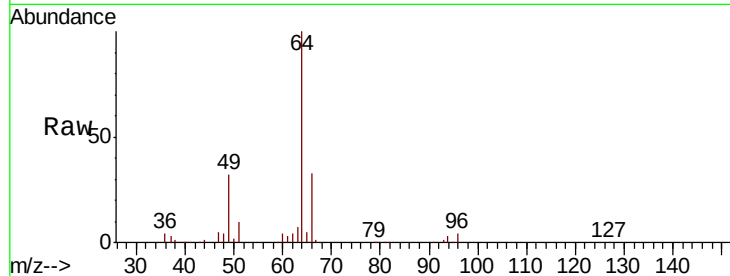
Acq: 3 Mar 2022 9:58

Tot Ion: 64 Resp: 186946

Ion Ratio Lower Upper

64 100

66 32.6 25.9 38.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

120000

100000

80000

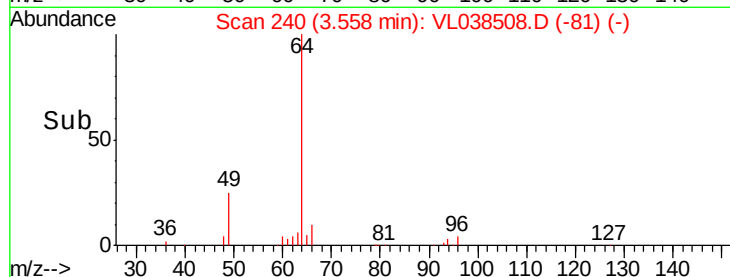
60000

40000

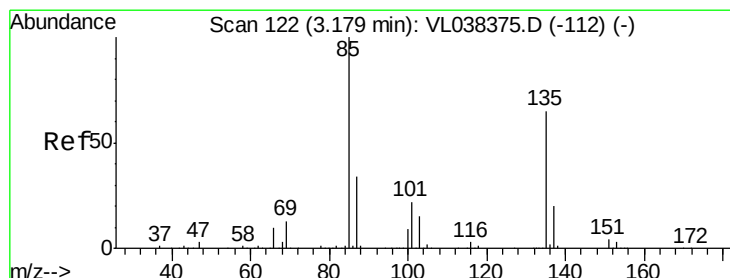
20000

0

Time-->



Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.070 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL038508.D

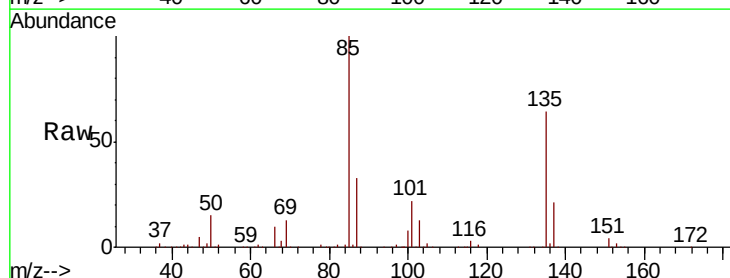
Acq: 3 Mar 2022 9:58

Tgt Ion: 85 Resp: 1287651

Ion Ratio Lower Upper

85 100

135 66.3 54.1 81.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

800000

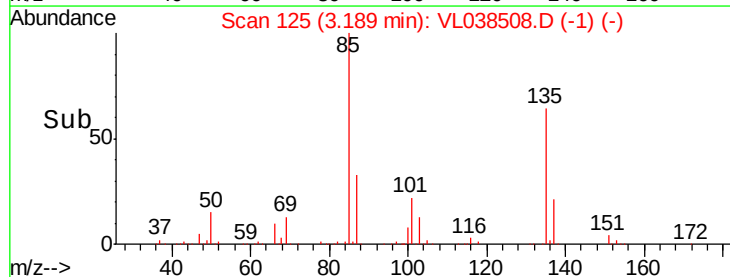
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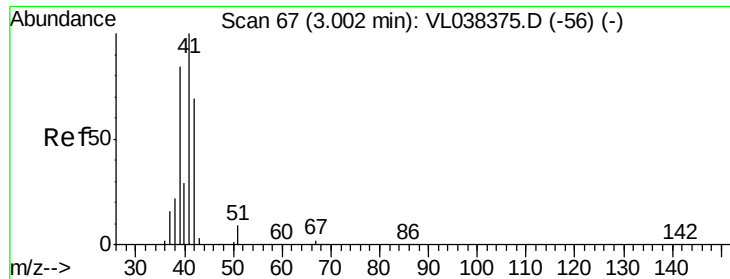
200000

0

Time-->

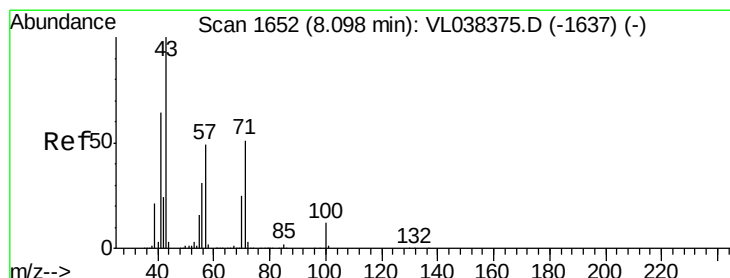
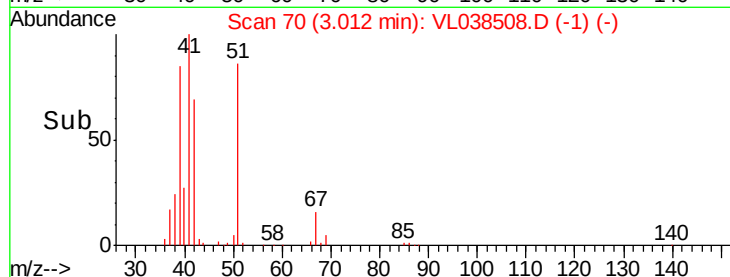
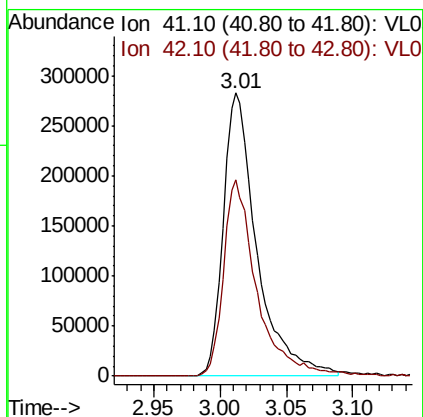
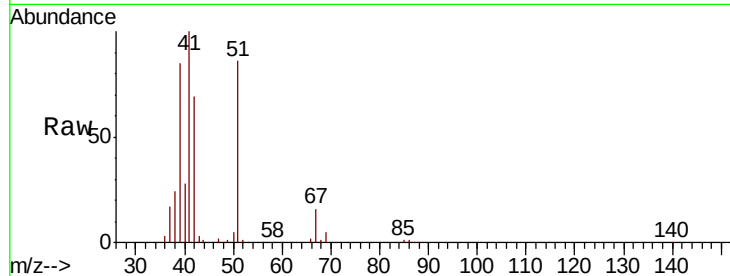


Time-->



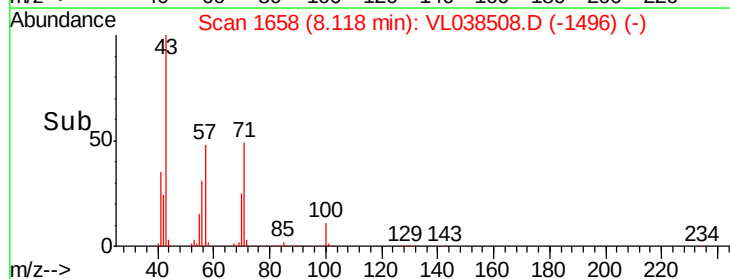
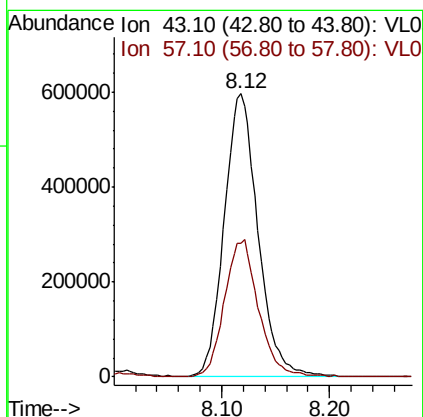
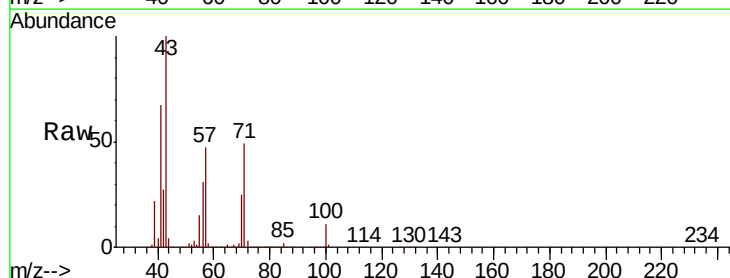
#9
 Propene
 Concen: 9.831 ppbv
 RT: 3.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 9:58

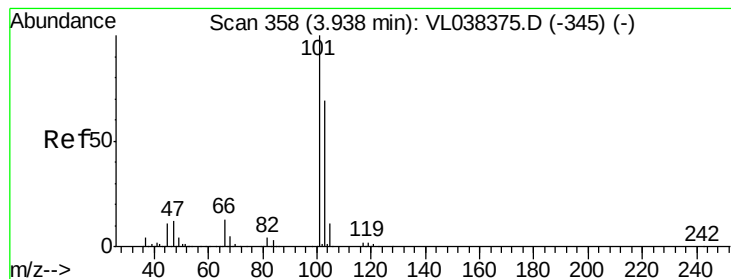
Tot Ion: 41 Resp: 497463
 Ion Ratio Lower Upper
 41 100
 42 68.9 54.6 82.0



#10
 Heptane
 Concen: 10.444 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. 0.02 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

Tgt Ion: 43 Resp: 1286567
 Ion Ratio Lower Upper
 43 100
 57 49.3 39.8 59.8





#11

Trichlorofluoromethane

Concen: 10.009 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

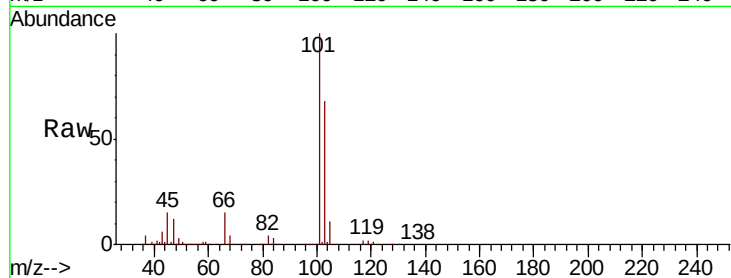
Acq: 3 Mar 2022 9:58

Tot Ion:101 Resp: 1317417

Ion Ratio Lower Upper

101 100

103 67.6 55.0 82.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

800000

600000

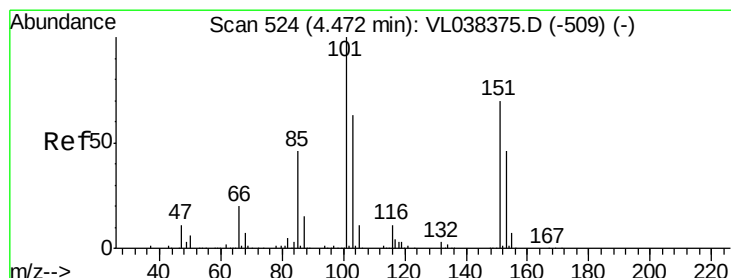
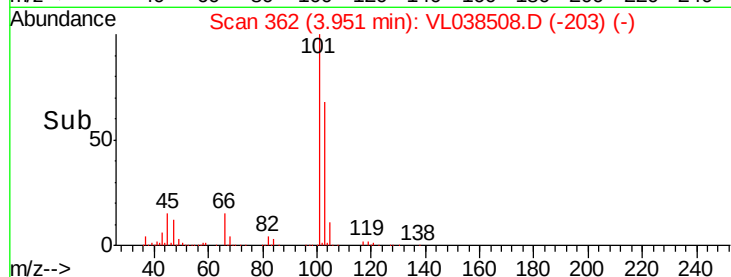
400000

200000

0

3.90 3.95 4.00 4.05

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.030 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.01 min

Lab File: VL038508.D

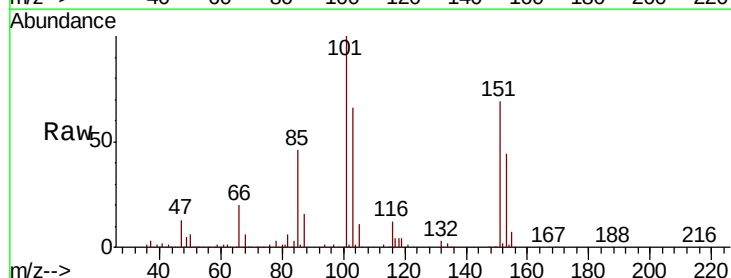
Acq: 3 Mar 2022 9:58

Tgt Ion:101 Resp: 967863

Ion Ratio Lower Upper

101 100

151 70.0 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

500000

400000

300000

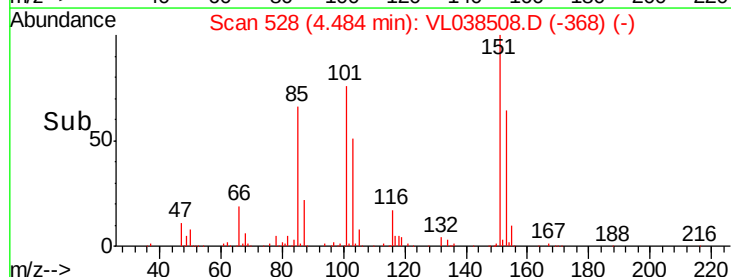
200000

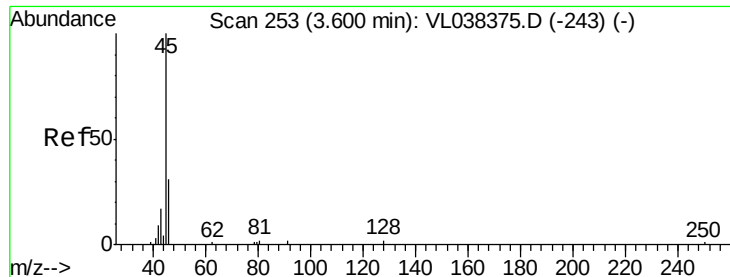
100000

0

4.40 4.45 4.50 4.55 4.60

Time-->





#13

Ethanol

Concen: 4.565 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

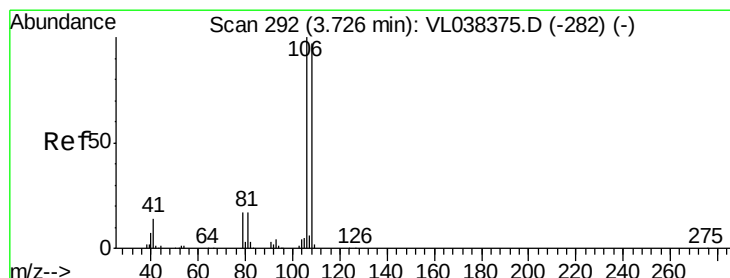
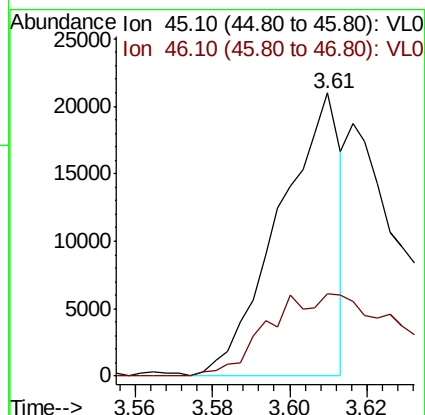
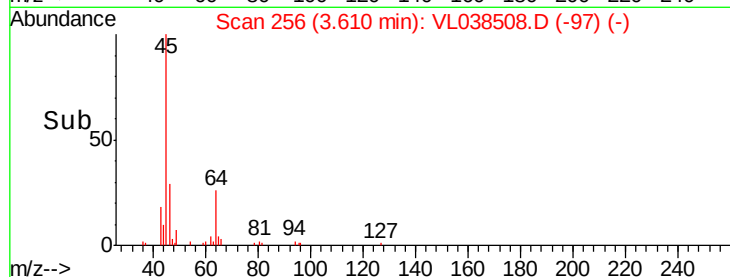
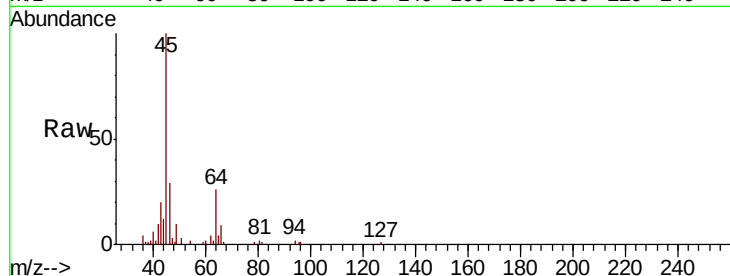
Acq: 3 Mar 2022 9:58

Tot Ion: 45 Resp: 23052

Ion Ratio Lower Upper

45 100

46 78.7 18.2 72.8#



#14

Bromoethene

Concen: 10.223 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

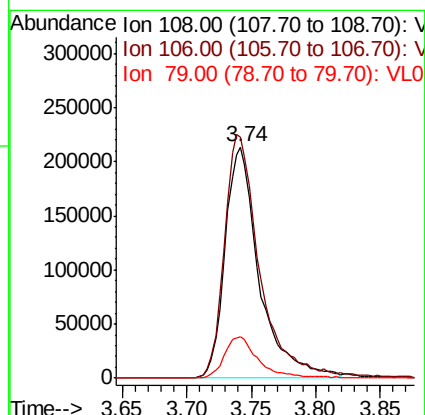
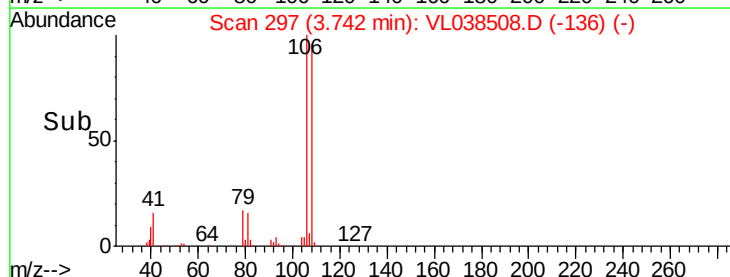
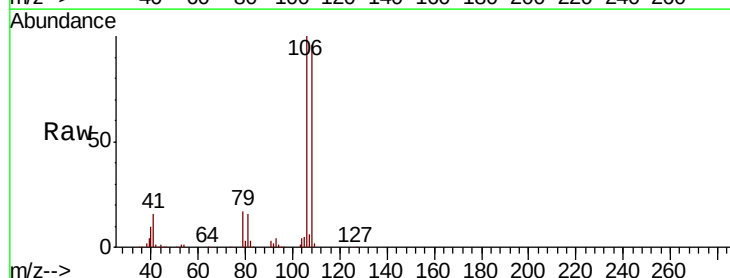
Tgt Ion: 108 Resp: 393013

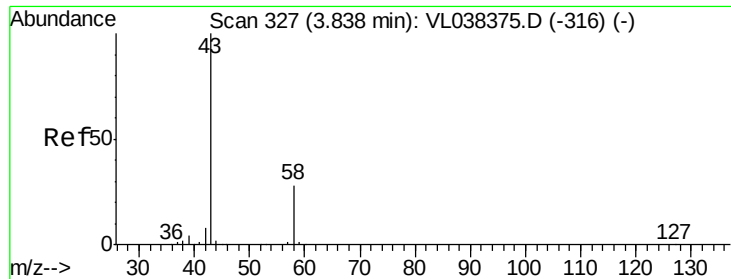
Ion Ratio Lower Upper

108 100

106 110.3 88.4 132.6

79 18.6 15.0 22.6





#15

Acetone

Concen: 8.914 ppbv

RT: 3.85 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

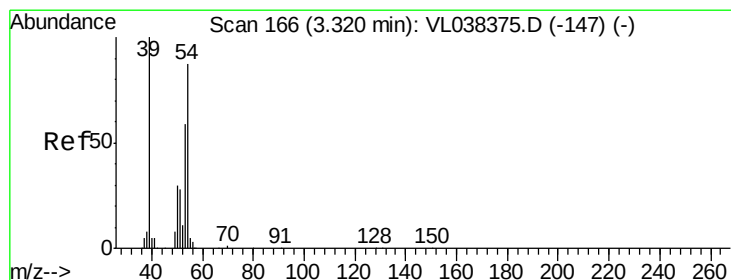
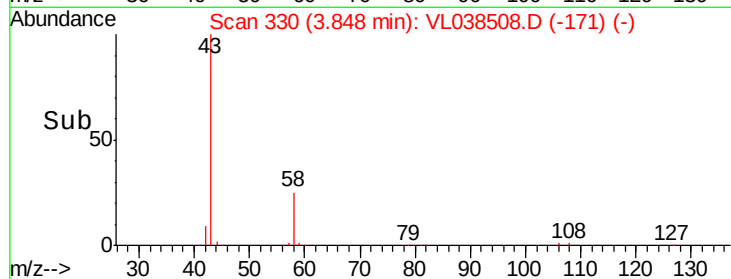
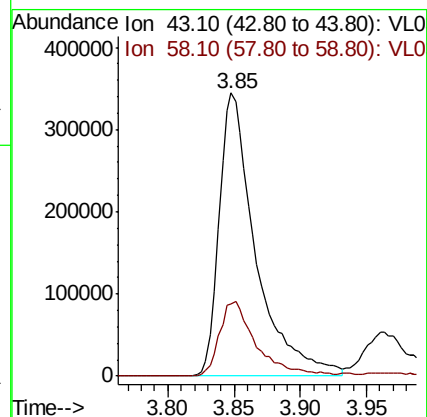
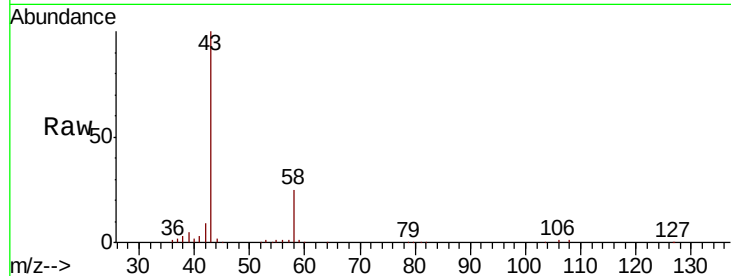
Acq: 3 Mar 2022 9:58

Tot Ion: 43 Resp: 657966

Ion Ratio Lower Upper

43 100

58 27.3 21.7 32.5



#16

1,3-Butadiene

Concen: 10.306 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.01 min

Lab File: VL038508.D

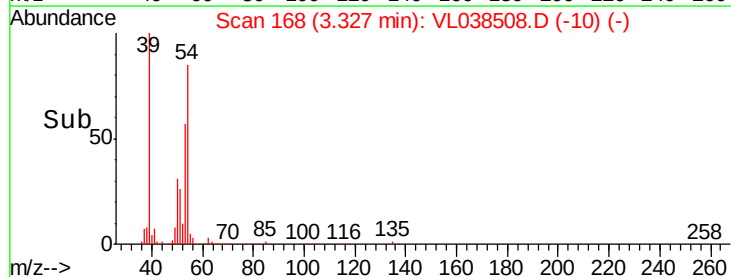
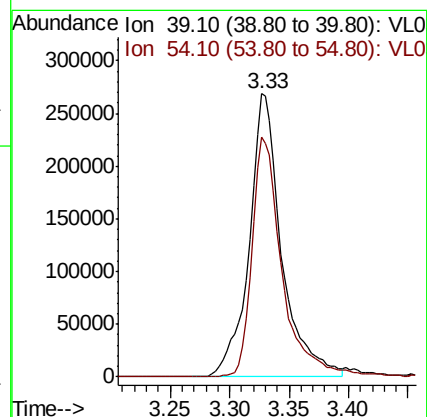
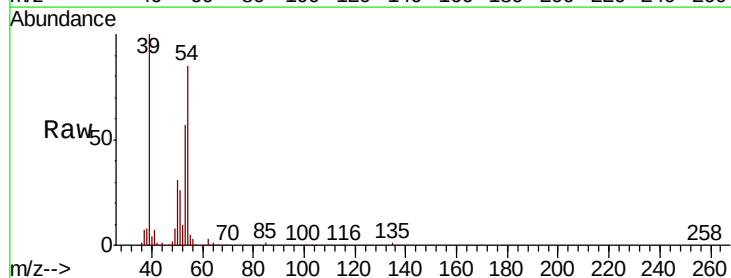
Acq: 3 Mar 2022 9:58

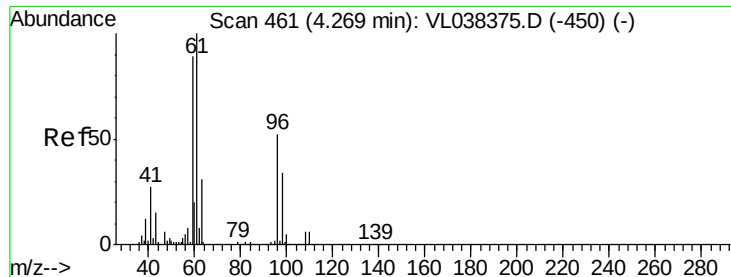
Tgt Ion: 39 Resp: 508126

Ion Ratio Lower Upper

39 100

54 79.2 60.3 90.5





#17

tert-Butyl alcohol

Concen: 10.784 ppbv

RT: 4.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

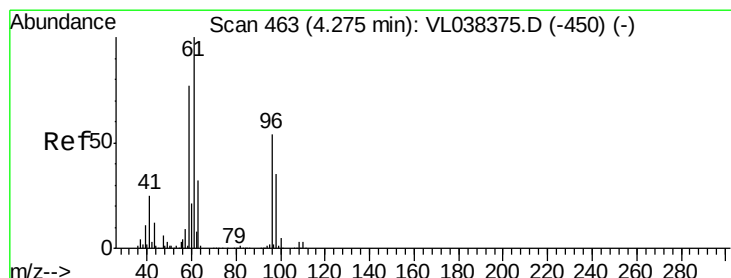
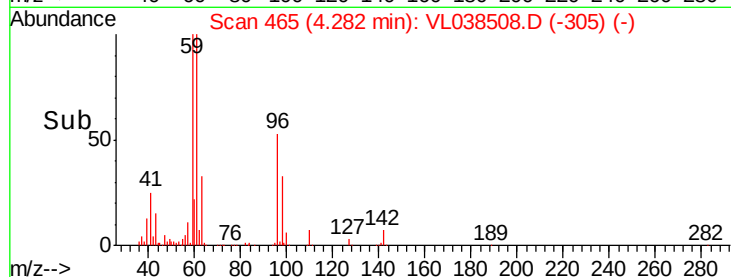
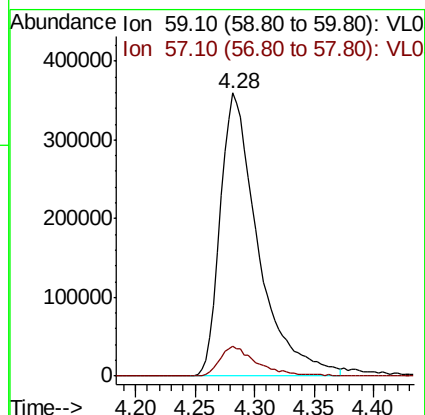
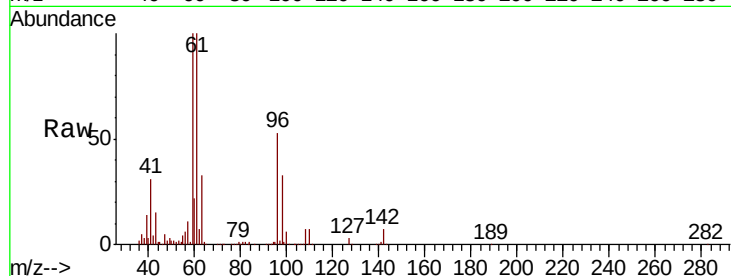
Acq: 3 Mar 2022 9:58

Tot Ion: 59 Resp: 794143

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



#18

1,1-Dichloroethene

Concen: 10.023 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

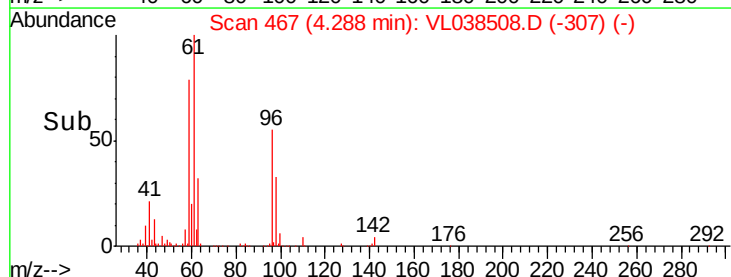
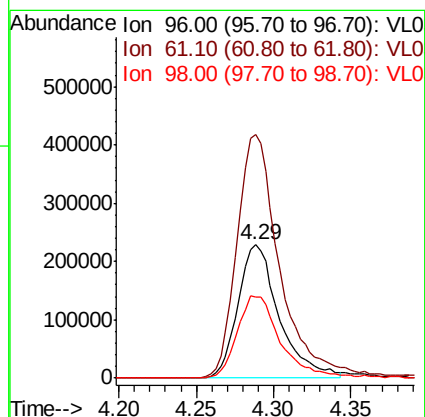
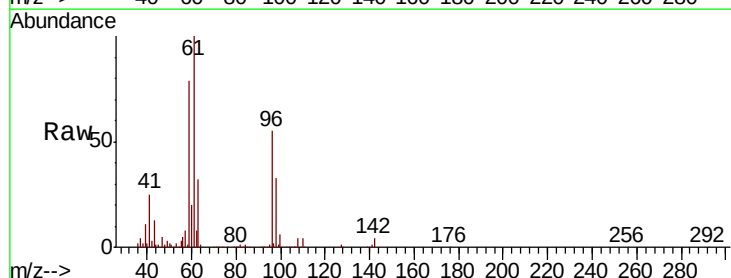
Tgt Ion: 96 Resp: 424614

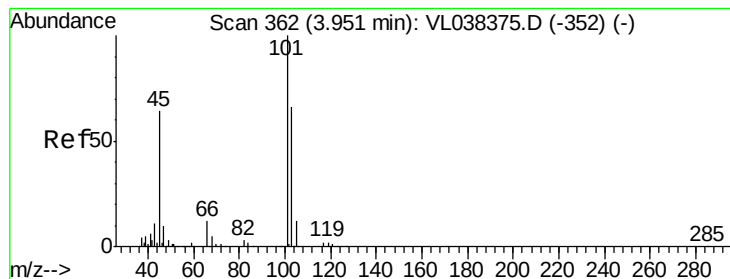
Ion Ratio Lower Upper

96 100

61 182.6 146.8 220.2

98 61.1 51.5 77.3





#19

Isopropyl Alcohol

Concen: 9.506 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

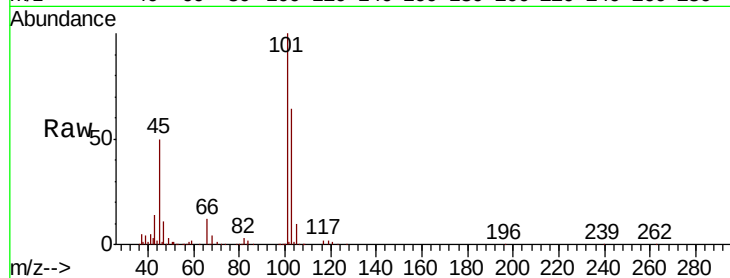
Acq: 3 Mar 2022 9:58

Tot Ion: 45 Resp: 406298

Ion Ratio Lower Upper

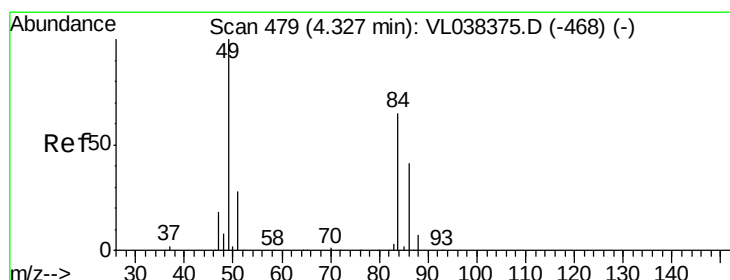
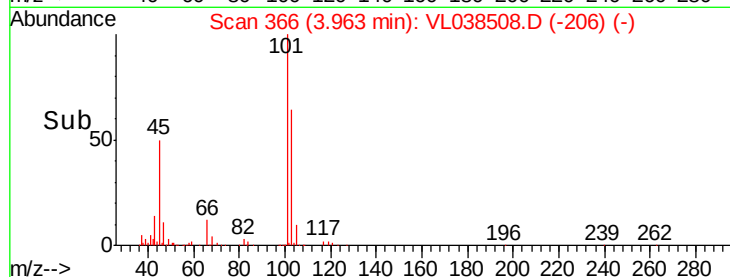
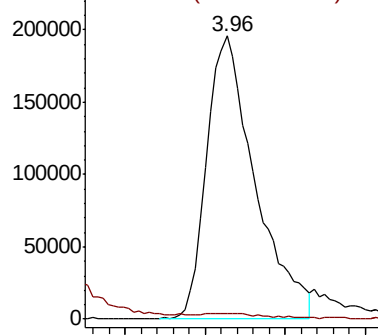
45 100

58 2.8 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.611 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

Tgt Ion: 84 Resp: 351476

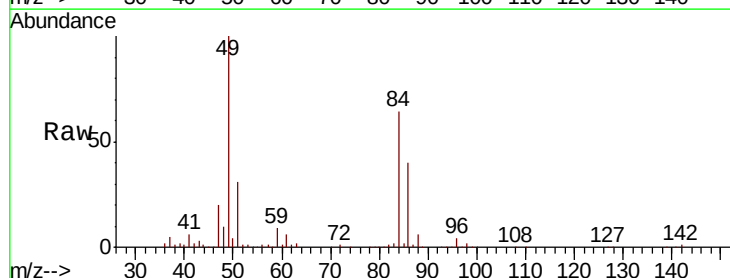
Ion Ratio Lower Upper

84 100

49 153.3 122.4 183.6

51 46.1 33.3 49.9

86 61.8 50.7 76.1

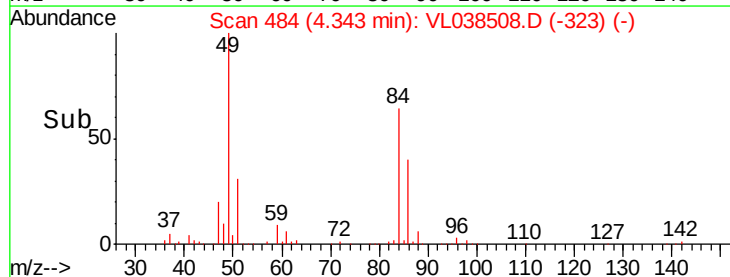
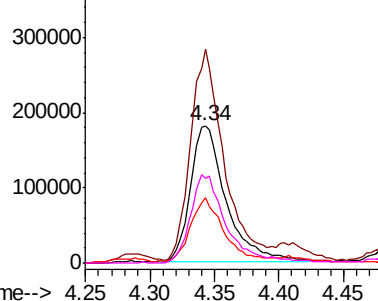


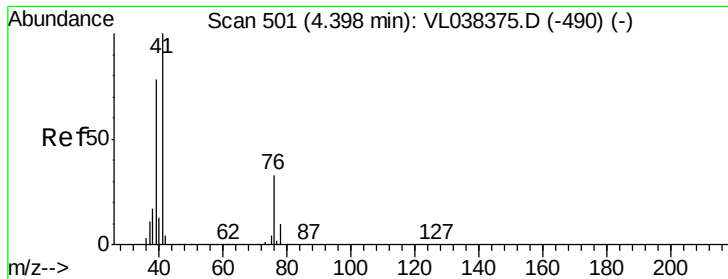
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

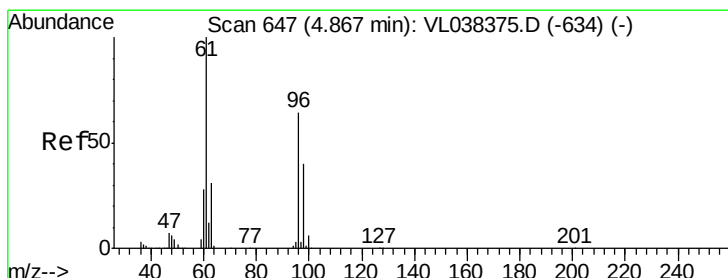
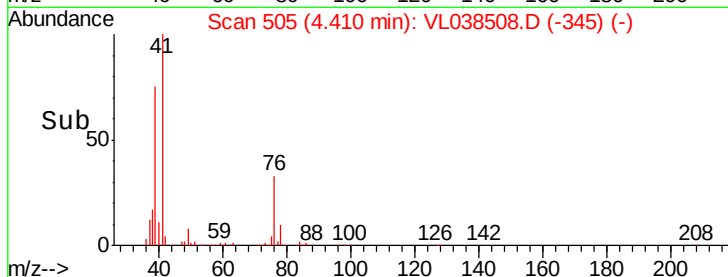
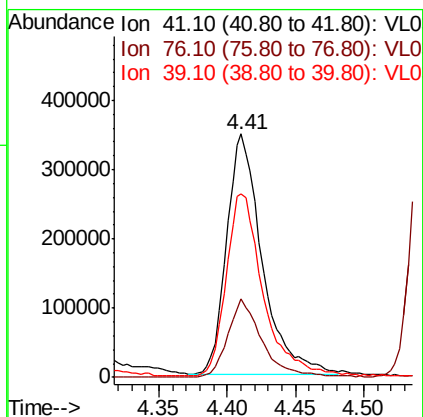
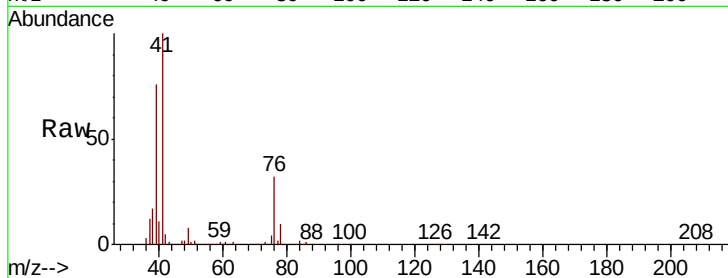
Ion 86.00 (85.70 to 86.70): VL0





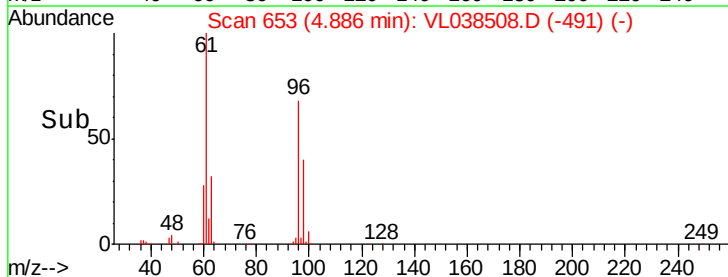
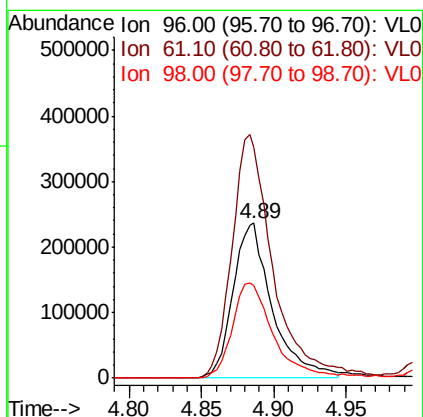
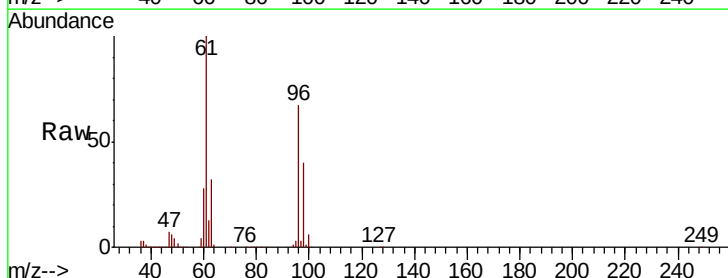
#21
 Allvl Chloride
 Concen: 10.132 ppbv
 RT: 4.41
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 3 Mar 2022 9:58

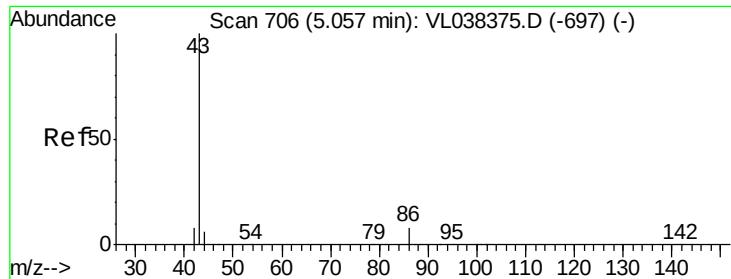
Tot Ion: 41 Resp: 631668
 Ion Ratio Lower Upper
 41 100
 76 31.6 25.4 38.0
 39 78.8 63.0 94.6



#22
 trans-1,2-Dichloroethene
 Concen: 10.373 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T.: 0.02 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

Tgt Ion: 96 Resp: 443374
 Ion Ratio Lower Upper
 96 100
 61 148.8 124.2 186.4
 98 59.8 49.1 73.7





#23

Vinyl Acetate

Concen: 10.277 ppbv

RT: 5.07 Instrument:

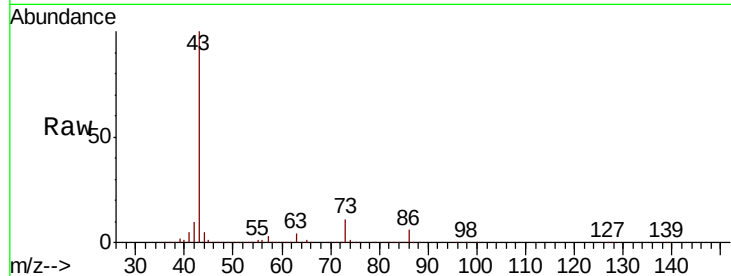
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

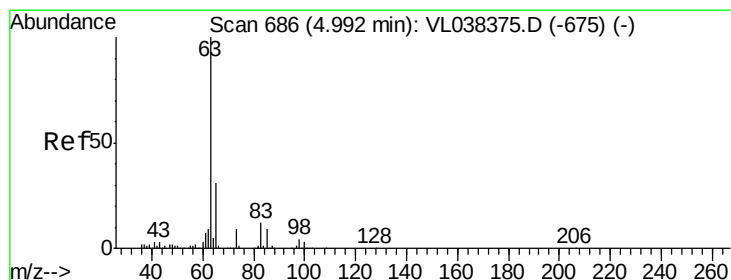
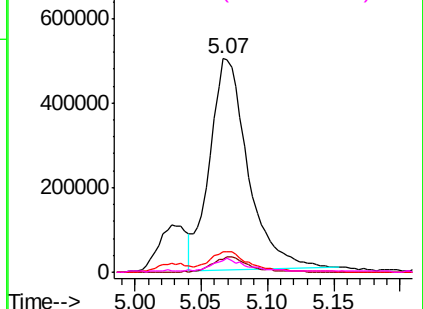
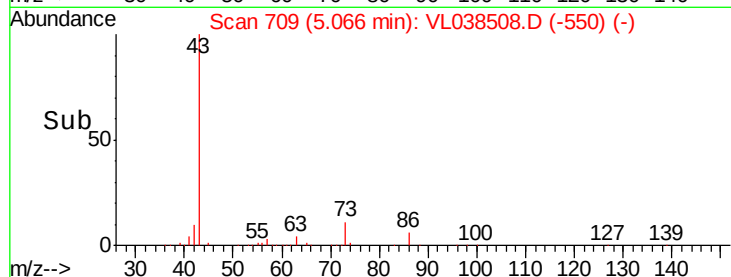
Acq: 3 Mar 2022 9:58

Tot Ion: 43 Resp: 1005274

Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.8	8.6
42	9.6	7.4	11.0
44	5.1	4.2	6.2



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: 10.101 ppbv

RT: 5.01 min Scan# 691

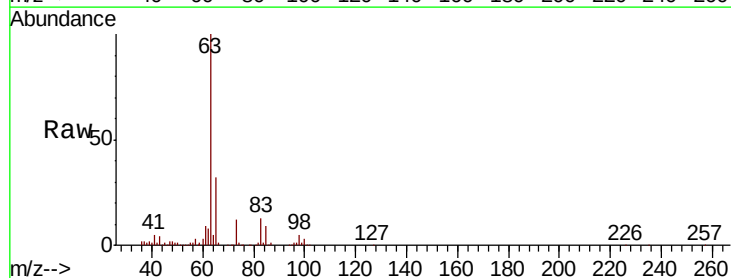
Delta R.T. 0.02 min

Lab File: VL038508.D

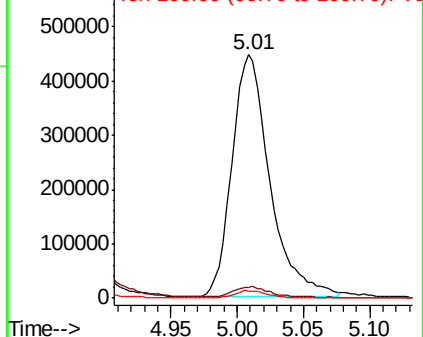
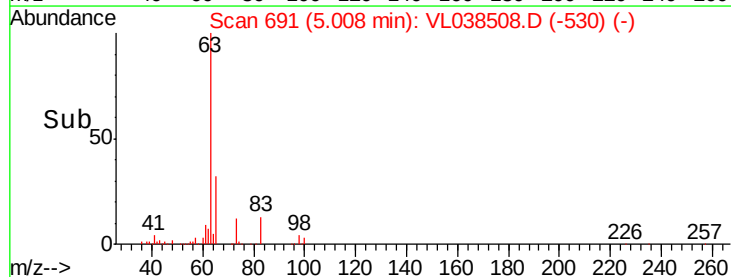
Acq: 3 Mar 2022 9:58

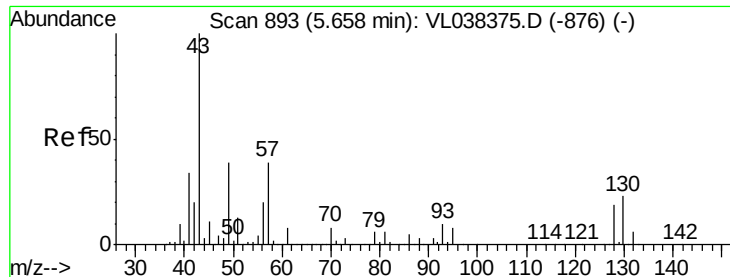
Tgt Ion: 63 Resp: 888295

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.9	1.4	4.2



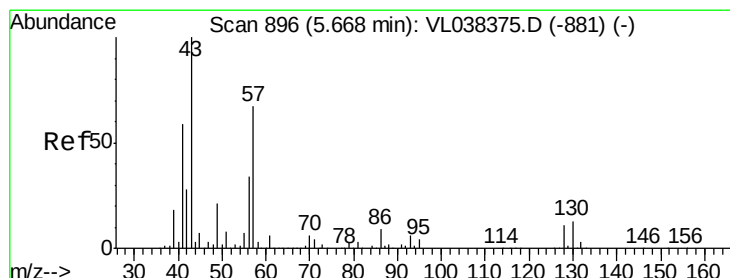
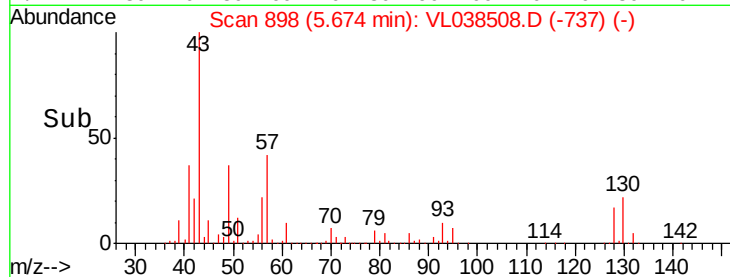
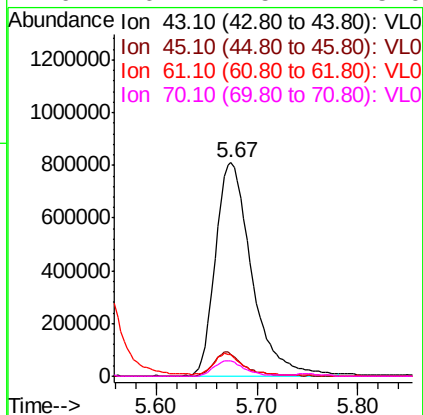
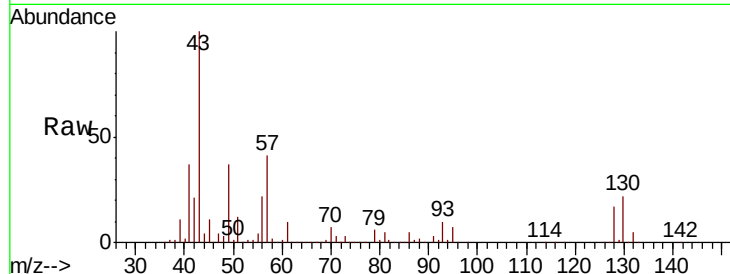
Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





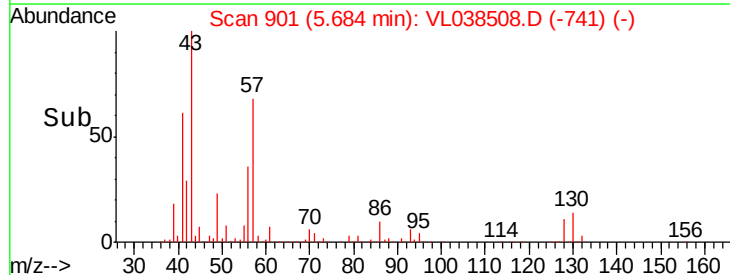
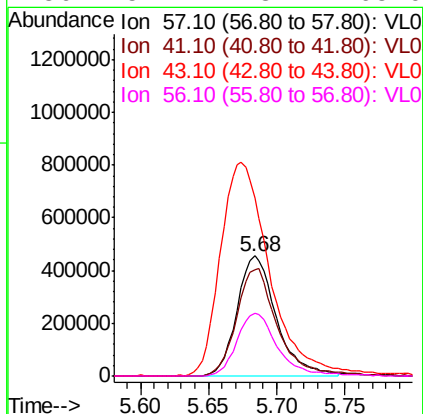
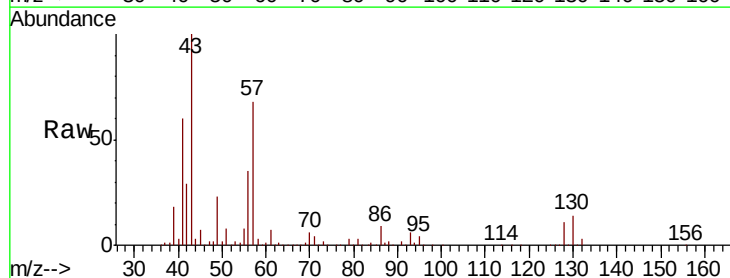
#25
Ethyl Acetate
Concen: 10.163 ppbv
RT: 5.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 3 Mar 2022 9:58

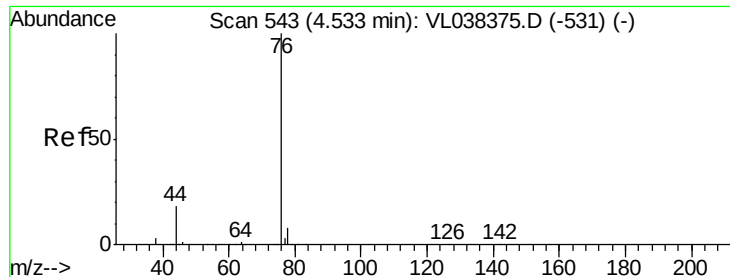
Tot Ion:	43	Resp:	2015414
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.6
61	9.2	7.5	11.3
70	6.4	5.4	8.0



#26
Hexane
Concen: 10.141 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: 0.02 min
Lab File: VL038508.D
Acq: 3 Mar 2022 9:58

Tgt Ion:	57	Resp:	910645
Ion	Ratio	Lower	Upper
57	100		
41	93.8	73.1	109.7
43	224.3	181.0	271.4
56	54.7	43.4	65.0





#27

Carbon Disulfide

Concen: 10.822 ppbv

RT: 4.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 9:58

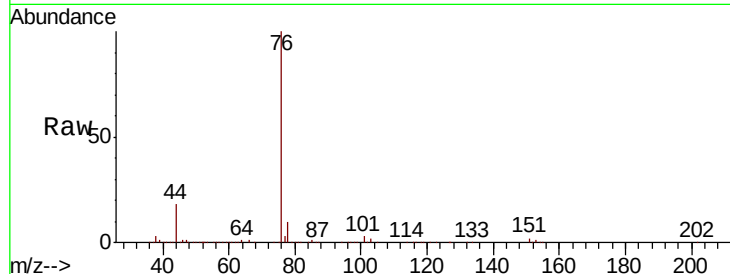
Tot Ion: 76 Resp: 1080969

Ion Ratio Lower Upper

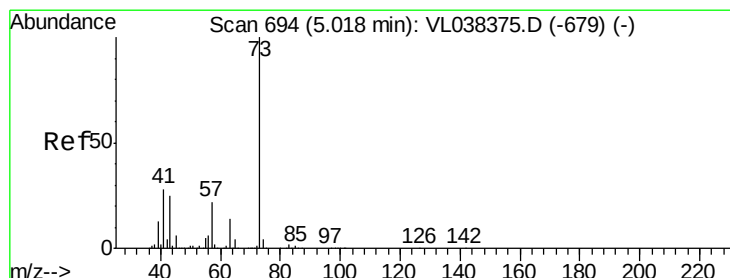
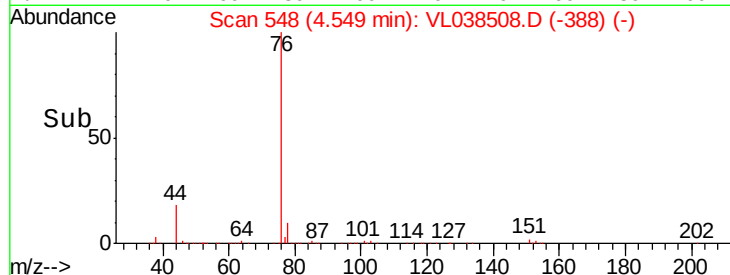
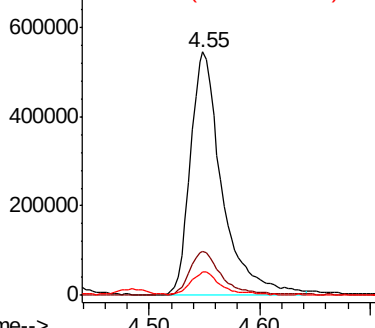
76 100

44 18.9 14.2 21.2

78 9.6 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: 10.157 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL038508.D

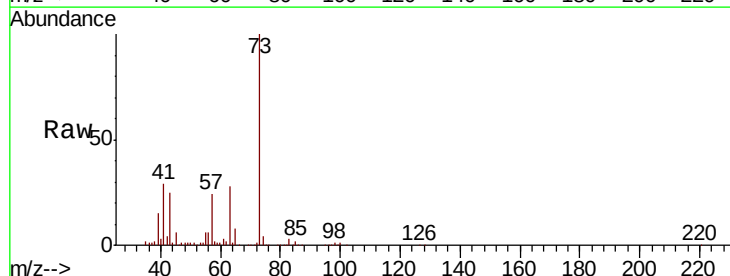
Acq: 3 Mar 2022 9:58

Tgt Ion: 73 Resp: 929066

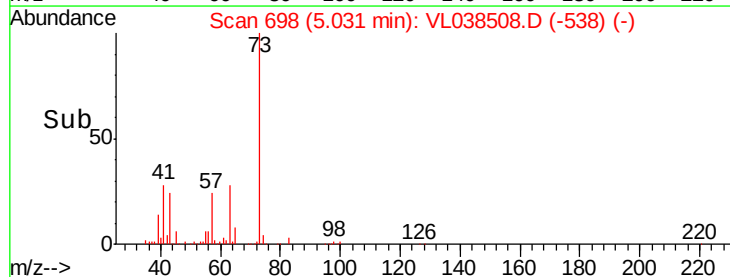
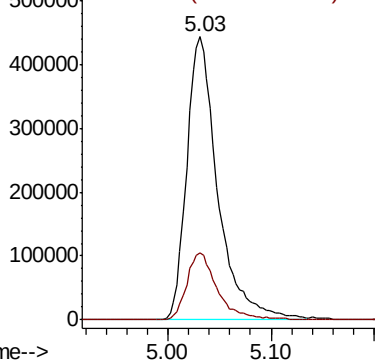
Ion Ratio Lower Upper

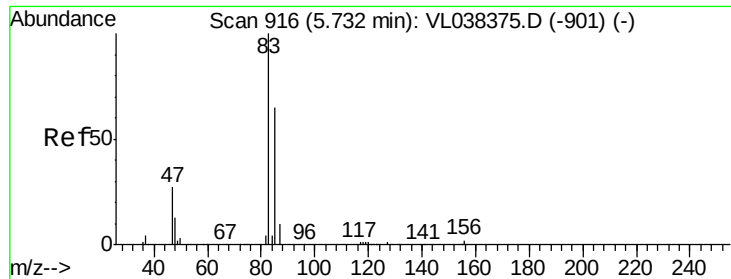
73 100

57 23.7 18.2 27.4



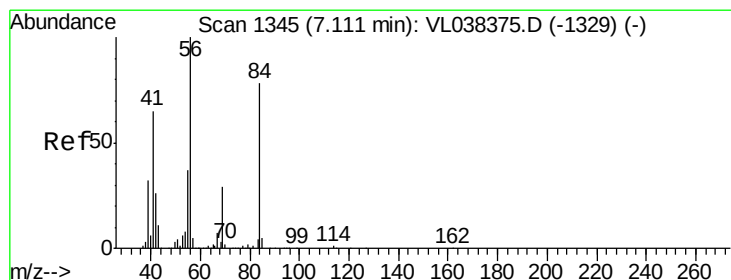
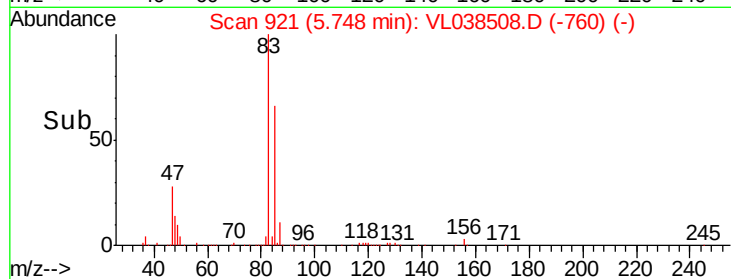
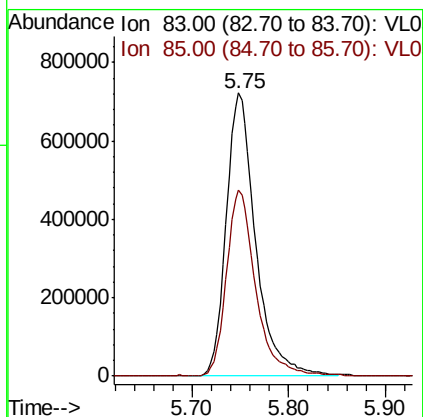
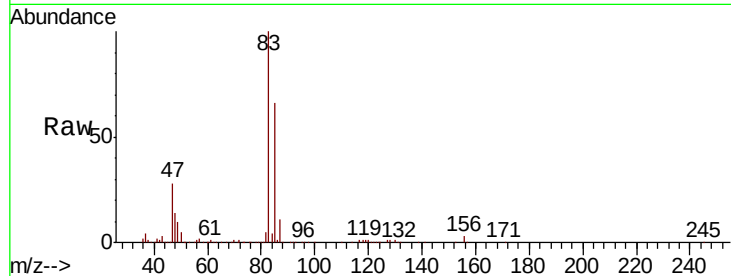
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





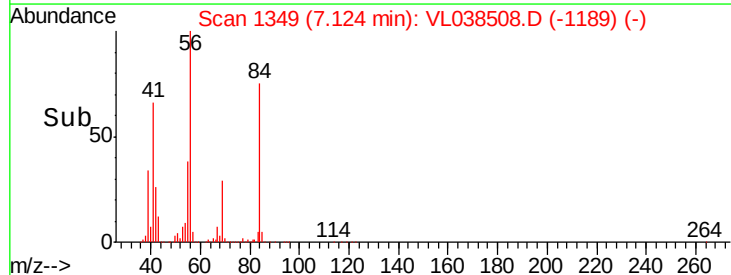
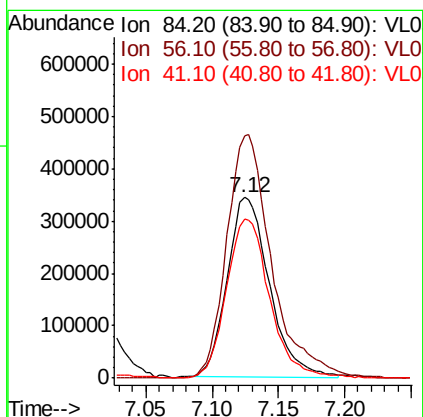
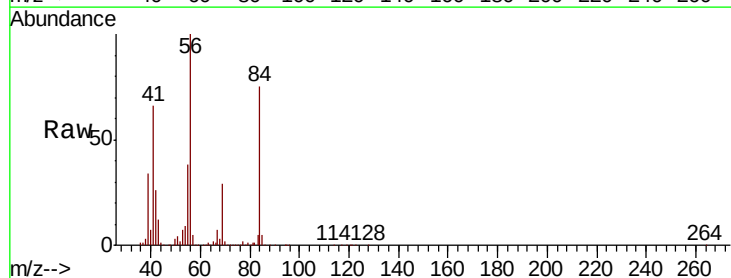
#29
Chloroform
Concen: 10.409 ppbv
RT: 5.75
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 9:58

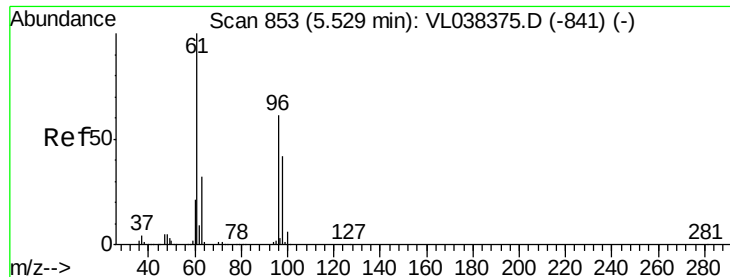
Tot Ion: 83 Resp: 152553
Ion Ratio Lower Upper
83 100
85 65.4 51.6 77.4



#30
Cyclohexane
Concen: 10.368 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL038508.D
Acq: 3 Mar 2022 9:58

Tgt Ion: 84 Resp: 761480
Ion Ratio Lower Upper
84 100
56 145.1 116.2 174.4
41 90.5 74.3 111.5





#31

cis-1,2-Dichloroethene

Concen: 10.588 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 9:58

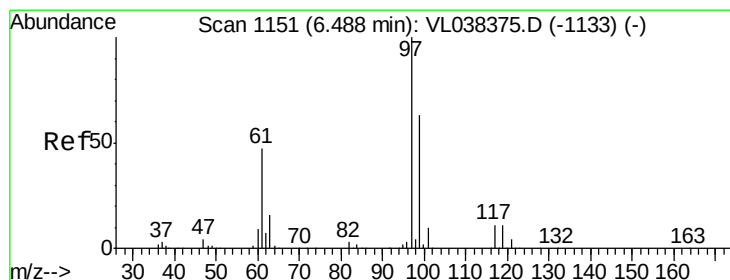
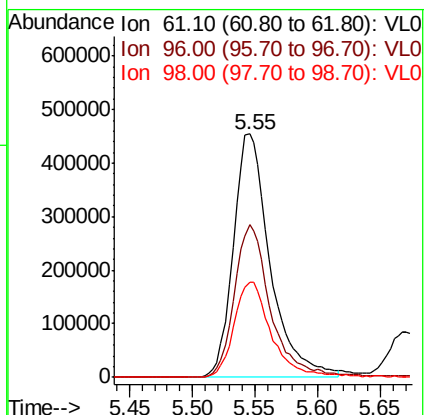
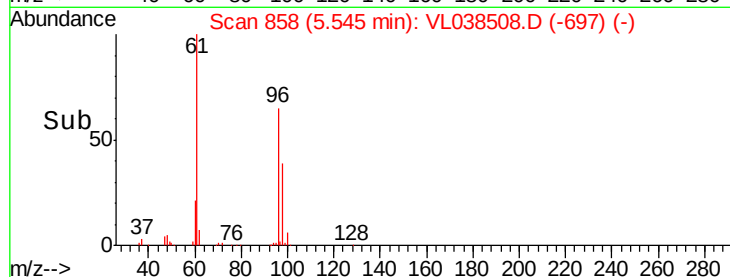
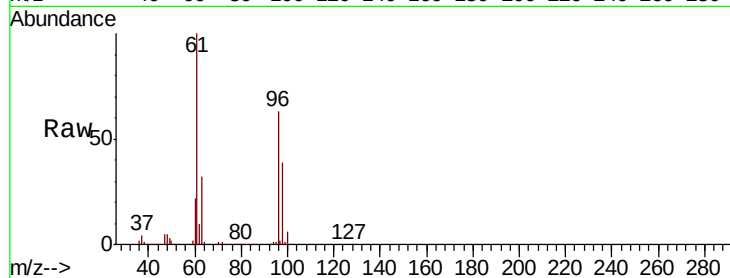
Tot Ion: 61 Resp: 921164

Ion Ratio Lower Upper

61 100

96 62.7 48.6 73.0

98 39.1 33.2 49.8



#32

1,1,1-Trichloroethane

Concen: 10.194 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

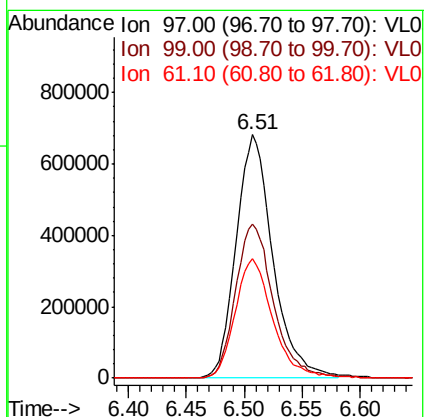
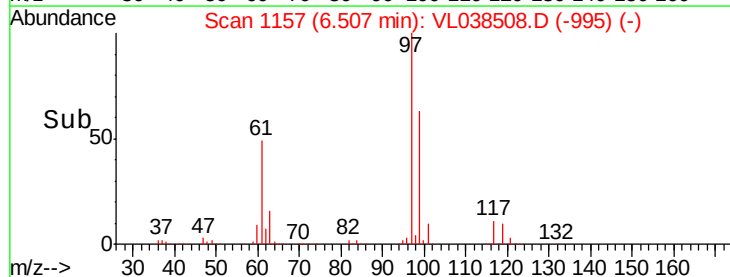
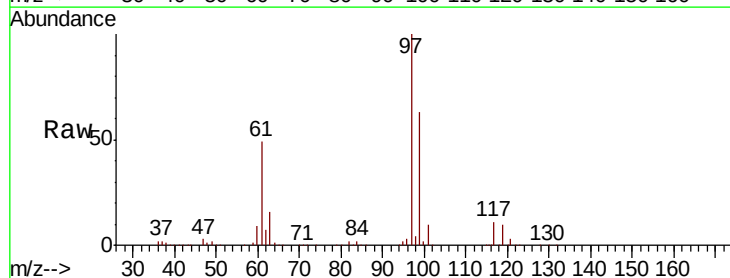
Tgt Ion: 97 Resp: 1502532

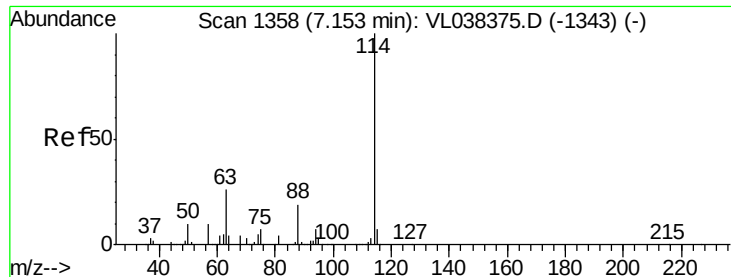
Ion Ratio Lower Upper

97 100

99 65.4 51.9 77.9

61 50.2 40.5 60.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 9:58

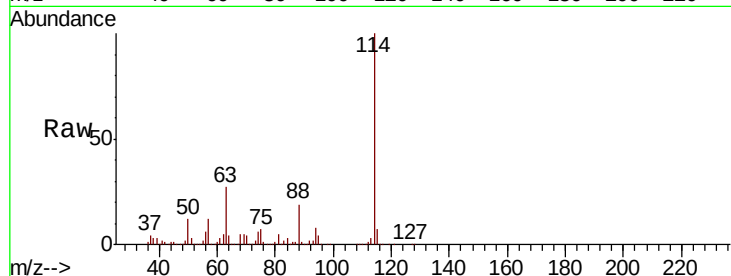
Tot Ion:114 Resp: 2046495

Ion Ratio Lower Upper

114 100

63 28.0 22.2 33.2

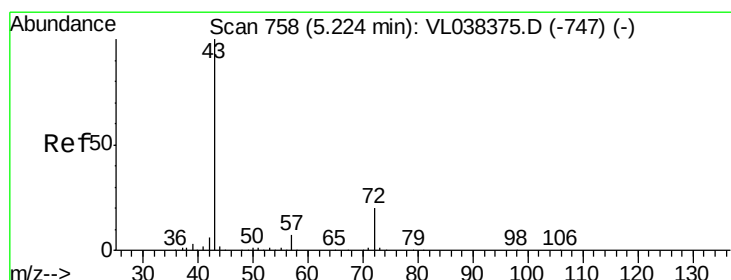
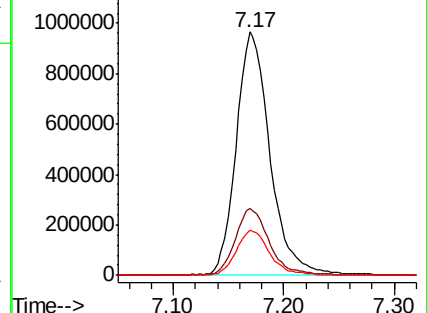
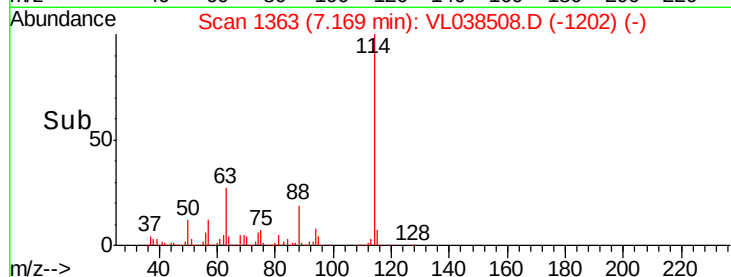
88 18.7 15.2 22.8



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: 10.720 ppbv

RT: 5.24 min Scan# 763

Delta R.T. 0.02 min

Lab File: VL038508.D

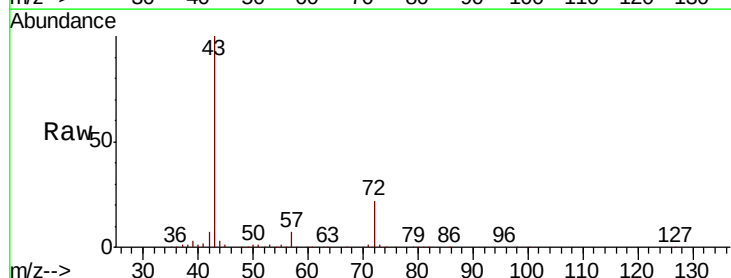
Acq: 3 Mar 2022 9:58

Tgt Ion: 43 Resp: 689973

Ion Ratio Lower Upper

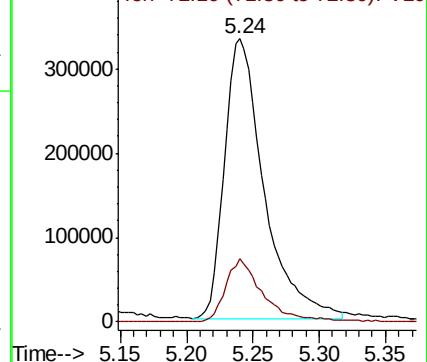
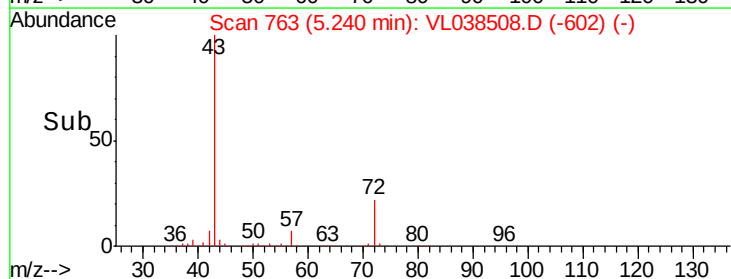
43 100

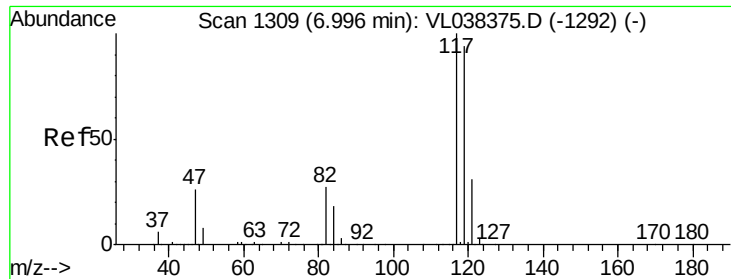
72 21.8 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.886 ppbv

RT: 7.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 9:58

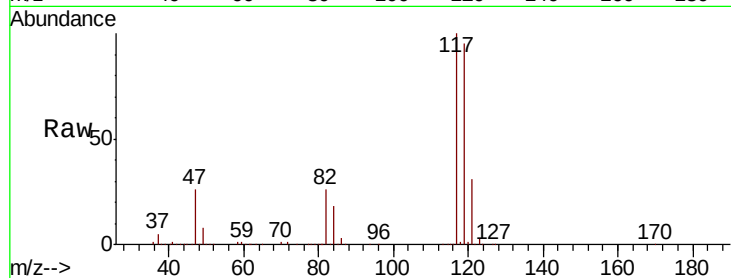
Tot Ion:117 Resp: 1566603

Ion Ratio Lower Upper

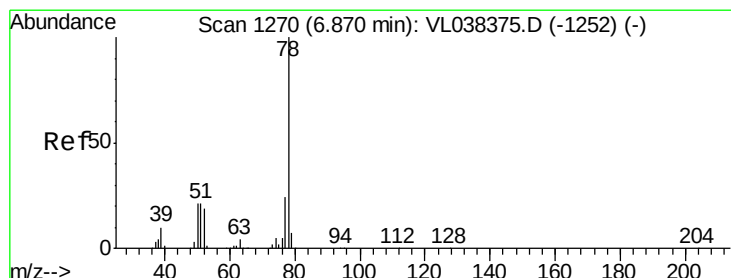
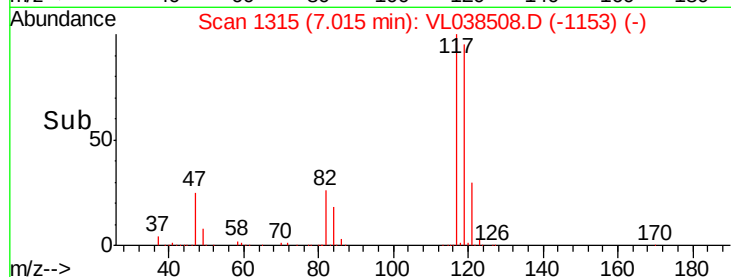
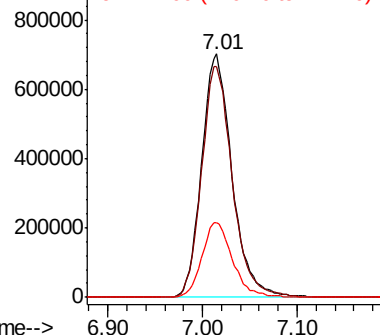
117 100

119 95.0 74.9 112.3

121 30.7 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: 10.555 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

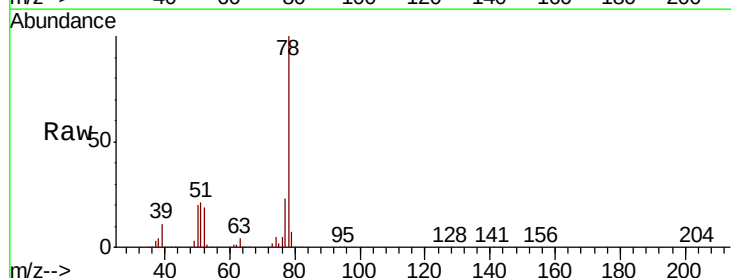
Tgt Ion: 78 Resp: 1901634

Ion Ratio Lower Upper

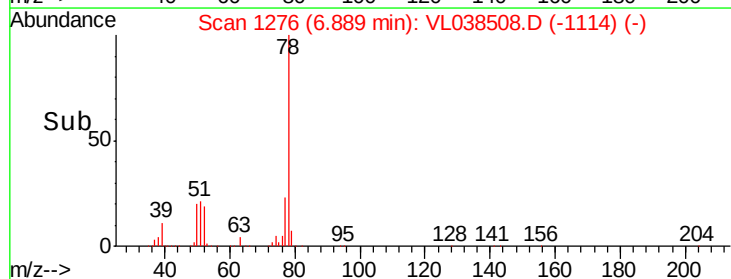
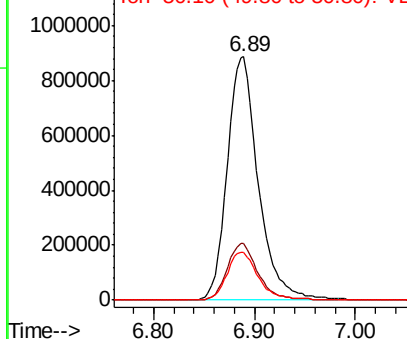
78 100

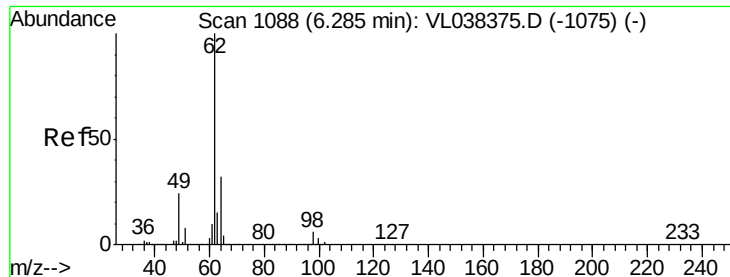
77 23.0 19.0 28.6

50 19.7 16.6 24.8



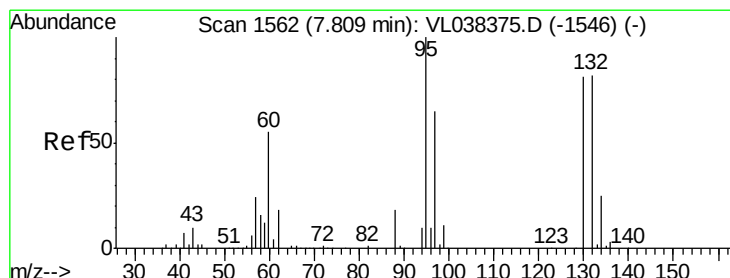
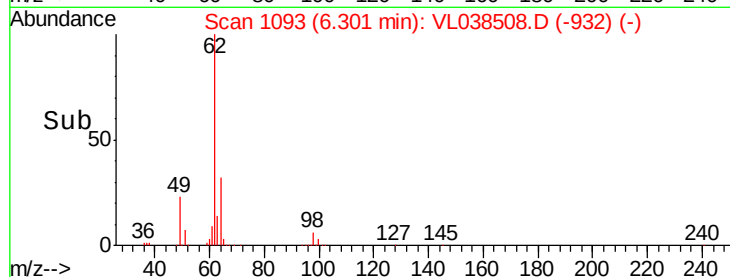
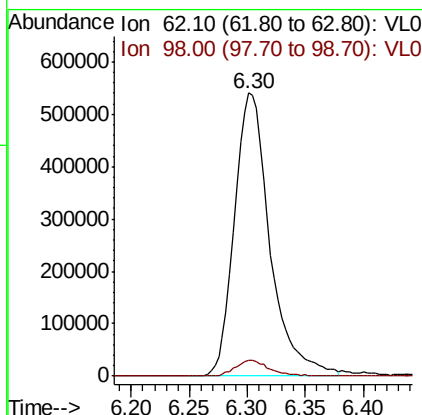
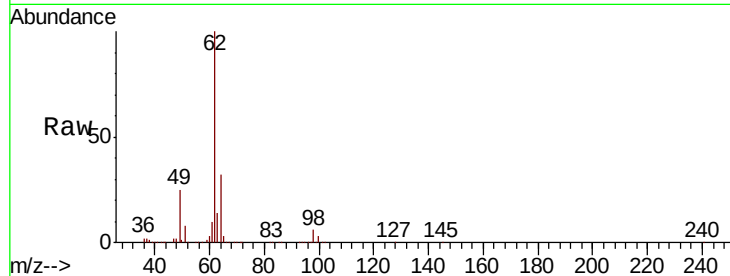
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





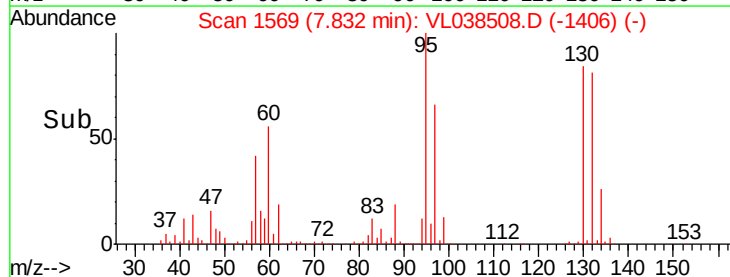
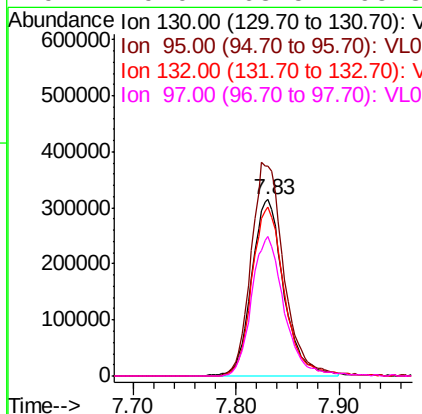
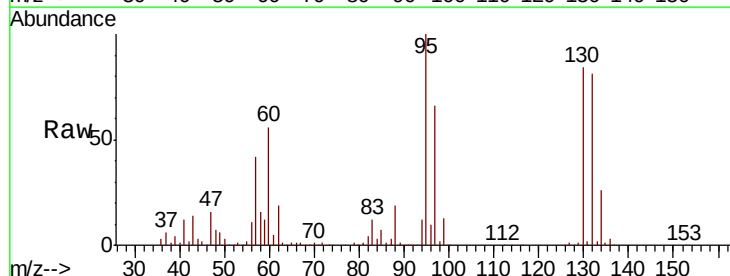
#37
 1,2-Dichloroethane
 Concen: 11.017 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 3 Mar 2022 9:58

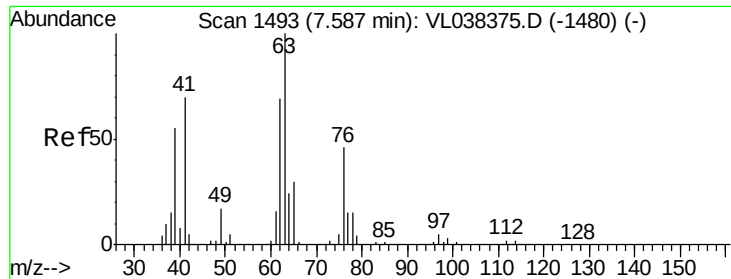
Tot Ion: 62 Resp: 1147012
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.6 7.0



#38
 Trichloroethene
 Concen: 10.358 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T.: 0.02 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

Tgt Ion: 130 Resp: 679726
 Ion Ratio Lower Upper
 130 100
 95 119.0 98.1 147.1
 132 96.0 80.3 120.5
 97 79.0 63.5 95.3





#39

1,2-Dichloropropane

Concen: 10.523 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 9:58

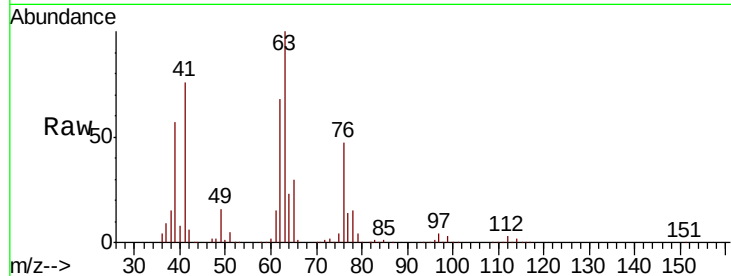
Tot Ion: 63 Resp: 755100

Ion Ratio Lower Upper

63 100

41 76.2 56.1 84.1

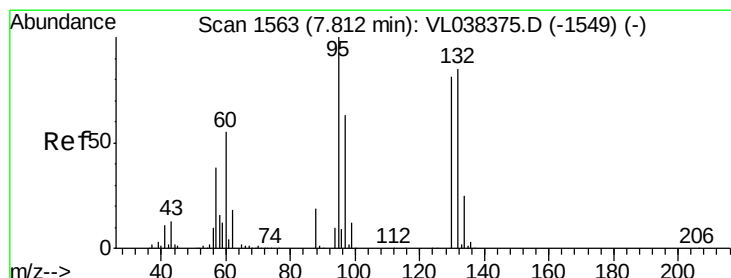
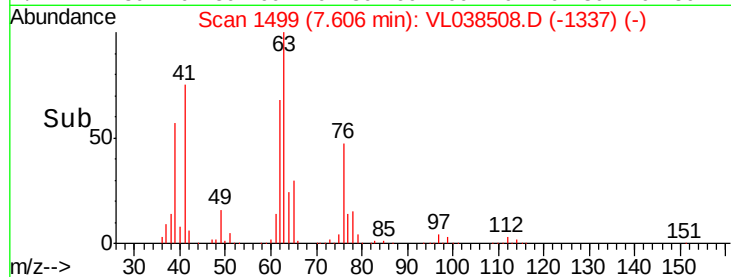
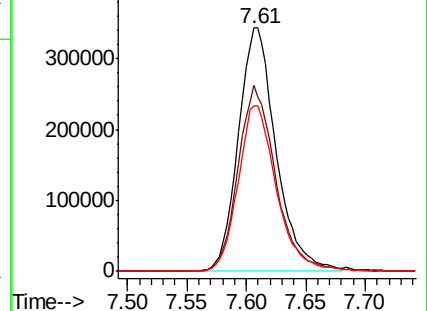
62 68.1 55.5 83.3



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: 4.210 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

Tgt Ion: 88 Resp: 71661

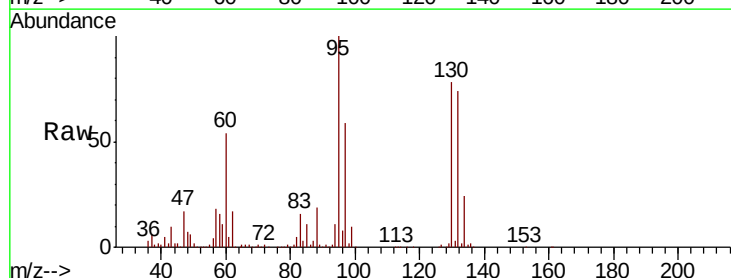
Ion Ratio Lower Upper

88 100

58 0.0 133.2 199.8#

43 0.0 330.6 496.0#

57 0.0 1462.7 2194.1#

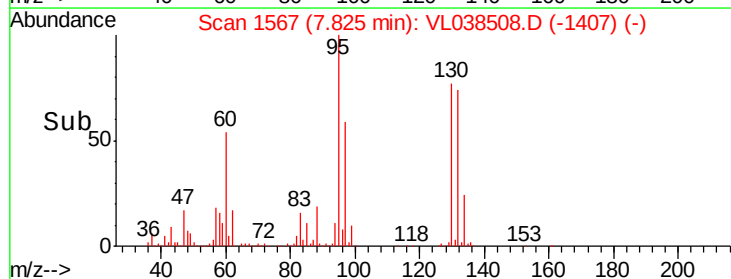
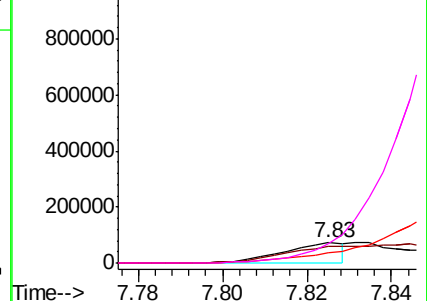


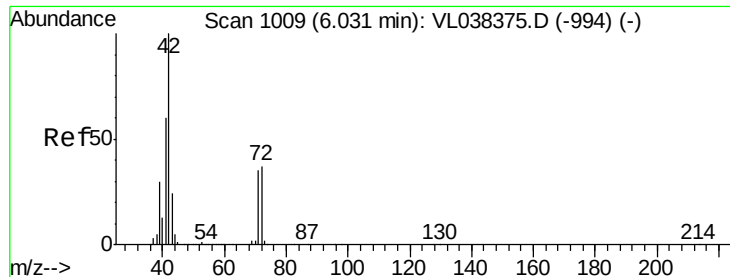
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

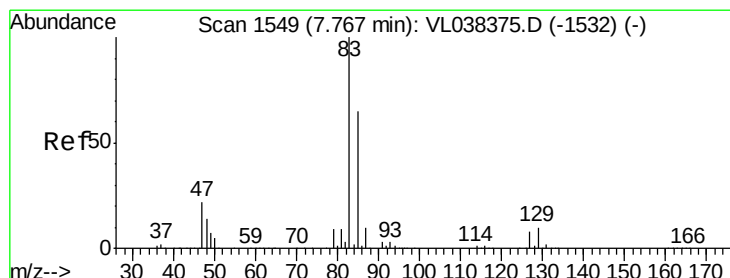
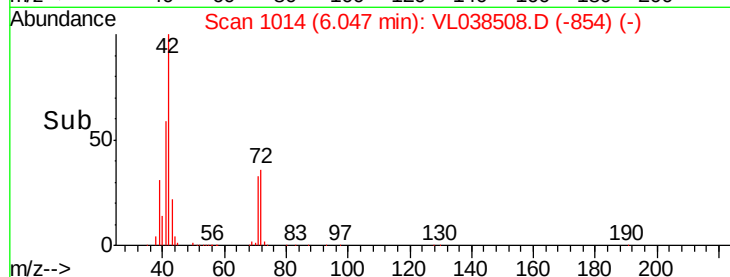
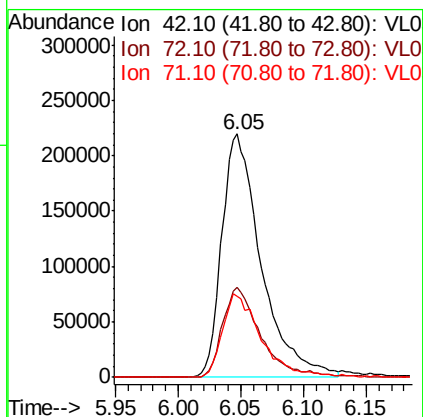
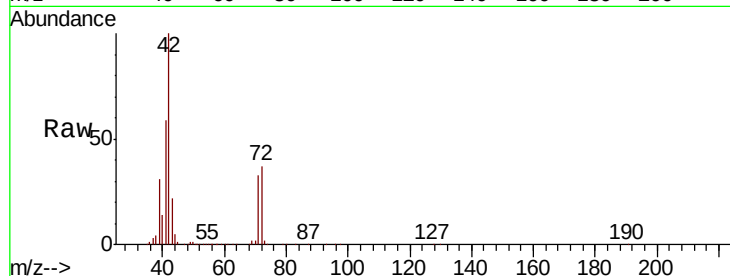
Ion 57.10 (56.80 to 57.80): VL0





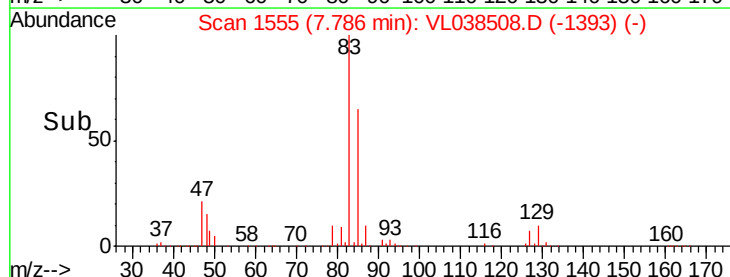
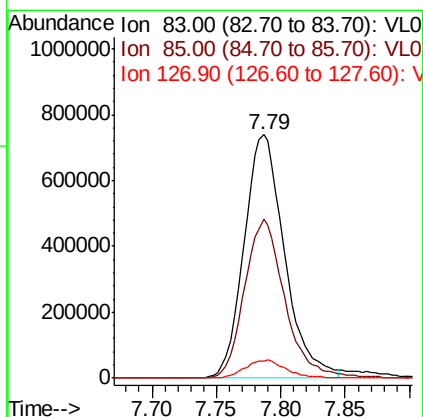
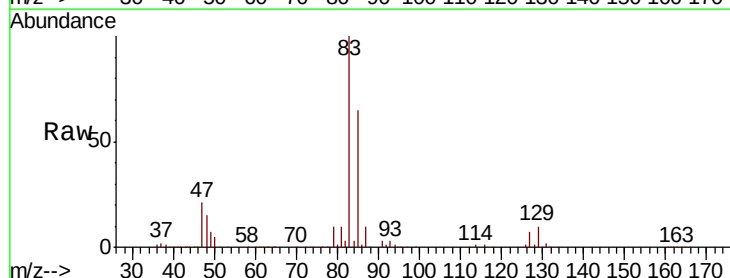
#41
Tetrahydrofuran
Concen: 10.955 ppbv
RT: 6.05
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 3 Mar 2022 9:58

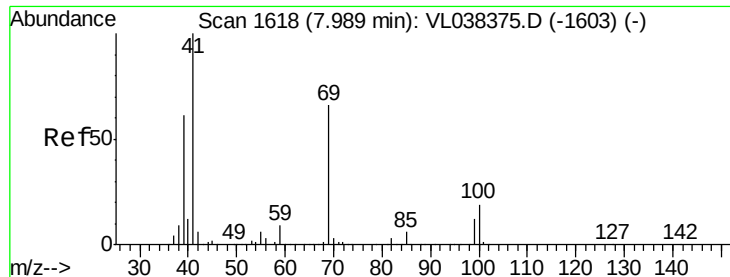
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	29.9	44.9
71	34.4	28.6	42.8



#42
Bromodichloromethane
Concen: 10.758 ppbv
RT: 7.79 min Scan# 1555
Delta R.T.: 0.02 min
Lab File: VL038508.D
Acq: 3 Mar 2022 9:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	7.2	6.2	9.4





#43

Methyl Methacrylate

Concen: 11.121 ppbv

RT: 8.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 9:58

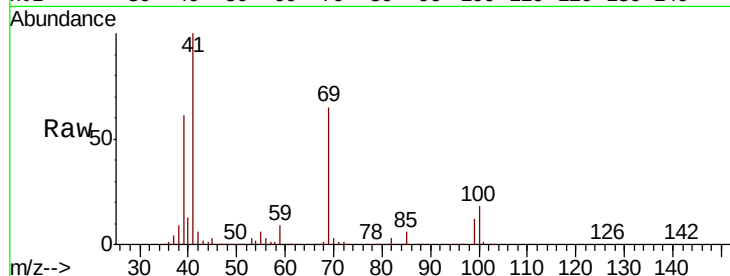
Tot Ion: 69 Resp: 696528

Ion Ratio Lower Upper

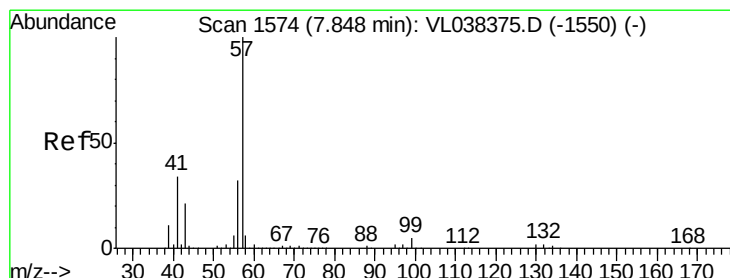
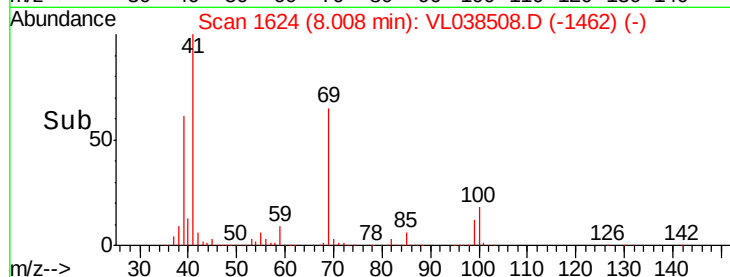
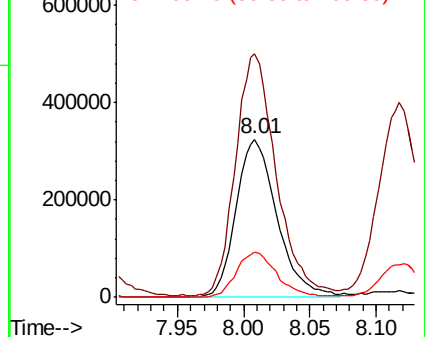
69 100

41 154.9 122.9 184.3

100 28.7 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: 10.618 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

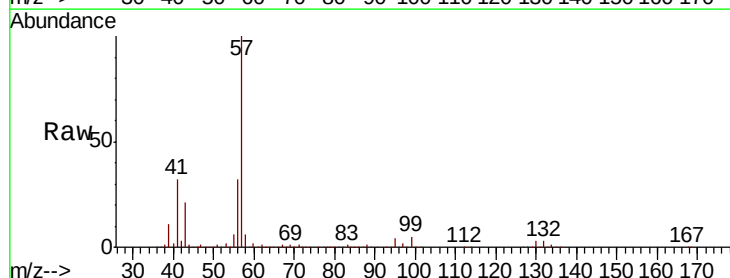
Tgt Ion: 57 Resp: 3287969

Ion Ratio Lower Upper

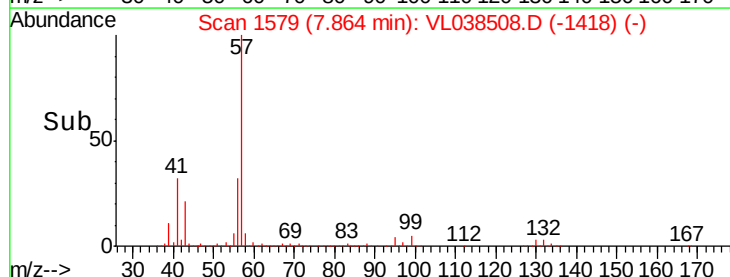
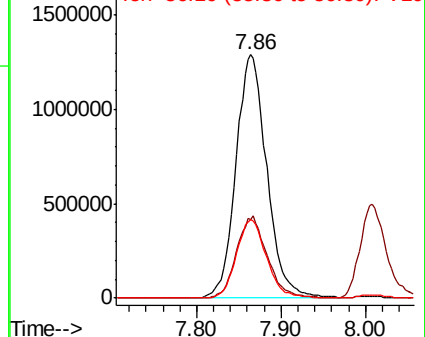
57 100

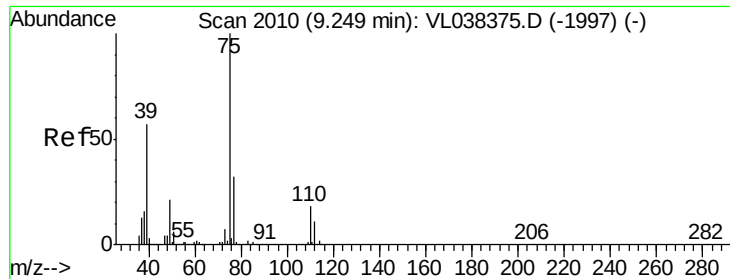
41 33.3 26.6 39.8

56 31.5 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: 11.576 ppbv

RT: 9.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

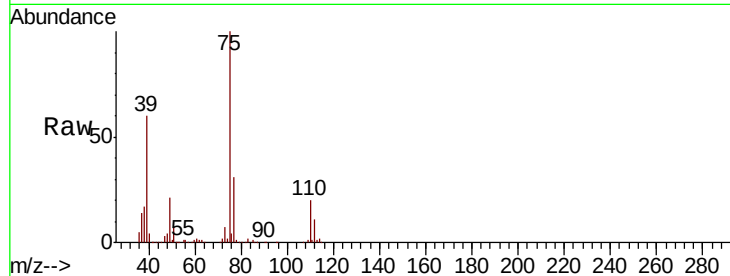
Acq: 3 Mar 2022 9:58

Tot Ion: 75 Resp: 579424

Ion Ratio Lower Upper

75 100

77 31.2 25.4 38.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.27

300000

250000

200000

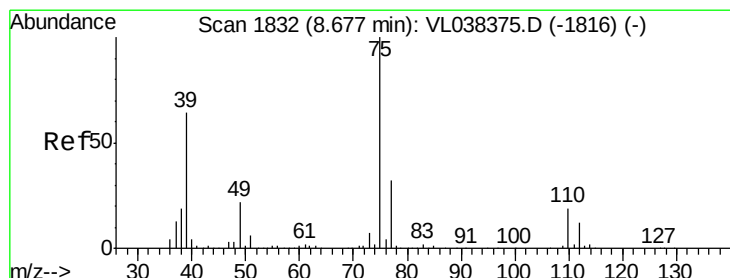
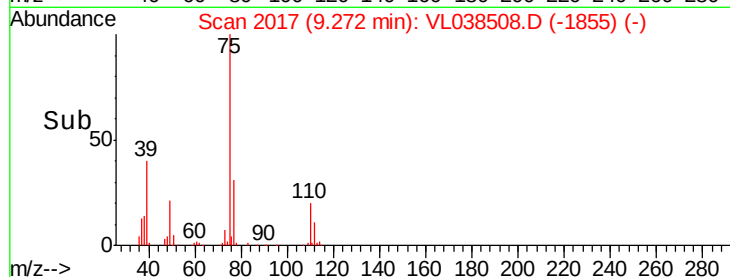
150000

100000

50000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.104 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

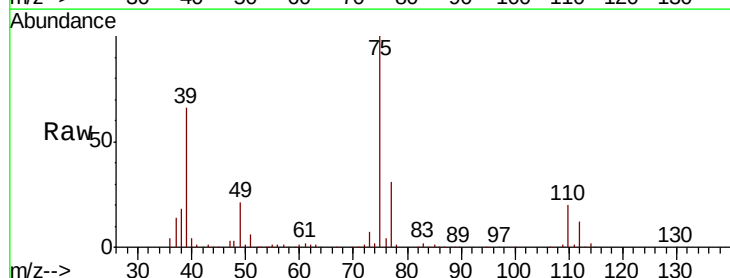
Tgt Ion: 75 Resp: 728462

Ion Ratio Lower Upper

75 100

39 66.2 51.4 77.2

77 31.1 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

8.70

400000

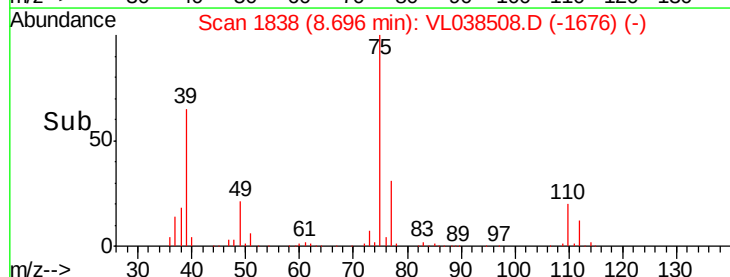
300000

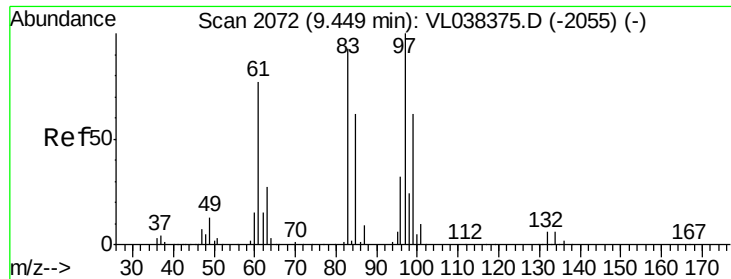
200000

100000

0

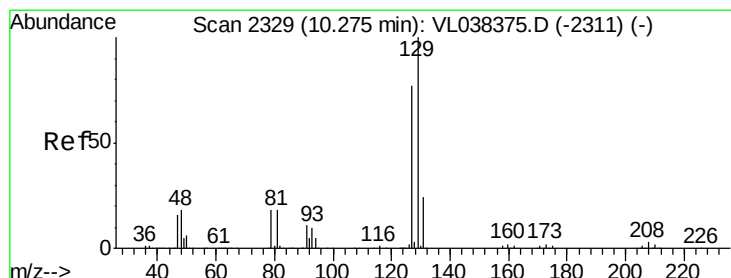
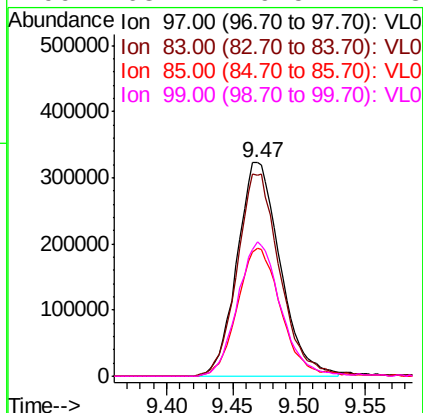
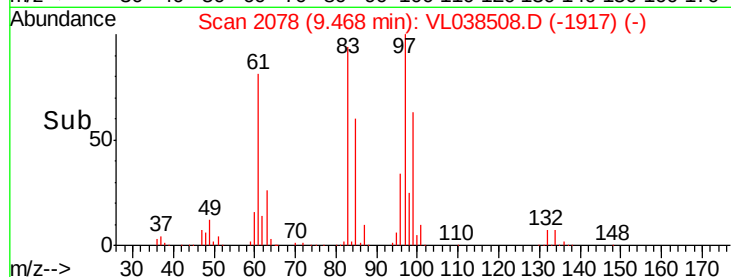
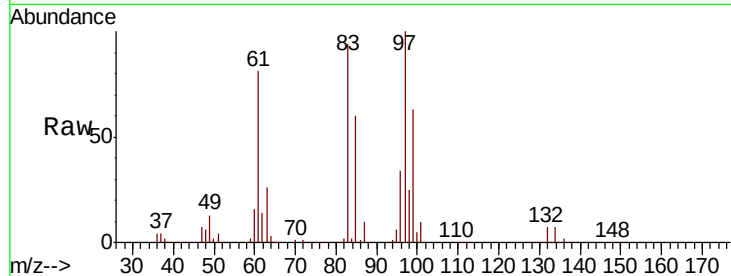
Time-->





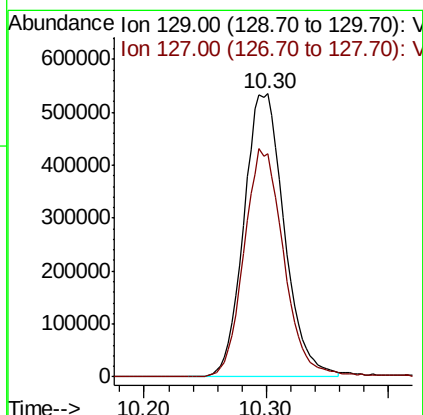
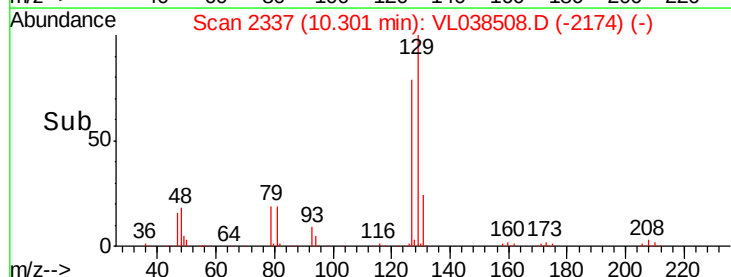
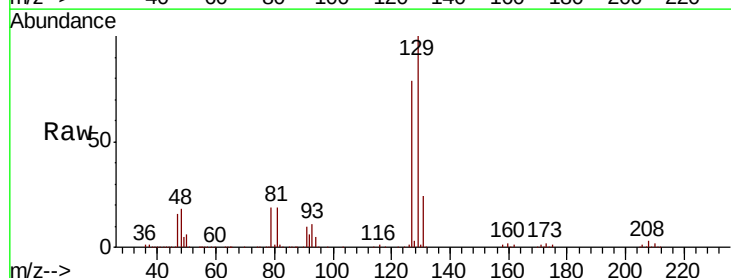
#47
 1,1,2-Trichloroethane
 Concen: 10.242 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 9:58

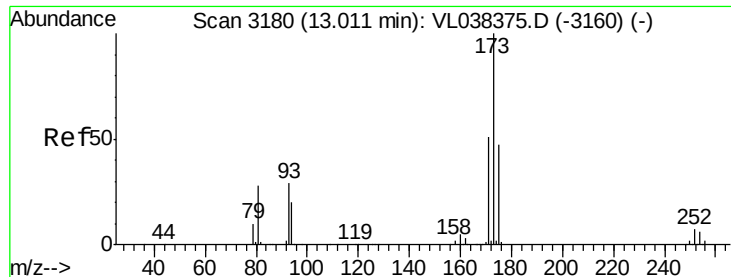
Tot Ion:	97	Resp:	731182
Ion	Ratio	Lower	Upper
97	100		
83	93.8	74.2	111.4
85	59.6	49.8	74.8
99	63.1	49.5	74.3



#48
 Dibromochloromethane
 Concen: 10.489 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.03 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

Tgt Ion:	129	Resp:	1224505
Ion	Ratio	Lower	Upper
129	100		
127	80.0	39.4	118.1





#49

Bromoform

Concen: 9.723 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

Acq: 3 Mar 2022 9:58

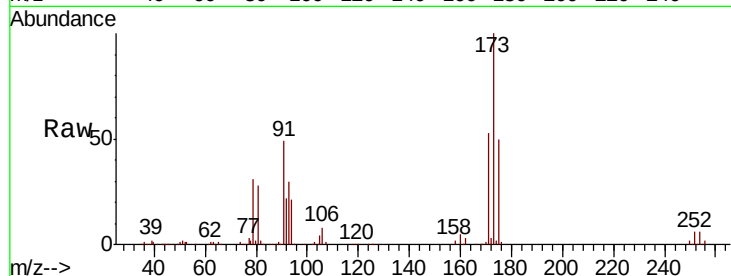
Tot Ion: 173 Resp: 837848

Ion Ratio Lower Upper

173 100

175 50.1 40.2 60.2

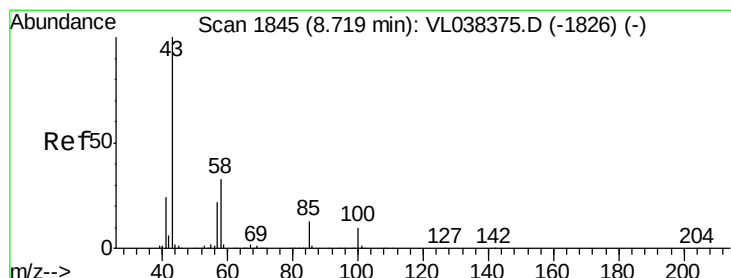
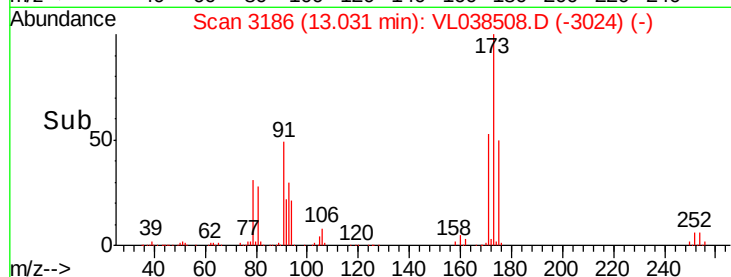
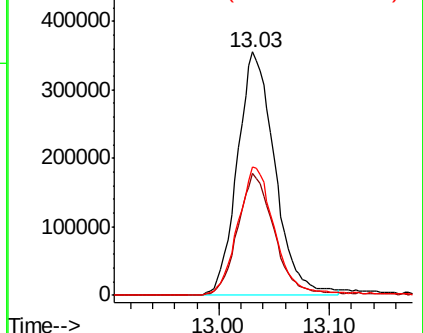
171 53.4 42.7 64.1



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: 11.382 ppbv

RT: 8.73 min Scan# 1850

Delta R.T. 0.02 min

Lab File: VL038508.D

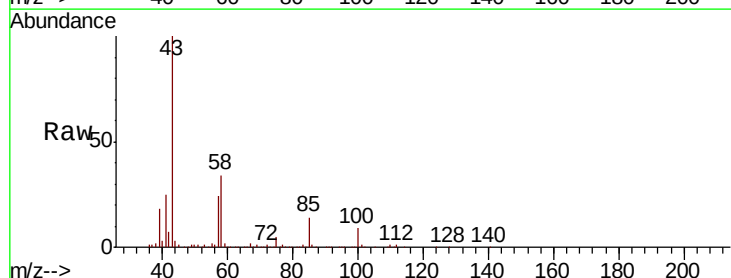
Acq: 3 Mar 2022 9:58

Tgt Ion: 43 Resp: 1295205

Ion Ratio Lower Upper

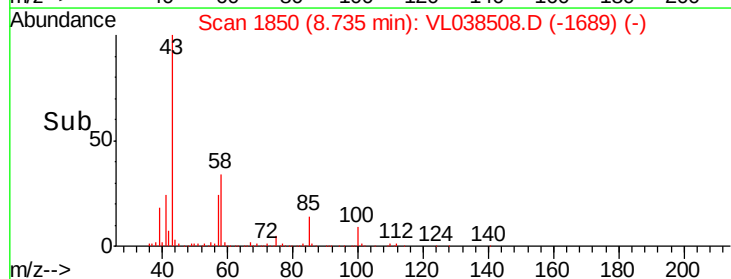
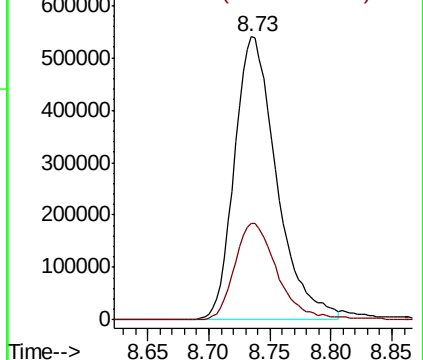
43 100

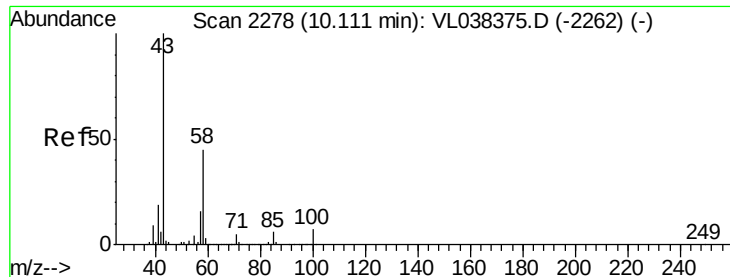
58 35.1 27.7 41.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

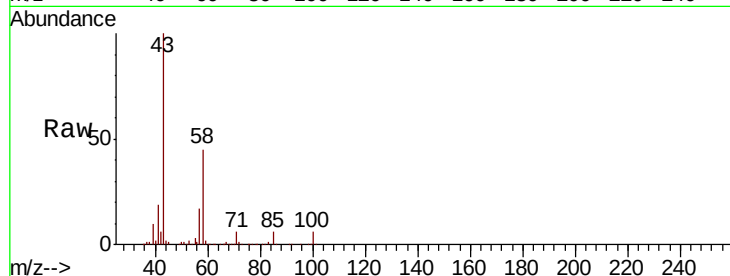
Ion 58.10 (57.80 to 58.80): VL0





#51
2-Hexanone
Concen: 11.067 ppbv
RT: 10.13 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 9:58

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.8	37.4	56.0
98	0.6	0.1	0.1#

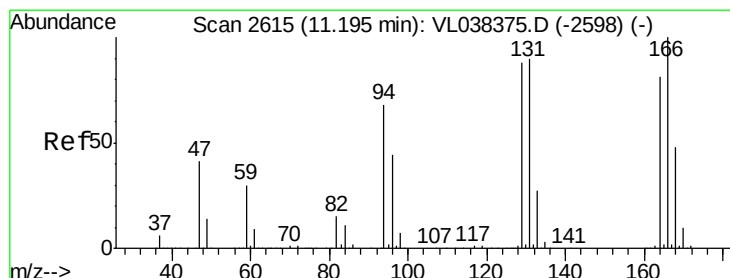
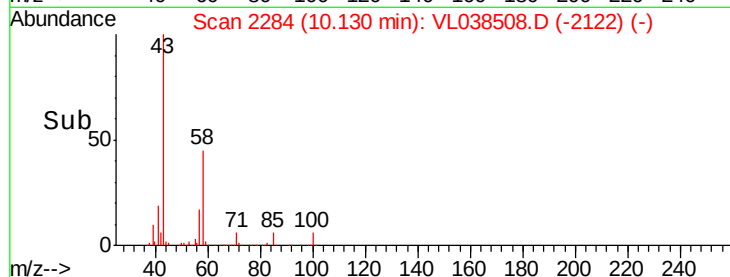
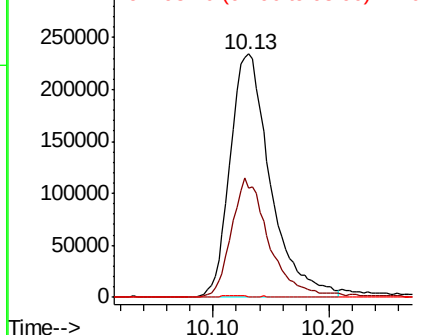


Abundance

Ion 43.10 (42.80 to 43.80): VL0

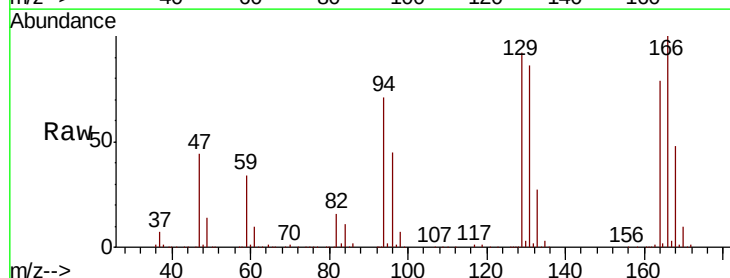
Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52
Tetrachloroethene
Concen: 9.461 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. 0.02 min
Lab File: VL038508.D
Acq: 3 Mar 2022 9:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	98.6	148.0
129	117.0	86.9	130.3
131	109.3	88.6	133.0



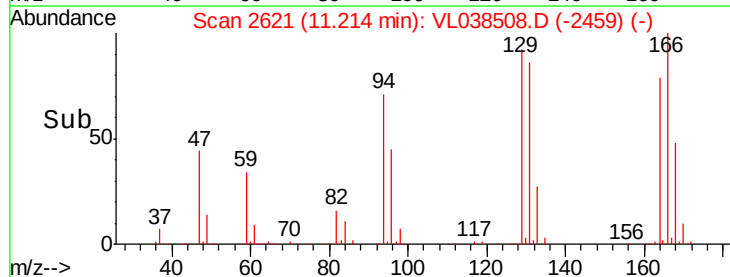
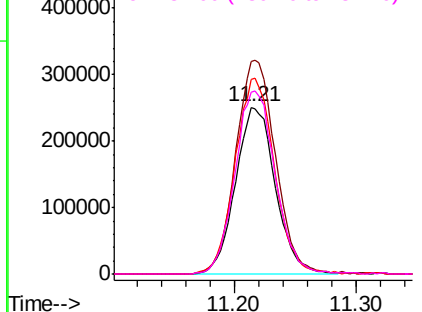
Abundance

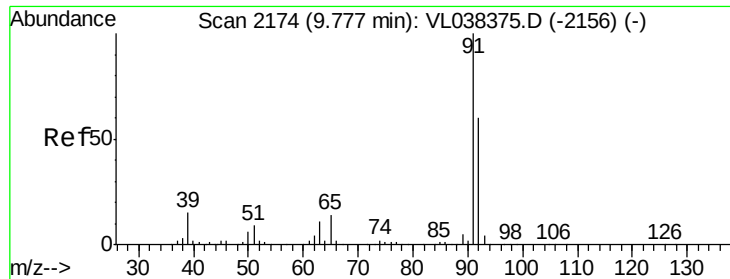
Ion 163.90 (163.60 to 164.60): V

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: 10.639 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

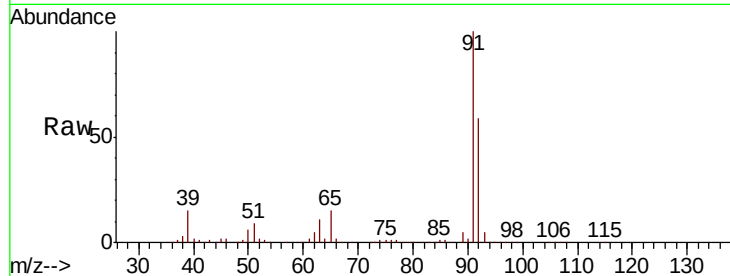
Acq: 3 Mar 2022 9:58

Tot Ion: 91 Resp: 2081066

Ion Ratio Lower Upper

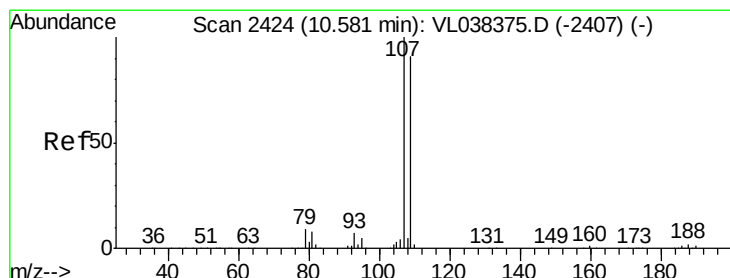
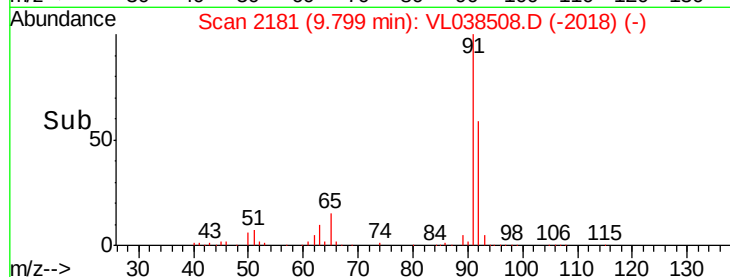
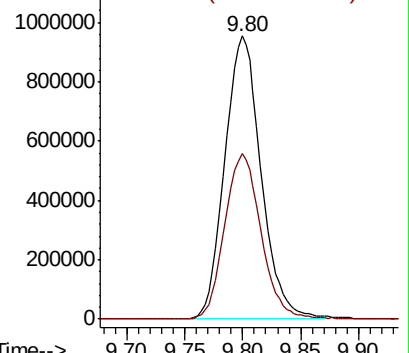
91 100

92 59.1 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.463 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. 0.02 min

Lab File: VL038508.D

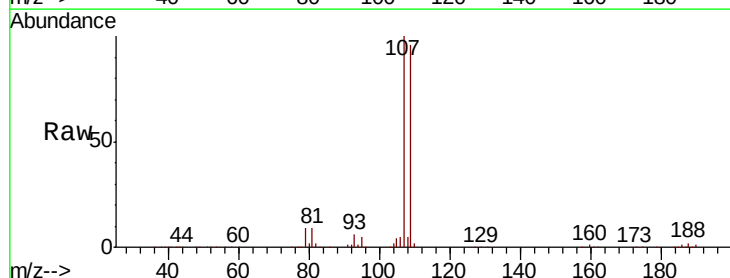
Acq: 3 Mar 2022 9:58

Tgt Ion:107 Resp: 1051537

Ion Ratio Lower Upper

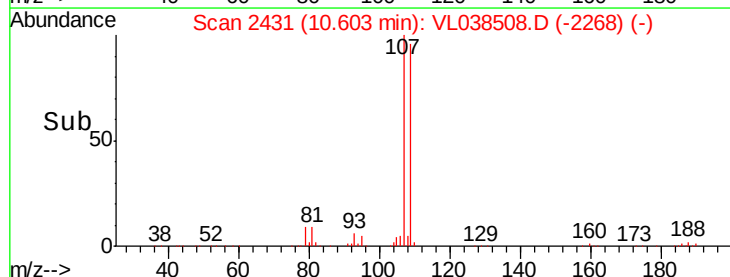
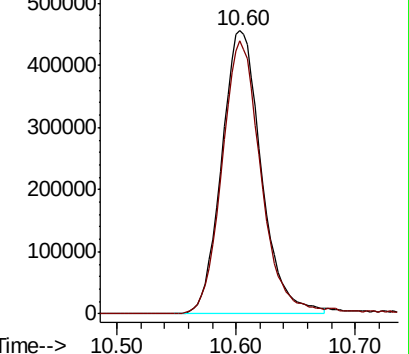
107 100

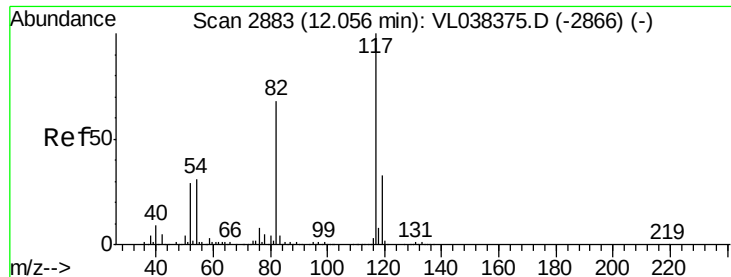
109 96.3 73.0 109.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 9:58

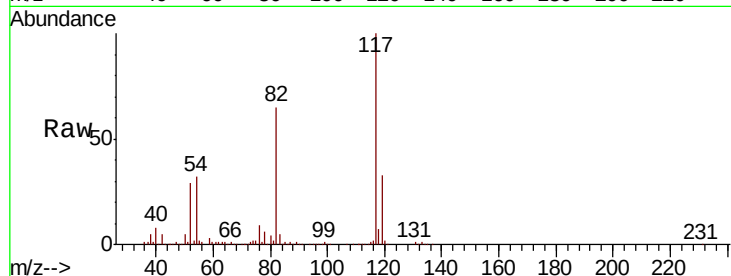
Tot Ion:117 Resp: 2409259

Ion Ratio Lower Upper

117 100

82 56.1 54.9 82.3

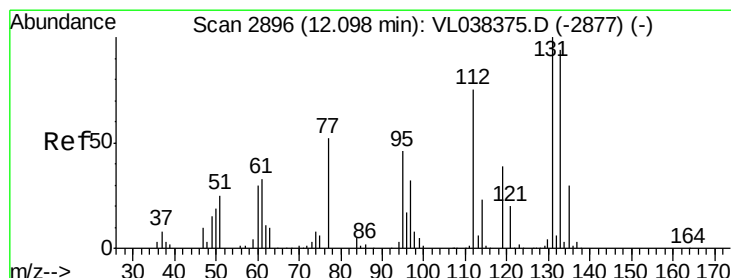
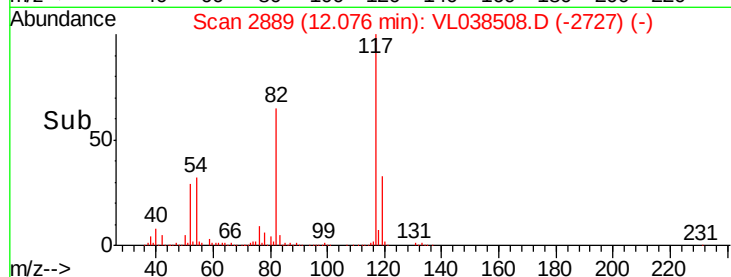
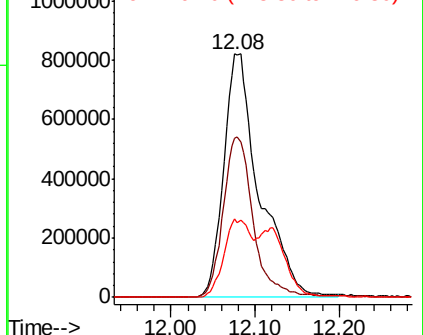
119 27.4 46.1 69.1#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.976 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

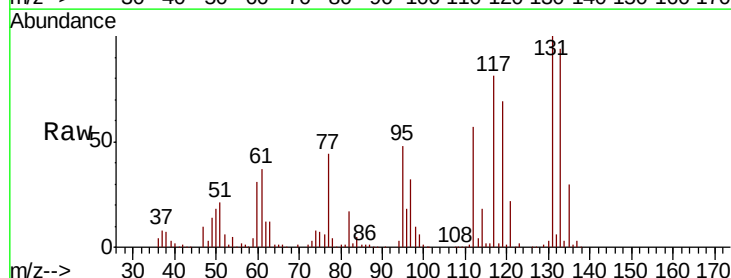
Tgt Ion:131 Resp: 800949

Ion Ratio Lower Upper

131 100

133 97.4 77.3 115.9

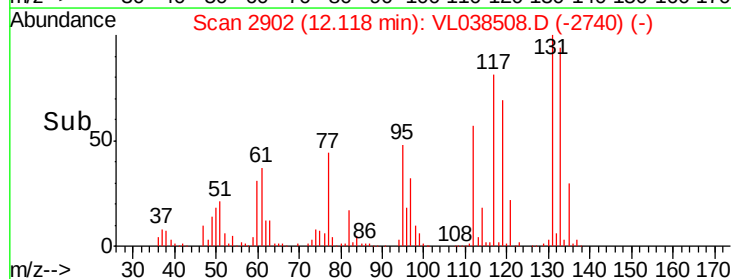
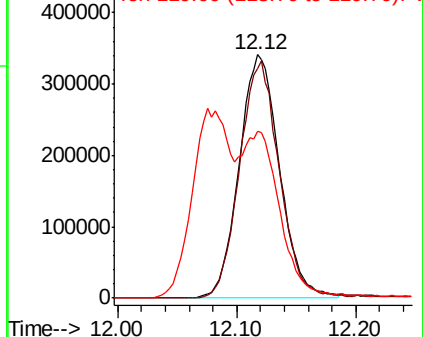
119 66.2 48.6 73.0

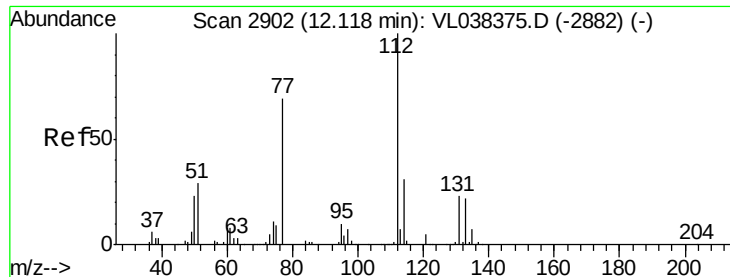


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

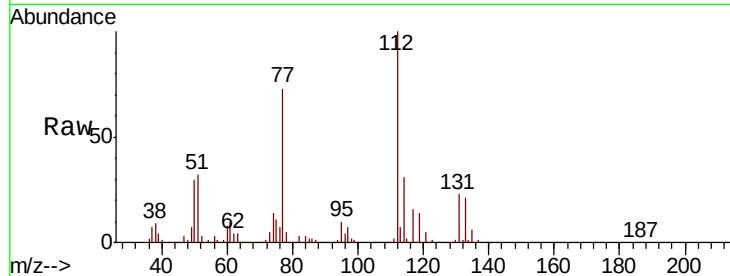
Ion 119.00 (118.70 to 119.70): V



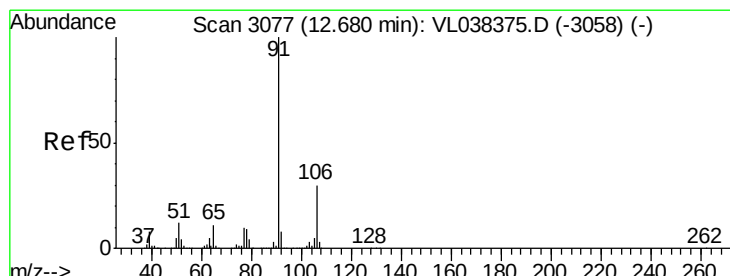
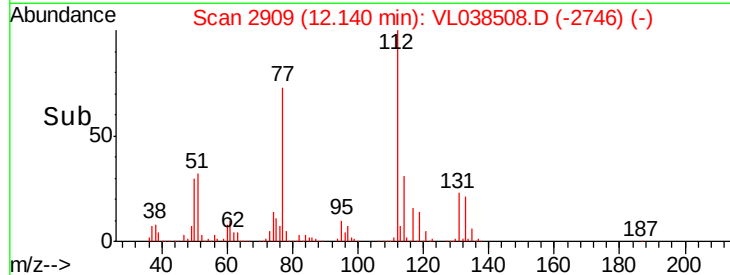
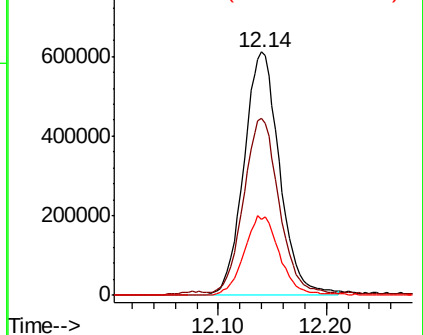


#57
Chlorobenzene
Concen: 7.569 ppbv
RT: 12.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 9:58

Tot Ion: 112 Resp: 1406920
Ion Ratio Lower Upper
112 100
77 71.7 55.2 82.8
114 31.0 27.9 34.1

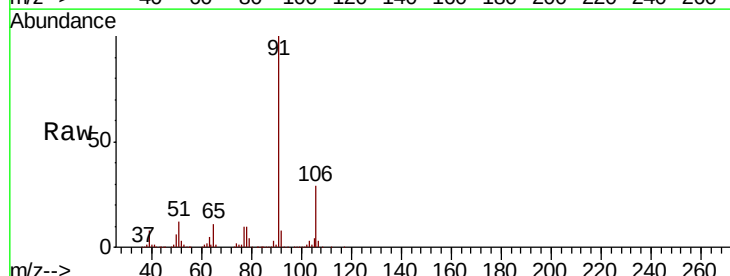


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

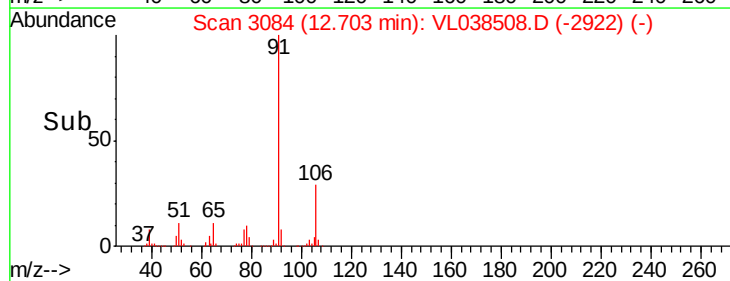
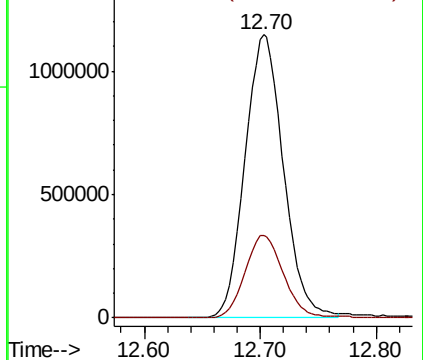


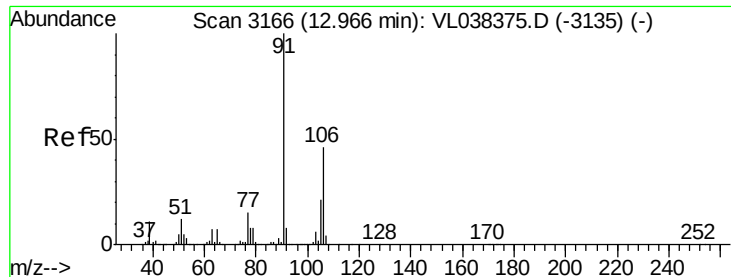
#58
Ethyl Benzene
Concen: 8.035 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.02 min
Lab File: VL038508.D
Acq: 3 Mar 2022 9:58

Tgt Ion: 91 Resp: 2647149
Ion Ratio Lower Upper
91 100
106 29.2 24.0 36.0



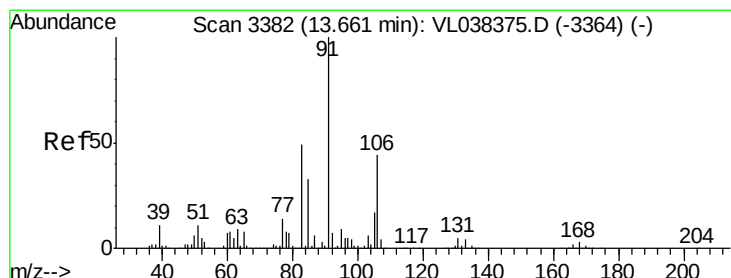
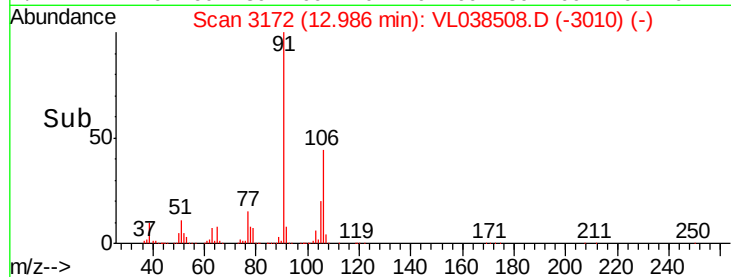
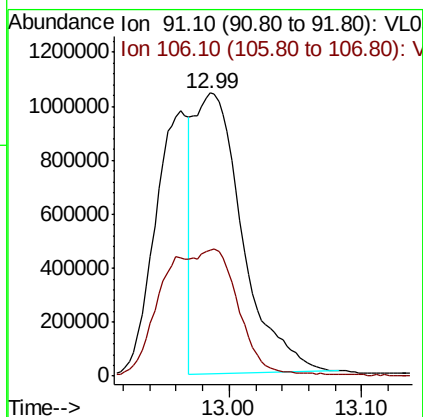
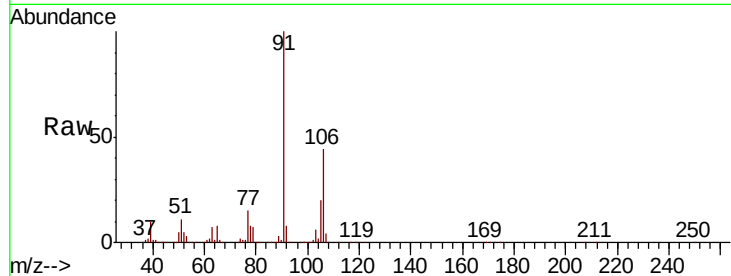
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





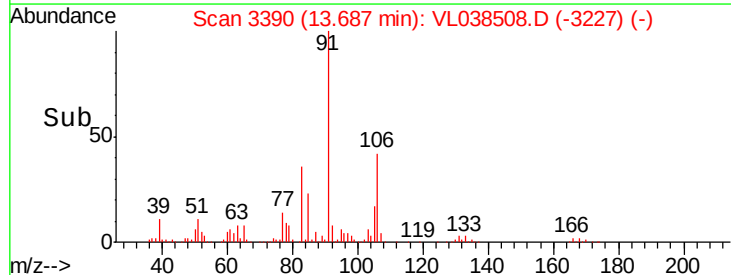
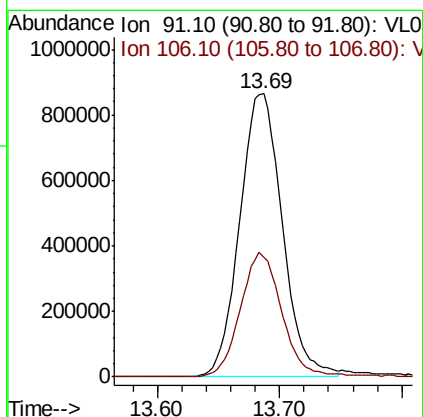
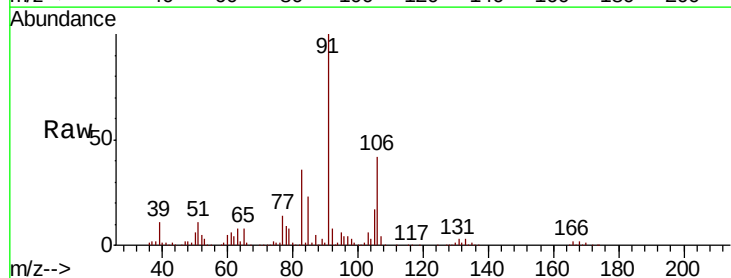
#59
m/p-Xylene
Concen: 9.268 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 3 Mar 2022 9:58

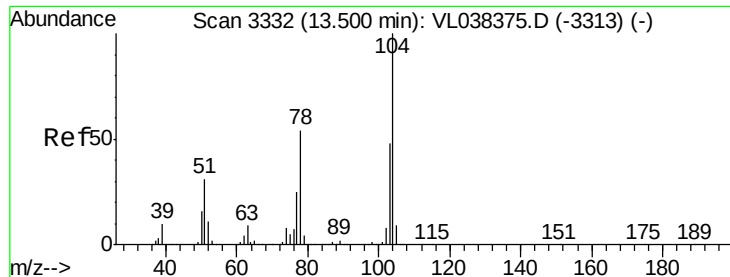
Tot Ion: 91 Resp: 2622207
Ion Ratio Lower Upper
91 100
106 72.6 34.4 51.6#



#60
o-Xylene
Concen: 7.773 ppbv
RT: 13.69 min Scan# 3390
Delta R.T.: 0.03 min
Lab File: VL038508.D
Acq: 3 Mar 2022 9:58

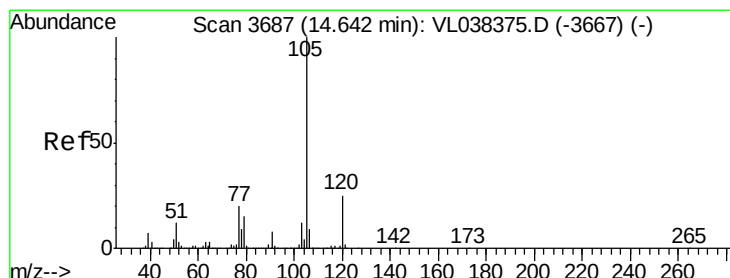
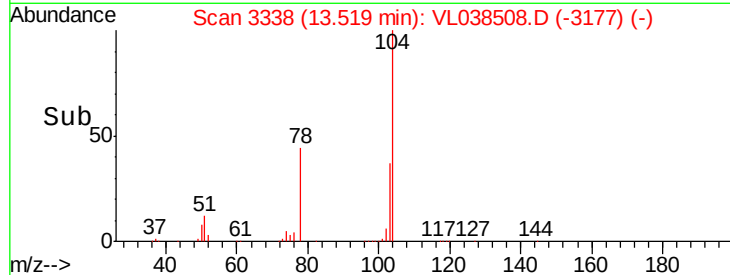
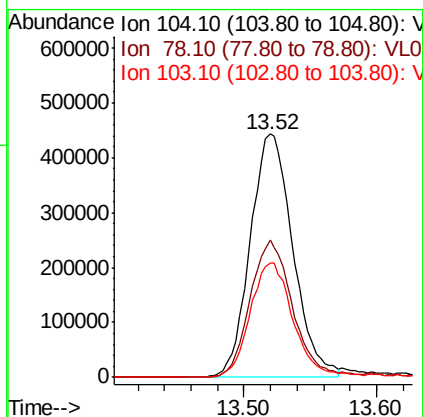
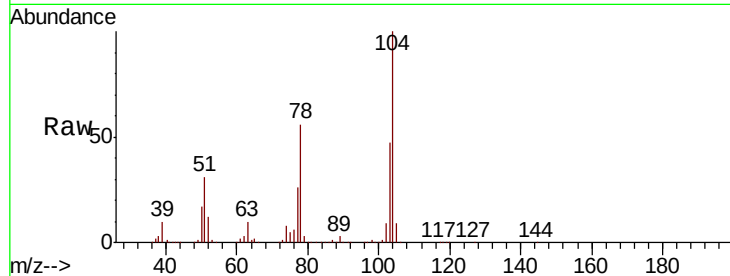
Tgt Ion: 91 Resp: 2078882
Ion Ratio Lower Upper
91 100
106 43.7 21.9 65.5





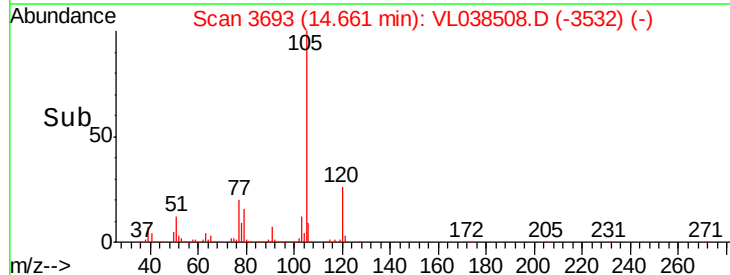
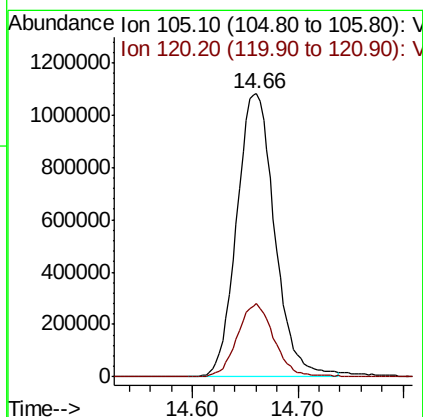
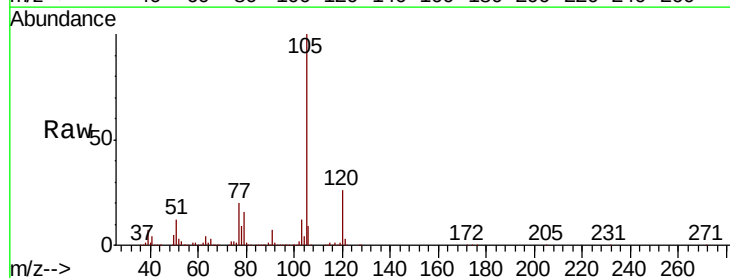
#61
Stvrene
Concen: 8.052 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 9:58

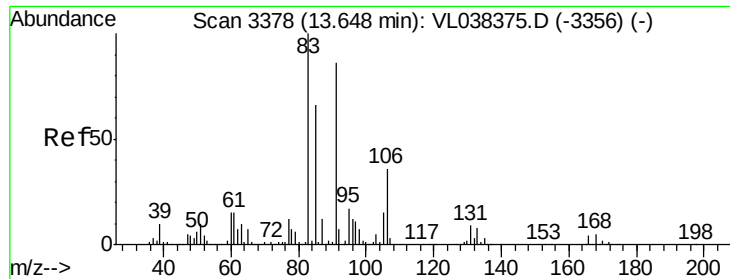
Tot Ion	Ratio	Lower	Upper
104	100		
78	57.5	44.2	66.4
103	48.6	38.4	57.6



#62
Isopropylbenzene
Concen: 7.543 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.02 min
Lab File: VL038508.D
Acq: 3 Mar 2022 9:58

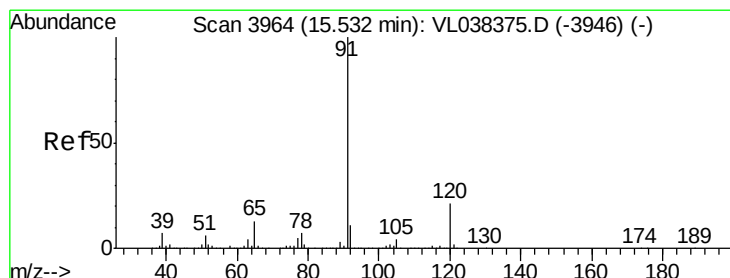
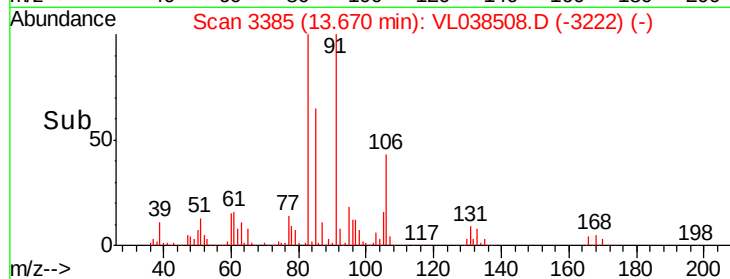
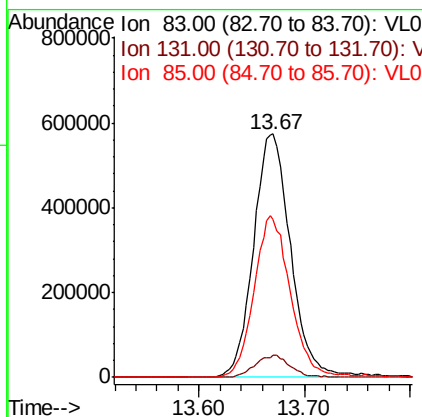
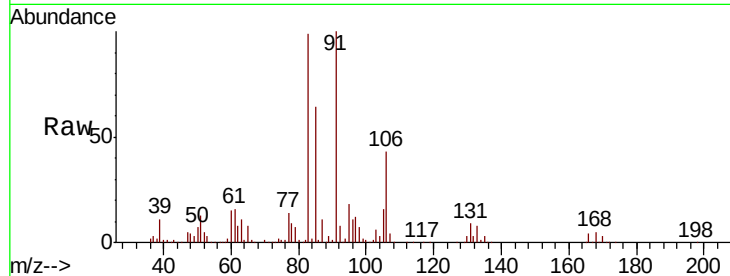
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.6	30.8





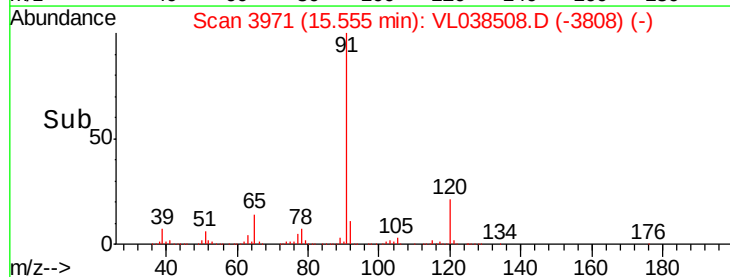
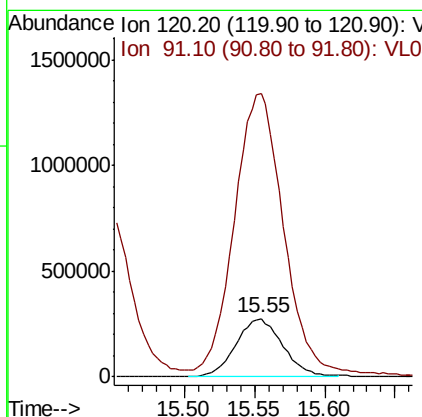
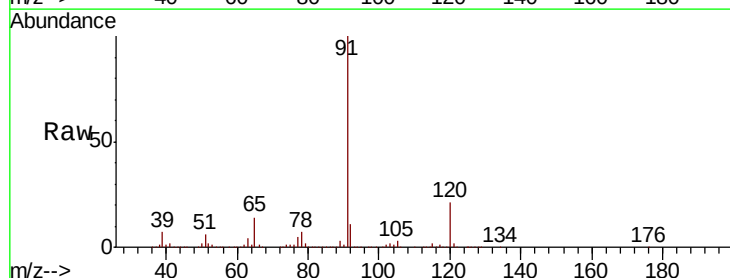
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.425 ppbv
 RT: 13.67 min
 Delta R.T.: 0.02 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

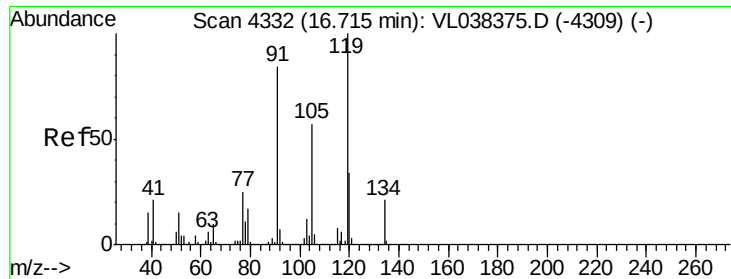
Tot Ion: 83 Resp: 1396318
 Ion Ratio Lower Upper
 83 100
 131 8.8 4.5 13.7
 85 66.5 33.0 99.0



#64
 n-propylbenzene
 Concen: 7.201 ppbv
 RT: 15.55 min Scan# 3971
 Delta R.T.: 0.02 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

Tgt Ion: 120 Resp: 640029
 Ion Ratio Lower Upper
 120 100
 91 521.3 388.1 582.1

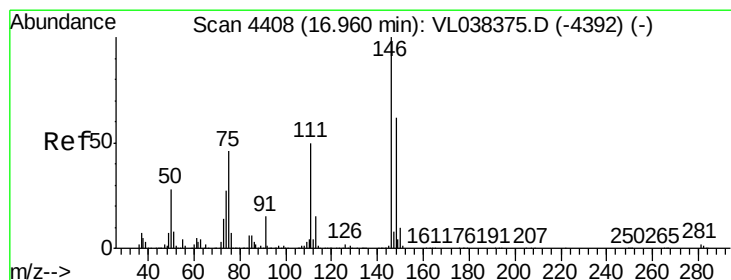
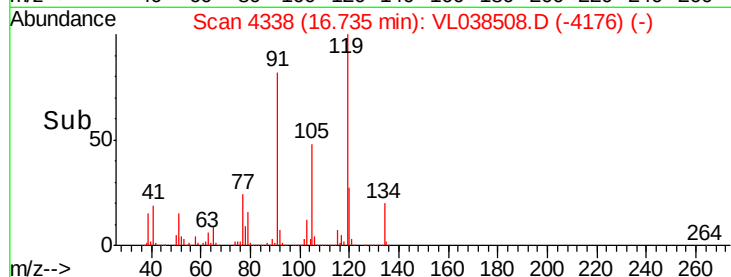
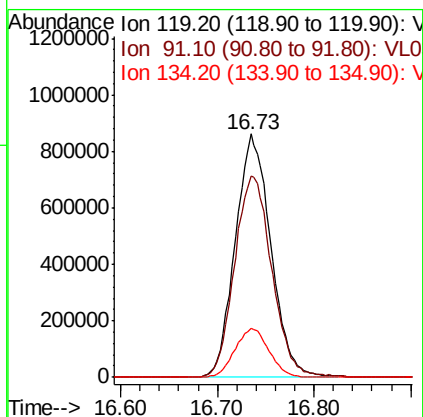
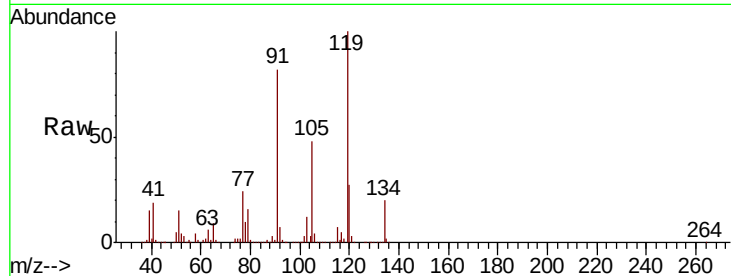




#65
 tert-Butylbenzene
 Concen: 7.066 ppbv
 RT: 16.73 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 3 Mar 2022 9:58

Tot Ion: 119 Resp: 2197085

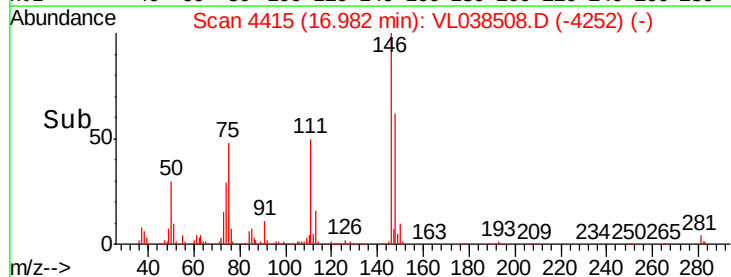
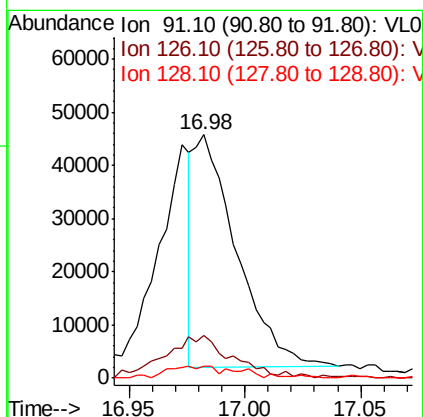
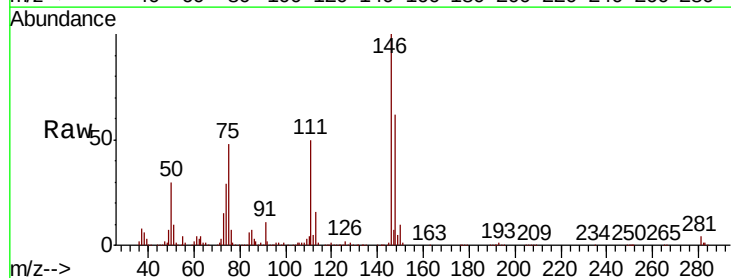
Ion	Ratio	Lower	Upper
119	100		
91	86.9	68.0	102.0
134	19.5	15.8	23.8

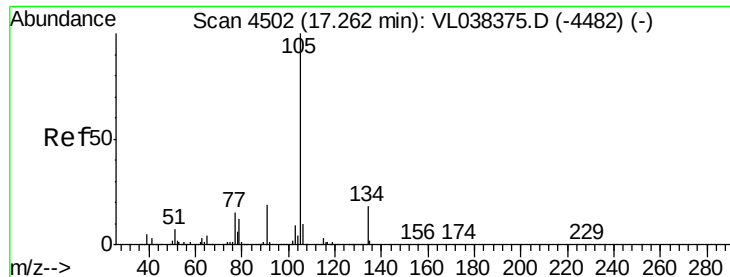


#66
 Benzyl Chloride
 Concen: 3.304 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T.: 0.02 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

Tgt Ion: 91 Resp: 55520

Ion	Ratio	Lower	Upper
91	100		
126	30.7	12.3	18.5#
128	8.9	4.2	6.4#





#67

sec-Butylbenzene

Concen: 6.972 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

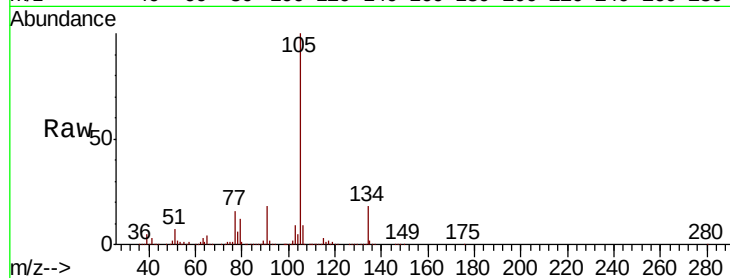
Acq: 3 Mar 2022 9:58

Tot Ion: 105 Resp: 3071565

Ion Ratio Lower Upper

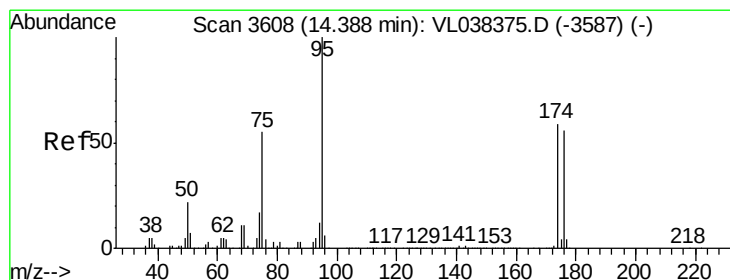
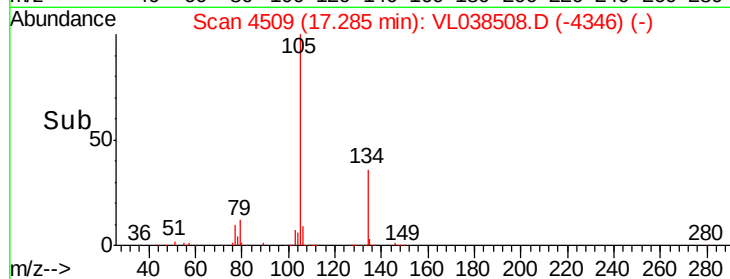
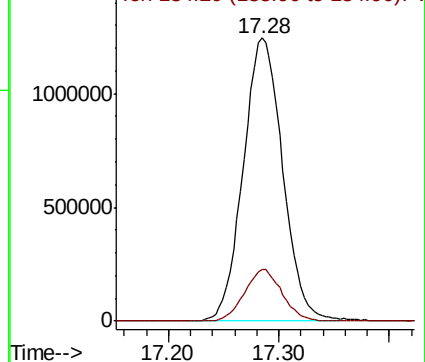
105 100

134 17.6 14.6 21.8



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: 8.344 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

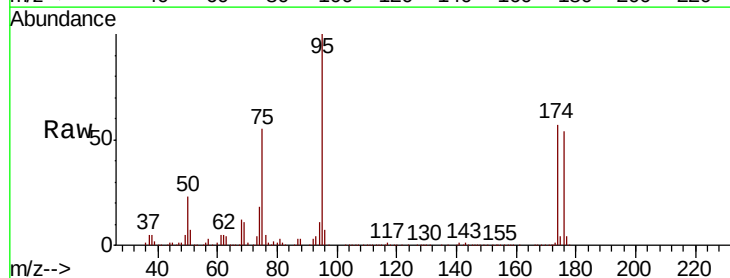
Tgt Ion: 95 Resp: 1663416

Ion Ratio Lower Upper

95 100

174 59.4 49.0 73.4

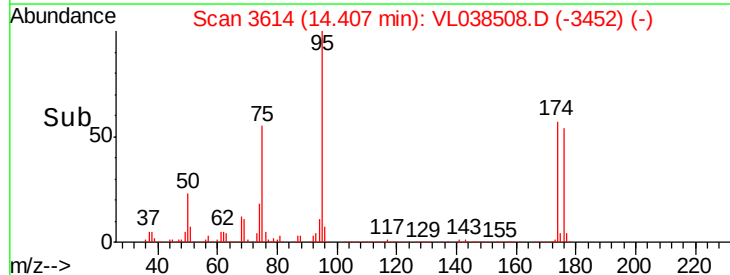
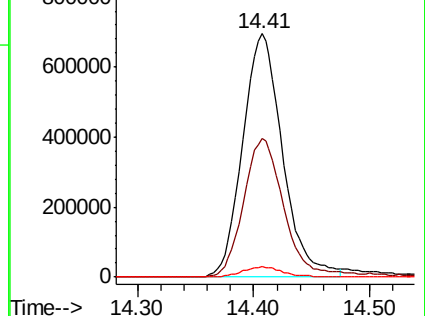
175 4.4 3.6 5.4

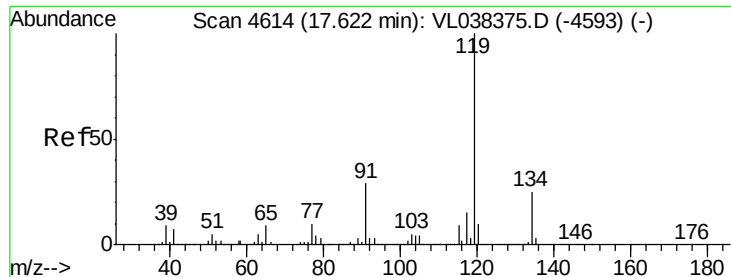


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.068 ppbv

RT: 17.64 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 9:58

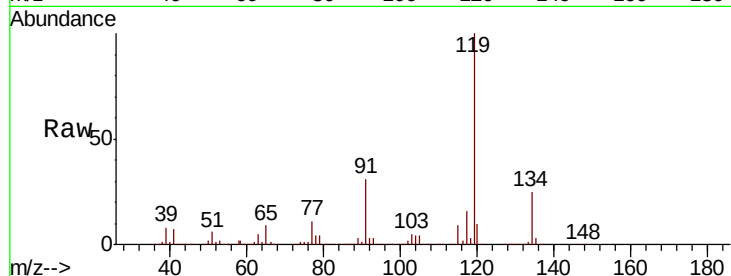
Tot Ion: 119 Resp: 2445864

Ion Ratio Lower Upper

119 100

134 24.9 20.4 30.6

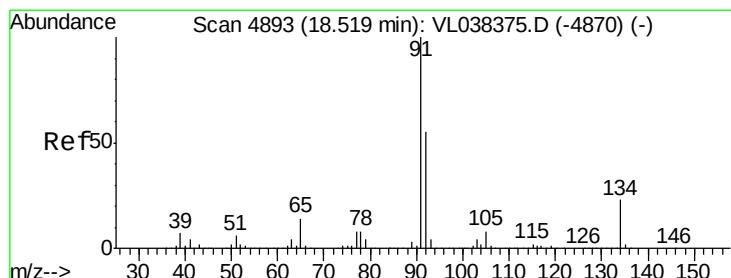
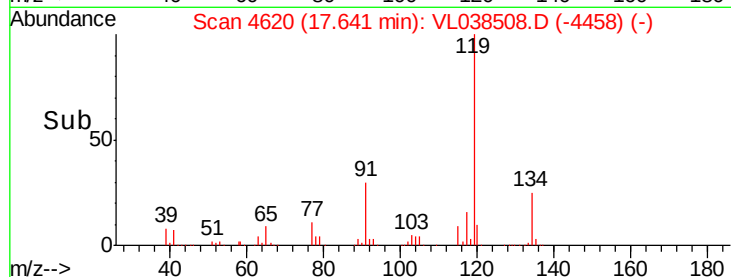
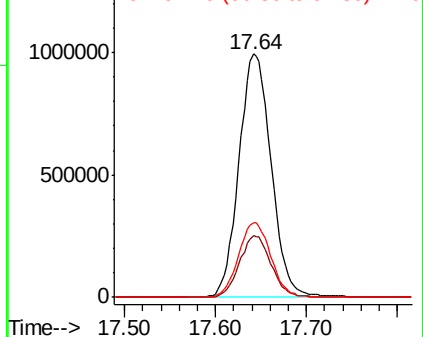
91 30.9 23.8 35.8



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: 7.203 ppbv

RT: 18.54 min Scan# 4899

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

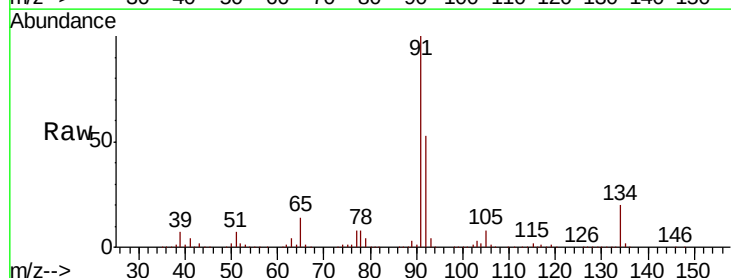
Tgt Ion: 91 Resp: 2579364

Ion Ratio Lower Upper

91 100

92 53.5 43.1 64.7

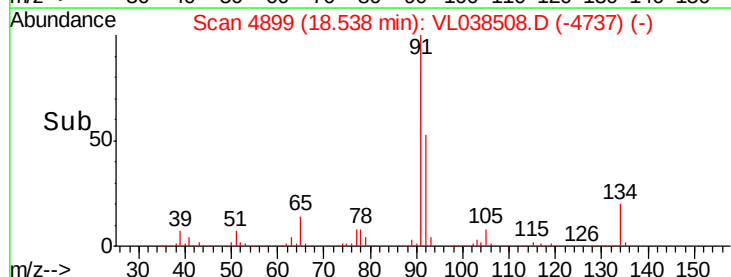
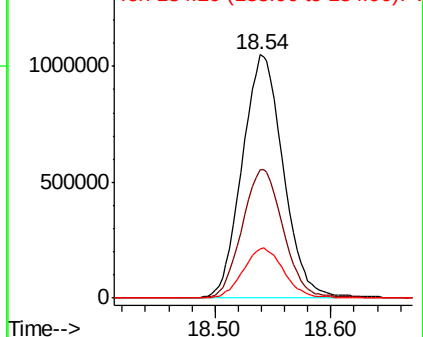
134 20.8 17.4 26.0

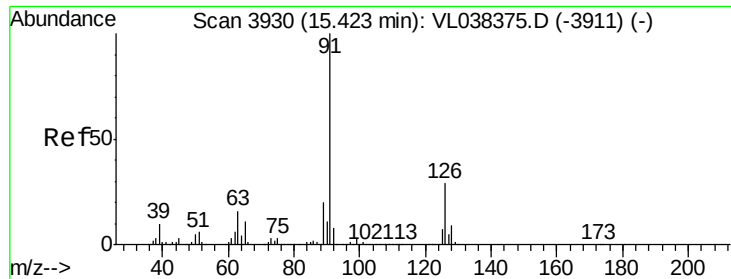


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

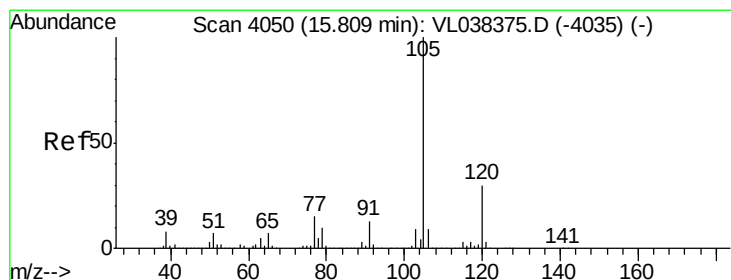
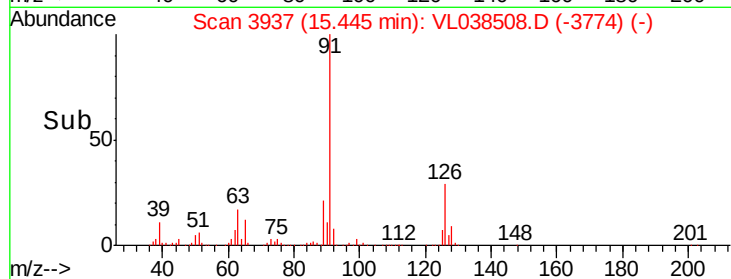
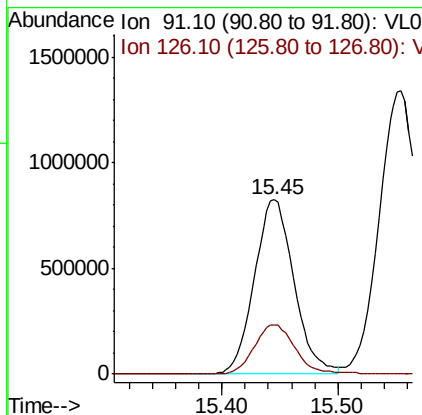
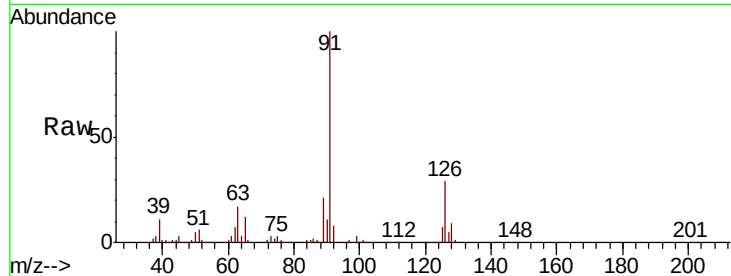
Ion 134.20 (133.90 to 134.90): V





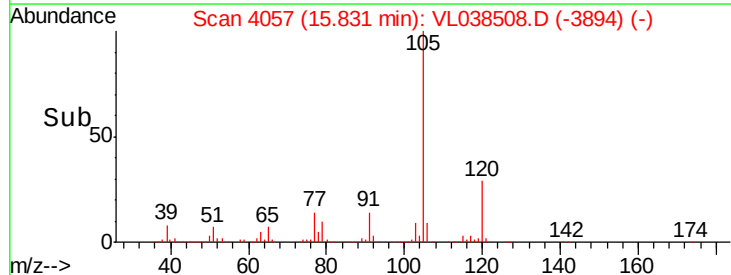
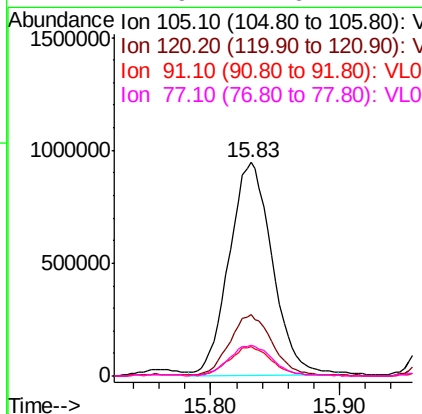
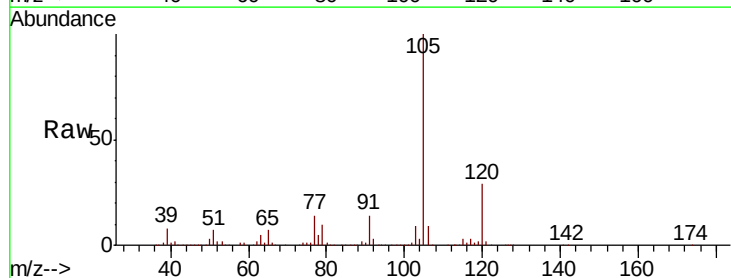
#71
 2-Chlorotoluene
 Concen: 7.141 ppbv
 RT: 15.45 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 3 Mar 2022 9:58

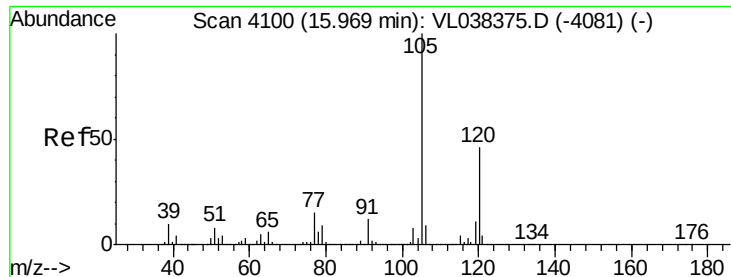
Tot Ion: 91 Resp: 1971103
 Ion Ratio Lower Upper
 91 100
 126 29.6 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 7.460 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T.: 0.02 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

Tgt Ion: 105 Resp: 2198338
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.4 35.2
 91 13.2 10.4 15.6
 77 14.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 7.200 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

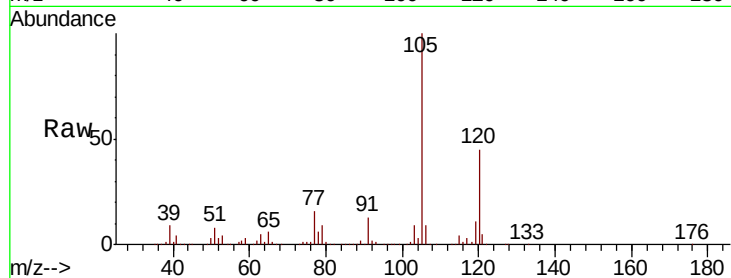
Acq: 3 Mar 2022 9:58

Tot Ion:105 Resp: 1927051

Ion Ratio Lower Upper

105 100

120 45.5 36.6 55.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

800000

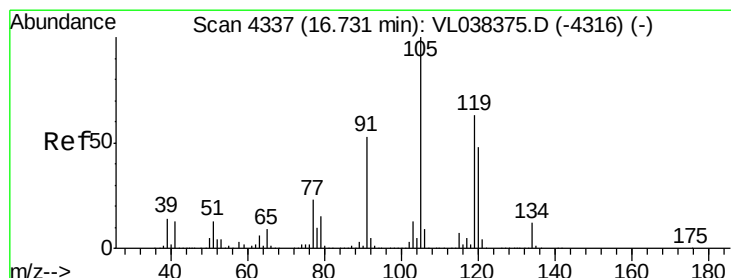
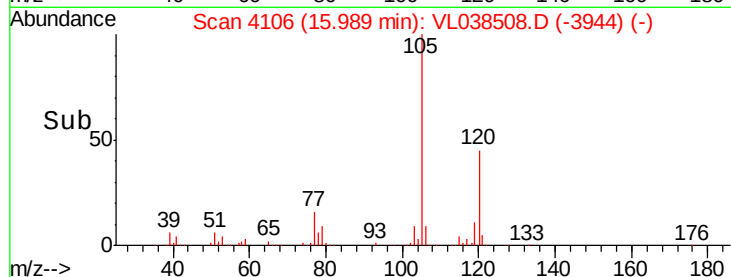
600000

400000

200000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.114 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.02 min

Lab File: VL038508.D

Acq: 3 Mar 2022 9:58

Tgt Ion:105 Resp: 2010014

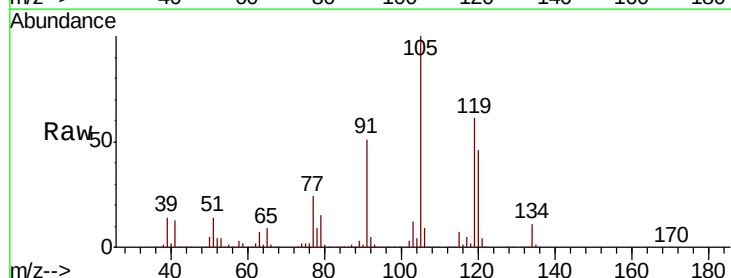
Ion Ratio Lower Upper

105 100

120 46.3 38.2 57.4

91 50.8 42.7 64.1

77 23.7 18.5 27.7



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

1200000

1000000

800000

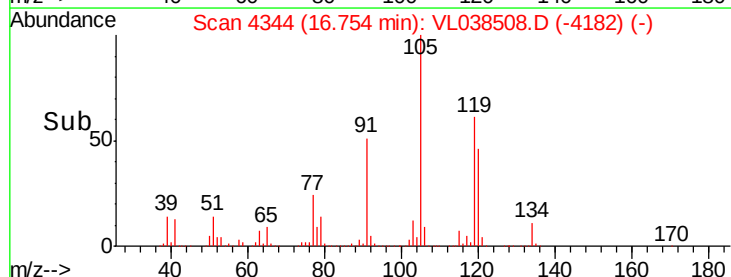
600000

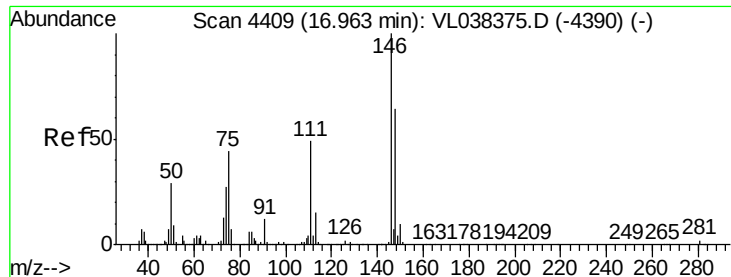
400000

200000

0

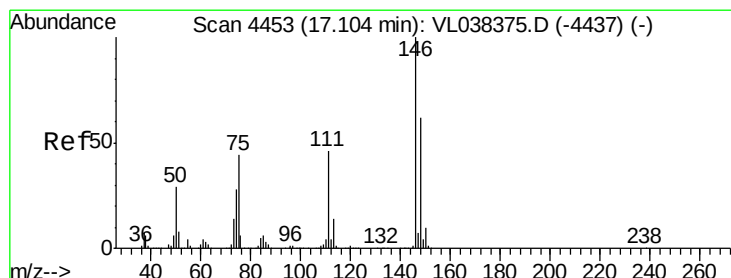
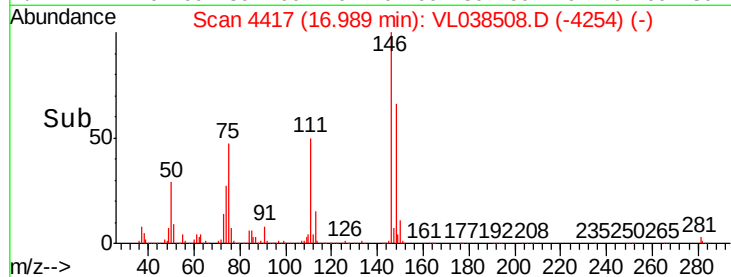
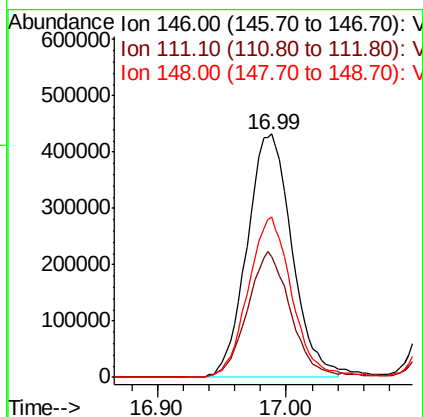
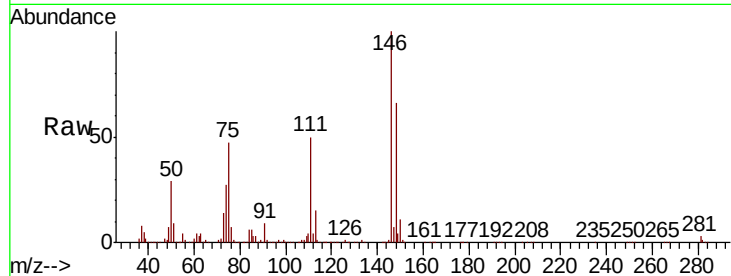
Time-->





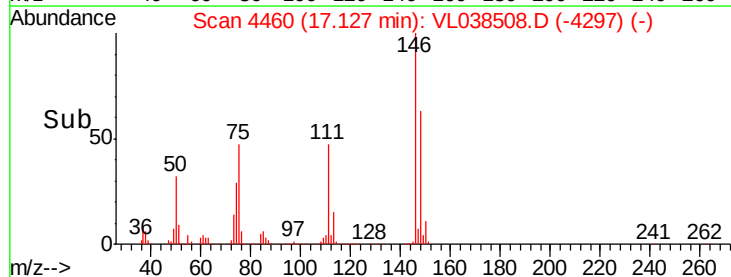
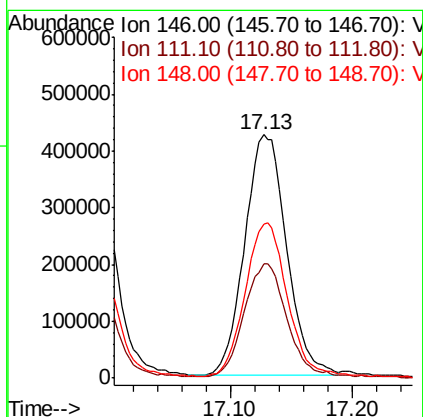
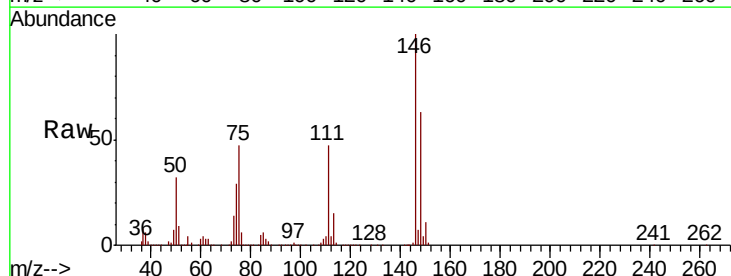
#75
 1,3-Dichlorobenzene
 Concen: 6.609 ppbv
 RT: 16.99 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 9:58

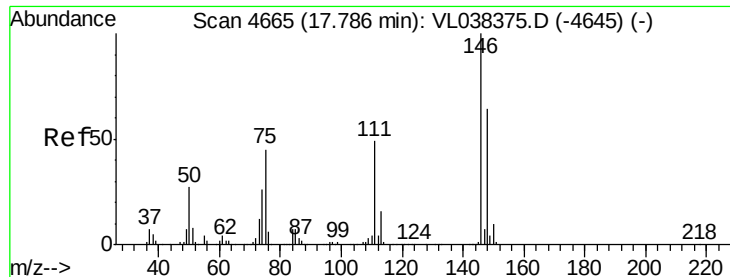
Tot Ion:146 Resp: 1045827
 Ion Ratio Lower Upper
 146 100
 111 50.0 24.3 72.9
 148 64.6 32.0 96.0



#76
 1,4-Dichlorobenzene
 Concen: 6.411 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.02 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

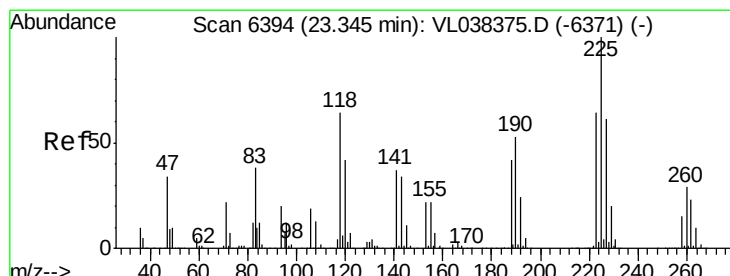
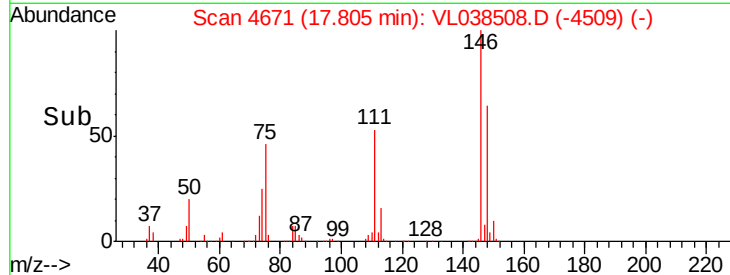
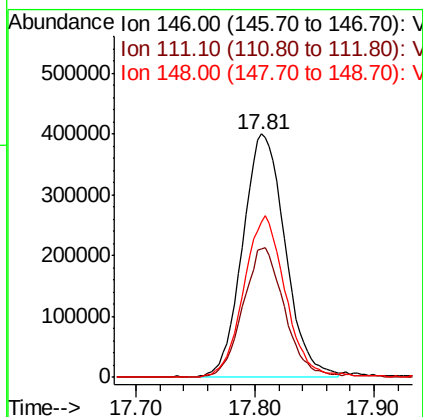
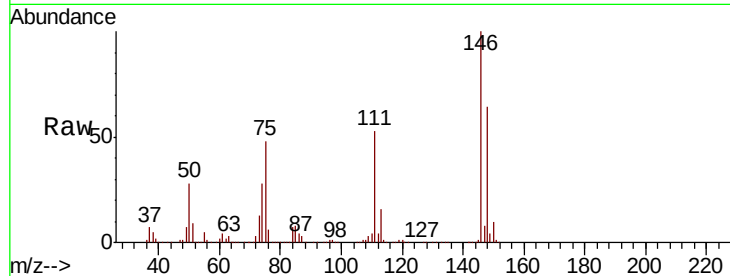
Tgt Ion:146 Resp: 1000539
 Ion Ratio Lower Upper
 146 100
 111 49.1 24.1 72.2
 148 66.6 32.8 98.4





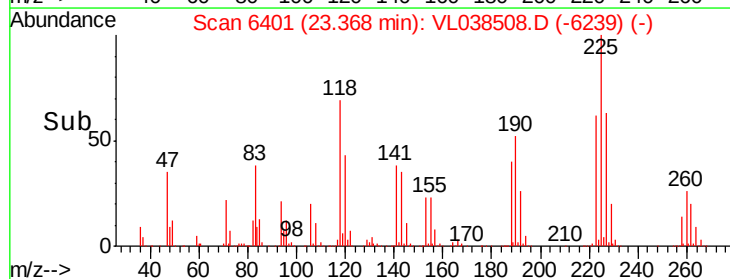
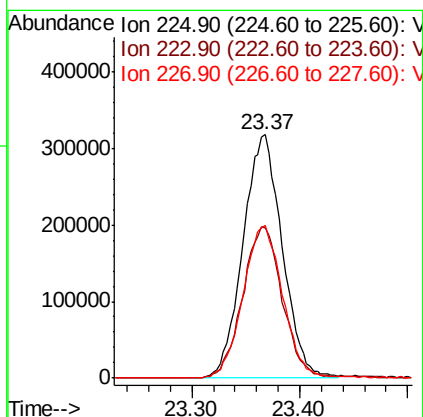
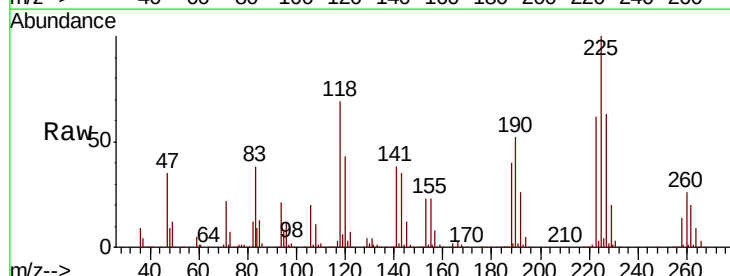
#77
 1,2-Dichlorobenzene
 Concen: 6.462 ppbv
 RT: 17.81 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 3 Mar 2022 9:58

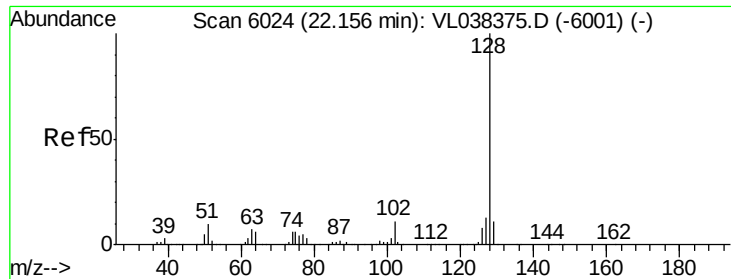
Tot Ion:	146	Resp:	984395
Ion Ratio	Lower	Upper	
146	100		
111	52.5	25.6	76.6
148	65.1	32.4	97.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.925 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T.: 0.02 min
 Lab File: VL038508.D
 Acq: 3 Mar 2022 9:58

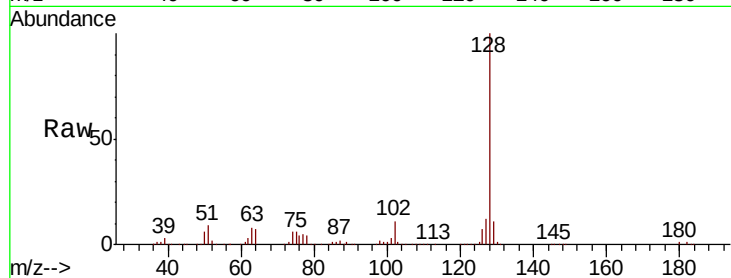
Tgt Ion:	225	Resp:	804562
Ion Ratio	Lower	Upper	
225	100		
223	63.7	52.0	78.0
227	63.8	51.6	77.4



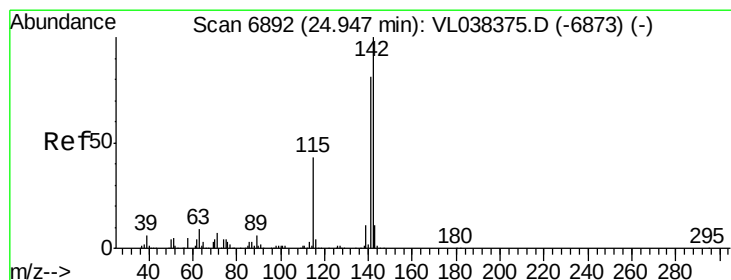
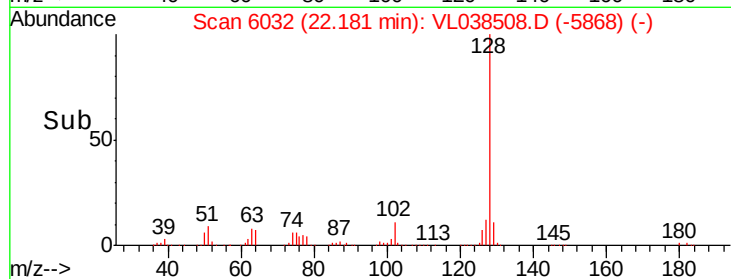
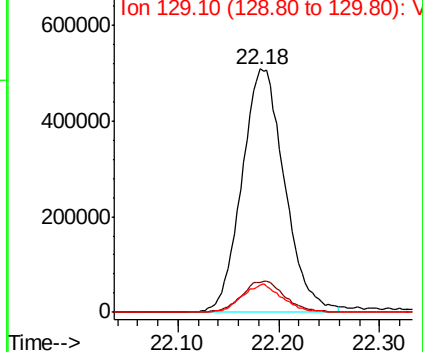


#79
Naphthalene
Concen: 9.769 ppbv
RT: 22.18 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Mar 2022 9:58

Tot Ion:128 Resp: 1495518
Ion Ratio Lower Upper
128 100
127 11.9 10.7 16.1
129 11.3 8.8 13.2

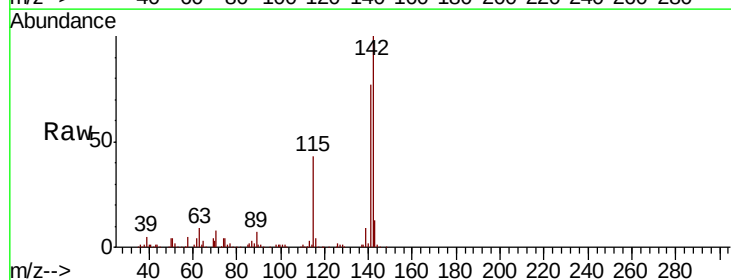


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

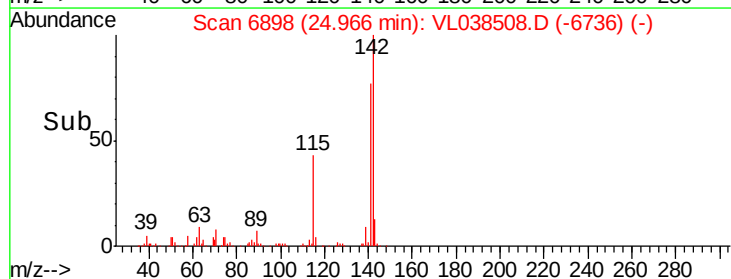
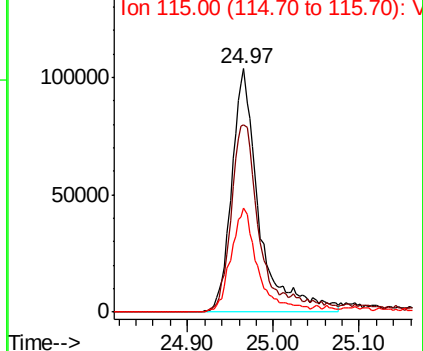


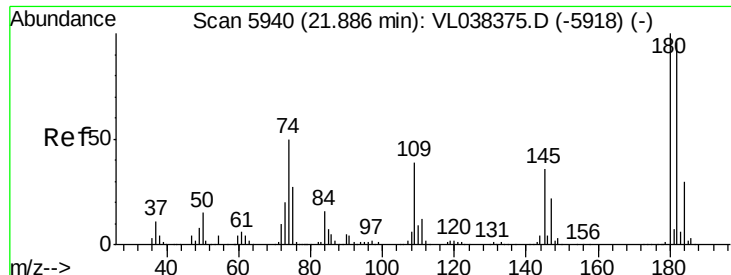
#80
Naphthalene, 2-methyl-
Concen: 7.660 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.02 min
Lab File: VL038508.D
Acq: 3 Mar 2022 9:58

Tgt Ion:142 Resp: 229177
Ion Ratio Lower Upper
142 100
141 82.2 69.8 104.6
115 42.7 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: 8.629 ppbv

RT: 21.91

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Mar 2022 9:58

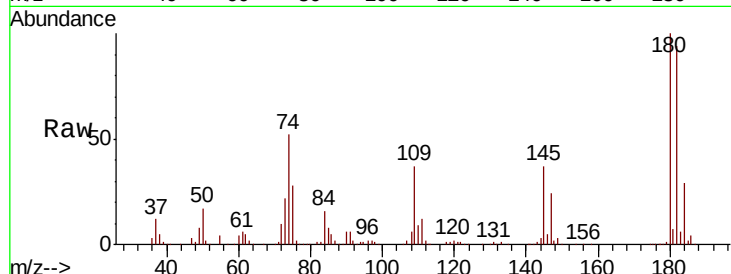
Tot Ion:180 Resp: 798694

Ion Ratio Lower Upper

180 100

182 97.6 77.4 116.2

184 30.9 24.9 37.3



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

