

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051322\
 Data File : VL039038.D
 Acq On : 13 May 2022 14:59
 Operator : SY/AP
 Sample : VL0511ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0513ABS01

Quant Time: May 14 00:51:49 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	904332	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2248486	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	2577218	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	1613630	7.91	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1390577	9.814	ppbv	97
3) Chlorodifluoromethane	2.98	51	1137724	10.139	ppbv	100
4) Chloromethane	3.13	50	572306	10.184	ppbv	100
5) Vinyl Chloride	3.25	62	565437	11.019	ppbv	95
6) Bromomethane	3.47	94	285684	11.785	ppbv	90
7) Chloroethane	3.55	64	192123	11.186	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1416111	11.027	ppbv	99
9) Propene	3.00	41	492957	10.059	ppbv	96
10) Heptane	8.10	43	1247089	10.373	ppbv	99
11) Trichlorofluoromethane	3.94	101	1333807	10.971	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	927366	11.073	ppbv	99
13) Ethanol	3.60	45	10448	3.013	ppbv #	1
14) Bromoethene	3.73	108	414474	12.002	ppbv	96
15) Acetone	3.84	43	919645	10.781	ppbv	99
16) 1,3-Butadiene	3.32	39	527795	10.769	ppbv	100
17) tert-Butyl alcohol	4.27	59	726226	11.077	ppbv	98
18) 1,1-Dichloroethene	4.28	96	409350	11.357	ppbv	96
19) Isopropyl Alcohol	3.95	45	474804	11.706	ppbv #	96
20) Methylene Chloride	4.33	84	337284	10.490	ppbv	97
21) Allyl Chloride	4.40	41	643340	11.067	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	433013	11.122	ppbv	96
23) Vinyl Acetate	5.05	43	791435	11.726	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	821419	10.569	ppbv	99
25) Ethyl Acetate	5.65	43	2184844	10.701	ppbv	99
26) Hexane	5.67	57	962733	10.612	ppbv	97
27) Carbon Disulfide	4.54	76	1029203	11.943	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	775073	11.229	ppbv	100
29) Chloroform	5.74	83	1597600	10.885	ppbv	97
30) Cyclohexane	7.11	84	804073	10.586	ppbv	96
31) cis-1,2-Dichloroethene	5.53	61	1001182	10.833	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	1604568	10.933	ppbv	99
34) 2-Butanone	5.22	43	1307119	11.395	ppbv	97
35) Carbon Tetrachloride	7.00	117	1642809	11.089	ppbv	99
36) Benzene	6.87	78	1967251	10.224	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1262312	10.603	ppbv	100
38) Trichloroethene	7.81	130	865011	10.112	ppbv	94
39) 1,2-Dichloropropane	7.59	63	770917	10.297	ppbv	95
40) 1,4-Dioxane	7.81	88	279611	10.398	ppbv #	1
41) Tetrahydrofuran	6.03	42	795742	10.321	ppbv	99
42) Bromodichloromethane	7.77	83	1746035	10.727	ppbv	99
43) Methyl Methacrylate	7.99	69	826184	10.576	ppbv	99

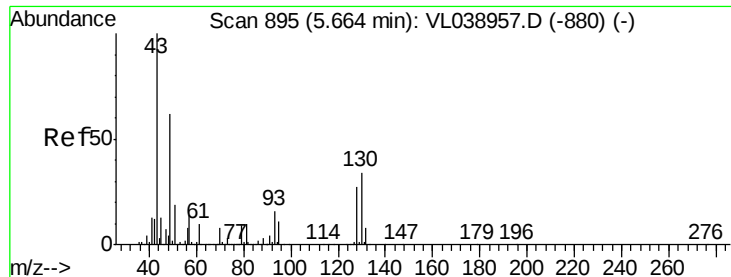
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Quant Time: May 14 00:51:49 2022
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3361176	9.955	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	953409	12.608	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1151357	11.482	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	807907	10.375	ppbv	98
48) Dibromochloromethane	10.28	129	1416473	11.176	ppbv	100
49) Bromoform	13.01	173	1112451	11.509	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2082817	10.355	ppbv	99
51) 2-Hexanone	10.10	43	1671320	11.384	ppbv #	100
52) Tetrachloroethene	11.20	164	686364	9.982	ppbv	96
53) Toluene	9.78	91	2267843	10.515	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1156843	10.913	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.10	131	972457	8.600	ppbv	99
57) Chlorobenzene	12.12	112	1613886	8.354	ppbv	98
58) Ethyl Benzene	12.69	91	3099031	8.356	ppbv	97
59) m/p-Xylene	12.97	91	2959988	9.348	ppbv #	49
60) o-Xylene	13.66	91	2478139	8.316	ppbv	100
61) Styrene	13.50	104	1422724	8.942	ppbv	99
62) Isopropylbenzene	14.64	105	3609235	8.282	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	1426280	8.128	ppbv	100
64) n-propylbenzene	15.53	120	912866	8.664	ppbv	99
65) tert-Butylbenzene	16.72	119	3165408	8.290	ppbv	99
66) Benzyl Chloride	16.96	91	550076	11.021	ppbv	98
67) sec-Butylbenzene	17.27	105	4512067	8.271	ppbv	99
69) p-Isopropyltoluene	17.63	119	3723824	8.449	ppbv	99
70) n-Butylbenzene	18.52	91	4000820	8.545	ppbv	100
71) 2-Chlorotoluene	15.42	91	2799468	8.333	ppbv	99
72) 4-Ethyltoluene	15.81	105	2953605	8.698	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	2635914	8.622	ppbv	97
74) 1,2,4-Trimethylbenzene	16.73	105	2837564	8.477	ppbv	97
75) 1,3-Dichlorobenzene	16.97	146	1577159	8.599	ppbv	99
76) 1,4-Dichlorobenzene	17.10	146	776598	4.304	ppbv #	19
77) 1,2-Dichlorobenzene	17.79	146	1529521	8.432	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	1238813	7.431	ppbv	99
79) Naphthalene	22.16	128	2598814	9.558	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	837754	10.185	ppbv	97
81) 1,2,4-Trichlorobenzene	21.89	180	1379227	8.656	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABS01

Acq: 13 May 2022 14:59

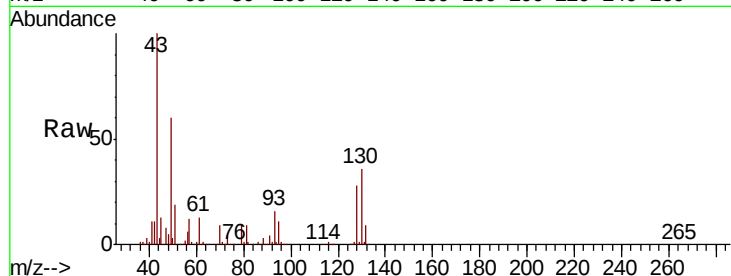
Tot Ion: 49 Resp: 904332

Ion Ratio Lower Upper

49 100

128 46.5 23.3 69.8

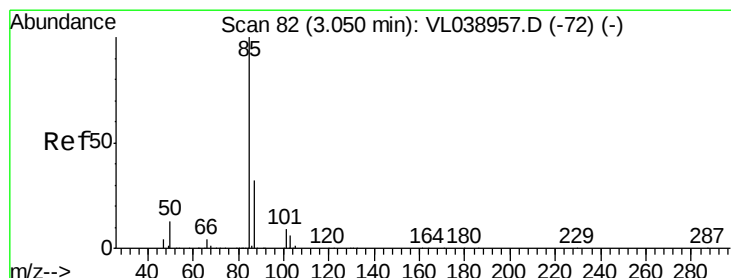
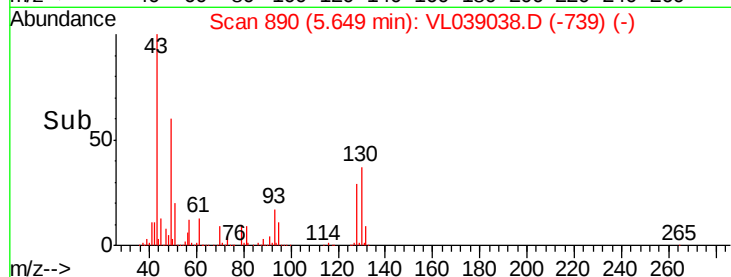
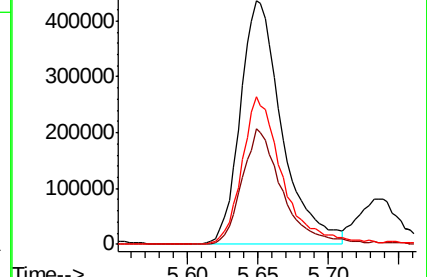
130 59.8 29.8 89.3



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: 9.814 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL039038.D

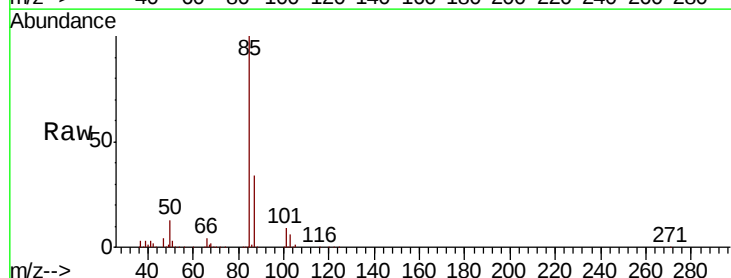
Acq: 13 May 2022 14:59

Tgt Ion: 85 Resp: 1390577

Ion Ratio Lower Upper

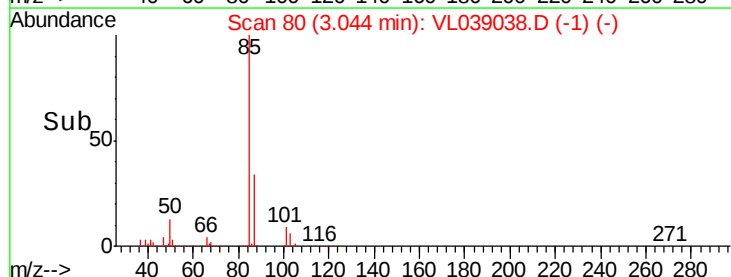
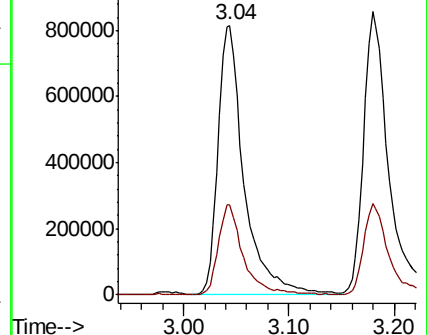
85 100

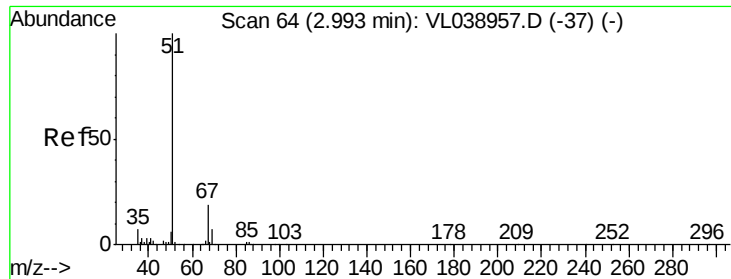
87 33.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

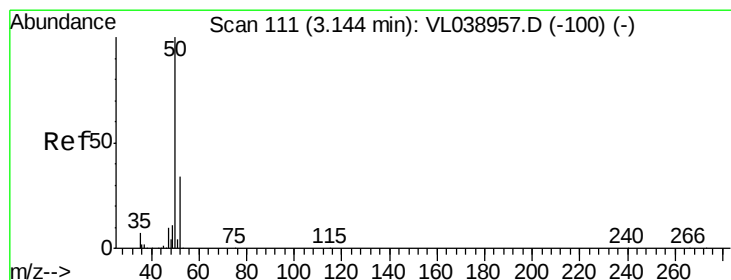
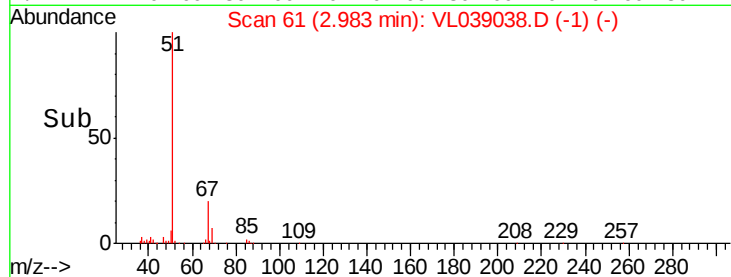
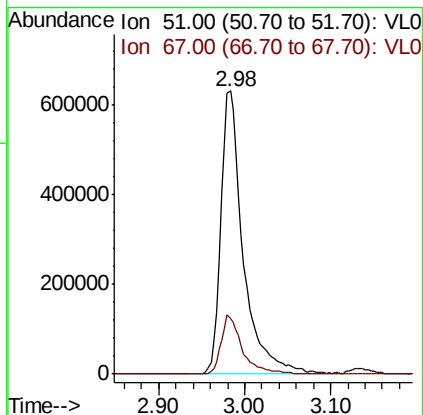
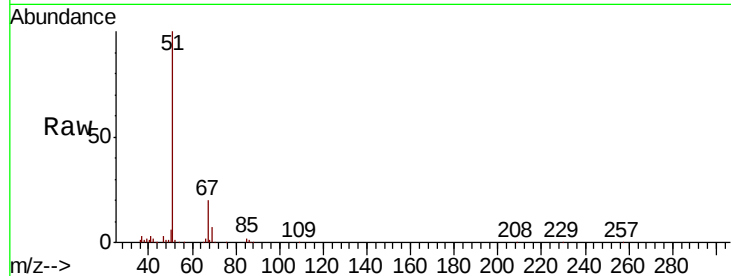
Ion 87.00 (86.70 to 87.70): VL0





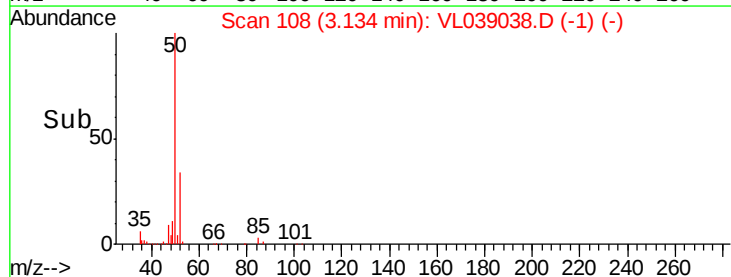
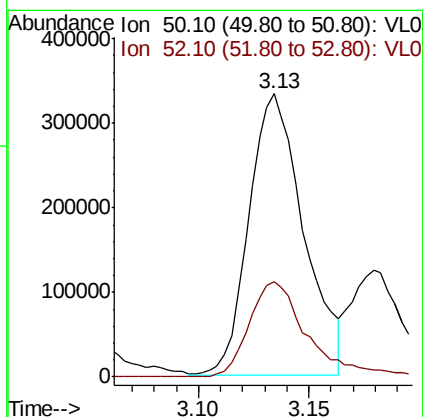
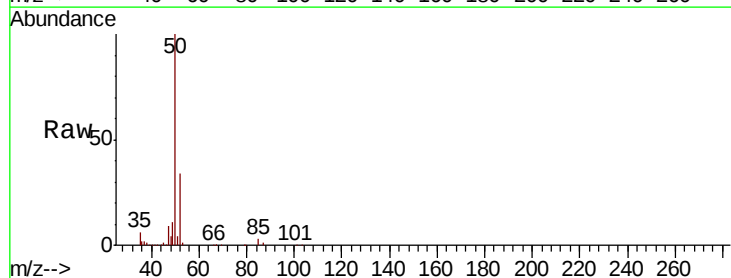
#3
 Chlorodifluoromethane
 Concen: 10.139 ppbv
 RT: 2.98
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId : VL0513ABS01
 Acq: 13 May 2022 14:59

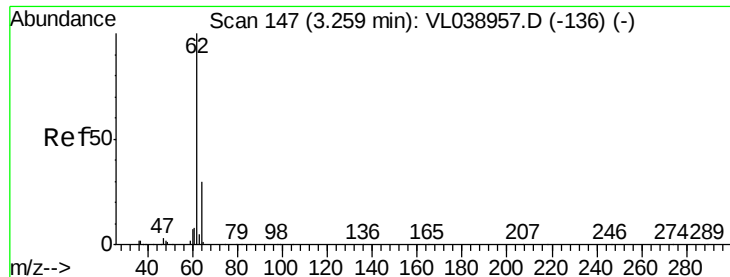
Tot Ion: 51 Resp: 1137724
 Ion Ratio Lower Upper
 51 100
 67 20.0 15.8 23.8



#4
 Chloromethane
 Concen: 10.184 ppbv
 RT: 3.13 min Scan# 108
 Delta R.T. -0.01 min
 Lab File: VL039038.D
 Acq: 13 May 2022 14:59

Tgt Ion: 50 Resp: 572306
 Ion Ratio Lower Upper
 50 100
 52 34.0 27.3 40.9





#5

Vinyl Chloride

Concen: 11.019 ppbv

RT: 3.25 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABS01

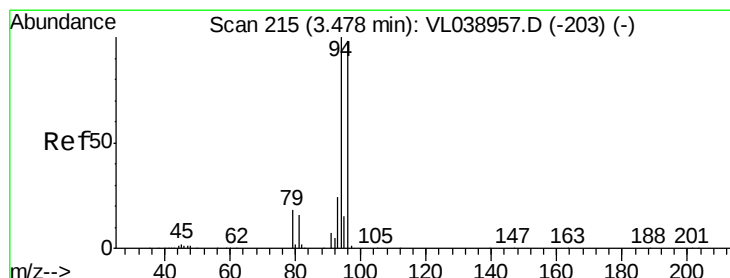
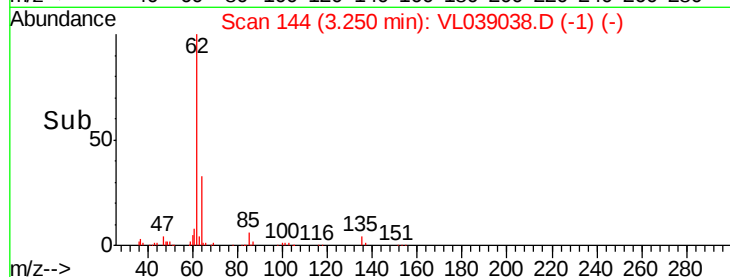
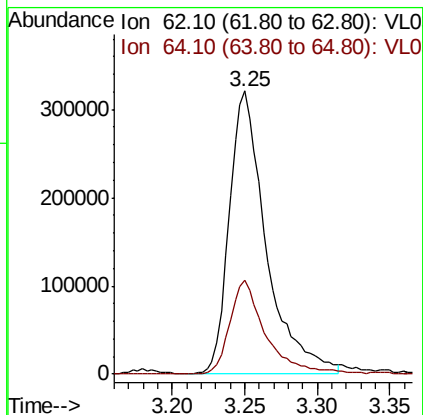
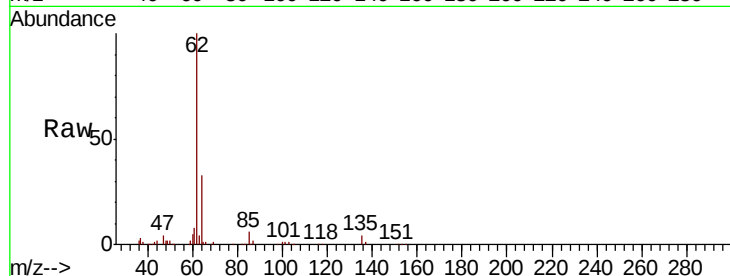
Acq: 13 May 2022 14:59

Tot Ion: 62 Resp: 565437

Ion Ratio Lower Upper

62 100

64 33.2 24.2 36.4



#6

Bromomethane

Concen: 11.785 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL039038.D

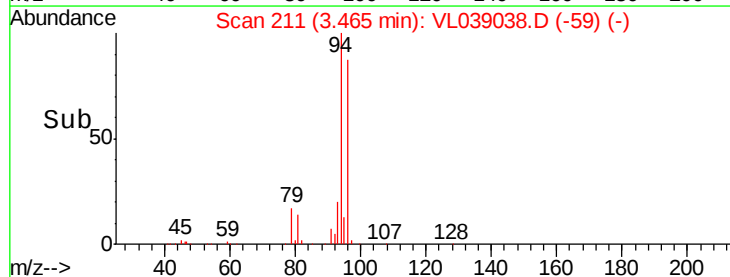
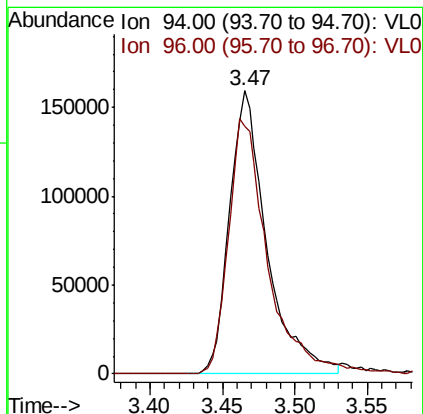
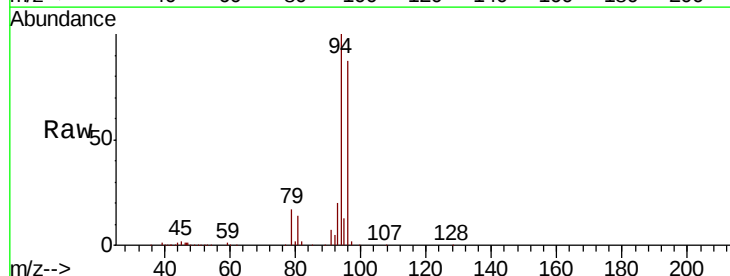
Acq: 13 May 2022 14:59

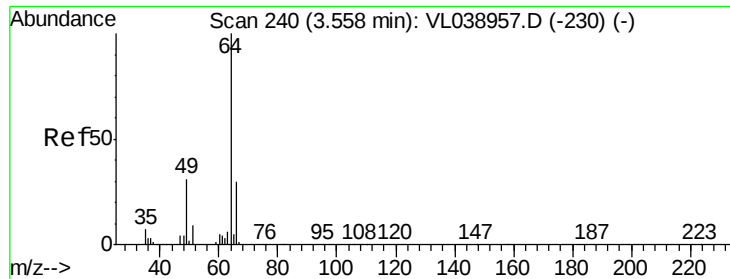
Tgt Ion: 94 Resp: 285684

Ion Ratio Lower Upper

94 100

96 87.5 78.1 117.1





#7

Chloroethane

Concen: 11.186 ppbv

RT: 3.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABS01

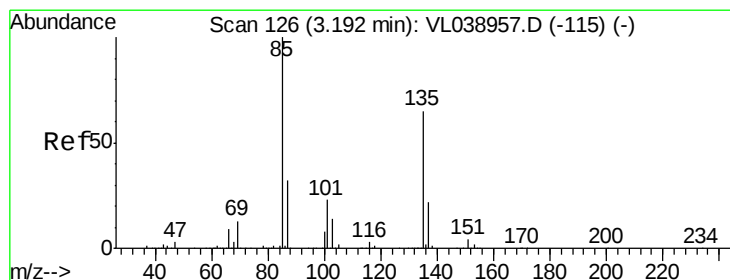
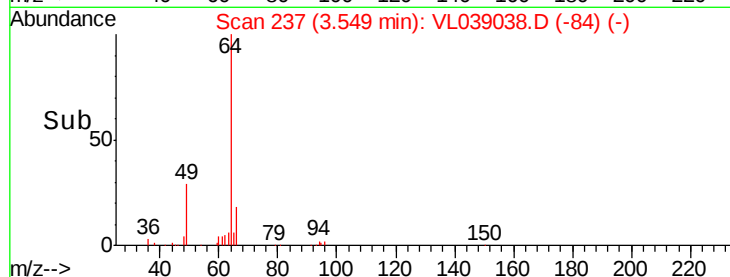
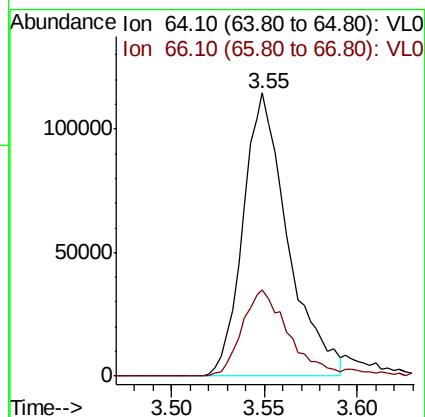
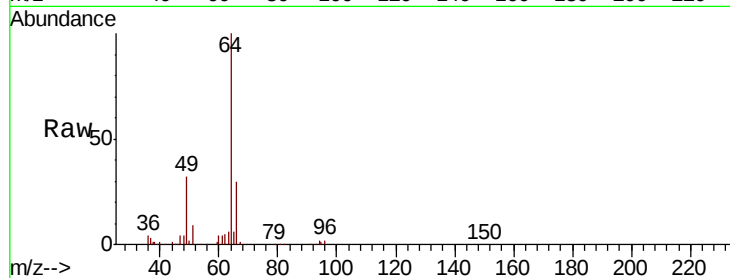
Acq: 13 May 2022 14:59

Tot Ion: 64 Resp: 192123

Ion Ratio Lower Upper

64 100

66 30.3 23.8 35.8



#8

Dichlorotetrafluoroethane

Concen: 11.027 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL039038.D

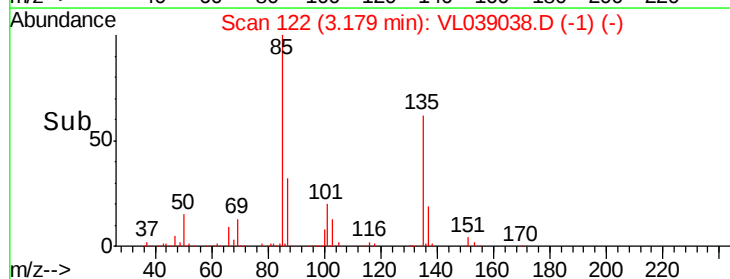
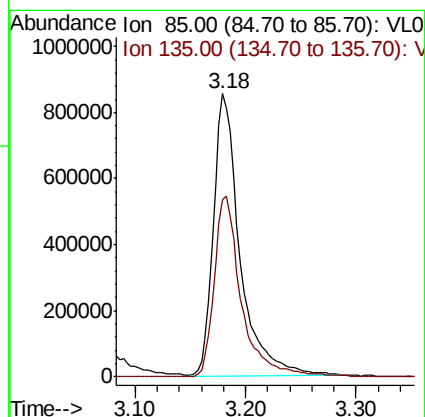
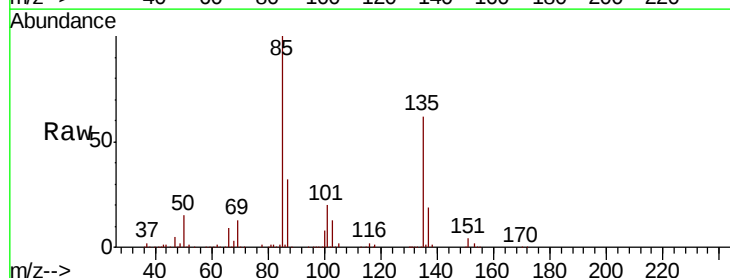
Acq: 13 May 2022 14:59

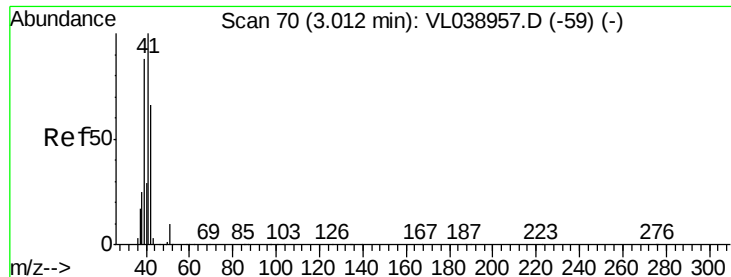
Tgt Ion: 85 Resp: 1416111

Ion Ratio Lower Upper

85 100

135 66.3 53.6 80.4





#9

Propene

Concen: 10.059 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABS01

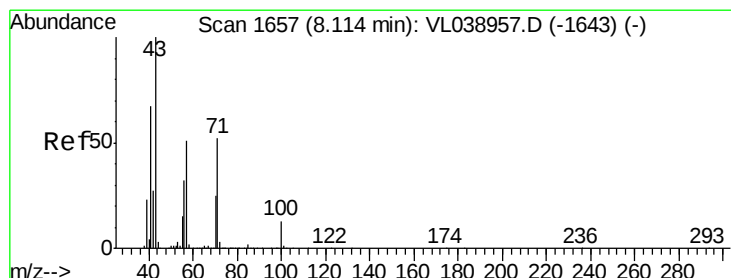
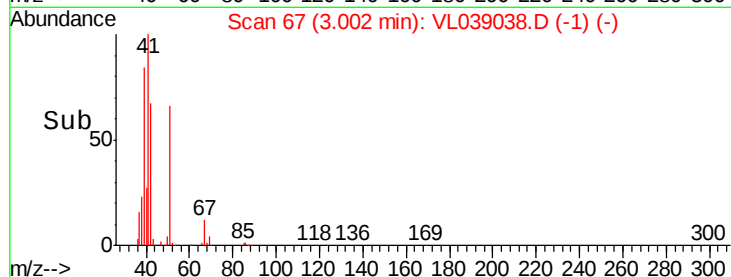
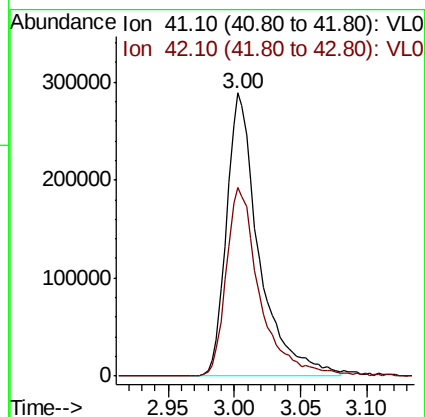
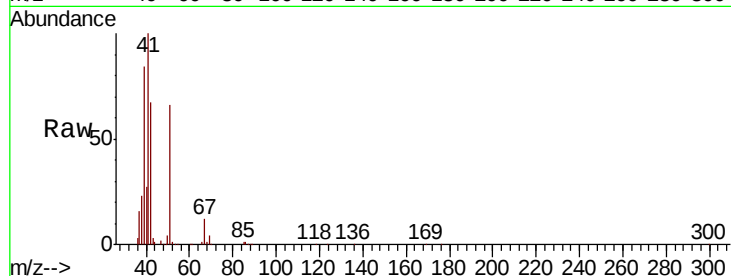
Acq: 13 May 2022 14:59

Tot Ion: 41 Resp: 492957

Ion Ratio Lower Upper

41 100

42 69.5 58.3 87.5



#10

Heptane

Concen: 10.373 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.02 min

Lab File: VL039038.D

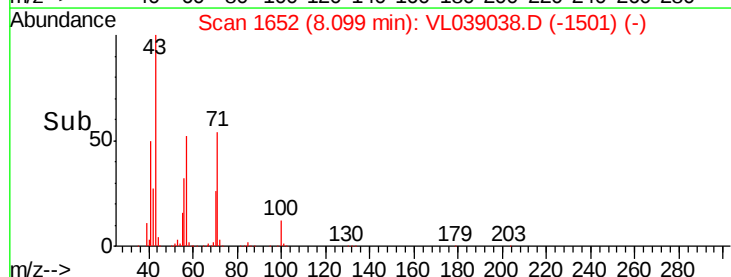
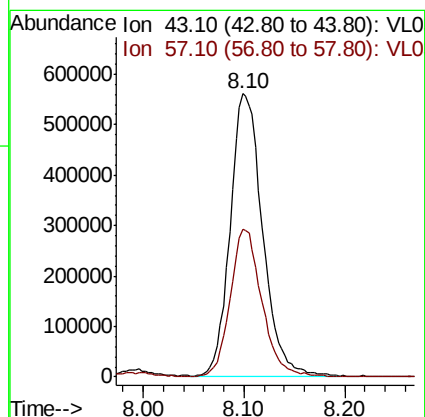
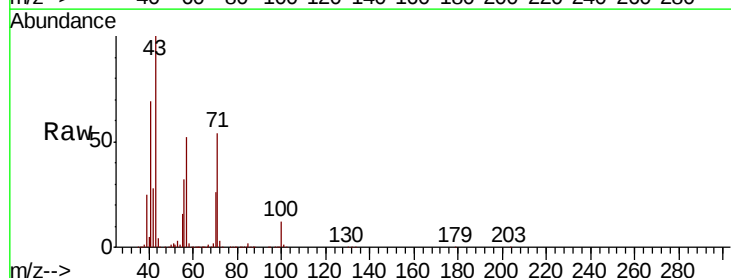
Acq: 13 May 2022 14:59

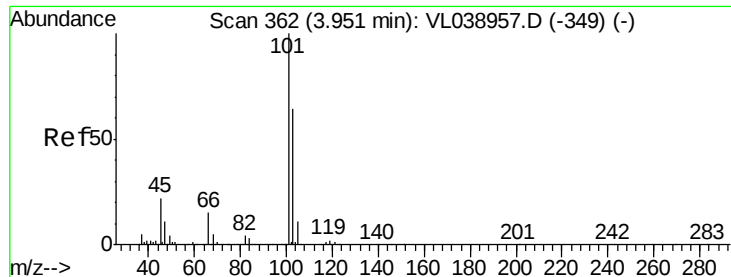
Tgt Ion: 43 Resp: 1247089

Ion Ratio Lower Upper

43 100

57 51.2 40.5 60.7





#11

Trichlorofluoromethane

Concen: 10.971 ppbv

RT: 3.94 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABS01

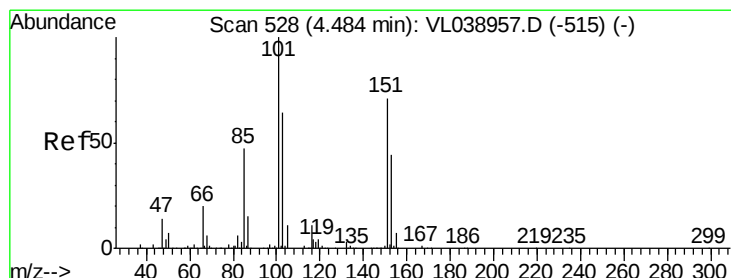
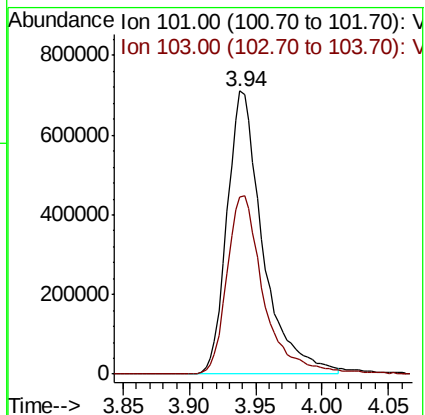
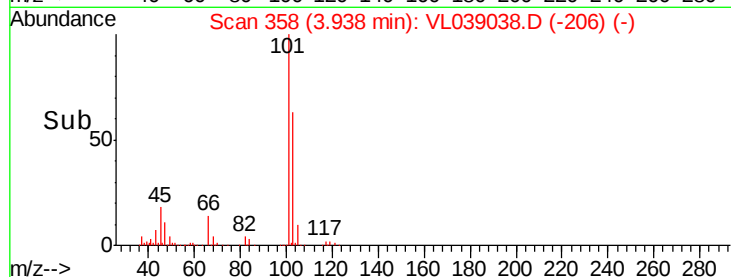
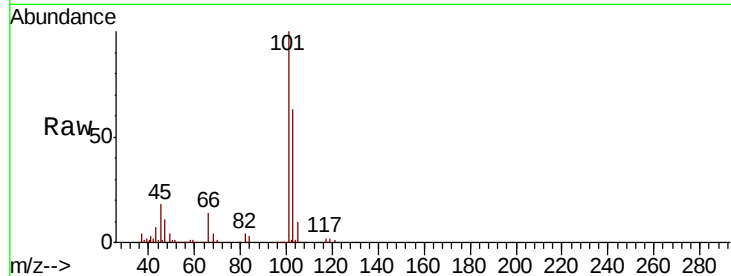
Acq: 13 May 2022 14:59

Tot Ion:101 Resp: 1333807

Ion Ratio Lower Upper

101 100

103 62.7 51.5 77.3



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.073 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.01 min

Lab File: VL039038.D

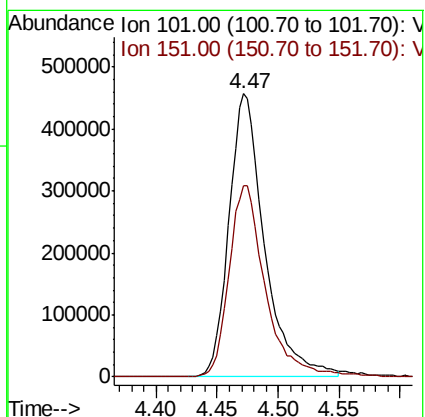
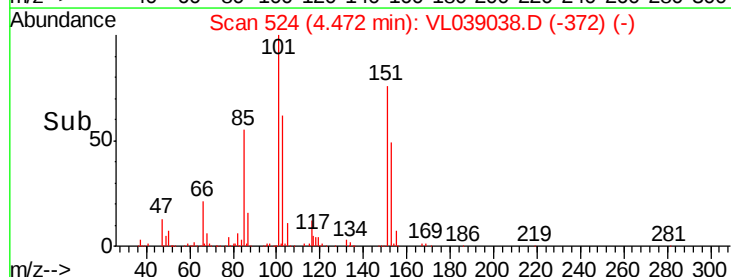
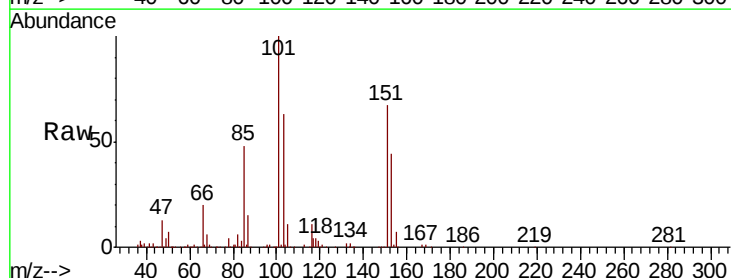
Acq: 13 May 2022 14:59

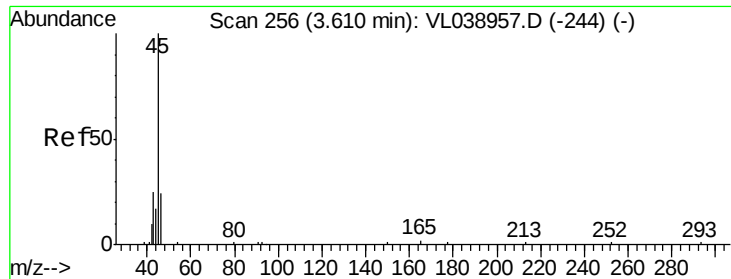
Tgt Ion:101 Resp: 927366

Ion Ratio Lower Upper

101 100

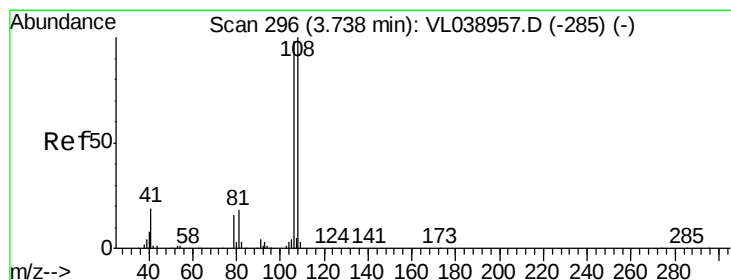
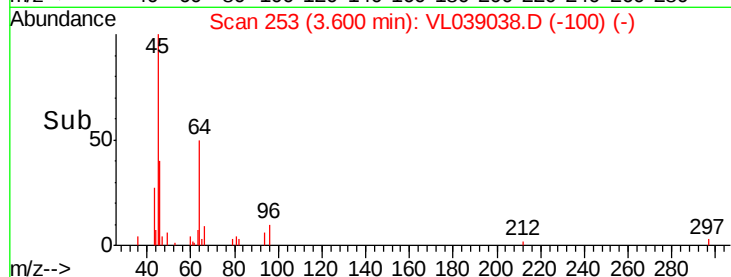
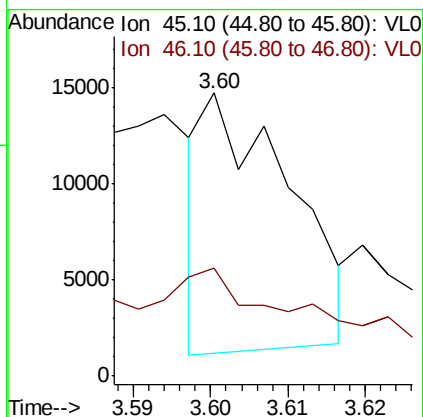
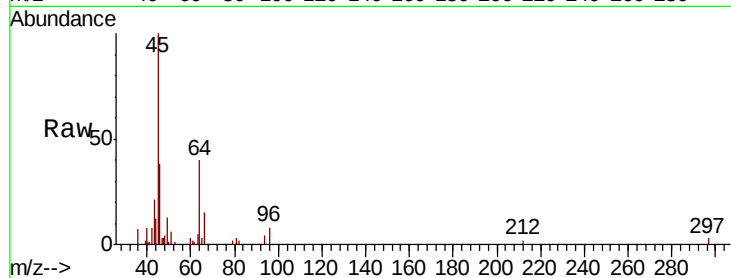
151 69.7 55.4 83.0





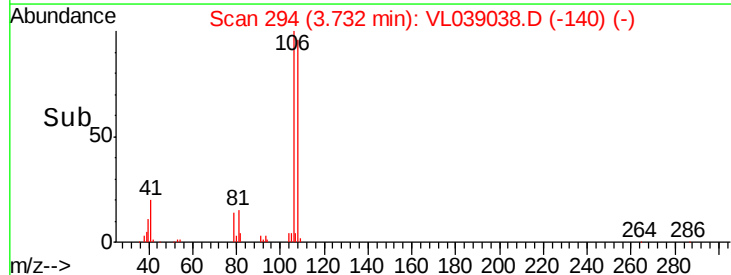
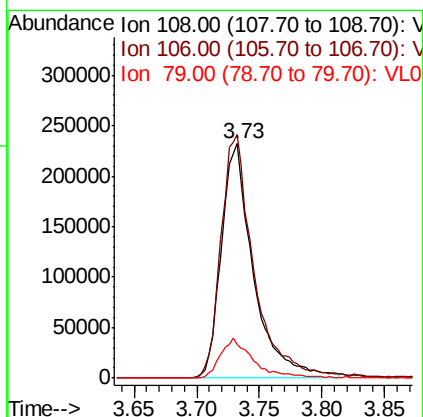
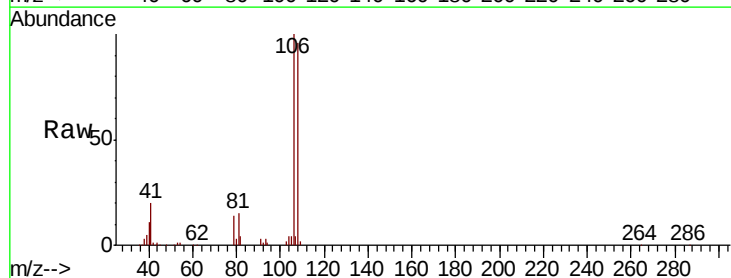
#13
Ethanol
Concen: 3.013 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0513ABS01
Acq: 13 May 2022 14:59

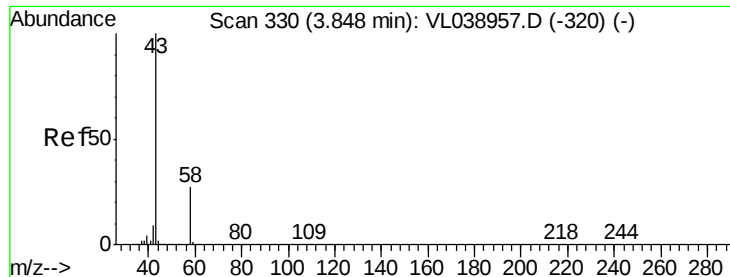
Tot Ion: 45 Resp: 10448
Ion Ratio Lower Upper
45 100
46 130.2 18.0 72.2#



#14
Bromoethene
Concen: 12.002 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.01 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

Tgt Ion: 108 Resp: 414474
Ion Ratio Lower Upper
108 100
106 107.7 90.3 135.5
79 18.0 14.9 22.3





#15

Acetone

Concen: 10.781 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

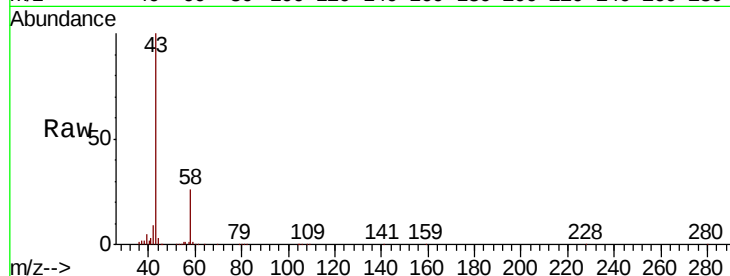
Acq: 13 May 2022 14:59 VL0513ABS01

Tot Ion: 43 Resp: 919645

Ion Ratio Lower Upper

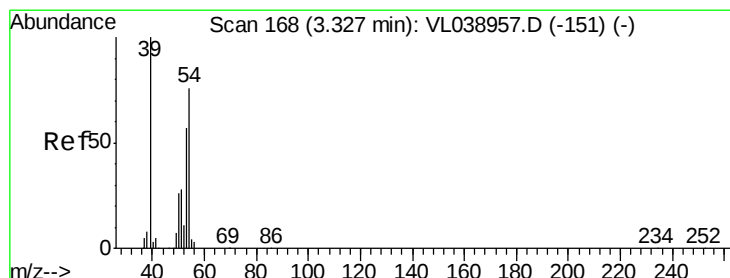
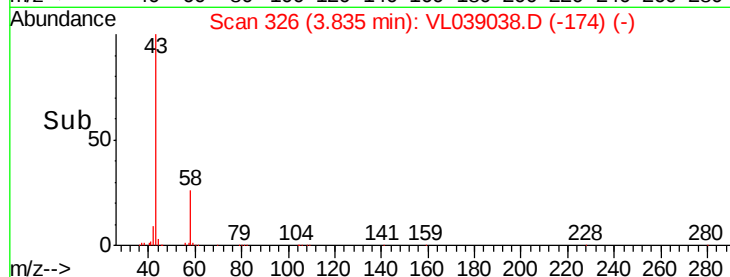
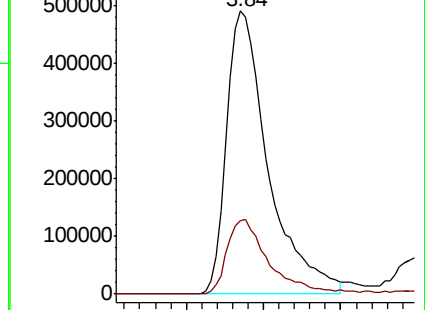
43 100

58 27.1 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.769 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL039038.D

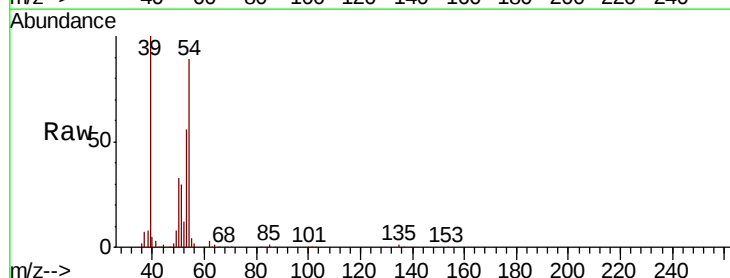
Acq: 13 May 2022 14:59

Tgt Ion: 39 Resp: 527795

Ion Ratio Lower Upper

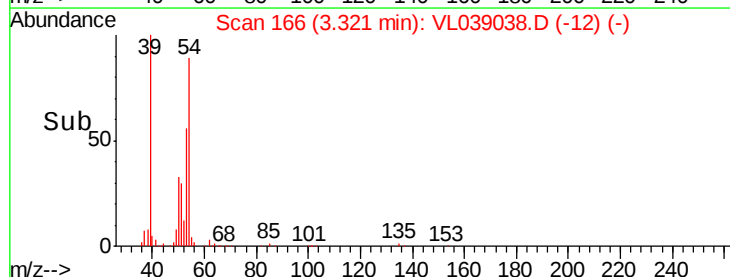
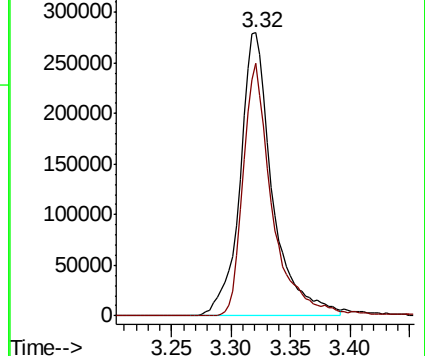
39 100

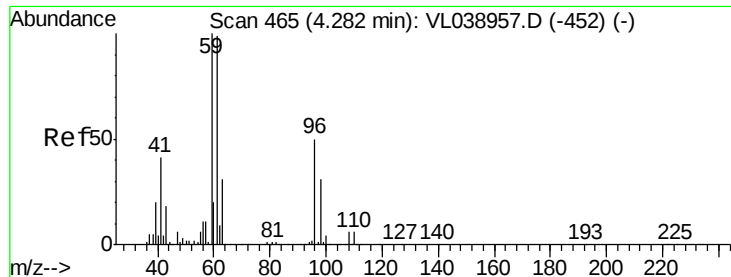
54 81.4 65.2 97.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.077 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

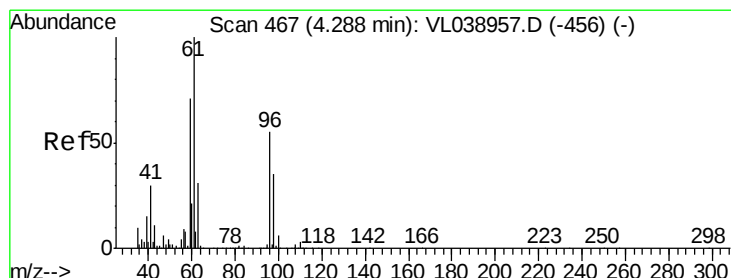
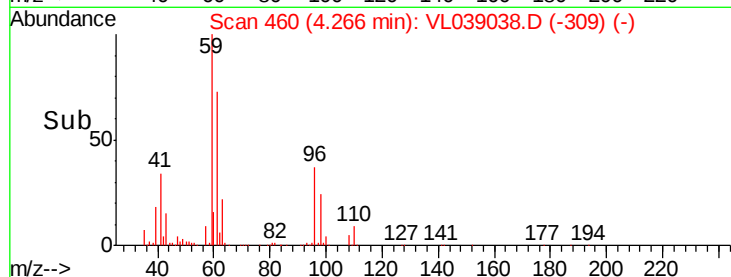
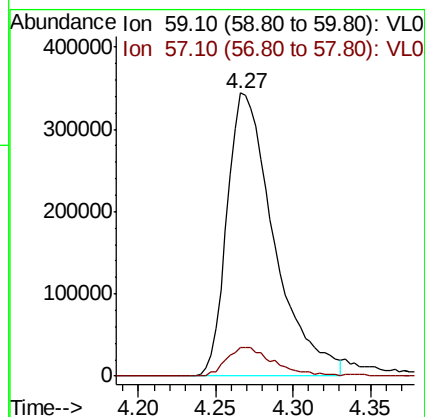
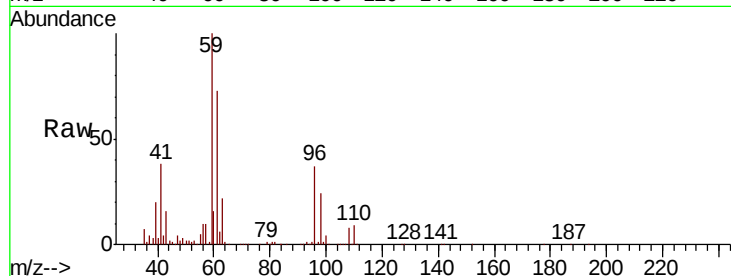
Acq: 13 May 2022 14:59

Tot Ion: 59 Resp: 726226

Ion Ratio Lower Upper

59 100

57 10.7 9.2 13.8



#18

1,1-Dichloroethene

Concen: 11.357 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.01 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

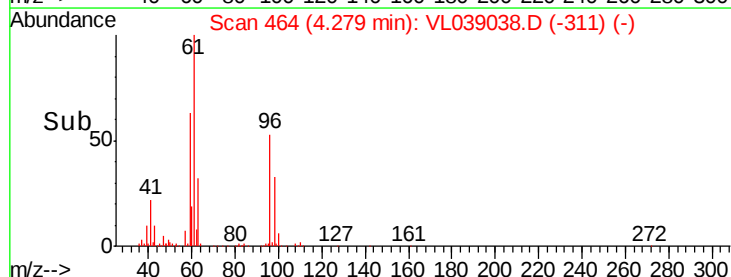
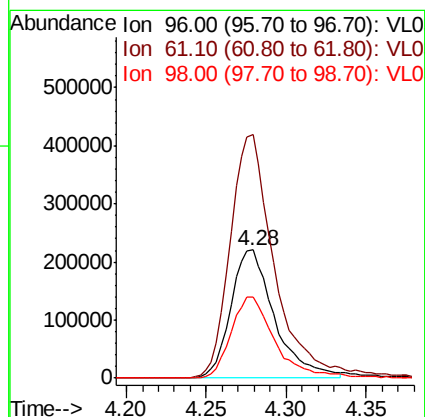
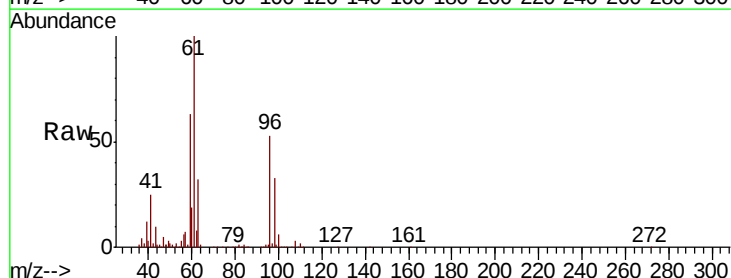
Tgt Ion: 96 Resp: 409350

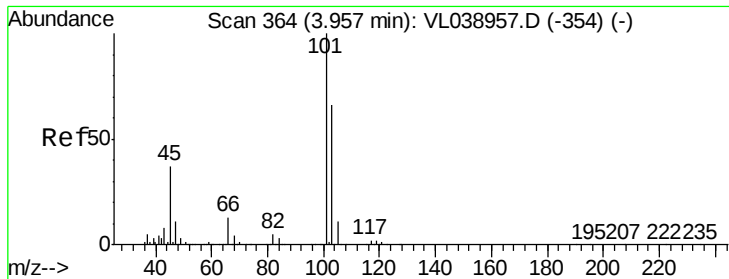
Ion Ratio Lower Upper

96 100

61 190.5 146.3 219.5

98 63.5 50.6 75.8





#19

Isopropyl Alcohol

Concen: 11.706 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

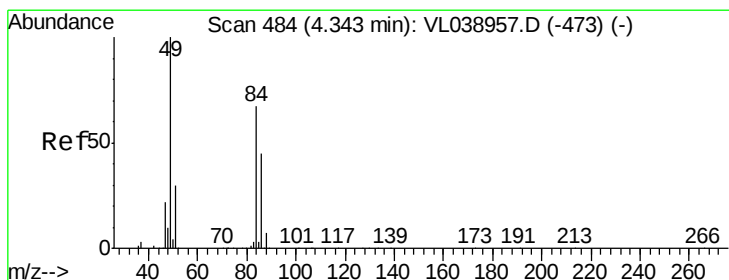
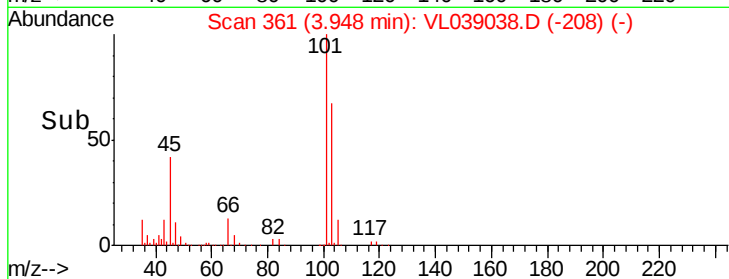
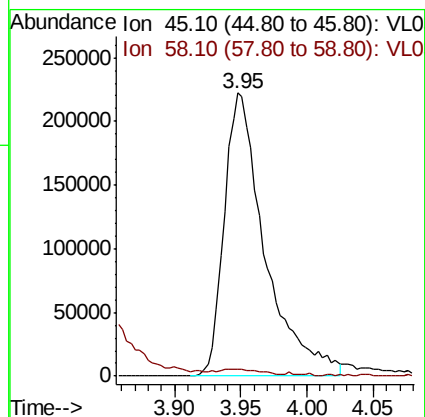
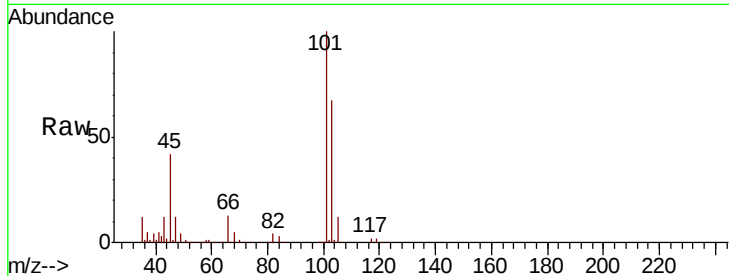
Acq: 13 May 2022 14:59

Tot Ion: 45 Resp: 474804

Ion Ratio Lower Upper

45 100

58 3.1 1.4 2.2#



#20

Methylene Chloride

Concen: 10.490 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

Tgt Ion: 84 Resp: 337284

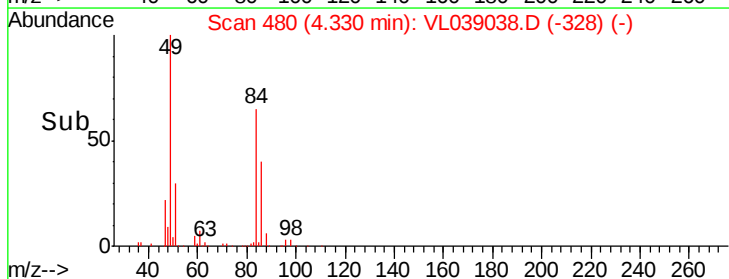
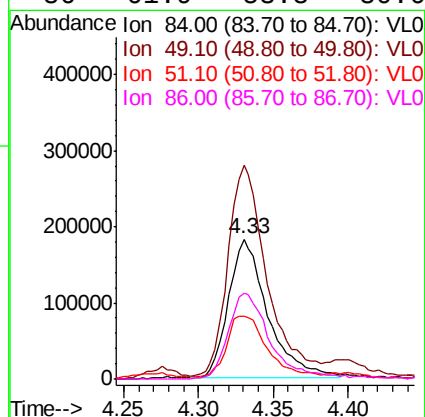
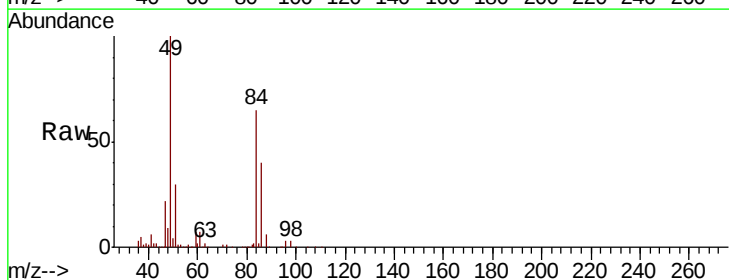
Ion Ratio Lower Upper

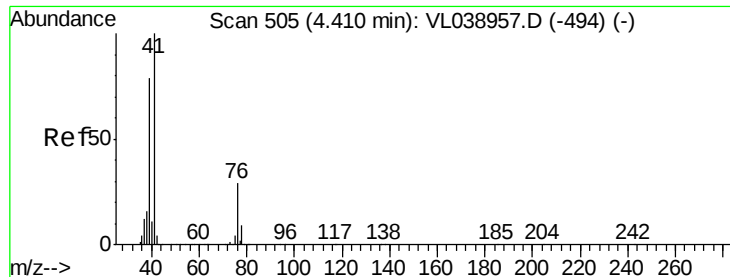
84 100

49 151.4 119.9 179.9

51 43.7 35.7 53.5

86 61.9 53.8 80.6





#21

Allvl Chloride

Concen: 11.067 ppbv

RT: 4.40 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0513ABS01

Acq: 13 May 2022 14:59

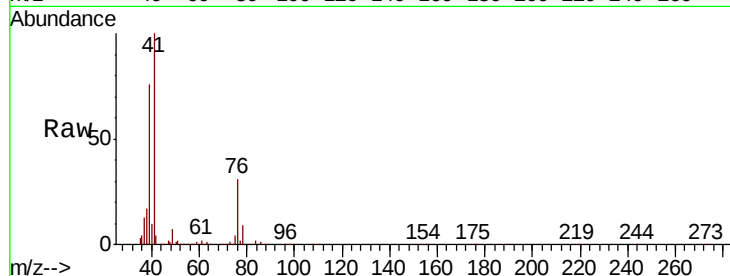
Tot Ion: 41 Resp: 643340

Ion Ratio Lower Upper

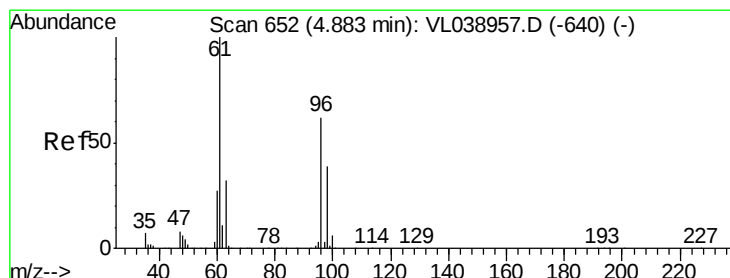
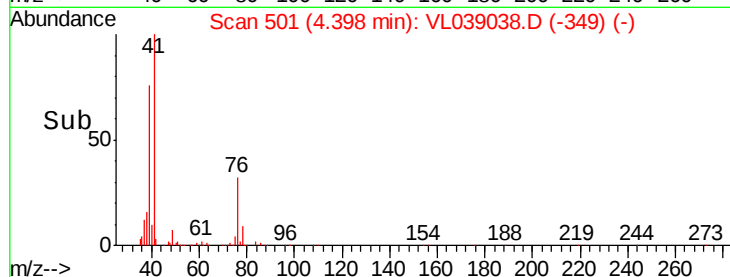
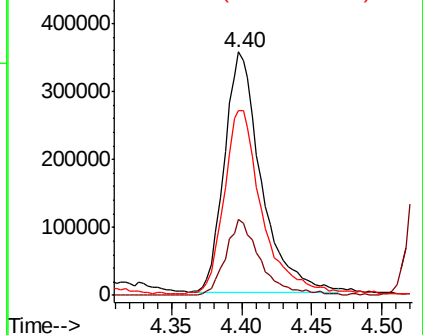
41 100

76 30.0 24.2 36.4

39 80.1 63.8 95.8



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: 11.122 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.01 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

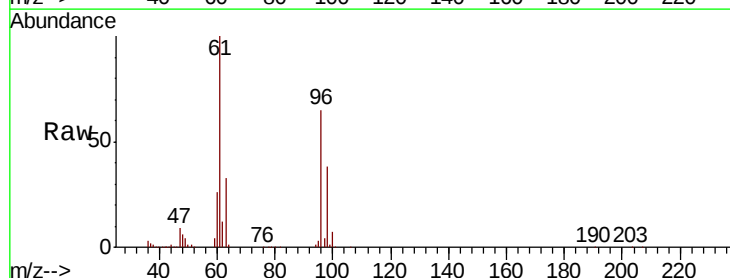
Tgt Ion: 96 Resp: 433013

Ion Ratio Lower Upper

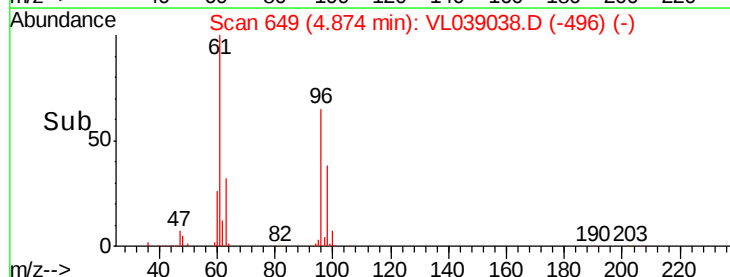
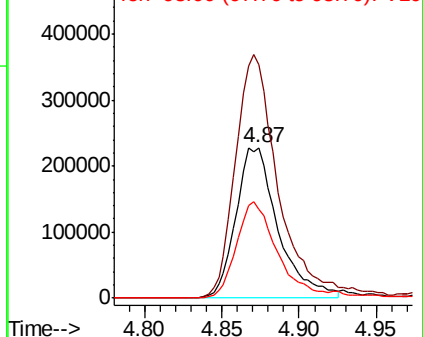
96 100

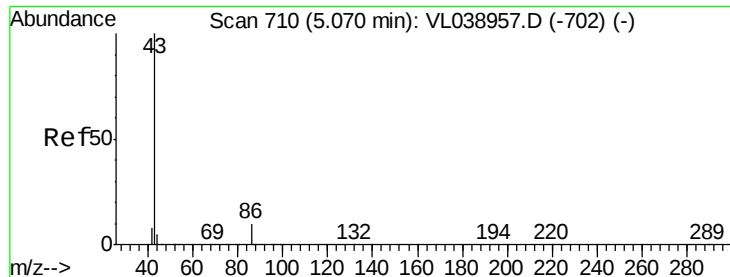
61 154.6 128.2 192.2

98 58.7 50.1 75.1



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: 11.726 ppbv

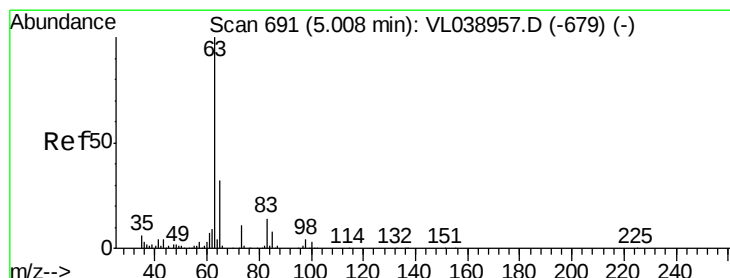
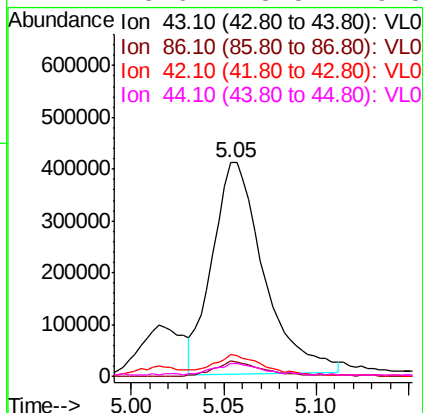
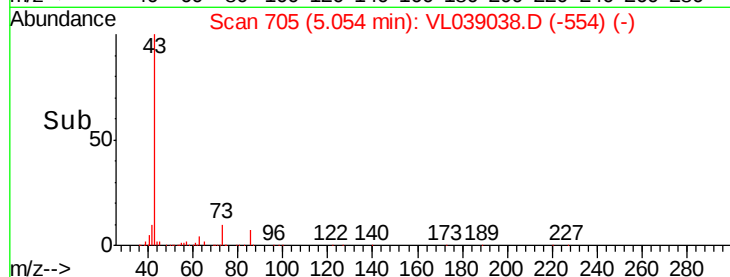
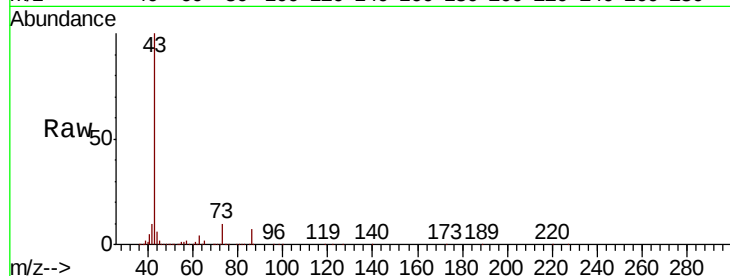
RT: 5.05 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0513ABS01

Acq: 13 May 2022 14:59

Tot Ion:	43	Resp:	791435
Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.6	9.8
42	10.3	8.1	12.1
44	5.6	3.5	5.3#



#24

1,1-Dichloroethane

Concen: 10.569 ppbv

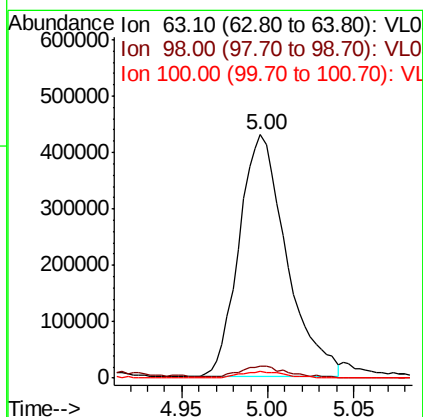
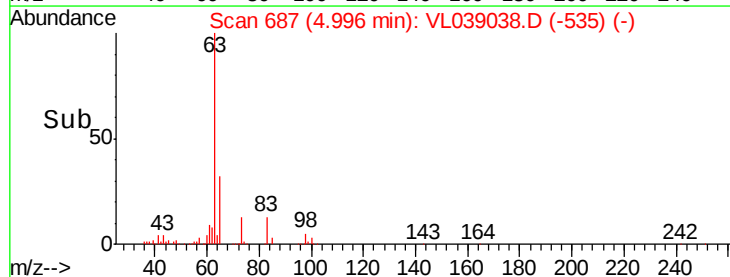
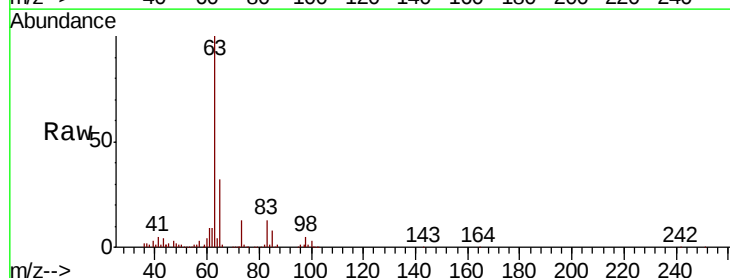
RT: 5.00 min Scan# 687

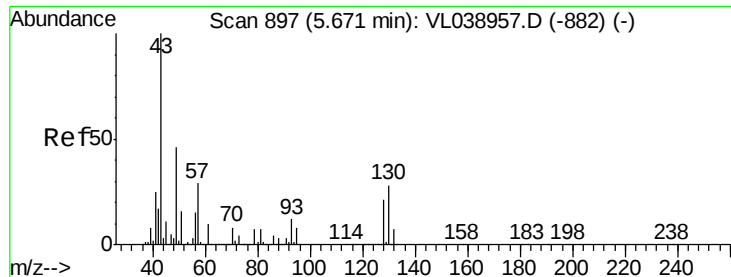
Delta R.T. -0.01 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

Tgt Ion:	63	Resp:	821419
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.2
100	2.8	1.4	4.2

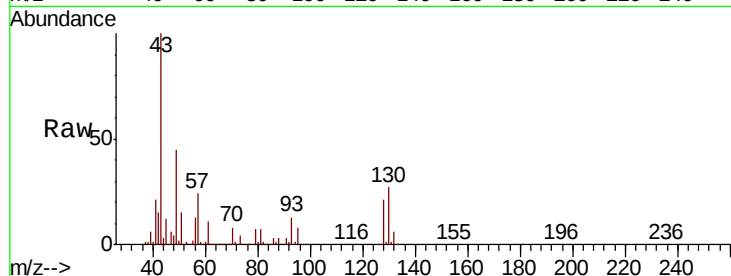




#25
Ethyl Acetate
Concen: 10.701 ppbv
RT: 5.65
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0513ABS01
Acq: 13 May 2022 14:59

Tot Ion: 43 Resp: 2184844

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.1	12.1
61	10.0	7.8	11.6
70	7.0	5.6	8.4



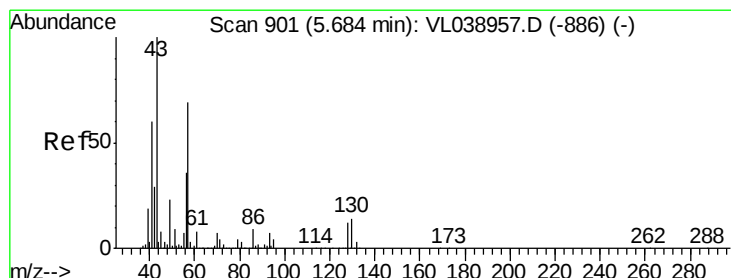
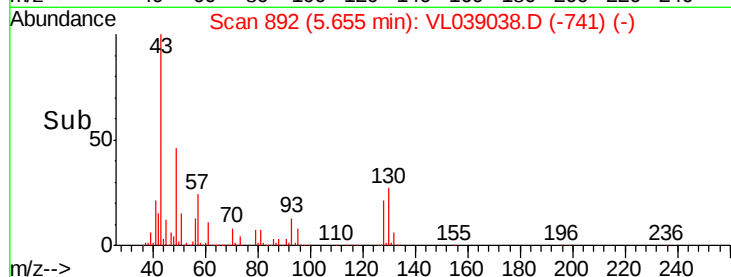
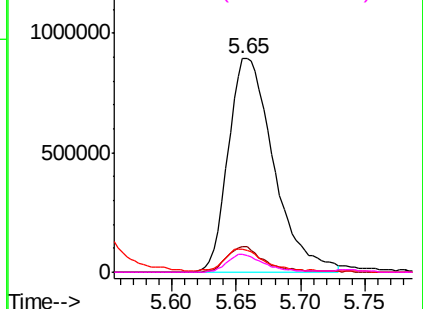
Abundance

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

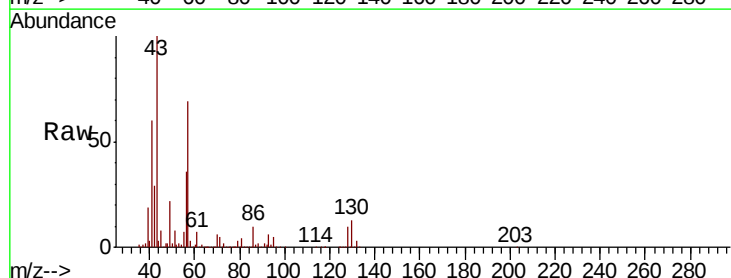
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.612 ppbv
RT: 5.67 min Scan# 897
Delta R.T.: -0.01 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

Tgt Ion: 57 Resp: 962733

Ion	Ratio	Lower	Upper
57	100		
41	90.1	75.2	112.8
43	233.2	190.8	286.2
56	53.2	43.0	64.6



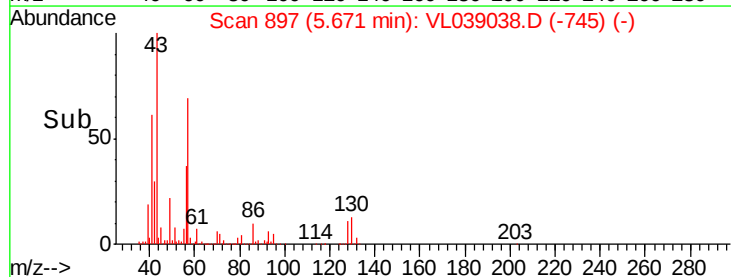
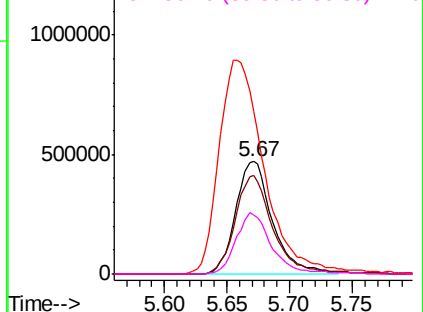
Abundance

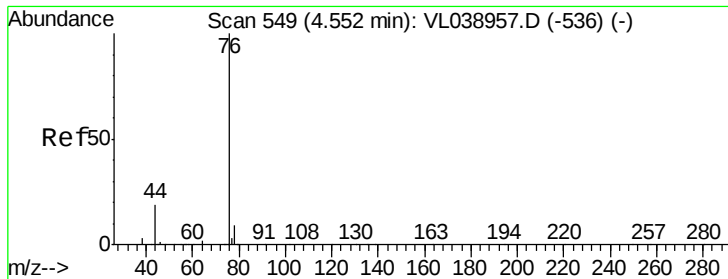
Ion 57.10 (56.80 to 57.80): VL0

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

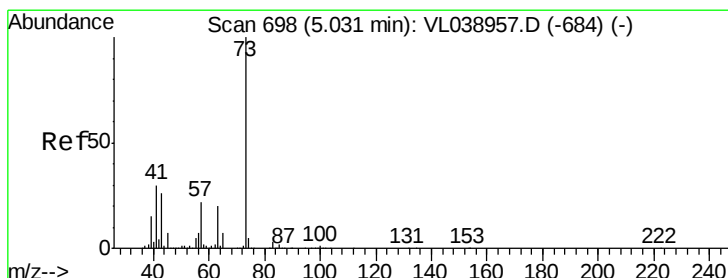
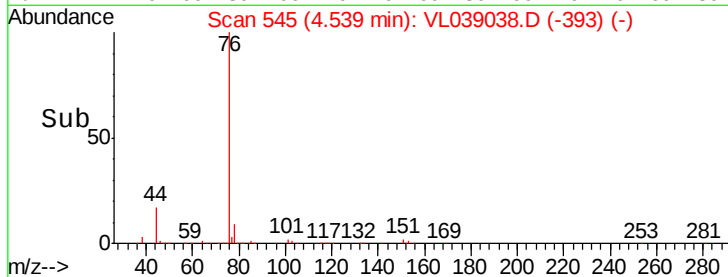
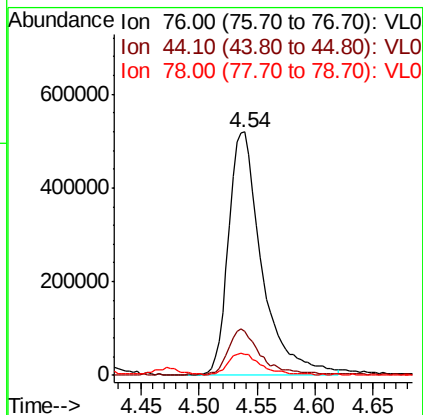
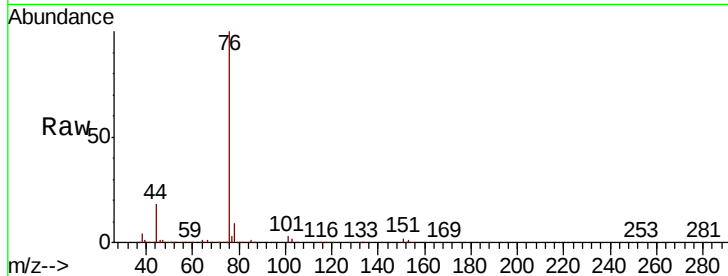




#27
Carbon Disulfide
Concen: 11.943 ppbv
RT: 4.54
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0513ABS01
Acq: 13 May 2022 14:59

Tot Ion: 76 Resp: 1029203

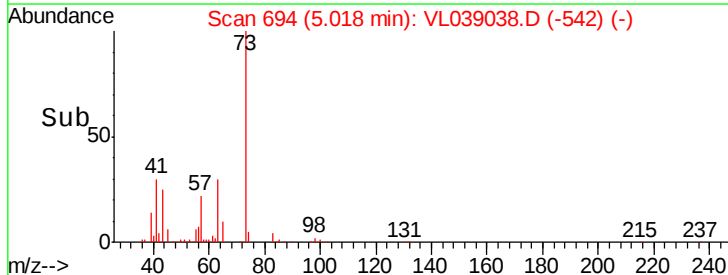
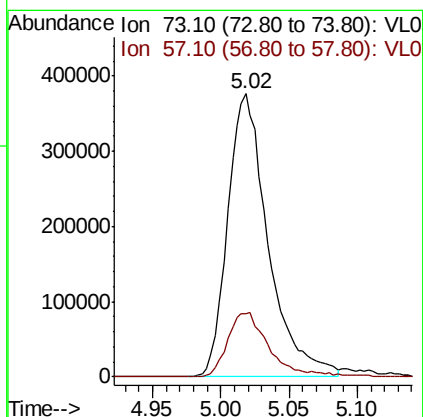
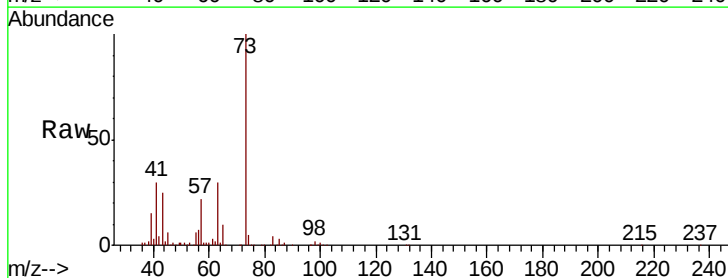
Ion	Ratio	Lower	Upper
76	100		
44	18.1	15.3	22.9
78	9.3	8.2	12.2

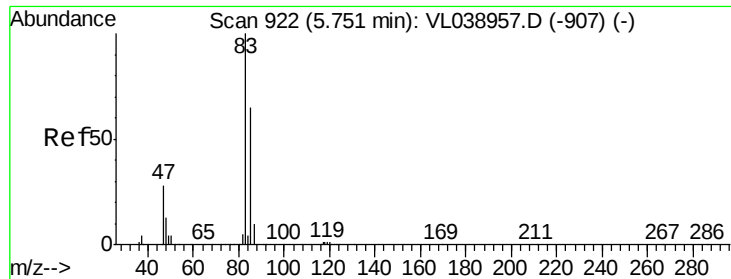


#28
Methyl tert-Butyl Ether
Concen: 11.229 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.01 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

Tgt Ion: 73 Resp: 775073

Ion	Ratio	Lower	Upper
73	100		
57	23.7	18.8	28.2





#29

Chloroform

Concen: 10.885 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

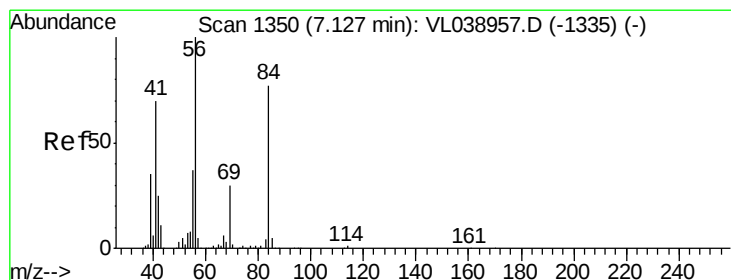
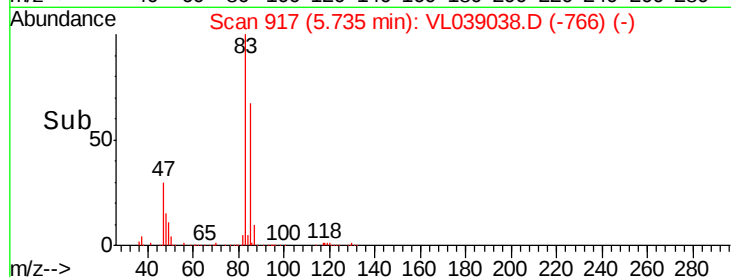
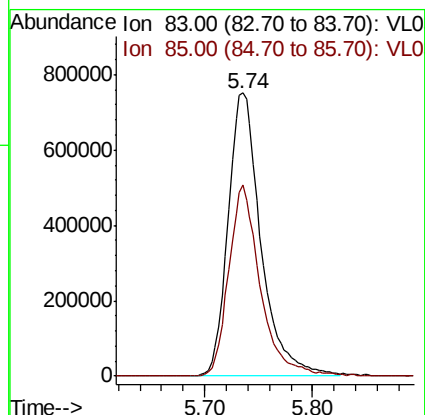
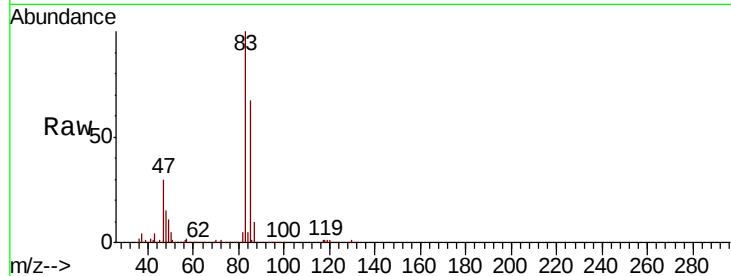
Acq: 13 May 2022 14:59 VL0513ABS01

Tot Ion: 83 Resp: 1597600

Ion Ratio Lower Upper

83 100

85 67.4 51.8 77.6



#30

Cyclohexane

Concen: 10.586 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. -0.02 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

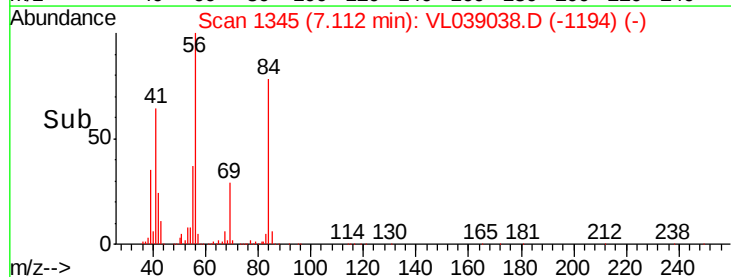
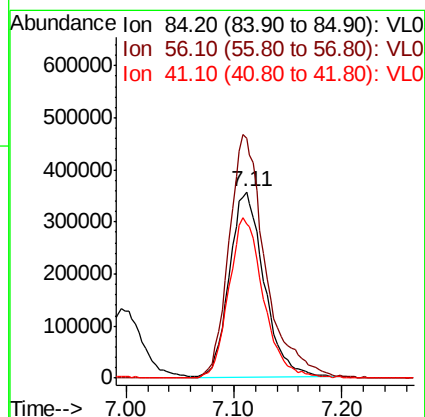
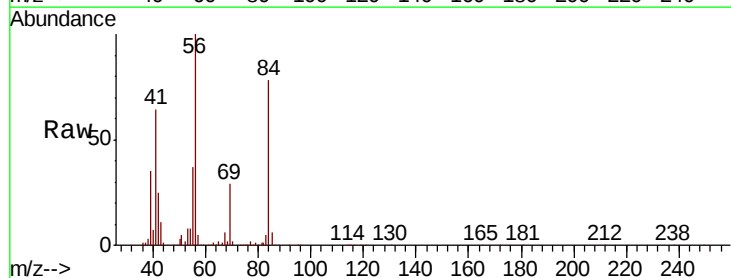
Tgt Ion: 84 Resp: 804073

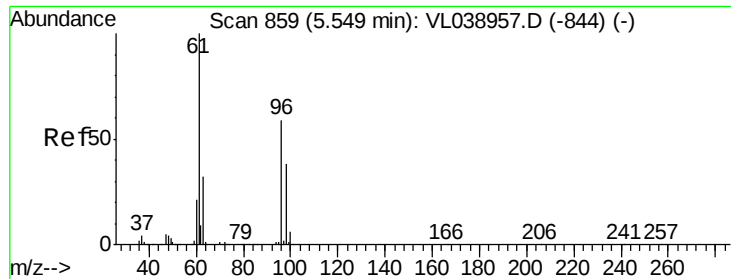
Ion Ratio Lower Upper

84 100

56 137.9 115.3 172.9

41 86.7 72.0 108.0





#31

cis-1,2-Dichloroethene

Concen: 10.833 ppbv

RT: 5.53 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABS01

Acq: 13 May 2022 14:59

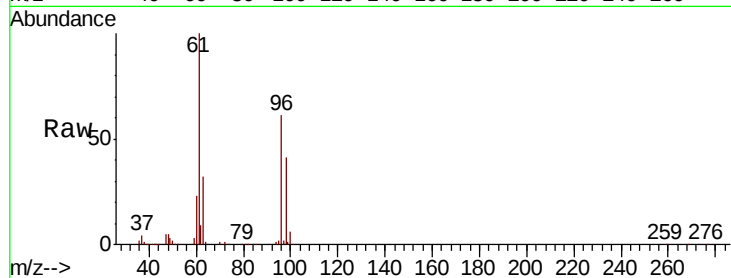
Tot Ion: 61 Resp: 1001182

Ion Ratio Lower Upper

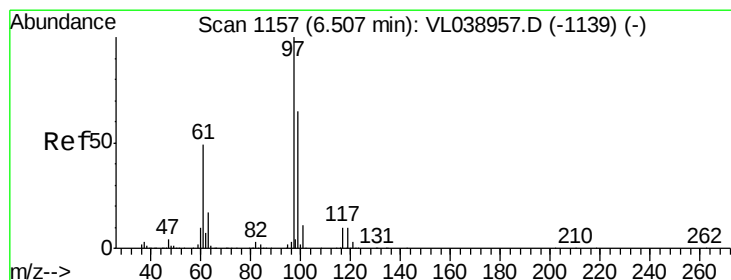
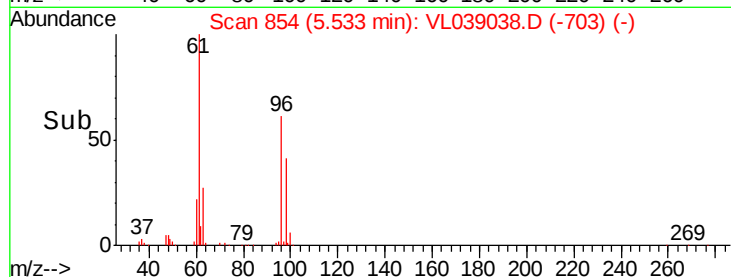
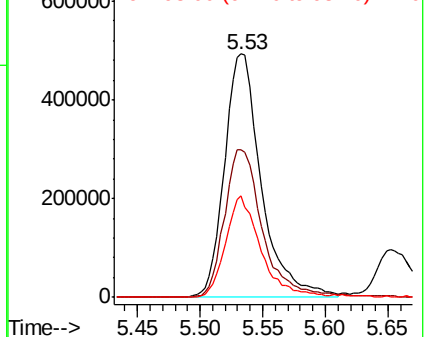
61 100

96 60.6 47.4 71.0

98 41.5 30.6 45.8



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: 10.933 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

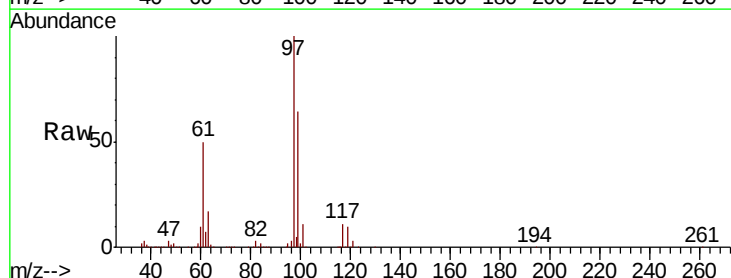
Tgt Ion: 97 Resp: 1604568

Ion Ratio Lower Upper

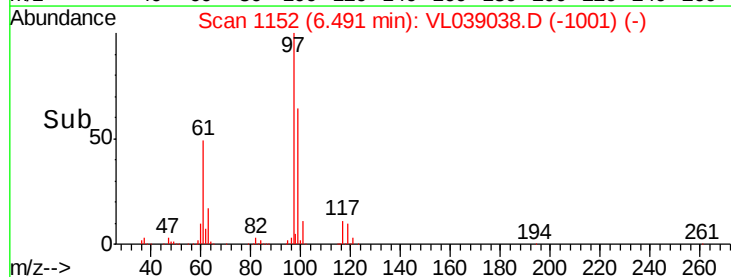
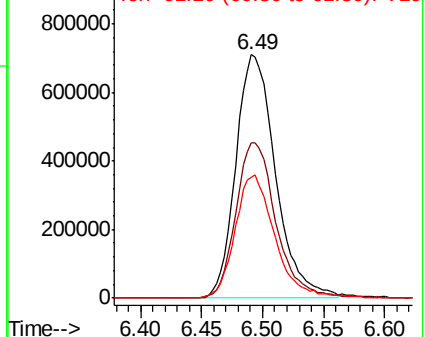
97 100

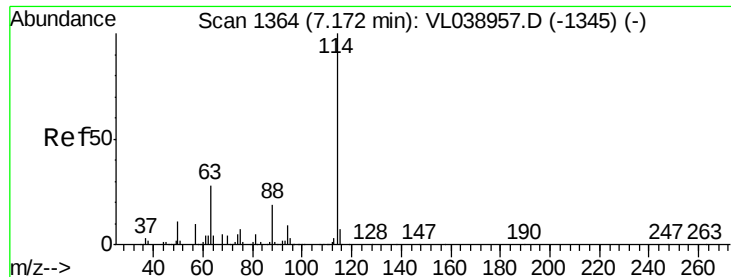
99 64.6 51.9 77.9

61 50.6 40.9 61.3



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: 7.16 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0513ABS01

Acq: 13 May 2022 14:59

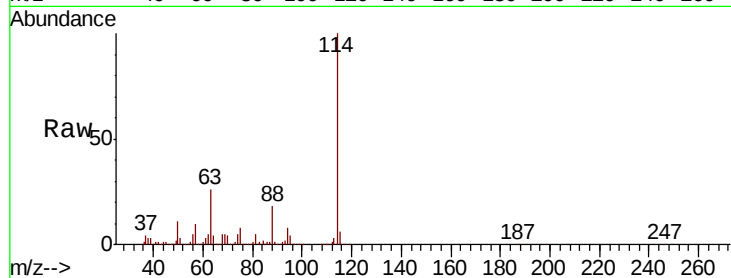
Tot Ion:114 Resp: 2248486

Ion Ratio Lower Upper

114 100

63 27.5 22.6 33.8

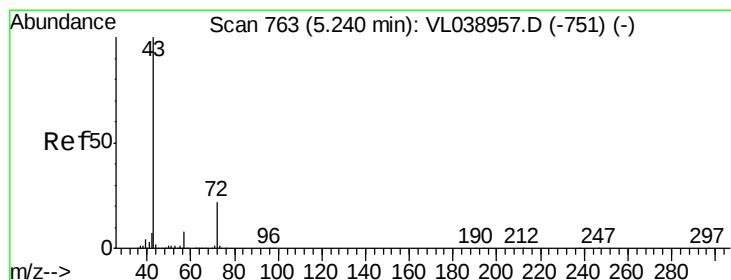
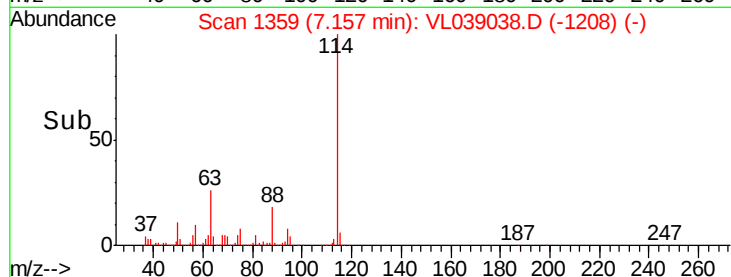
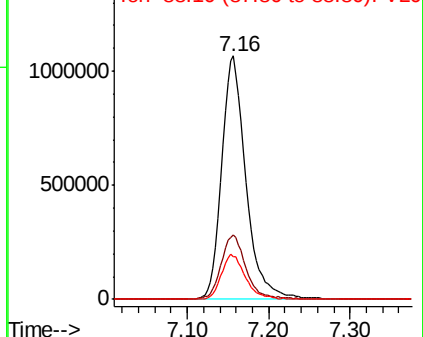
88 18.5 15.4 23.0



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: 11.395 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.02 min

Lab File: VL039038.D

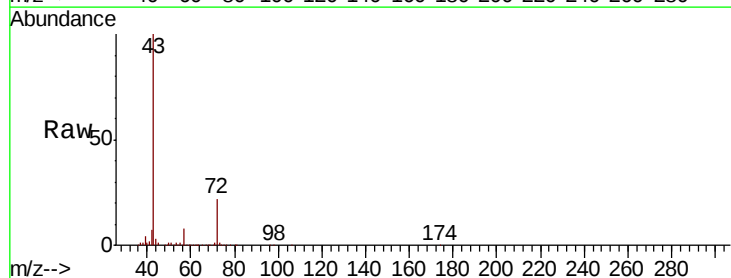
Acq: 13 May 2022 14:59

Tgt Ion: 43 Resp: 1307119

Ion Ratio Lower Upper

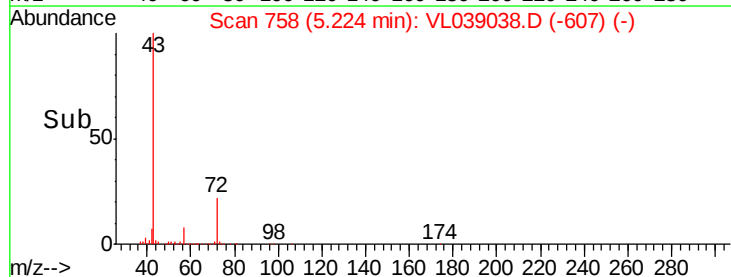
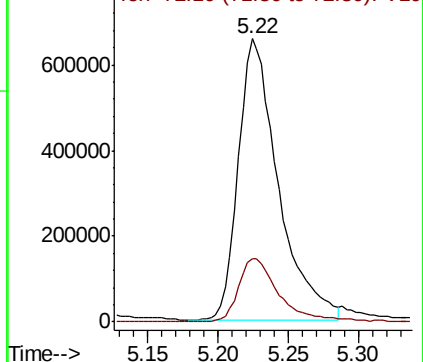
43 100

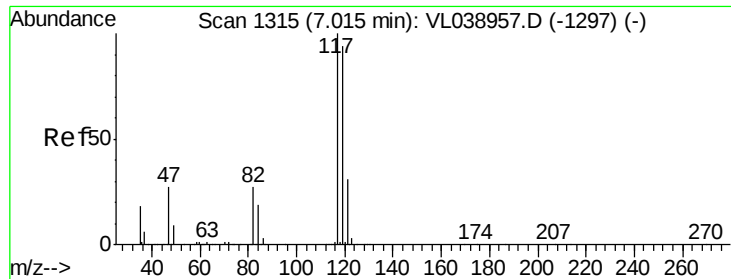
72 23.5 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

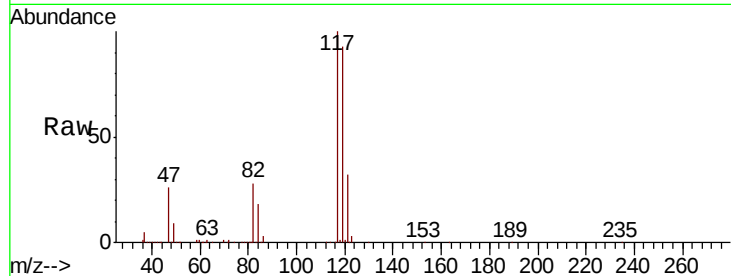
Ion 72.10 (71.80 to 72.80): VL0



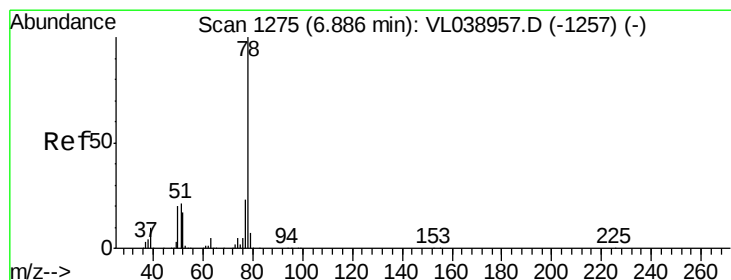
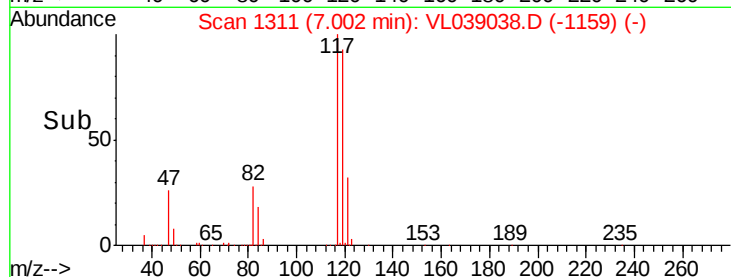
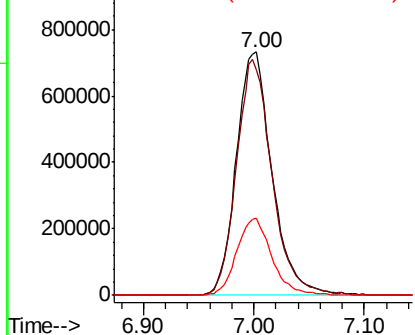


#35
Carbon Tetrachloride
Concen: 11.089 ppbv
RT: 7.00
Instrument: MSVOA_L
Delta R.T.:
ClientSampleId:
Lab File: VL0513ABS01
Acq: 13 May 2022 14:59

Tot Ion:117 Resp: 1642809
Ion Ratio Lower Upper
117 100
119 92.8 75.2 112.8
121 31.7 24.6 37.0

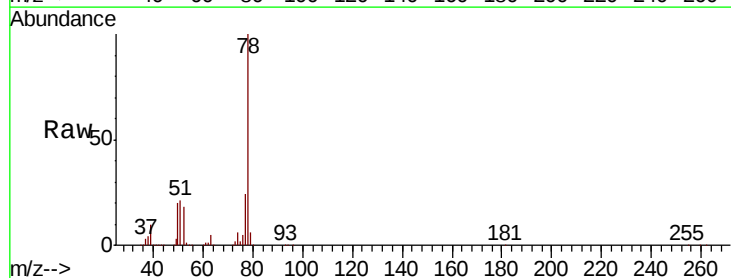


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

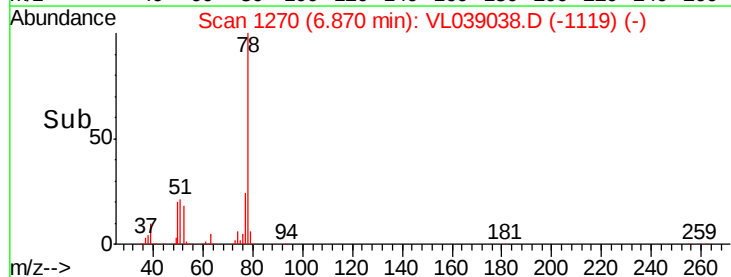
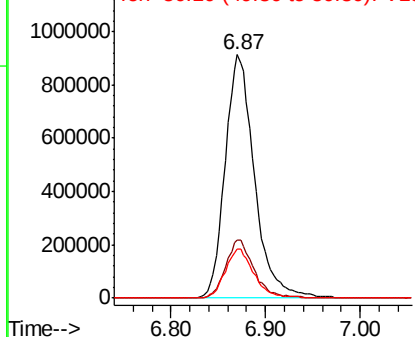


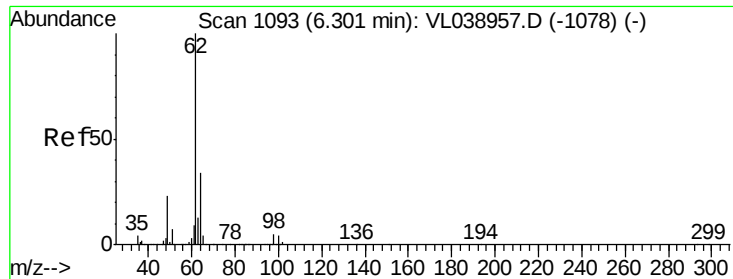
#36
Benzene
Concen: 10.224 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

Tgt Ion: 78 Resp: 1967251
Ion Ratio Lower Upper
78 100
77 23.7 18.6 28.0
50 19.9 15.6 23.4



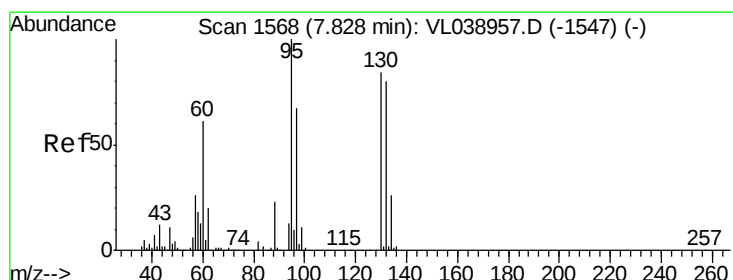
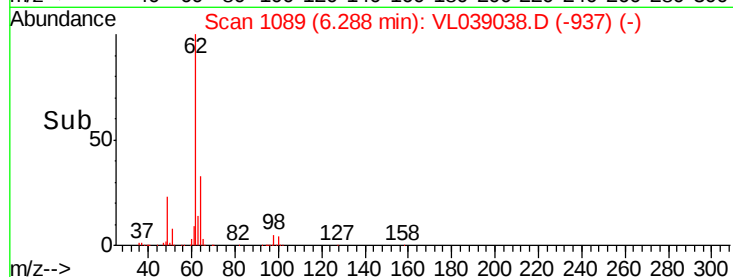
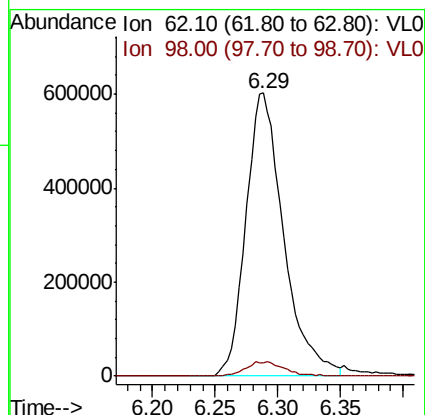
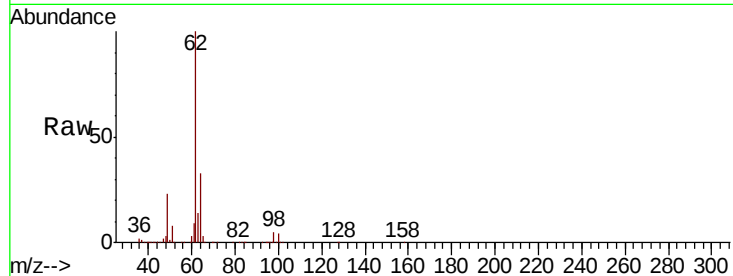
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





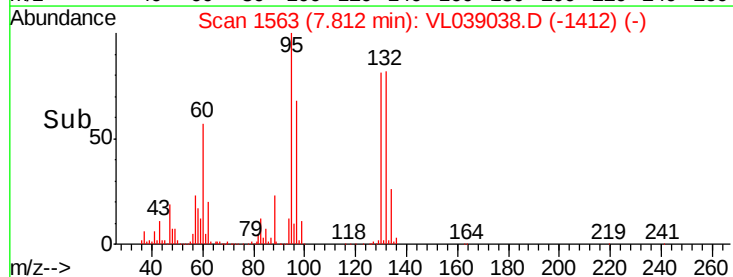
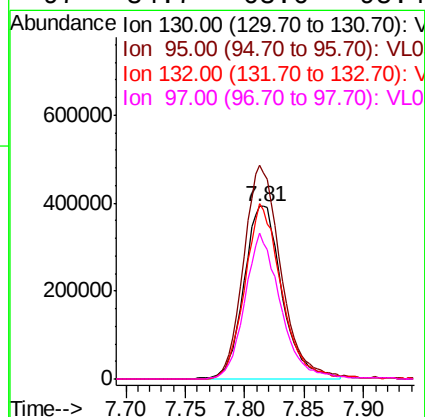
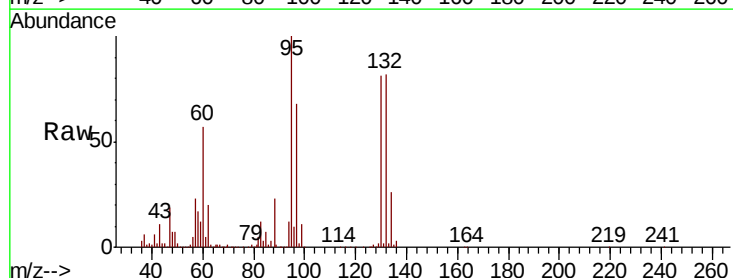
#37
 1,2-Dichloroethane
 Concen: 10.603 ppbv
 RT: 6.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0513ABS01
 Acq: 13 May 2022 14:59

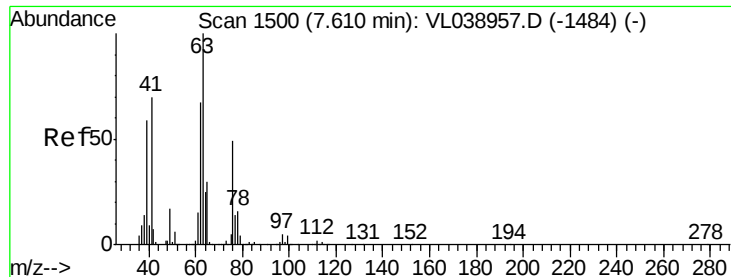
Tot Ion: 62 Resp: 1262312
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7



#38
 Trichloroethene
 Concen: 10.112 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T.: -0.02 min
 Lab File: VL039038.D
 Acq: 13 May 2022 14:59

Tgt Ion: 130 Resp: 865011
 Ion Ratio Lower Upper
 130 100
 95 123.9 94.8 142.2
 132 101.6 75.8 113.8
 97 84.7 63.6 95.4





#39

1,2-Dichloropropane

Concen: 10.297 ppbv

RT: 7.59 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 14:59 VL0513ABS01

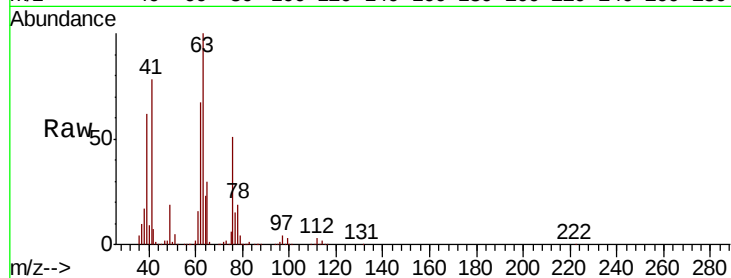
Tot Ion: 63 Resp: 770917

Ion Ratio Lower Upper

63 100

41 77.5 55.9 83.9

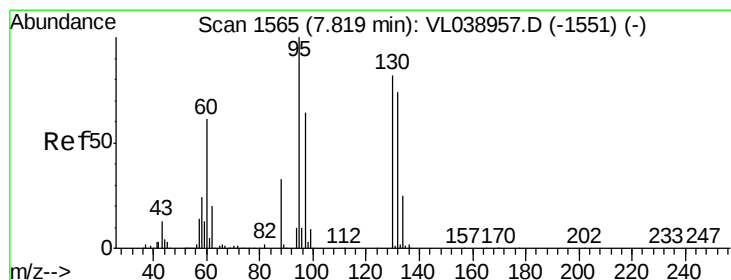
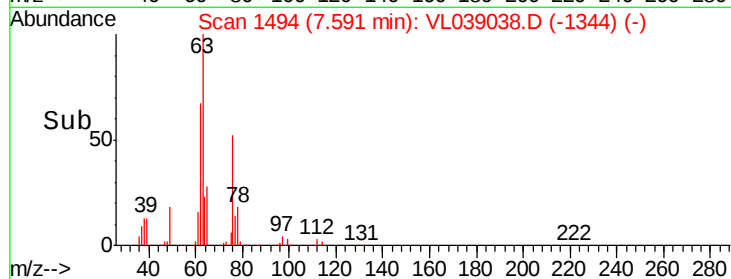
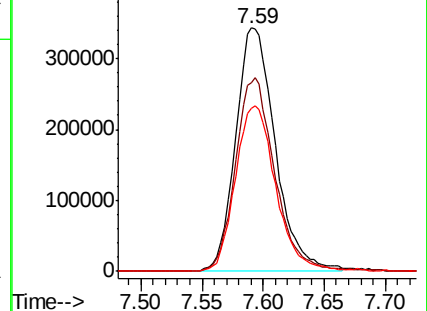
62 67.2 53.8 80.6



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: 10.398 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

Tgt Ion: 88 Resp: 279611

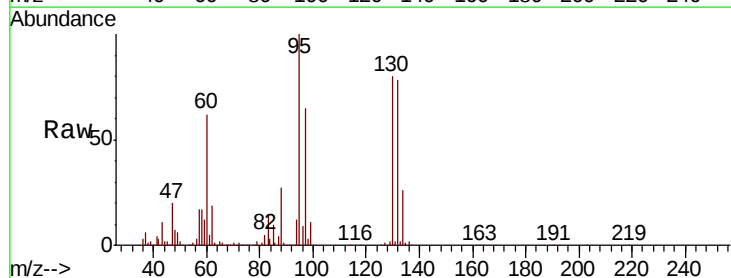
Ion Ratio Lower Upper

88 100

58 74.1 106.1 159.1#

43 0.0 222.9 334.3#

57 0.0 957.6 1436.4#

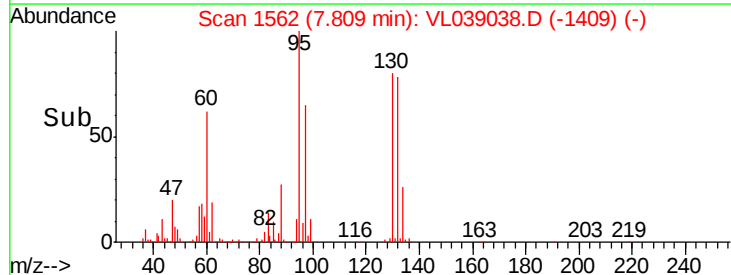
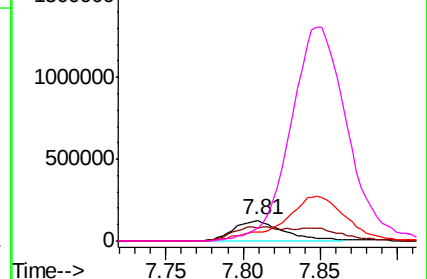


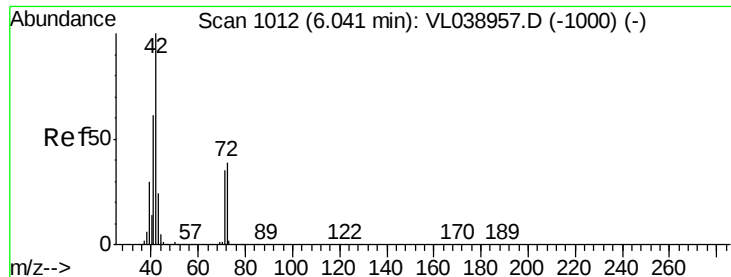
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

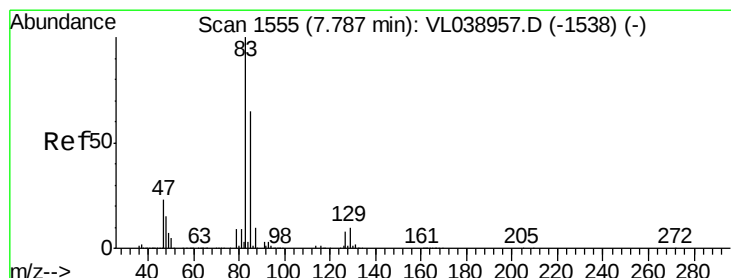
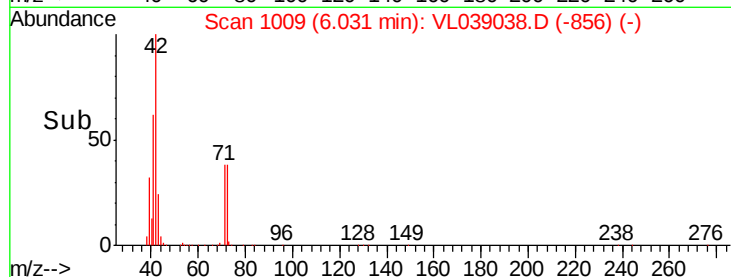
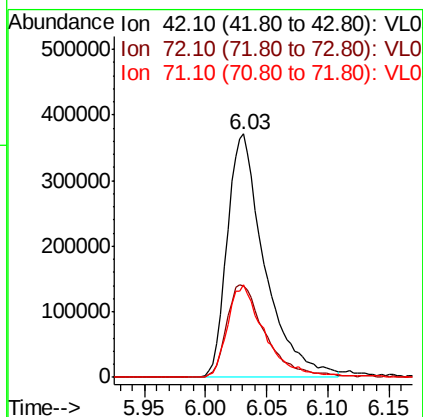
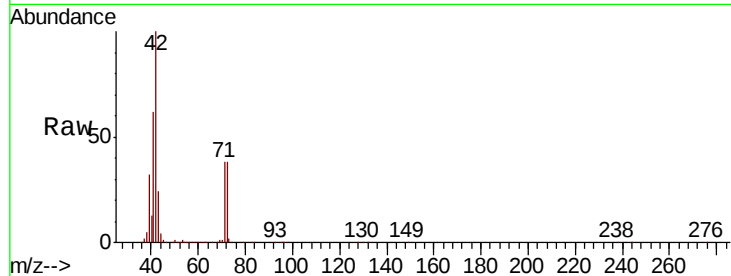
Ion 57.10 (56.80 to 57.80): VL0





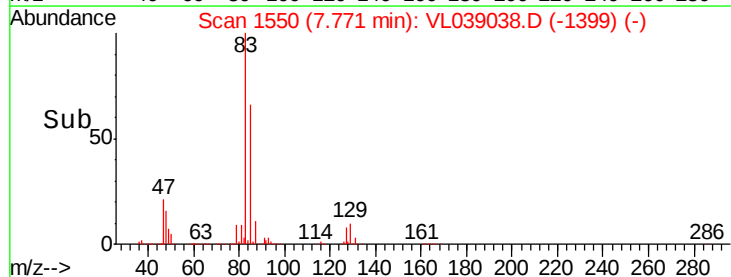
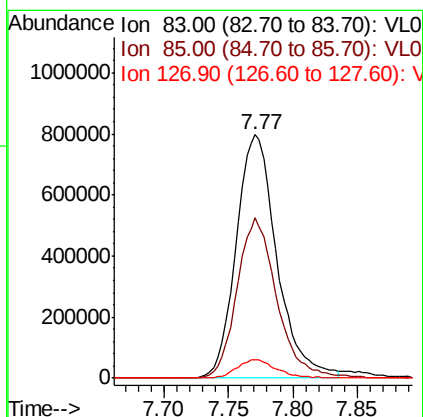
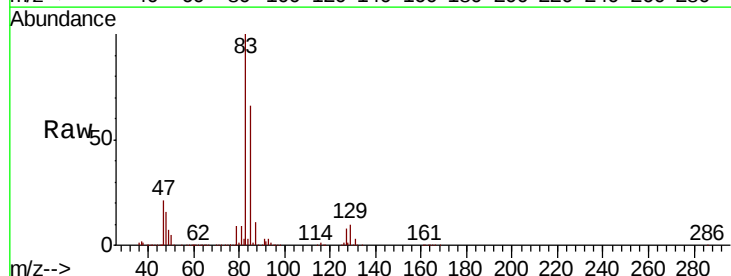
#41
Tetrahydrofuran
Concen: 10.321 ppbv
RT: 6.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0513ABS01
Acq: 13 May 2022 14:59

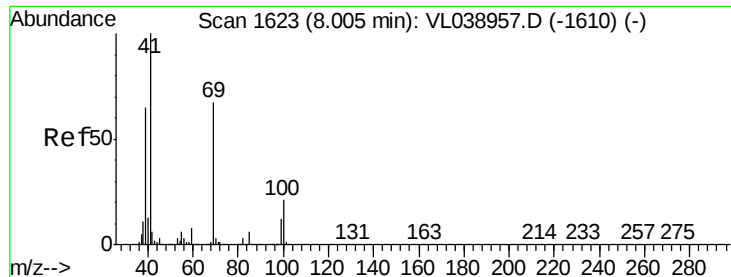
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	31.8	47.6
71	38.4	30.6	45.8



#42
Bromodichloromethane
Concen: 10.727 ppbv
RT: 7.77 min Scan# 1550
Delta R.T.: -0.02 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

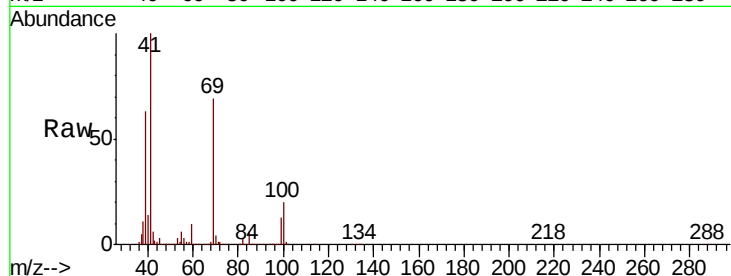
Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.0	78.0
127	7.7	6.0	9.0



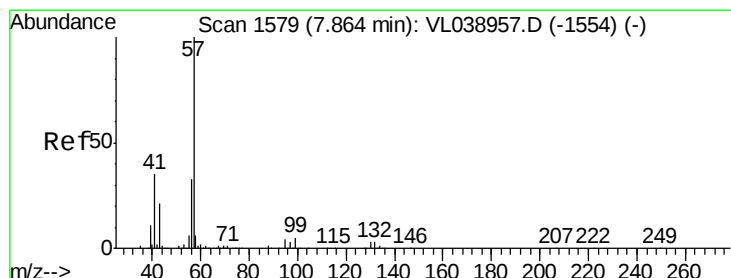
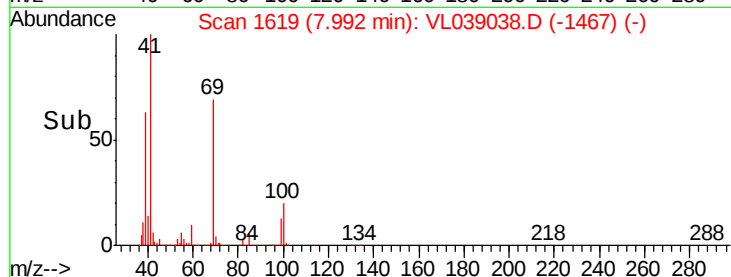
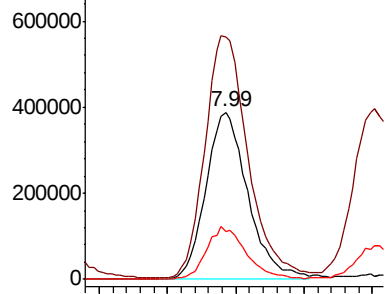


#43
Methyl Methacrylate
Concen: 10.576 ppbv
RT: 7.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 May 2022 14:59

Tot Ion: 69 Resp: 826184
Ion Ratio Lower Upper
69 100
41 151.0 121.9 182.9
100 30.3 24.6 36.8

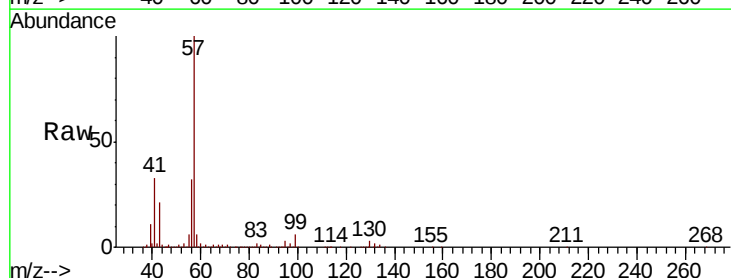


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

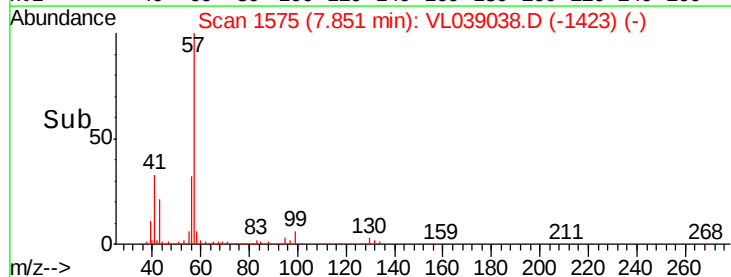
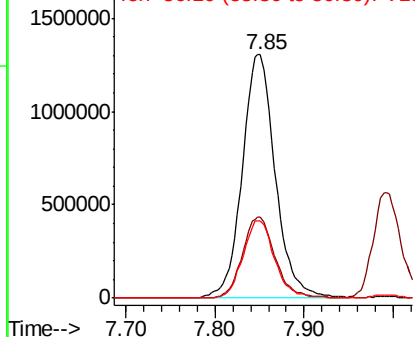


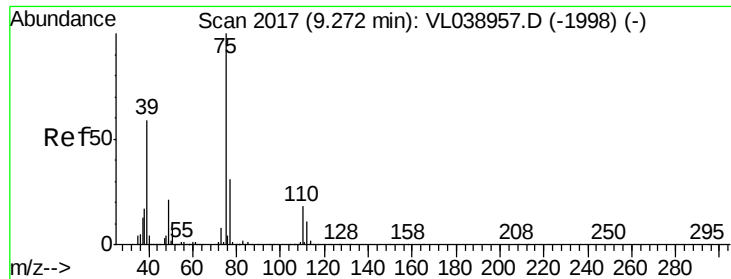
#44
2,2,4-Trimethylpentane
Concen: 9.955 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

Tgt Ion: 57 Resp: 3361176
Ion Ratio Lower Upper
57 100
41 32.6 26.3 39.5
56 30.7 24.6 37.0



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: 12.608 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0513ABS01

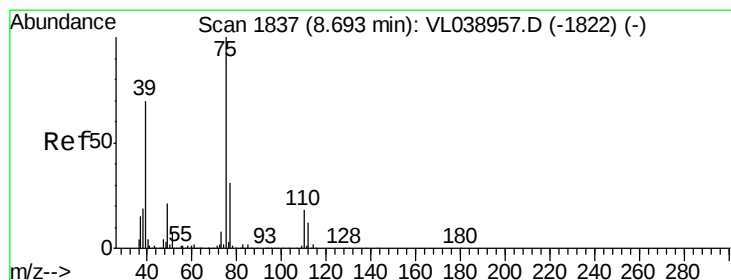
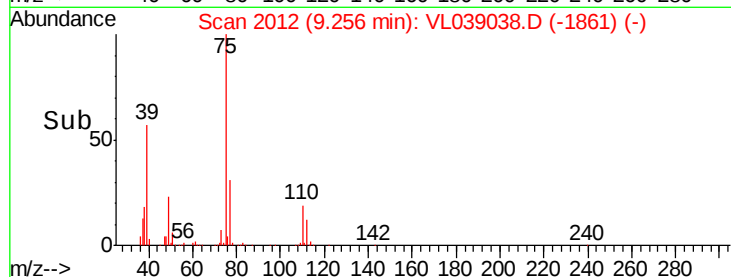
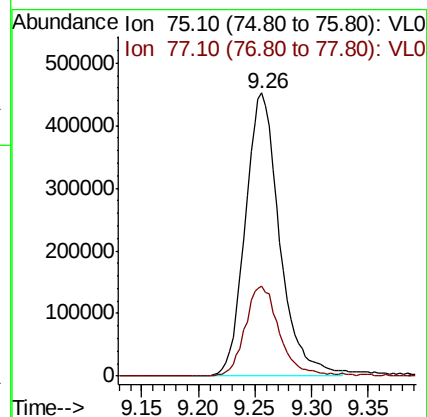
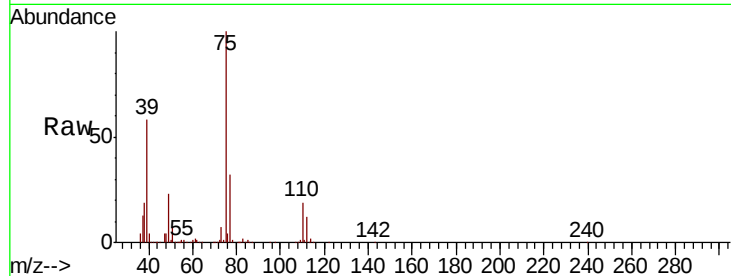
Acq: 13 May 2022 14:59

Tot Ion: 75 Resp: 953409

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 11.482 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.01 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

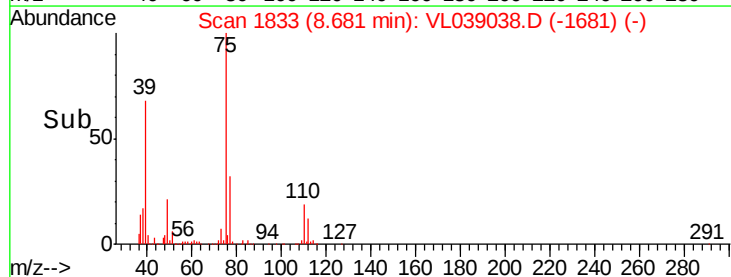
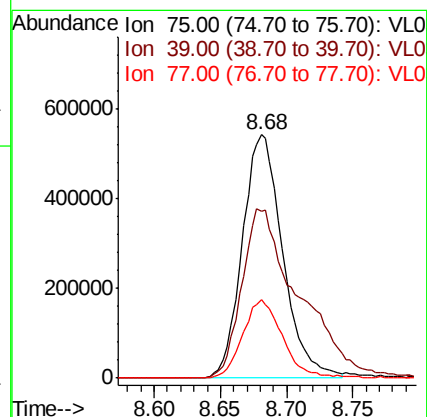
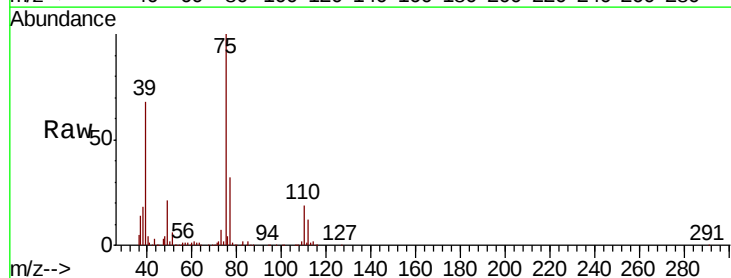
Tgt Ion: 75 Resp: 1151357

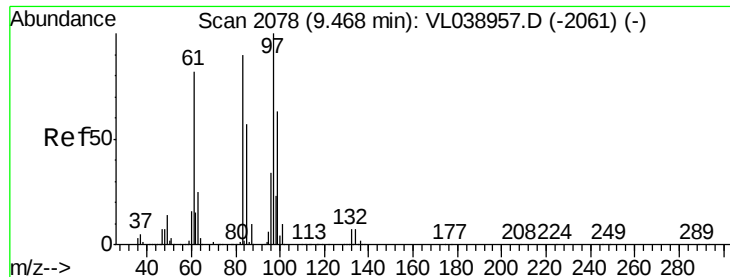
Ion Ratio Lower Upper

75 100

39 68.2 55.8 83.6

77 32.1 24.8 37.2





#47

1,1,2-Trichloroethane

Concen: 10.375 ppbv

RT: 9.45 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 14:59 VL0513ABS01

Tot Ion: 97 Resp: 807907

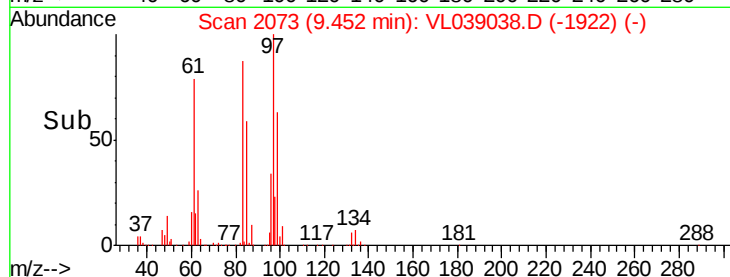
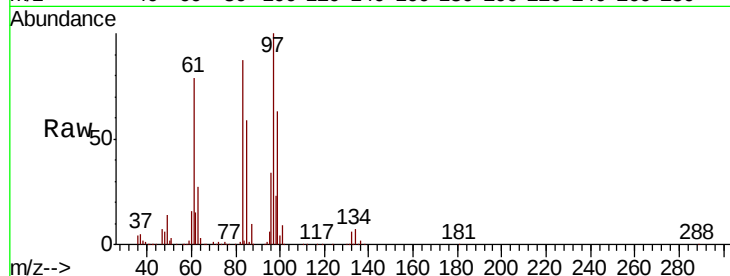
Ion Ratio Lower Upper

97 100

83 87.3 72.0 108.0

85 59.5 45.7 68.5

99 63.2 50.2 75.4

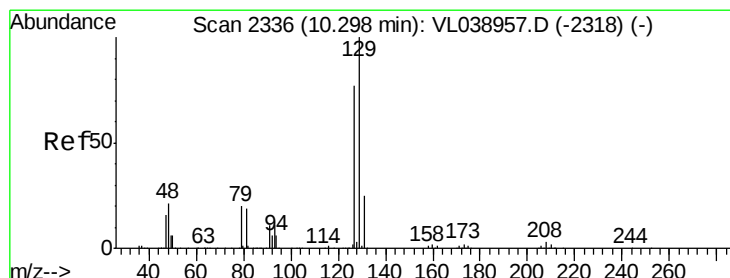
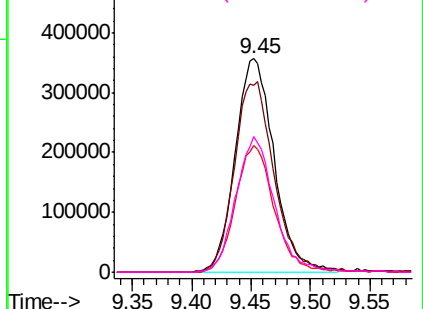


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 11.176 ppbv

RT: 10.28 min Scan# 2331

Delta R.T. -0.02 min

Lab File: VL039038.D

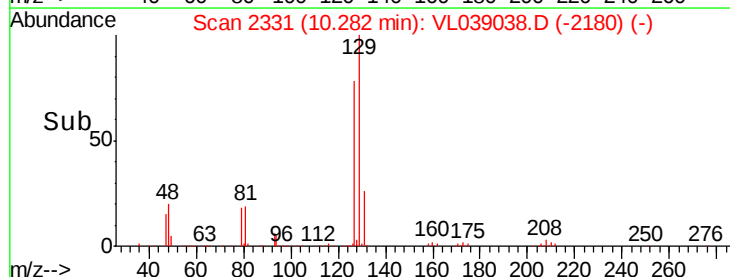
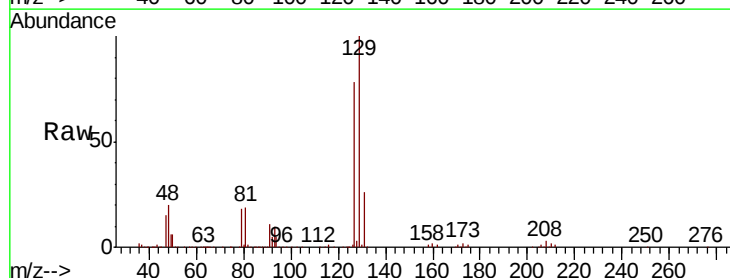
Acq: 13 May 2022 14:59

Tgt Ion: 129 Resp: 1416473

Ion Ratio Lower Upper

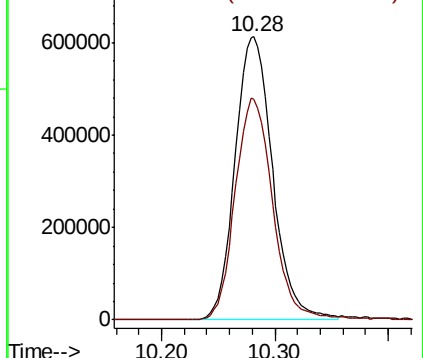
129 100

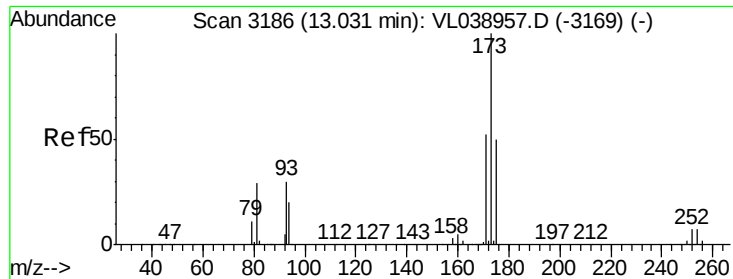
127 78.9 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.509 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 May 2022 14:59

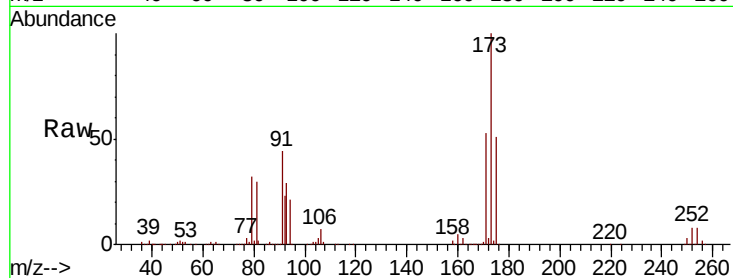
Tot Ion:173 Resp: 1112451

Ion Ratio Lower Upper

173 100

175 50.4 41.0 61.6

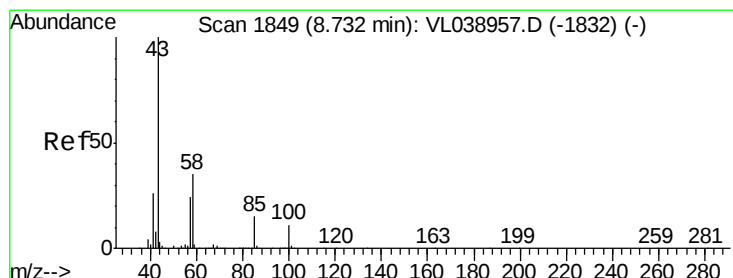
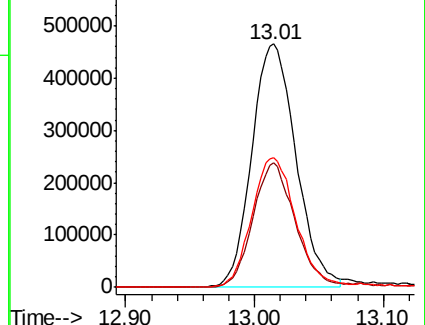
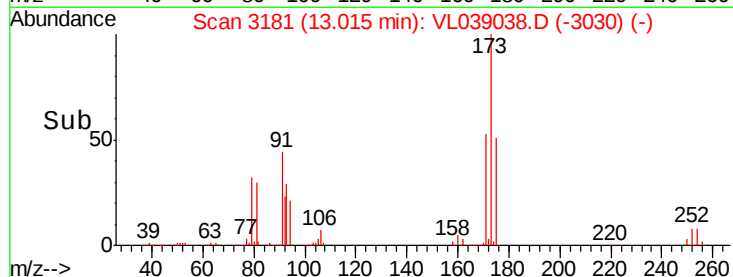
171 55.6 42.6 64.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.355 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. -0.02 min

Lab File: VL039038.D

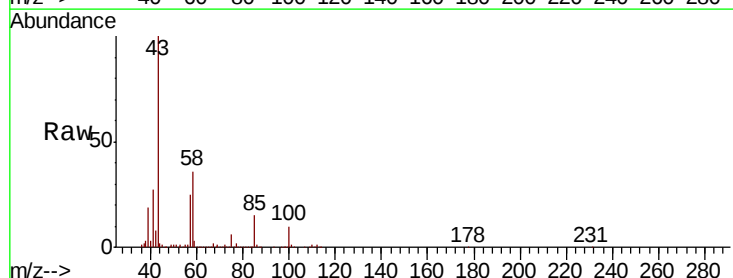
Acq: 13 May 2022 14:59

Tgt Ion: 43 Resp: 2082817

Ion Ratio Lower Upper

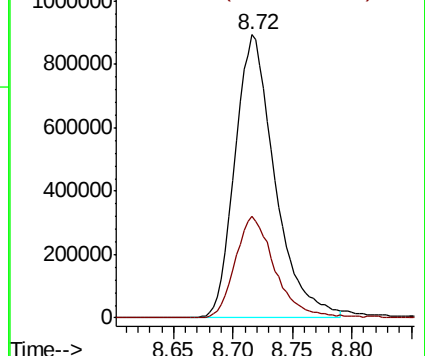
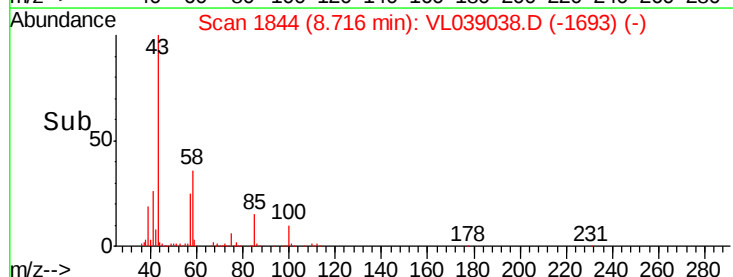
43 100

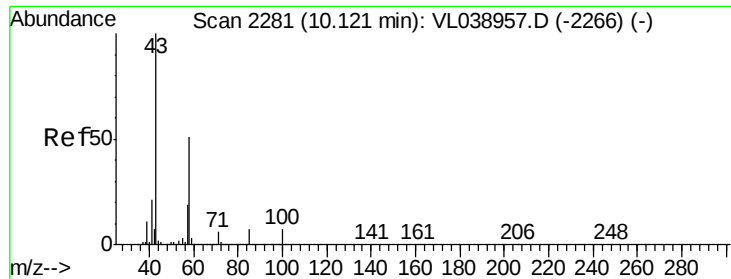
58 36.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

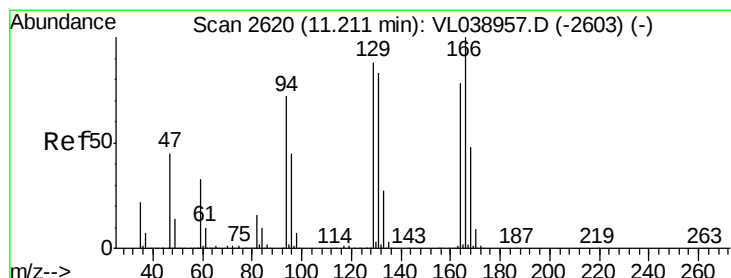
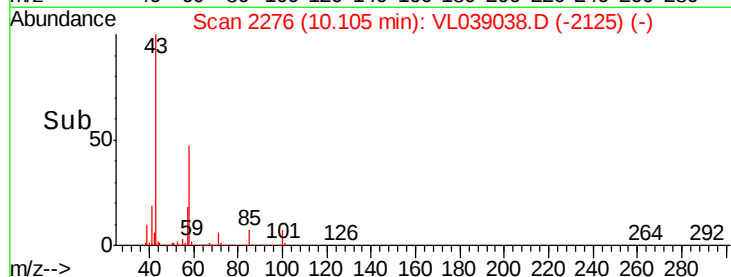
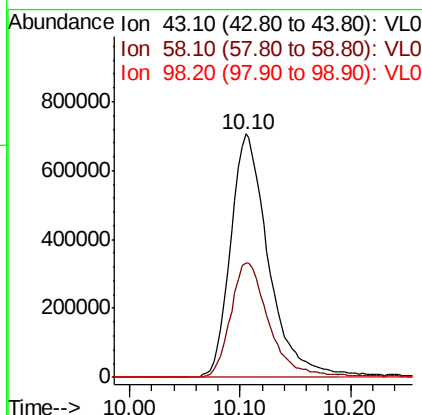
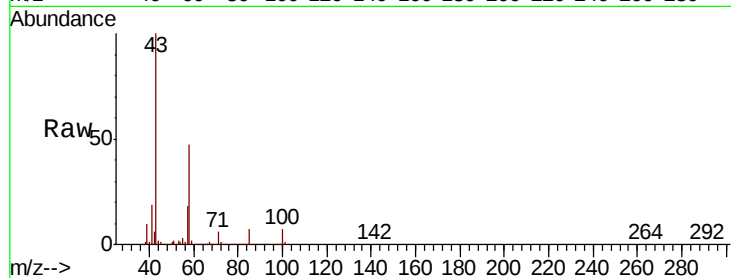
Ion 58.10 (57.80 to 58.80): VL0





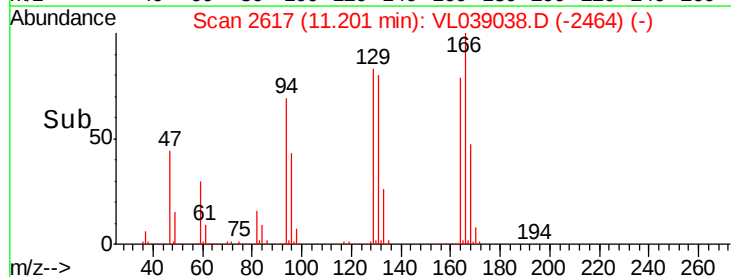
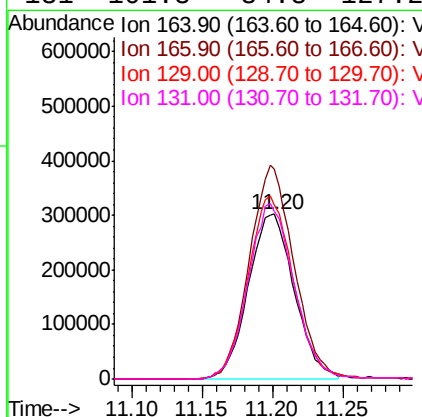
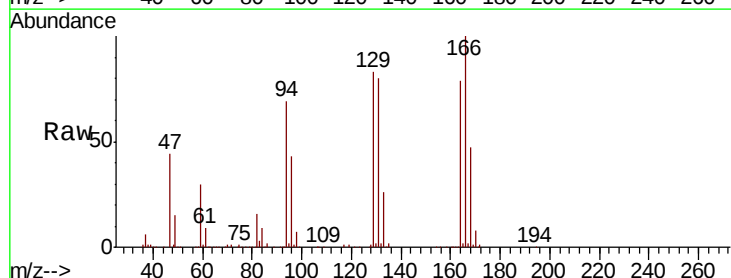
#51
2-Hexanone
Concen: 11.384 ppbv
RT: 10.10 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0513ABS01
Acq: 13 May 2022 14:59

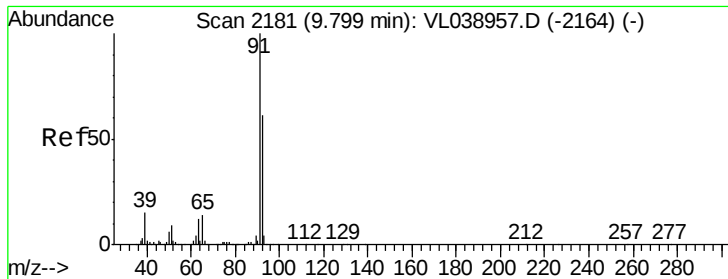
Tot Ion: 43 Resp: 1671320
Ion Ratio Lower Upper
43 100
58 48.8 39.3 58.9
98 0.2 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.982 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.01 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

Tgt Ion: 164 Resp: 686364
Ion Ratio Lower Upper
164 100
166 127.3 102.5 153.7
129 105.4 90.1 135.1
131 101.8 84.8 127.2





#53

Toluene

Concen: 10.515 ppbv

RT: 9.78 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

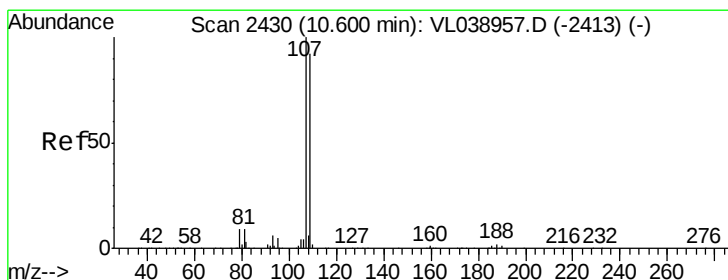
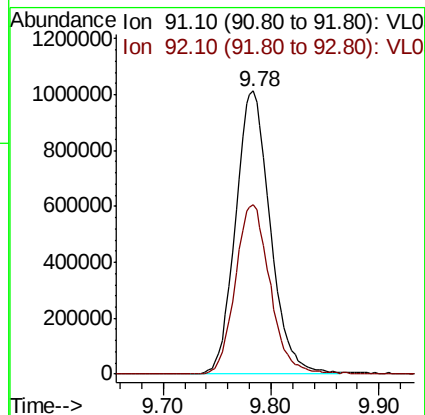
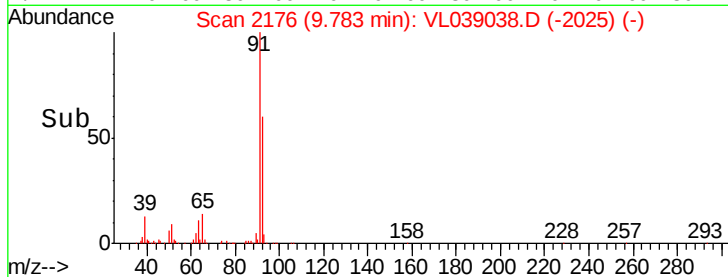
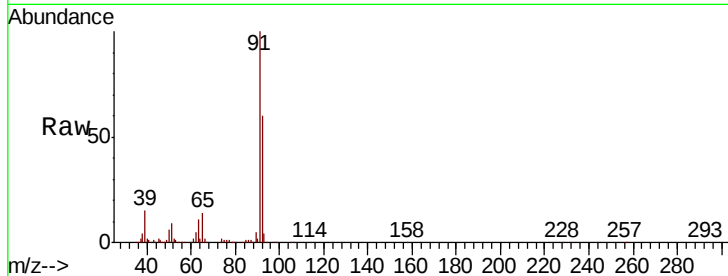
Acq: 13 May 2022 14:59 VL0513ABS01

Tot Ion: 91 Resp: 2267843

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.913 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.01 min

Lab File: VL039038.D

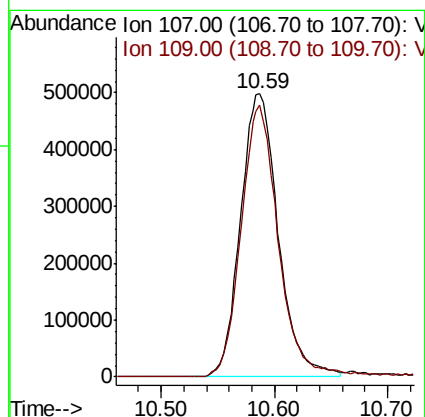
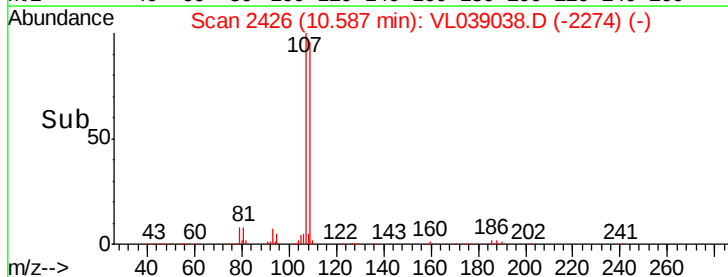
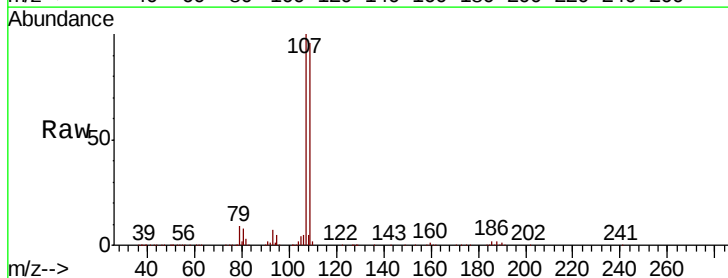
Acq: 13 May 2022 14:59

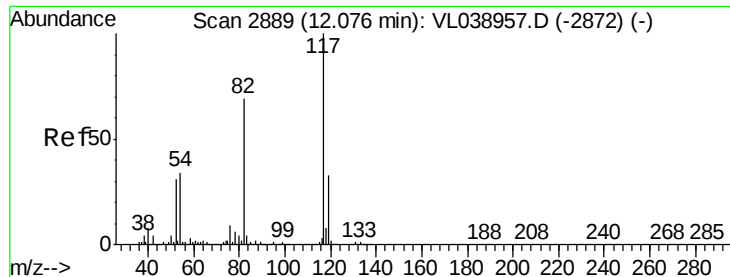
Tgt Ion: 107 Resp: 1156843

Ion Ratio Lower Upper

107 100

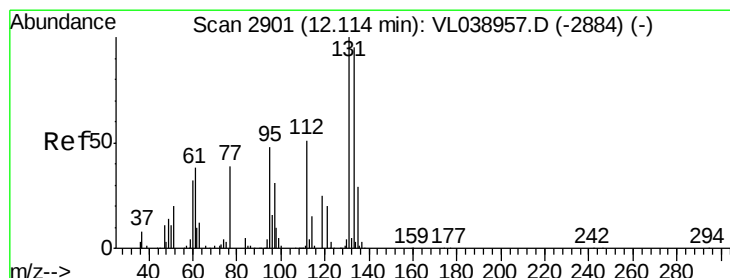
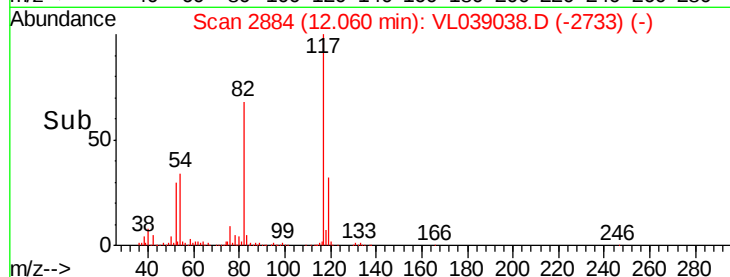
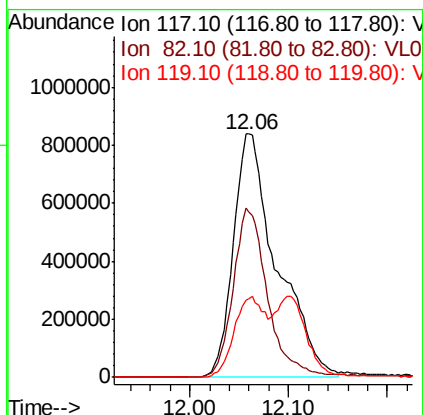
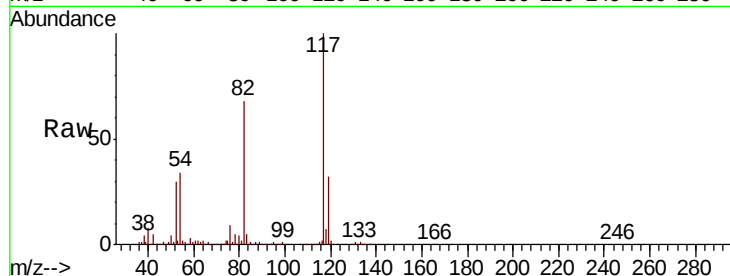
109 95.9 73.8 110.8





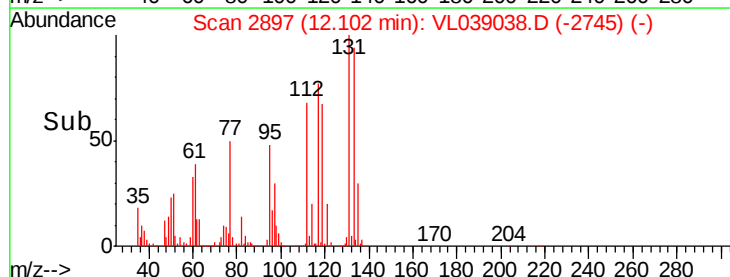
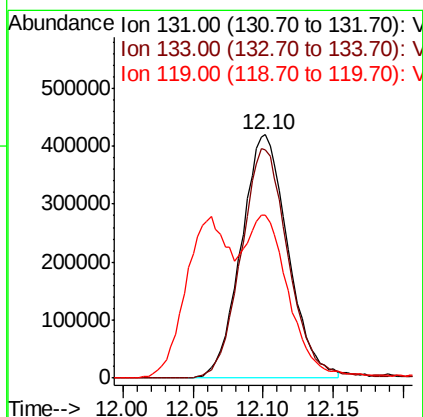
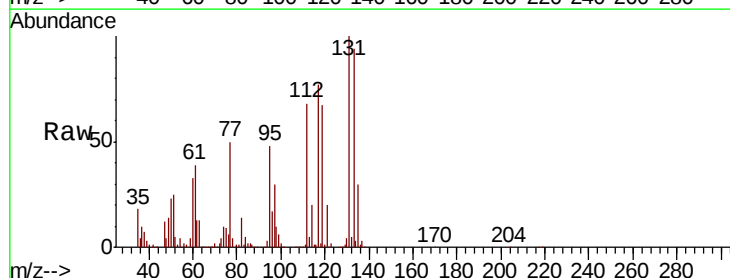
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0513ABS01
Acq: 13 May 2022 14:59

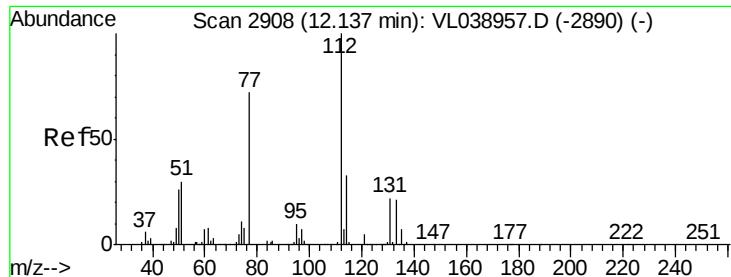
Tot Ion:117 Resp: 2577218
Ion Ratio Lower Upper
117 100
82 55.9 57.0 85.6#
119 23.1 27.2 40.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.600 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

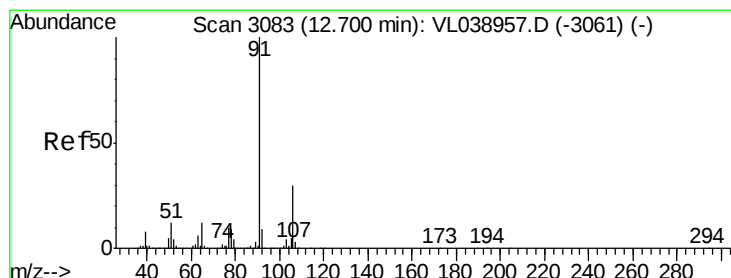
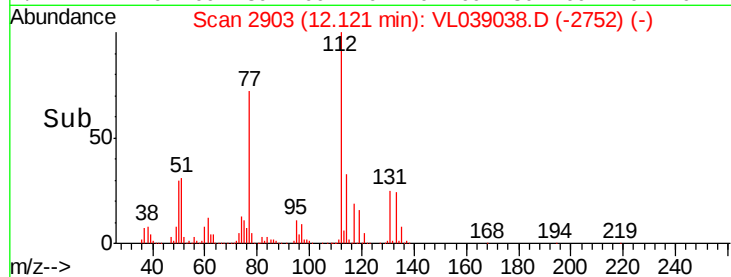
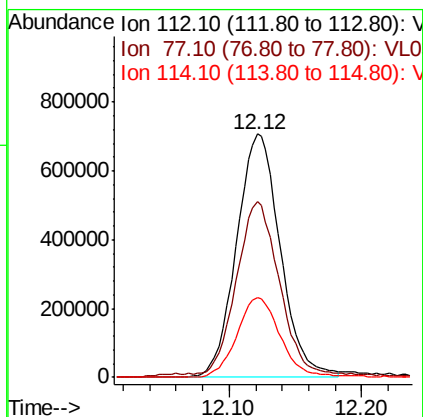
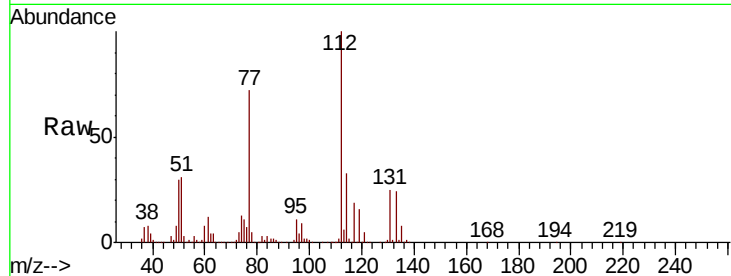
Tgt Ion:131 Resp: 972457
Ion Ratio Lower Upper
131 100
133 97.3 76.9 115.3
119 60.3 47.4 71.0





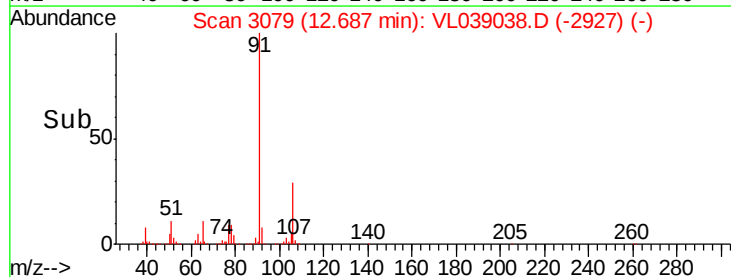
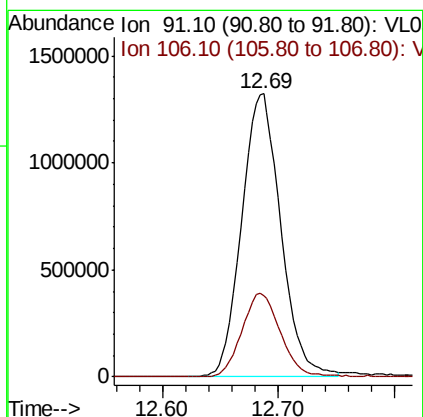
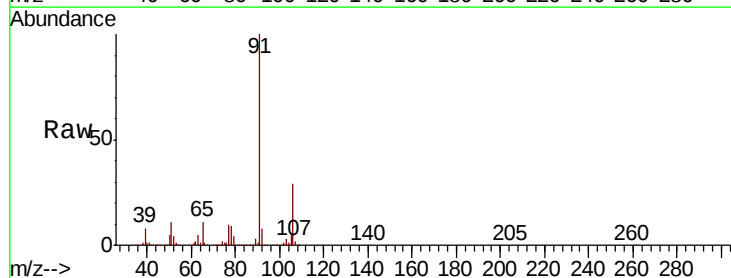
#57
Chlorobenzene
Concen: 8.354 ppbv
RT: 12.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0513ABS01
Acq: 13 May 2022 14:59

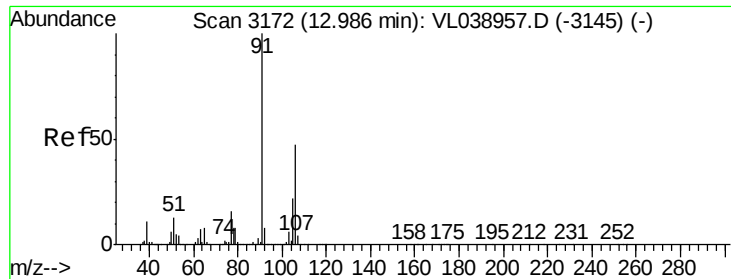
Tot Ion:112 Resp: 1613886
Ion Ratio Lower Upper
112 100
77 70.8 57.7 86.5
114 32.4 30.1 36.7



#58
Ethyl Benzene
Concen: 8.356 ppbv
RT: 12.69 min Scan# 3079
Delta R.T.: -0.01 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

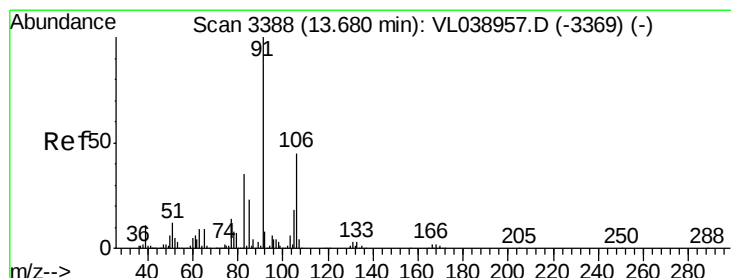
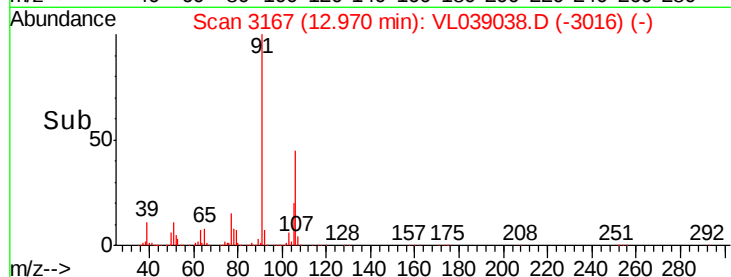
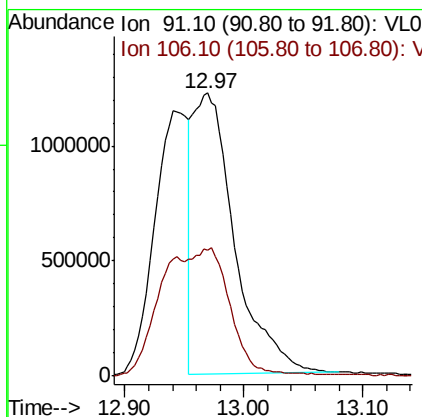
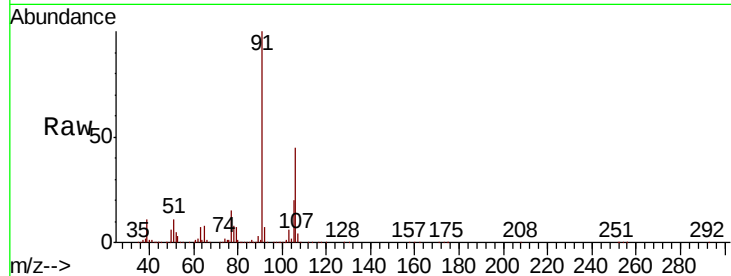
Tgt Ion: 91 Resp: 3099031
Ion Ratio Lower Upper
91 100
106 28.6 24.2 36.4





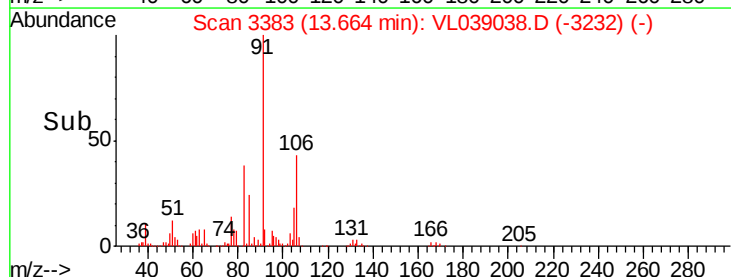
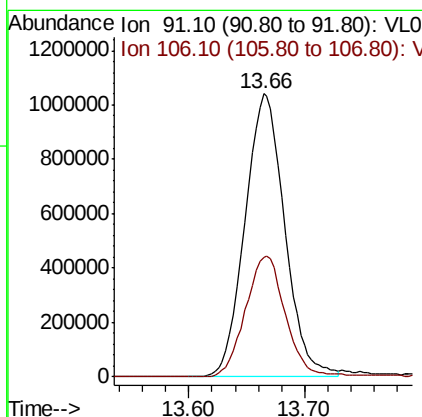
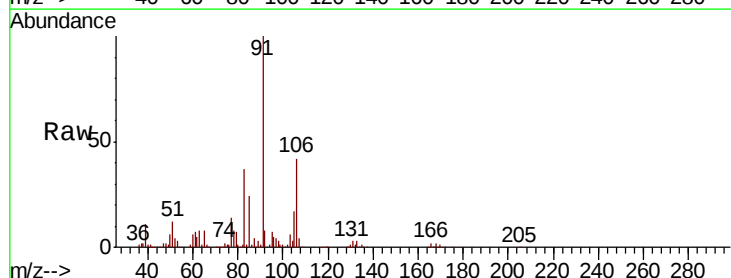
#59
m/p-Xylene
Concen: 9.348 ppbv
RT: 12.97 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0513ABS01
Acq: 13 May 2022 14:59

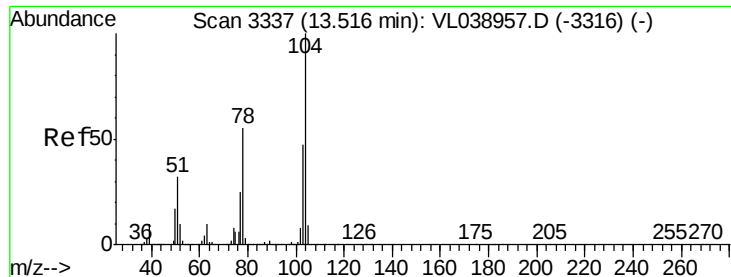
Tot Ion: 91 Resp: 2959988
Ion Ratio Lower Upper
91 100
106 76.3 34.6 52.0#



#60
o-Xylene
Concen: 8.316 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.02 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

Tgt Ion: 91 Resp: 2478139
Ion Ratio Lower Upper
91 100
106 44.1 22.2 66.6





#61

Stvrene

Concen: 8.942 ppbv

RT: 13.50

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 14:59

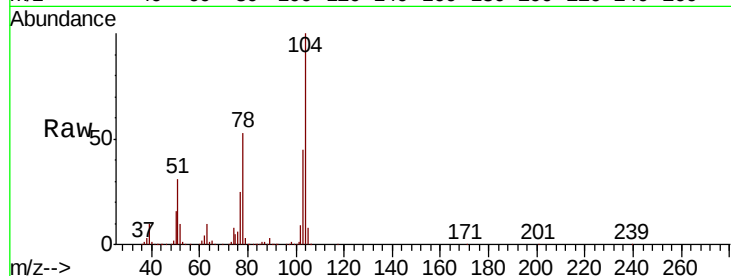
Tot Ion:104 Resp: 1422724

Ion Ratio Lower Upper

104 100

78 57.3 46.4 69.6

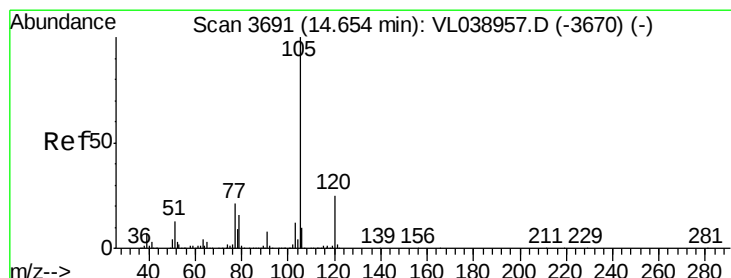
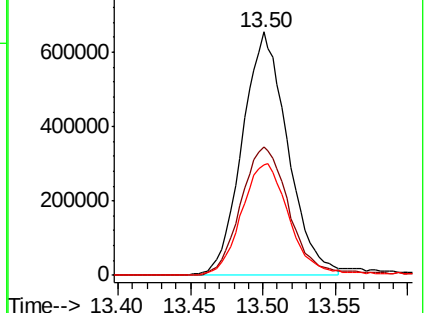
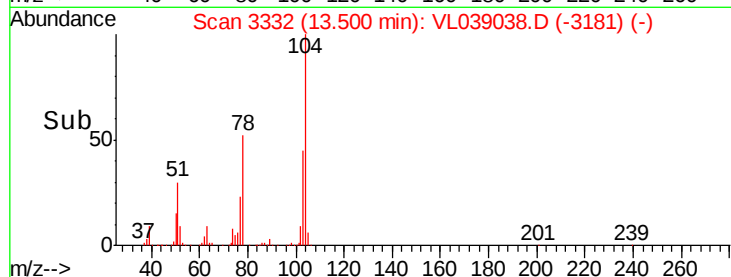
103 49.1 39.3 58.9



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: 8.282 ppbv

RT: 14.64 min Scan# 3686

Delta R.T. -0.02 min

Lab File: VL039038.D

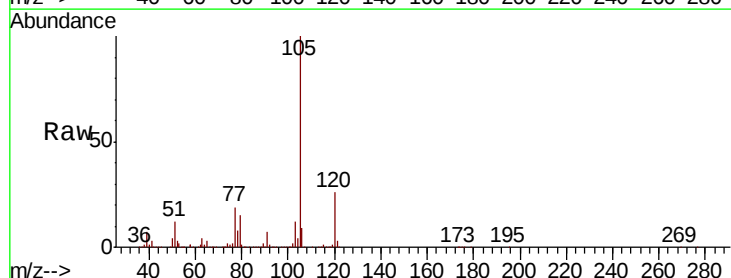
Acq: 13 May 2022 14:59

Tgt Ion:105 Resp: 3609235

Ion Ratio Lower Upper

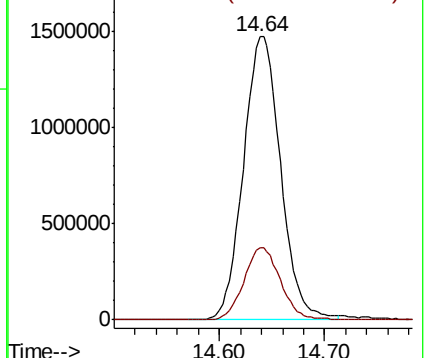
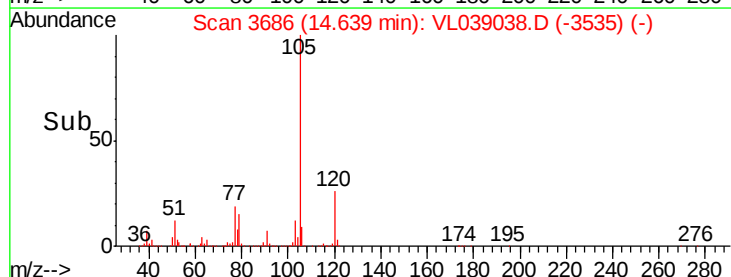
105 100

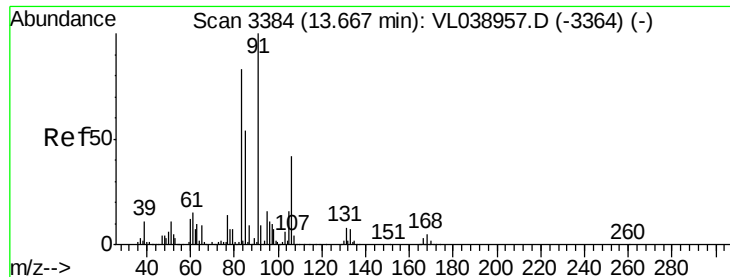
120 25.4 20.5 30.7



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: 8.128 ppbv

RT: 13.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 14:59

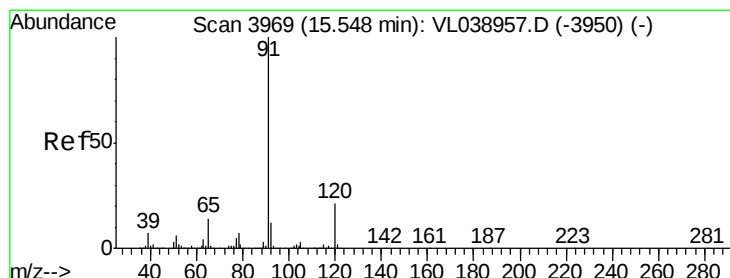
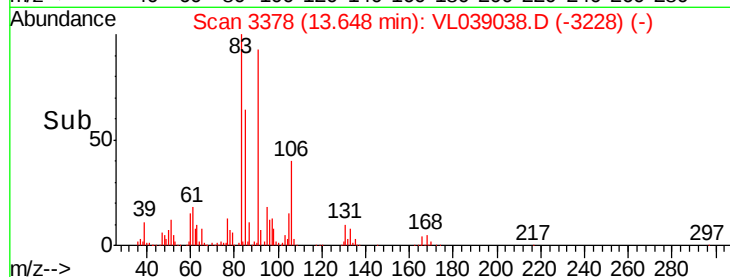
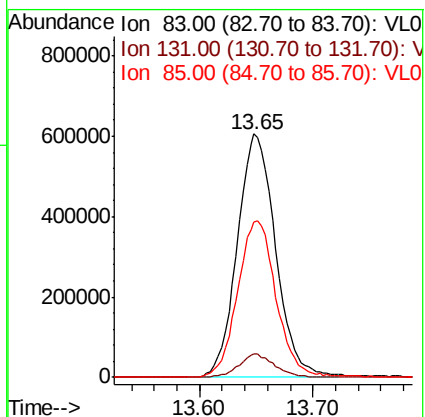
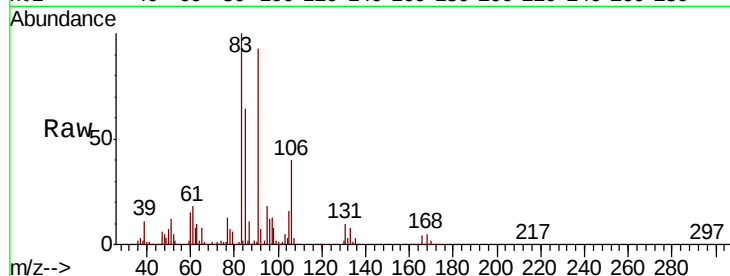
Tot Ion: 83 Resp: 1426280

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

85 65.3 32.8 98.3



#64

n-propylbenzene

Concen: 8.664 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. -0.02 min

Lab File: VL039038.D

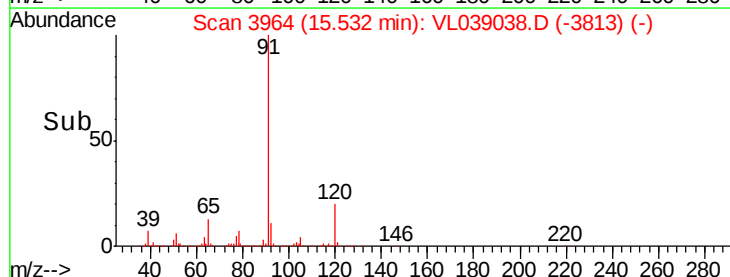
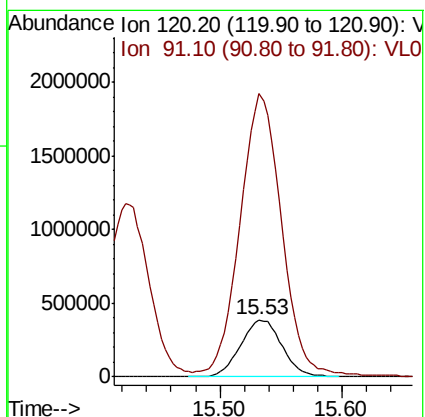
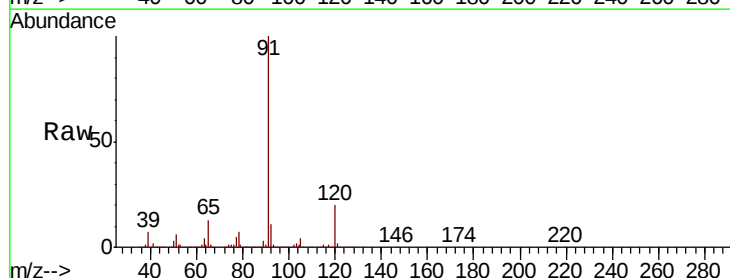
Acq: 13 May 2022 14:59

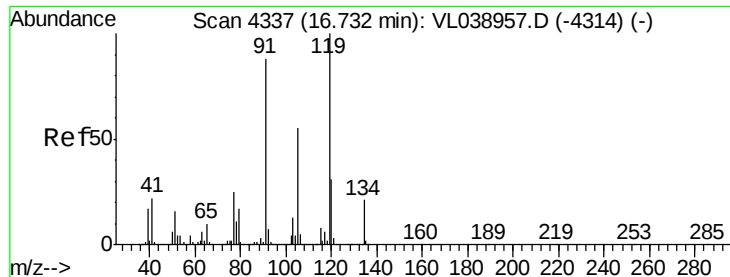
Tgt Ion: 120 Resp: 912866

Ion Ratio Lower Upper

120 100

91 498.8 400.6 601.0





#65

tert-Butylbenzene

Concen: 8.290 ppbv

RT: 16.72

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 14:59

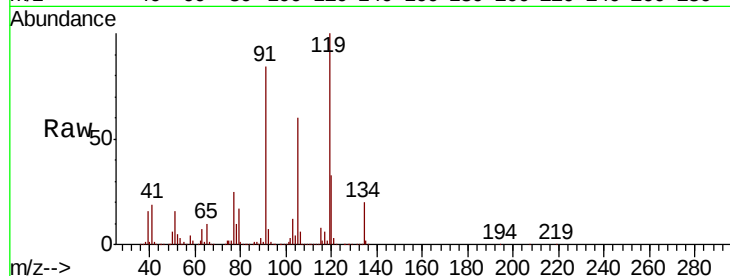
Tot Ion: 119 Resp: 3165408

Ion Ratio Lower Upper

119 100

91 85.6 69.4 104.2

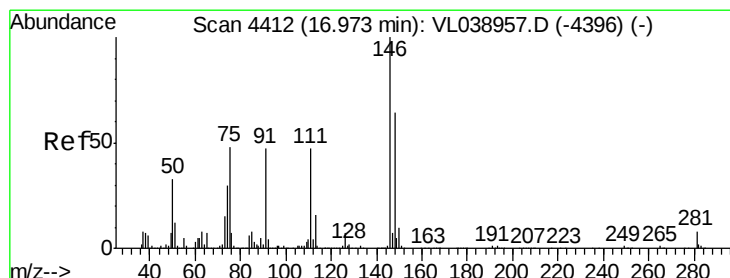
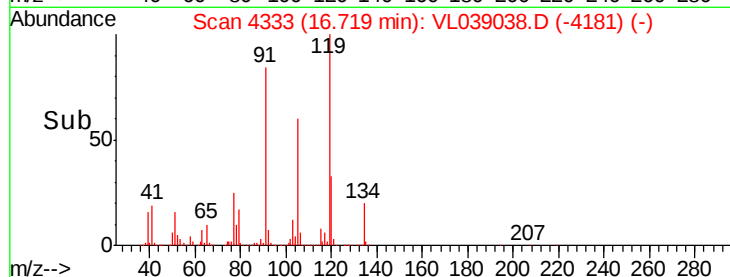
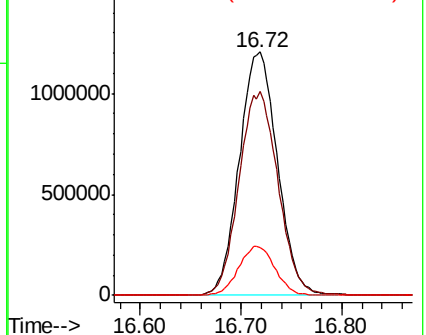
134 19.2 15.8 23.8



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: 11.021 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.01 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

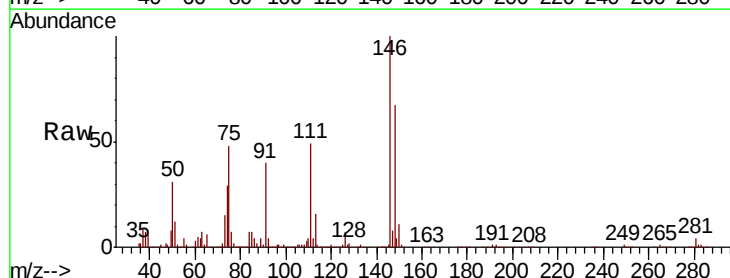
Tgt Ion: 91 Resp: 550076

Ion Ratio Lower Upper

91 100

126 15.7 11.8 17.6

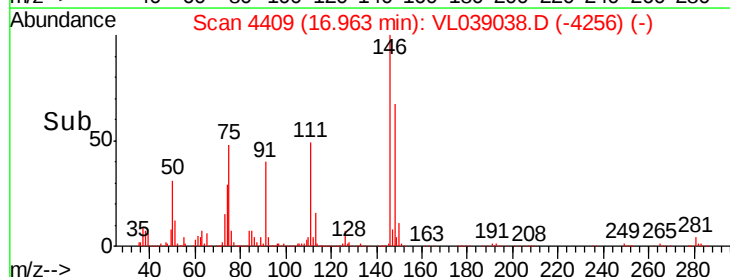
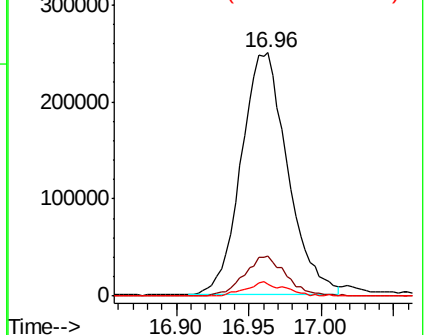
128 5.1 4.2 6.2

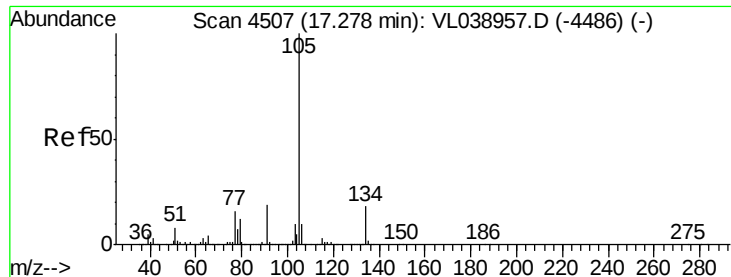


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.271 ppbv

RT: 17.27 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

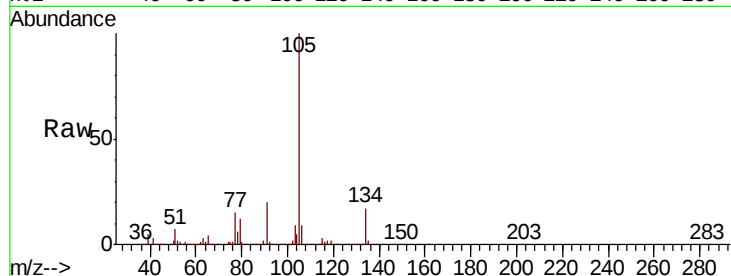
Acq: 13 May 2022 14:59

Tot Ion: 105 Resp: 4512067

Ion Ratio Lower Upper

105 100

134 17.3 14.2 21.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.27

2000000

1500000

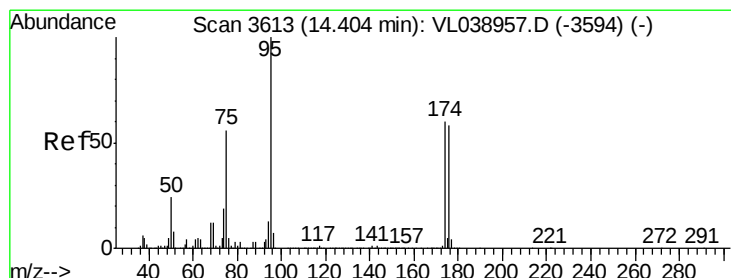
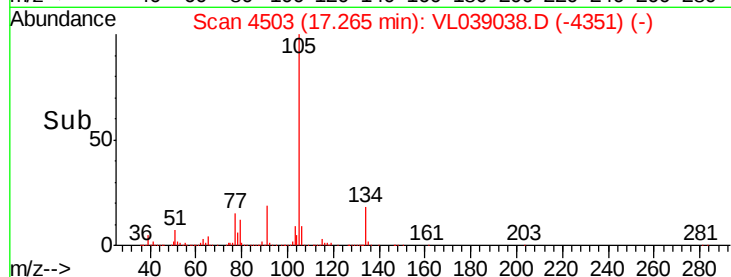
1000000

500000

0

Time-->

17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 7.906 ppbv

RT: 14.39 min Scan# 3608

Delta R.T. -0.02 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

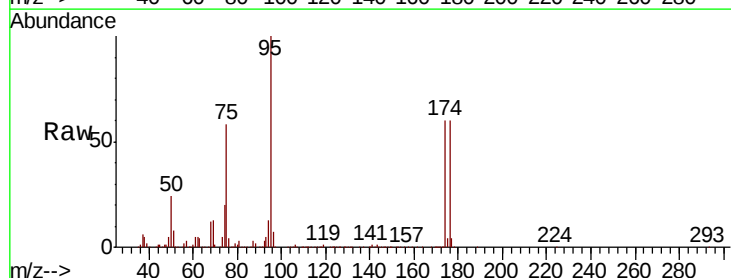
Tgt Ion: 95 Resp: 1613630

Ion Ratio Lower Upper

95 100

174 63.8 50.8 76.2

175 4.7 3.8 5.6



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

14.39

800000

600000

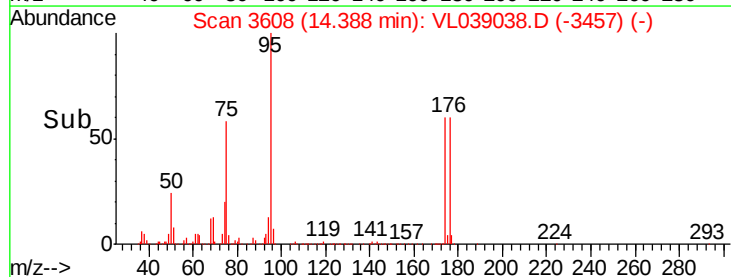
400000

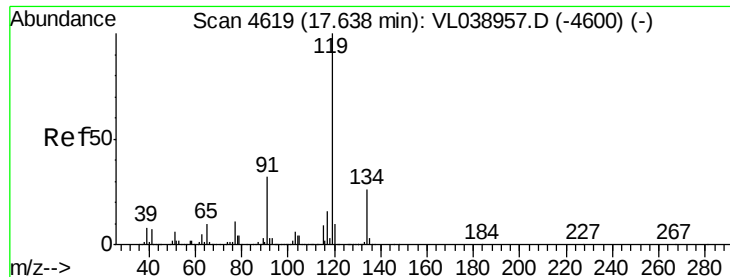
200000

0

Time-->

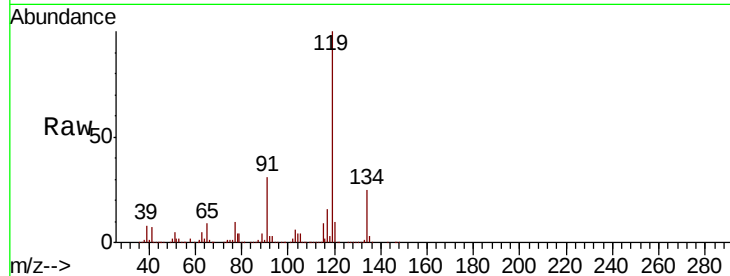
14.30 14.40



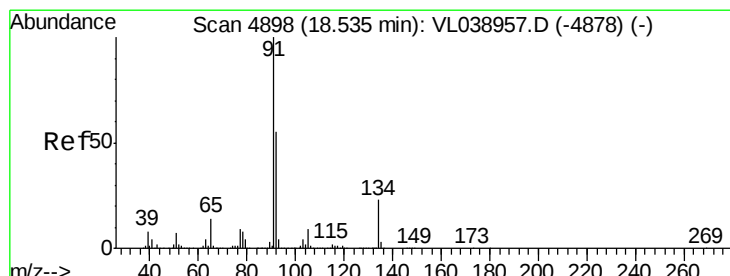
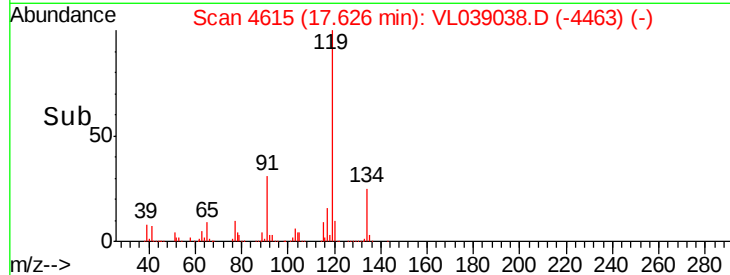
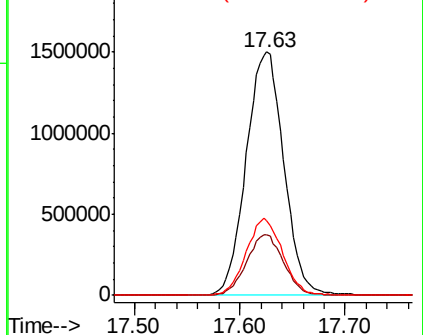


#69
 p-Isopropyltoluene
 Concen: 8.449 ppbv
 RT: 17.63 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0513ABS01
 Acq: 13 May 2022 14:59

Tot Ion:	119	Resp:	3723824
Ion	Ratio	Lower	Upper
119	100		
134	24.6	20.0	30.0
91	30.7	24.8	37.2

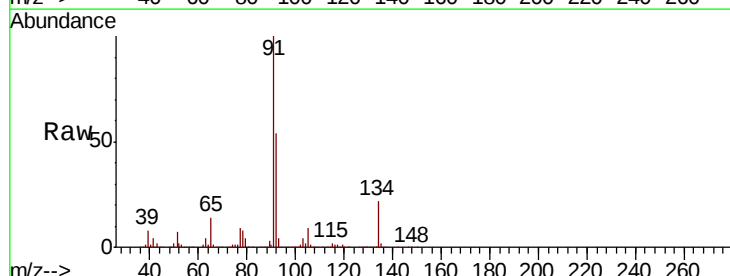


Abundance Ion 119.10 (118.80 to 119.80): VL0
 Ion 134.20 (133.90 to 134.90): VL0
 Ion 91.10 (90.80 to 91.80): VL0

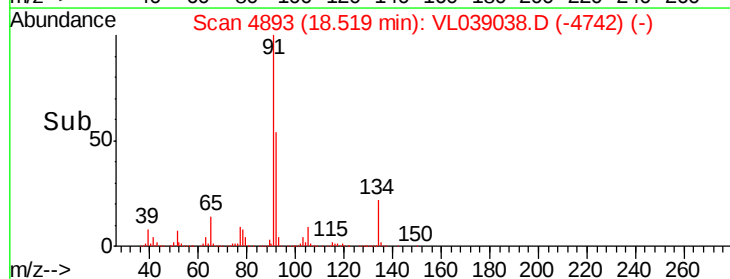
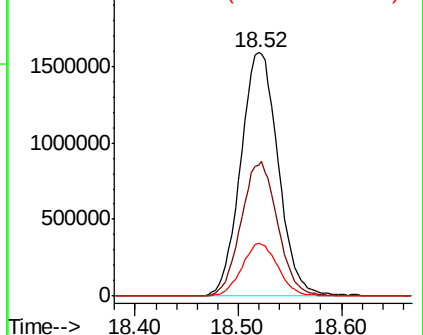


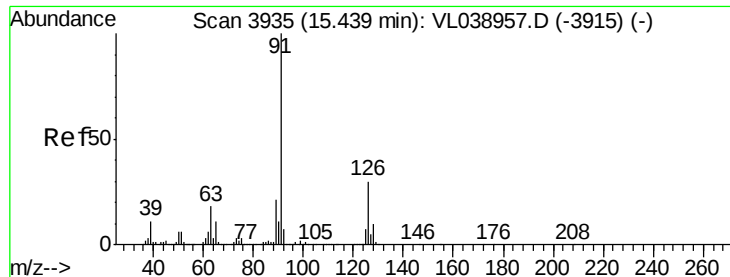
#70
 n-Butylbenzene
 Concen: 8.545 ppbv
 RT: 18.52 min Scan# 4893
 Delta R.T. -0.02 min
 Lab File: VL039038.D
 Acq: 13 May 2022 14:59

Tgt Ion:	91	Resp:	4000820
Ion	Ratio	Lower	Upper
91	100		
92	54.0	43.1	64.7
134	21.2	17.0	25.4



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





#71

2-Chlorotoluene

Concen: 8.333 ppbv

RT: 15.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

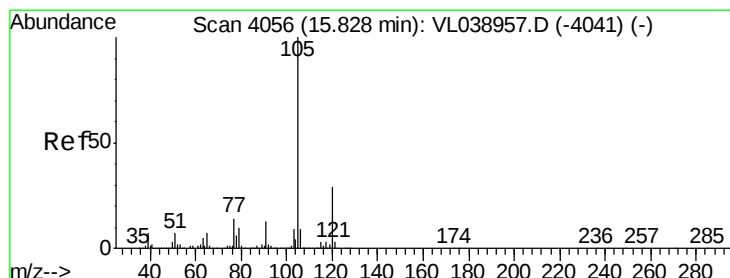
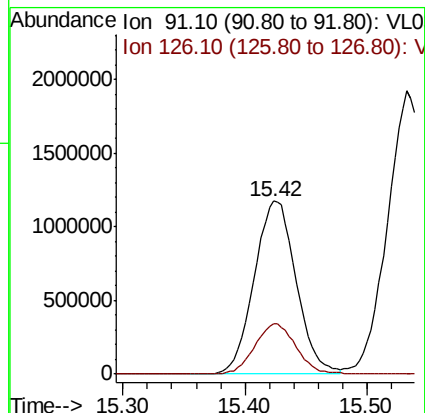
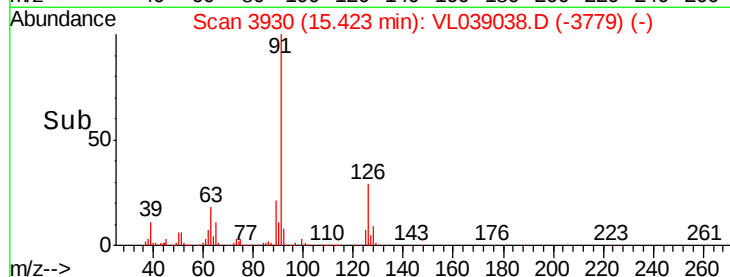
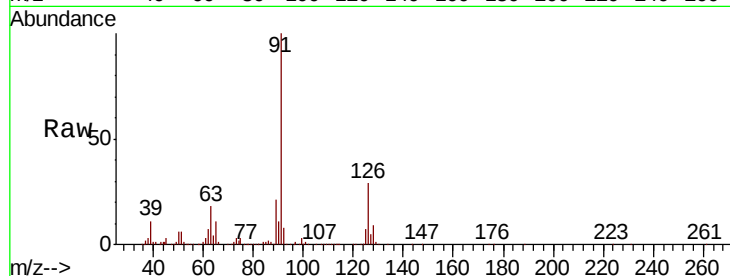
Acq: 13 May 2022 14:59

Tot Ion: 91 Resp: 2799468

Ion Ratio Lower Upper

91 100

126 29.3 11.9 47.5



#72

4-Ethyltoluene

Concen: 8.698 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.02 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

Tgt Ion:105 Resp: 2953605

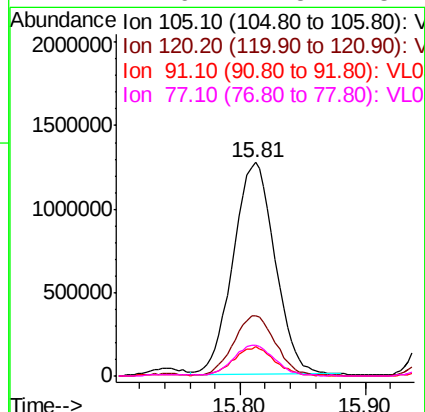
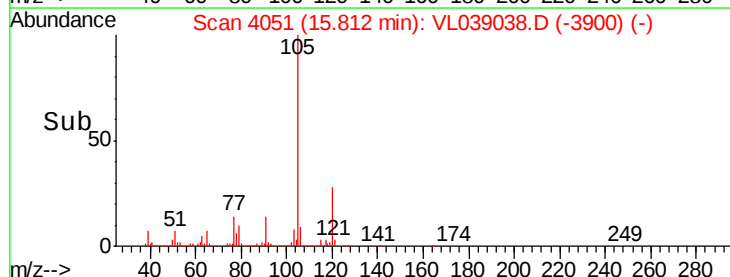
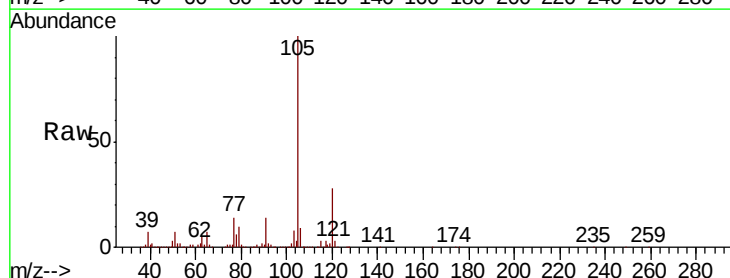
Ion Ratio Lower Upper

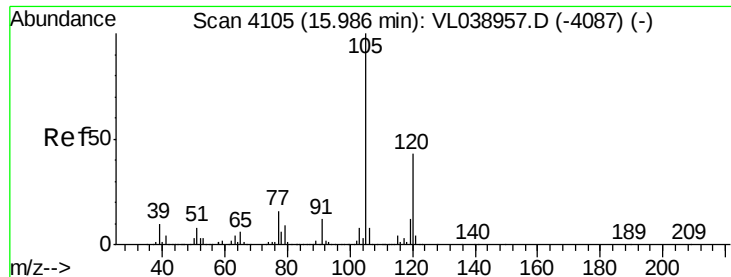
105 100

120 28.8 23.4 35.0

91 13.3 10.6 16.0

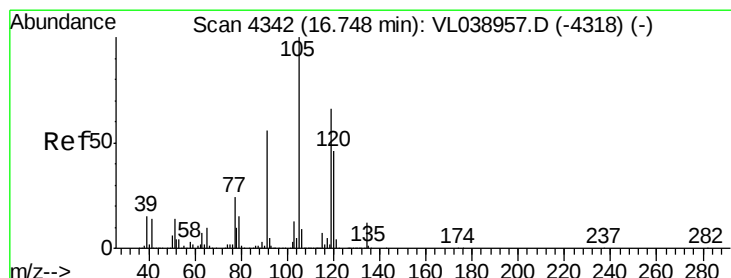
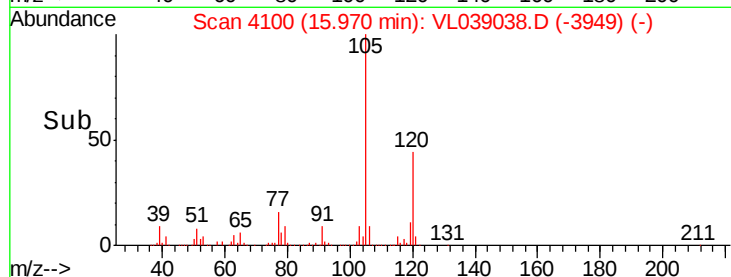
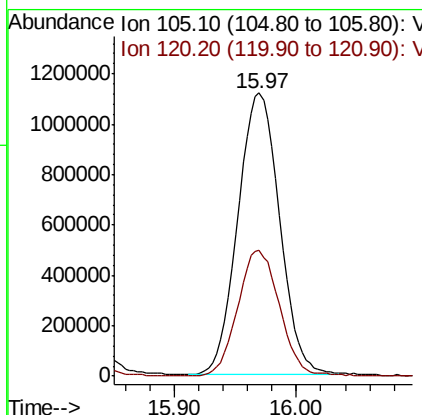
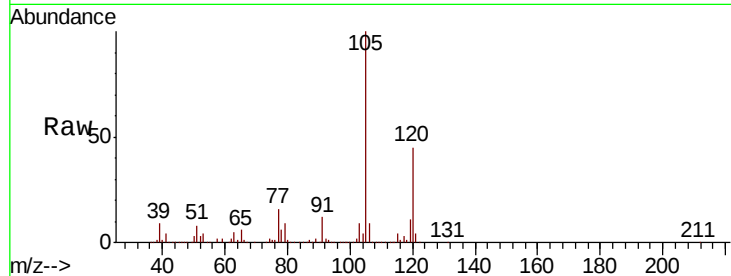
77 14.6 12.5 18.7





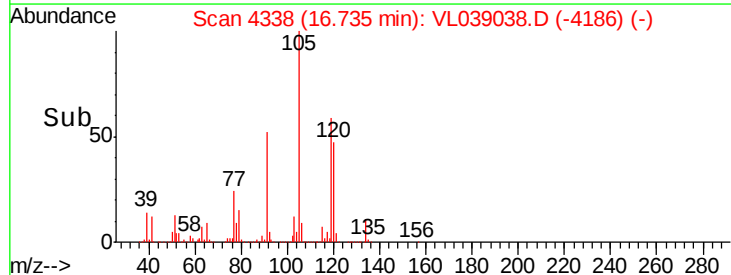
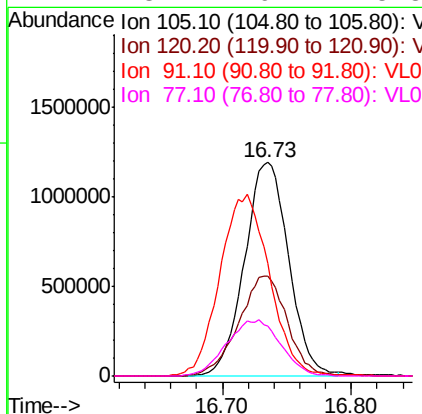
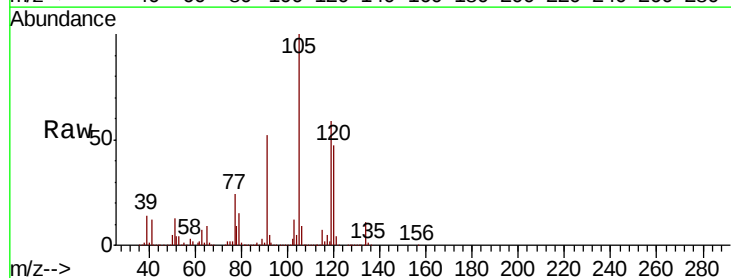
#73
 1,3,5-Trimethylbenzene
 Concen: 8.622 ppbv
 RT: 15.97 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0513ABS01
 Acq: 13 May 2022 14:59

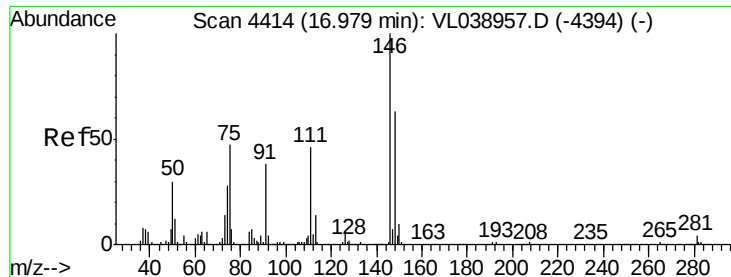
Tot Ion:105 Resp: 2635914
 Ion Ratio Lower Upper
 105 100
 120 44.7 34.4 51.6



#74
 1,2,4-Trimethylbenzene
 Concen: 8.477 ppbv
 RT: 16.73 min Scan# 4338
 Delta R.T. -0.01 min
 Lab File: VL039038.D
 Acq: 13 May 2022 14:59

Tgt Ion:105 Resp: 2837564
 Ion Ratio Lower Upper
 105 100
 120 46.5 36.9 55.3
 91 51.8 45.0 67.4
 77 23.4 19.2 28.8





#75

1,3-Dichlorobenzene

Concen: 8.599 ppbv

RT: 16.97

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 May 2022 14:59

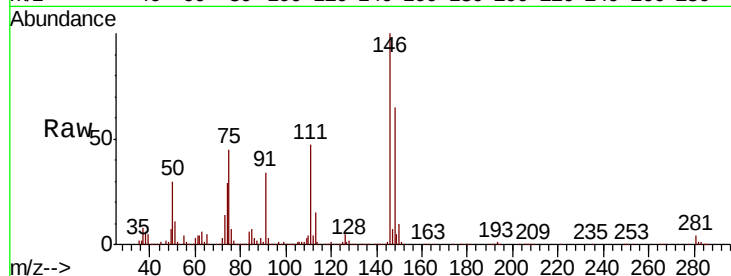
Tot Ion:146 Resp: 1577159

Ion Ratio Lower Upper

146 100

111 48.4 24.1 72.2

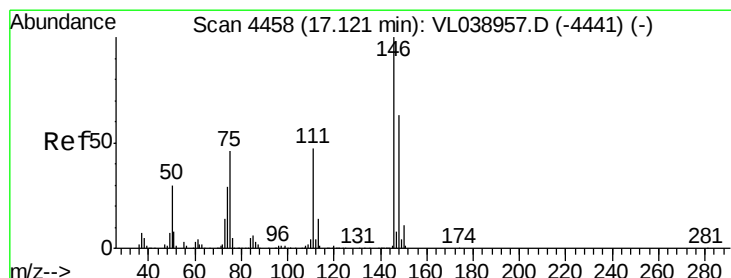
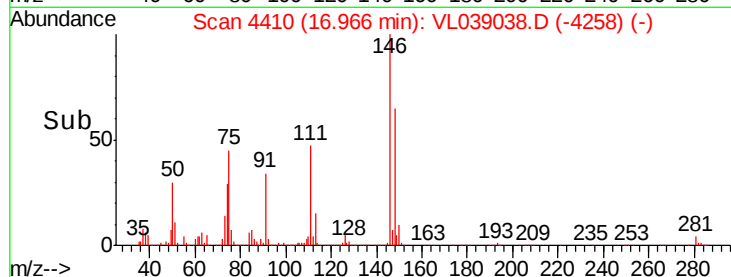
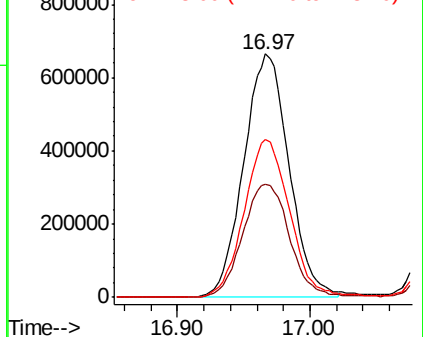
148 65.5 32.4 97.2



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



#76

1,4-Dichlorobenzene

Concen: 4.304 ppbv

RT: 17.10 min Scan# 4453

Delta R.T. -0.02 min

Lab File: VL039038.D

Acq: 13 May 2022 14:59

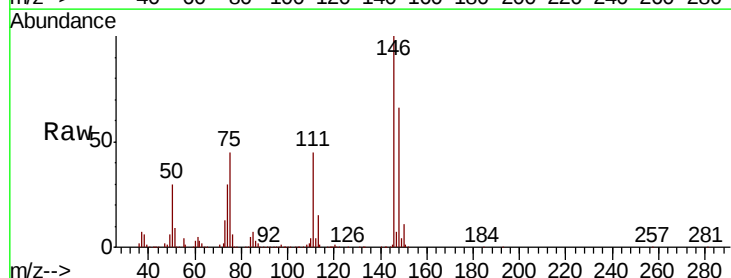
Tgt Ion:146 Resp: 776598

Ion Ratio Lower Upper

146 100

111 94.9 23.6 71.0#

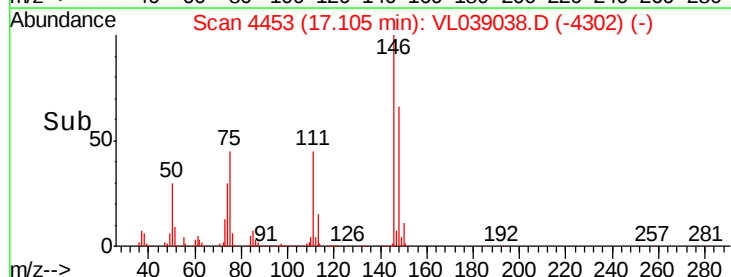
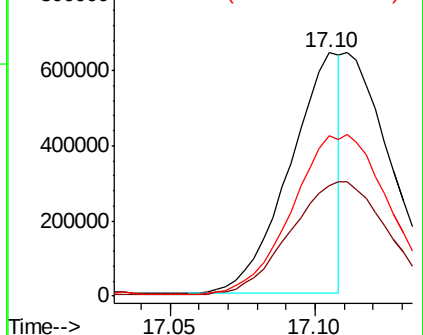
148 133.9 32.2 96.6#

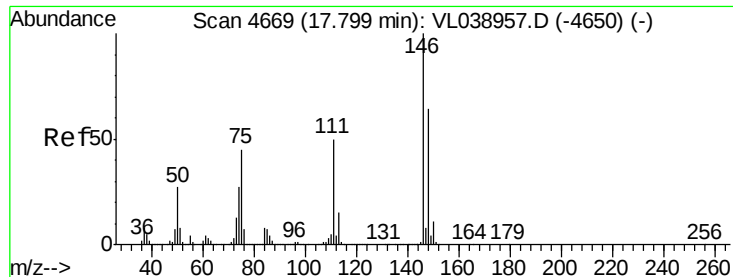


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

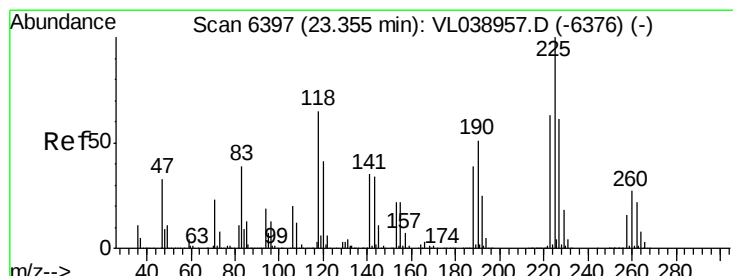
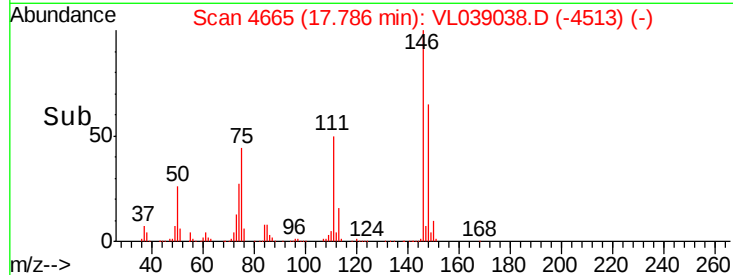
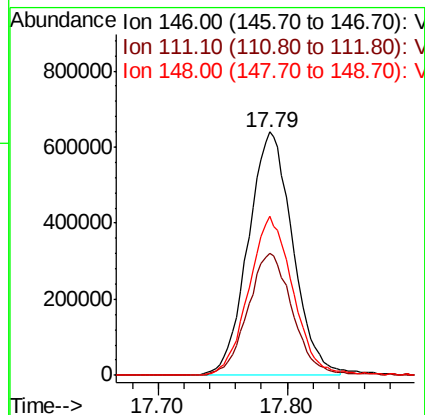
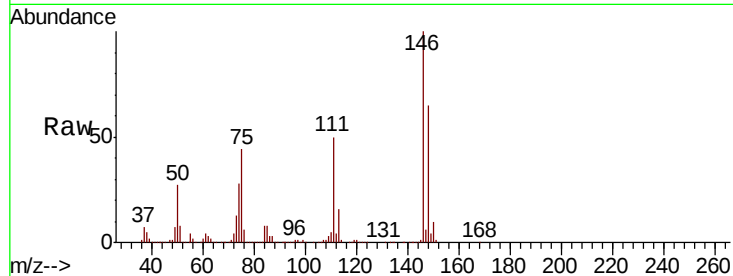




#77
 1,2-Dichlorobenzene
 Concen: 8.432 ppbv
 RT: 17.79 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0513ABS01
 Acq: 13 May 2022 14:59

Tot Ion:146 Resp: 1529521

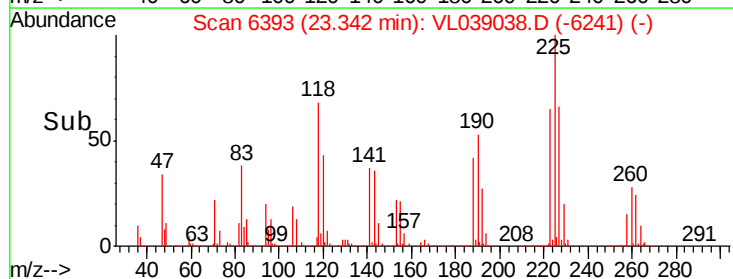
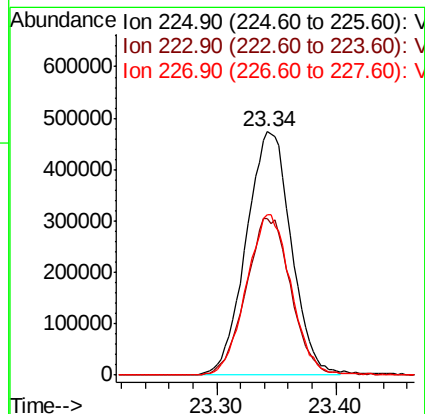
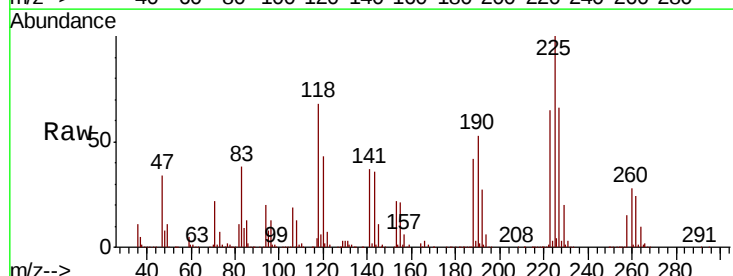
Ion	Ratio	Lower	Upper
146	100		
111	50.4	25.3	75.9
148	65.5	32.3	96.9

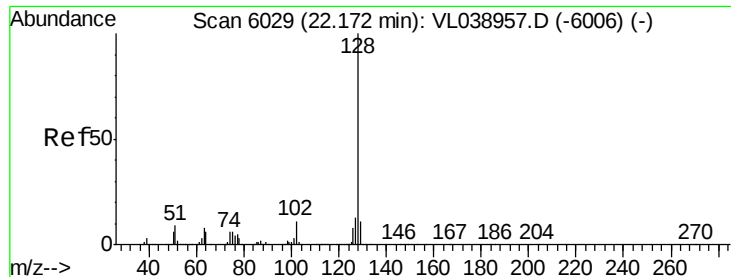


#78
 Hexachloro-1,3-Butadiene
 Concen: 7.431 ppbv
 RT: 23.34 min Scan# 6393
 Delta R.T.: -0.01 min
 Lab File: VL039038.D
 Acq: 13 May 2022 14:59

Tgt Ion:225 Resp: 1238813

Ion	Ratio	Lower	Upper
225	100		
223	65.1	51.4	77.0
227	65.6	51.4	77.0

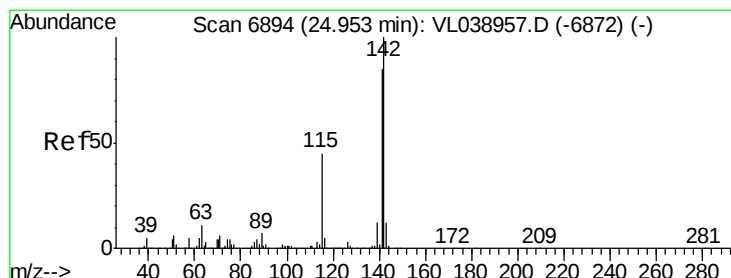
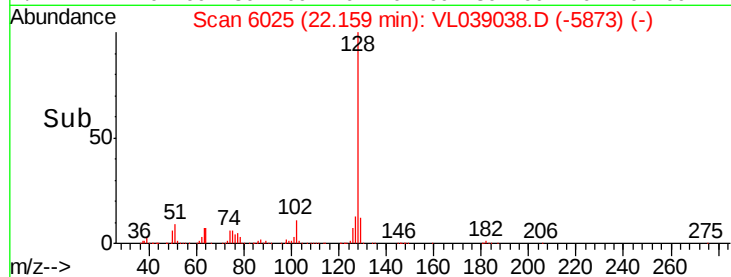
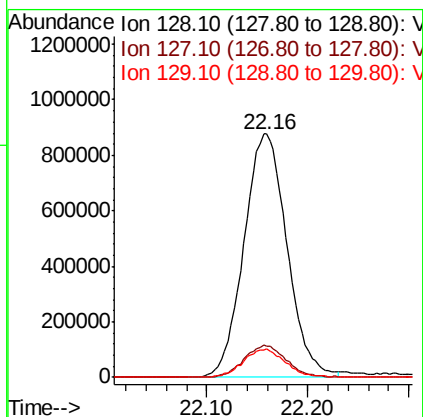
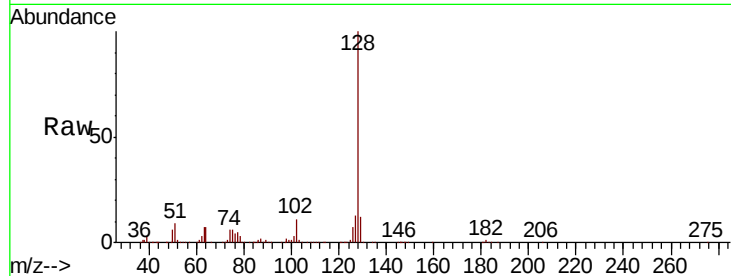




#79
Naphthalene
Concen: 9.558 ppbv
RT: 22.16 min
Delta R.T. MSVOA_1
Lab File: ClientSampleId : VL0513ABS01
Acq: 13 May 2022 14:59

Tot Ion:128 Resp: 2598814

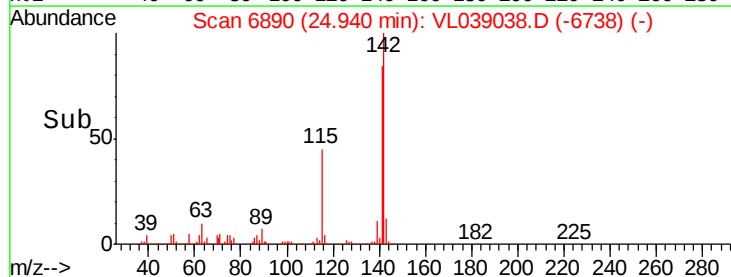
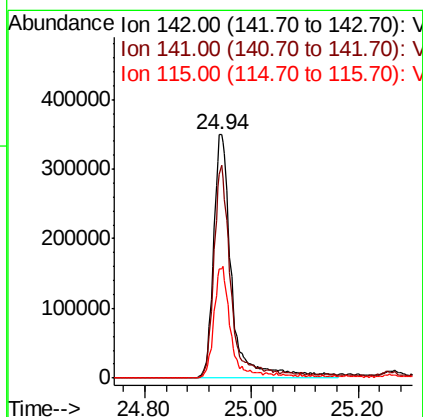
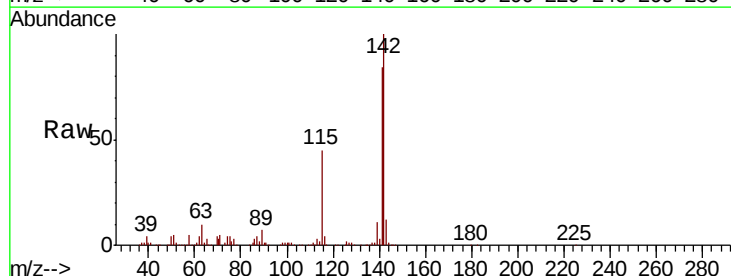
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.7	8.9	13.3

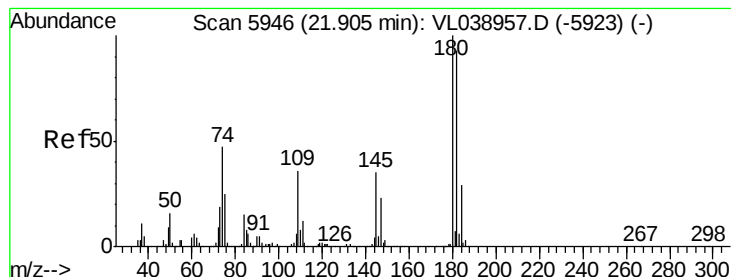


#80
Naphthalene, 2-methyl-
Concen: 10.185 ppbv
RT: 24.94 min Scan# 6890
Delta R.T. -0.01 min
Lab File: VL039038.D
Acq: 13 May 2022 14:59

Tgt Ion:142 Resp: 837754

Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.8	106.2
115	40.8	35.1	52.7





#81

1,2,4-Trichlorobenzene

Concen: 8.656 ppbv

RT: 21.89

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

VL0513ABS01

Acq: 13 May 2022 14:59

Tot Ion:180 Resp: 1379227

Ion Ratio Lower Upper

180 100

182 96.5 78.4 117.6

184 31.0 24.4 36.6

