

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060622\
 Data File : VL039202.D
 Acq On : 7 Jun 2022 3:18
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :

Quant Time: Jun 07 06:29:54 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1170135	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3440966	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	4200355	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2473583	7.12	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	71.20%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2248469	10.940	ppbv	100
3) Chlorodifluoromethane	2.99	51	1499751	10.073	ppbv	94
4) Chloromethane	3.14	50	739425	9.669	ppbv	98
5) Vinyl Chloride	3.26	62	740318	10.355	ppbv	98
6) Bromomethane	3.47	94	334505	9.511	ppbv	99
7) Chloroethane	3.56	64	250315	10.048	ppbv	100
8) Dichlorotetrafluoroethane	3.19	85	1811301	9.643	ppbv	93
9) Propene	3.01	41	748267	11.526	ppbv	99
10) Heptane	8.11	43	1839131	12.144	ppbv	99
11) Trichlorofluoromethane	3.95	101	1668113	8.966	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1209489	9.831	ppbv	99
13) Ethanol	3.60	45	10596	2.993	ppbv #	100
14) Bromoethene	3.74	108	557821	10.085	ppbv	99
15) Acetone	3.84	43	1281021	10.510	ppbv	97
16) 1,3-Butadiene	3.33	39	703717	10.740	ppbv	100
17) tert-Butyl alcohol	4.28	59	1176542	12.444	ppbv	98
18) 1,1-Dichloroethene	4.29	96	552147	10.004	ppbv	93
19) Isopropyl Alcohol	3.95	45	299868	5.245	ppbv #	92
20) Methylene Chloride	4.34	84	454818	8.854	ppbv	95
21) Allyl Chloride	4.41	41	821004	9.985	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	544854	10.260	ppbv	95
23) Vinyl Acetate	5.07	43	889024	8.815	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1136302	8.223	ppbv	100
25) Ethyl Acetate	5.67	43	3385148	12.322	ppbv	98
26) Hexane	5.68	57	1365136	11.307	ppbv	91
27) Carbon Disulfide	4.55	76	1297281	10.368	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1180732	8.859	ppbv	98
29) Chloroform	5.75	83	2070139	10.190	ppbv	99
30) Cyclohexane	7.13	84	1202528	11.857	ppbv	95
31) cis-1,2-Dichloroethene	5.55	61	1293911	10.511	ppbv	88
32) 1,1,1-Trichloroethane	6.51	97	2068706	10.406	ppbv	97
34) 2-Butanone	5.24	43	1817291	9.721	ppbv	96
35) Carbon Tetrachloride	7.01	117	2108752	8.396	ppbv	99
36) Benzene	6.89	78	2921738	10.459	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1420303	7.725	ppbv #	94
38) Trichloroethene	7.83	130	1231151	9.595	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1132835	10.195	ppbv	90
40) 1,4-Dioxane	7.82	88	405641	11.089	ppbv #	1
41) Tetrahydrofuran	6.04	42	1187848	10.565	ppbv	99
42) Bromodichloromethane	7.79	83	2304190	9.031	ppbv	98
43) Methyl Methacrylate	8.01	69	1239226	11.388	ppbv	94

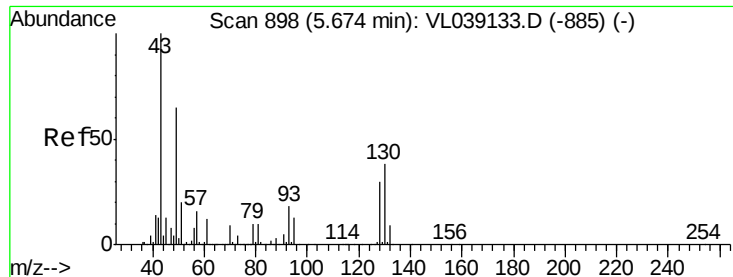
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4772477	9.766	ppbv	97
45) t-1,3-Dichloropropene	9.27	75	946302	8.350	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1339942	8.950	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	1237090	10.671	ppbv	99
48) Dibromochloromethane	10.29	129	2012537	9.723	ppbv	99
49) Bromoform	13.03	173	1701912	9.866	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2909077	10.396	ppbv	97
51) 2-Hexanone	10.12	43	2246007	10.315	ppbv #	98
52) Tetrachloroethene	11.21	164	1117977	10.250	ppbv	99
53) Toluene	9.80	91	3490479	10.851	ppbv	99
54) 1,2-Dibromoethane	10.60	107	1731868	11.118	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.12	131	1525769	7.677	ppbv	94
57) Chlorobenzene	12.14	112	2552780	8.077	ppbv	93
58) Ethyl Benzene	12.70	91	4682115	8.092	ppbv	98
59) m/p-Xylene	12.99	91	3917150	7.688	ppbv #	25
60) o-Xylene	13.68	91	3648163	7.620	ppbv	97
61) Styrene	13.52	104	2254281	8.793	ppbv	93
62) Isopropylbenzene	14.66	105	5714405	8.031	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2467799	9.183	ppbv	99
64) n-propylbenzene	15.55	120	1542652	8.819	ppbv	87
65) tert-Butylbenzene	16.73	119	5019694	7.714	ppbv	94
66) Benzyl Chloride	16.98	91	375260	4.435	ppbv	99
67) sec-Butylbenzene	17.28	105	7158742	8.063	ppbv	98
69) p-Isopropyltoluene	17.64	119	5992430	8.000	ppbv	97
70) n-Butylbenzene	18.54	91	6153596	8.004	ppbv	98
71) 2-Chlorotoluene	15.44	91	4316871	7.955	ppbv	97
72) 4-Ethyltoluene	15.83	105	4613905	8.223	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	4061050	8.024	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4284547	7.586	ppbv	93
75) 1,3-Dichlorobenzene	16.99	146	2617122	8.187	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2513025	7.879	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2572085	7.983	ppbv	98
78) Hexachloro-1,3-Butadiene	23.36	225	1991942	6.761	ppbv	99
79) Naphthalene	22.18	128	3889076	8.945	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	996389	6.168	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	2147665	7.797	ppbv #	100

(#) = 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:

Acq: 7 Jun 2022 3:18 ClientSampleId:

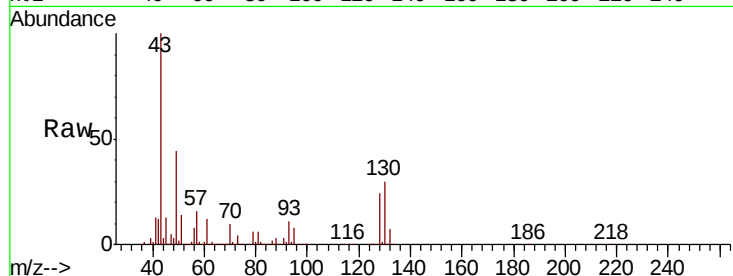
Tot Ion: 49 Resp: 1170135

Ion Ratio Lower Upper

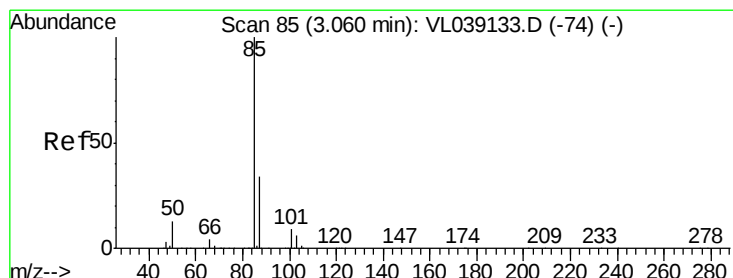
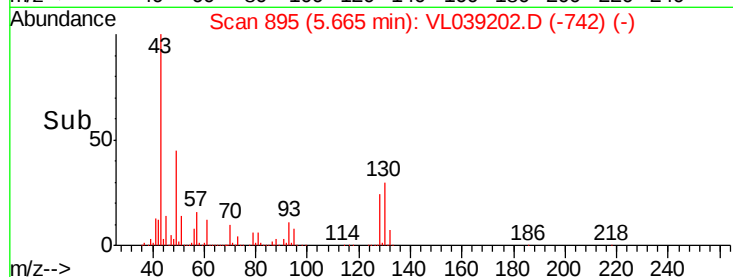
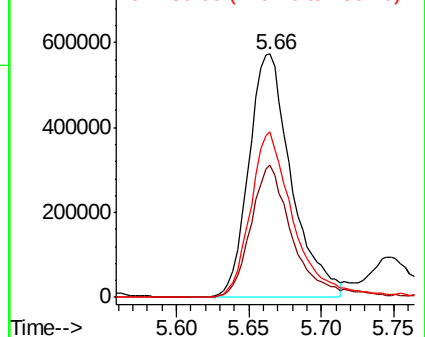
49 100

128 54.9 24.7 74.1

130 70.8 31.4 94.0



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: 10.940 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.01 min

Lab File: VL039202.D

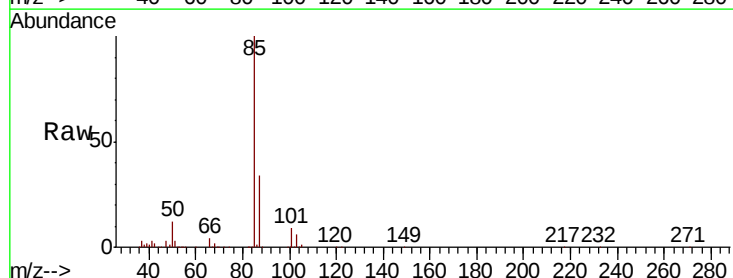
Acq: 7 Jun 2022 3:18

Tgt Ion: 85 Resp: 2248469

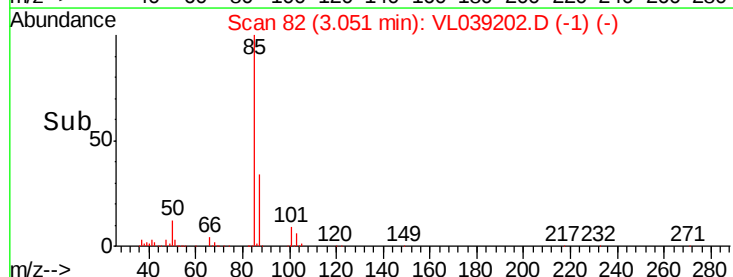
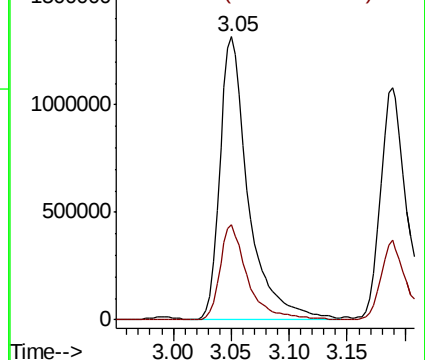
Ion Ratio Lower Upper

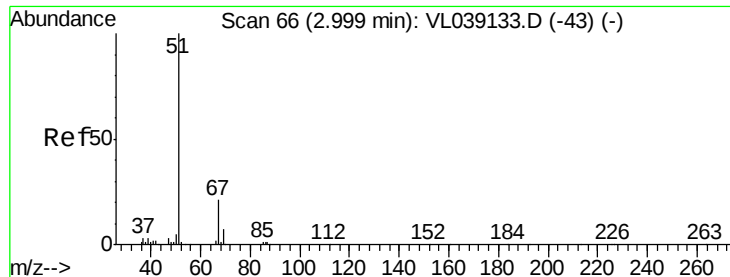
85 100

87 33.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.073 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

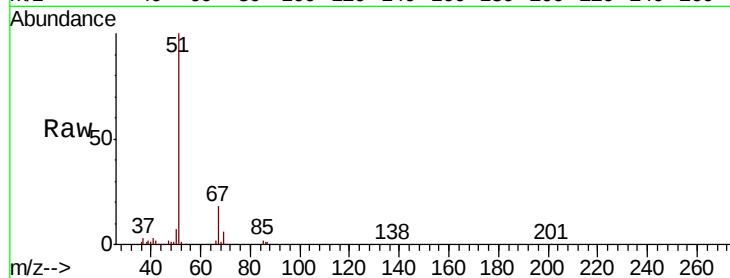
Acq: 7 Jun 2022 3:18

Tot Ion: 51 Resp: 1499751

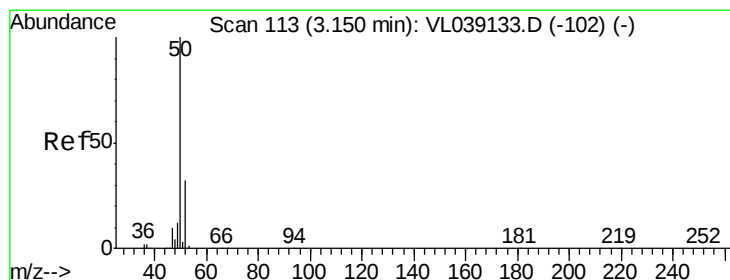
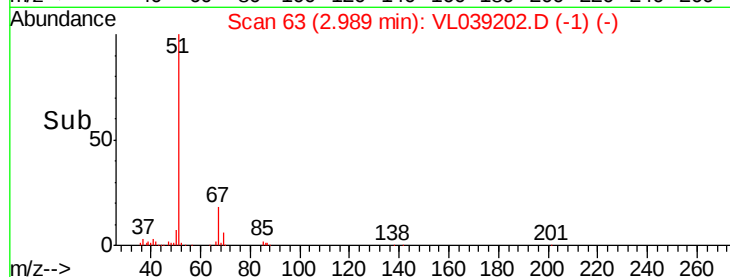
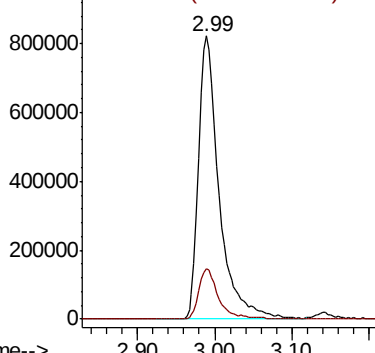
Ion Ratio Lower Upper

51 100

67 17.4 16.2 24.4



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.669 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039202.D

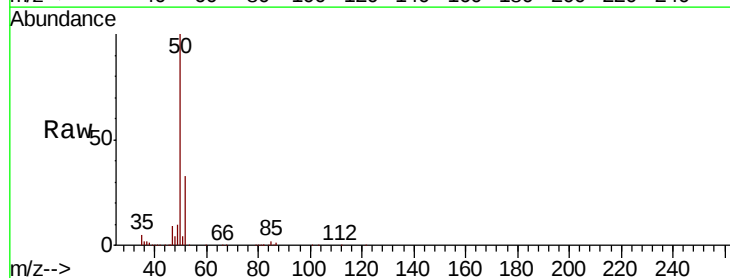
Acq: 7 Jun 2022 3:18

Tgt Ion: 50 Resp: 739425

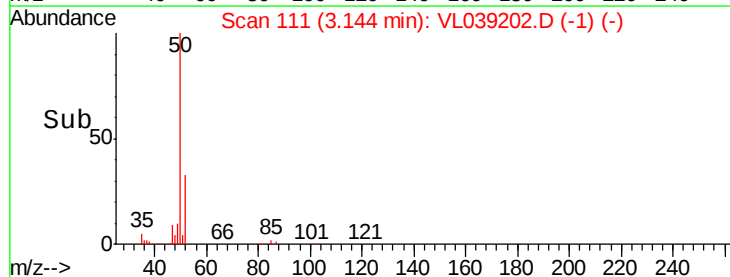
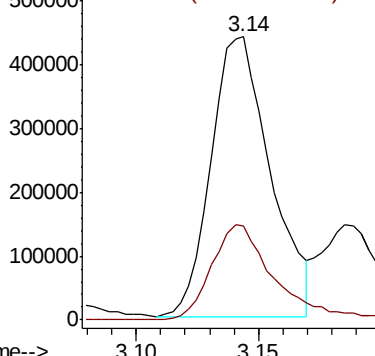
Ion Ratio Lower Upper

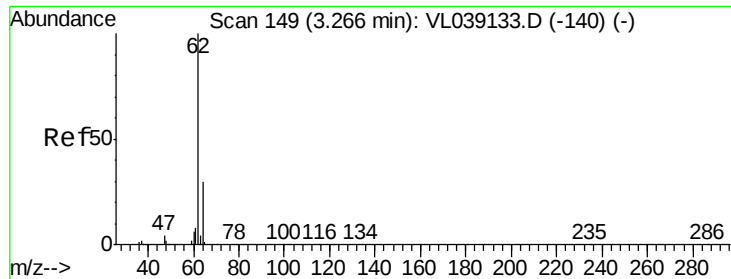
50 100

52 33.6 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.355 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

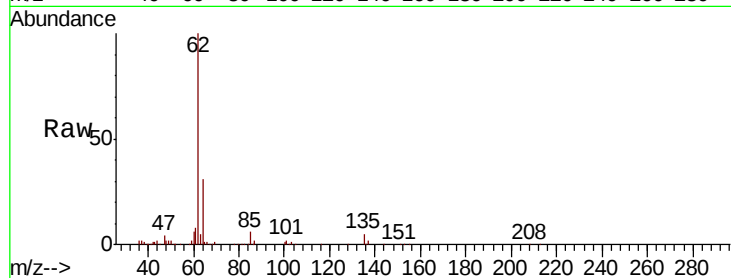
Acq: 7 Jun 2022 3:18

Tot Ion: 62 Resp: 740318

Ion Ratio Lower Upper

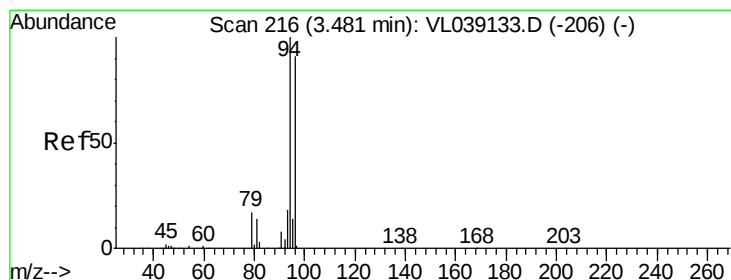
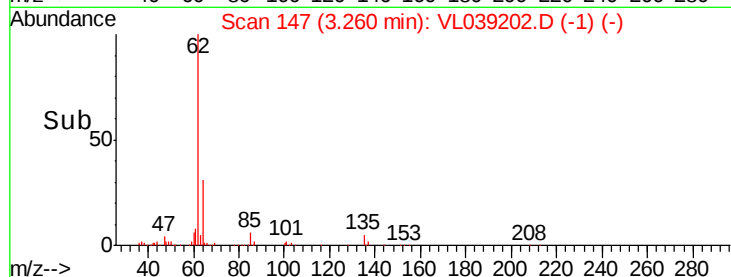
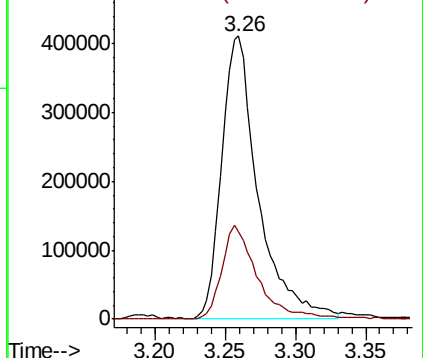
62 100

64 31.2 24.2 36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.511 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL039202.D

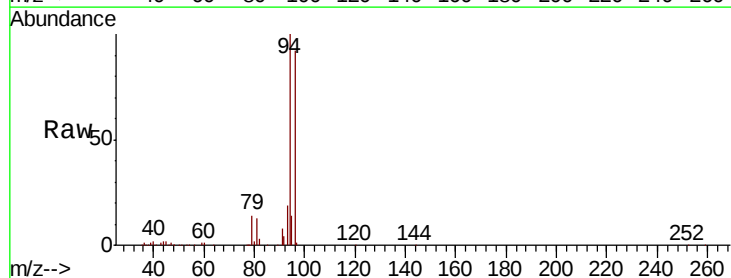
Acq: 7 Jun 2022 3:18

Tgt Ion: 94 Resp: 334505

Ion Ratio Lower Upper

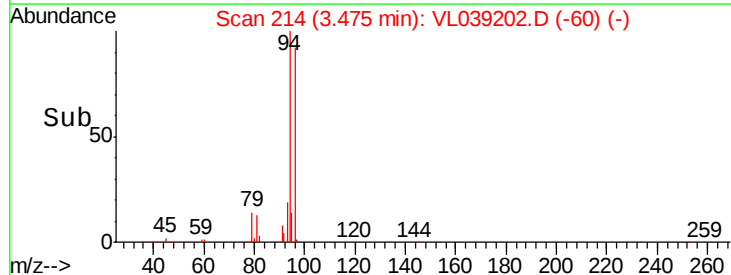
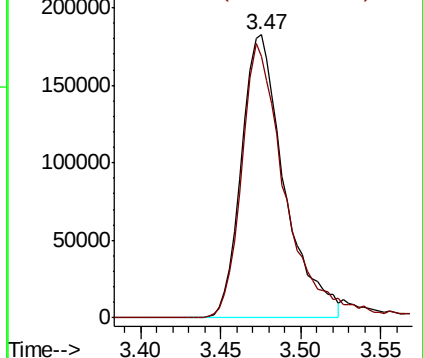
94 100

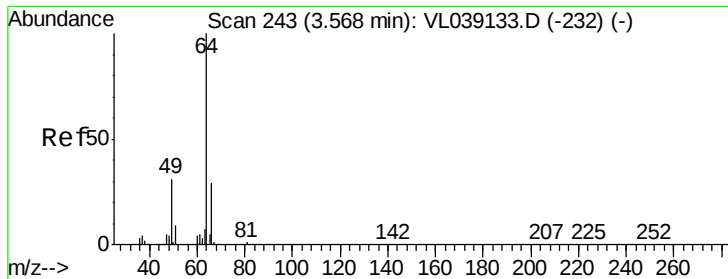
96 92.4 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.048 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File:

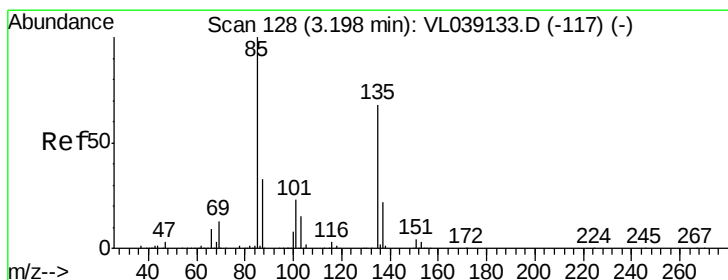
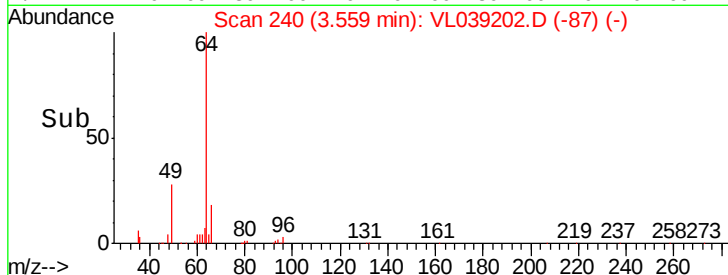
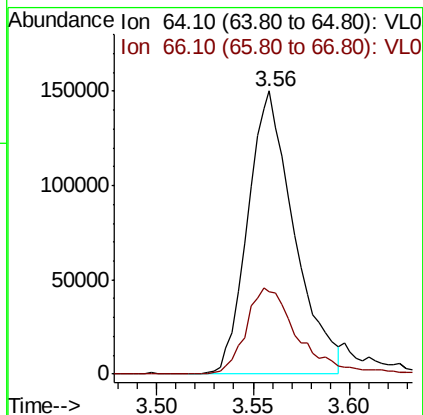
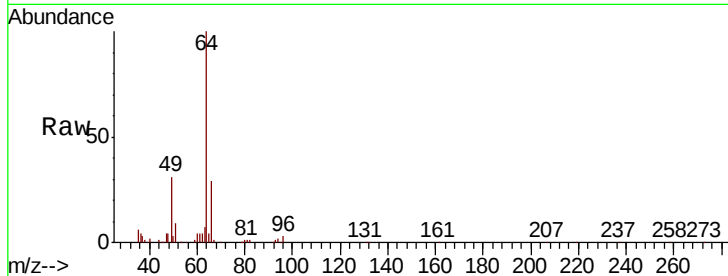
Acq: 7 Jun 2022 3:18

Tot Ion: 64 Resp: 250315

Ion Ratio Lower Upper

64 100

66 29.3 23.6 35.4



#8

Dichlorotetrafluoroethane

Concen: 9.643 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.01 min

Lab File: VL039202.D

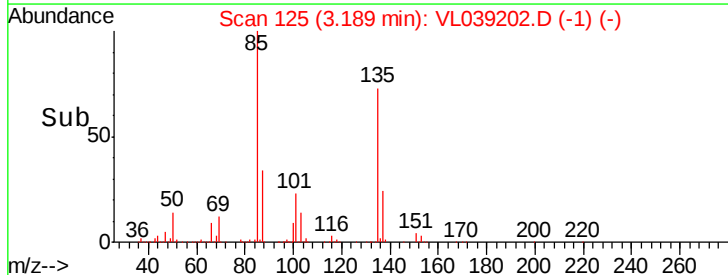
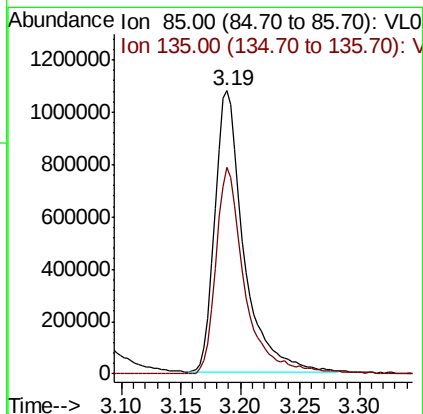
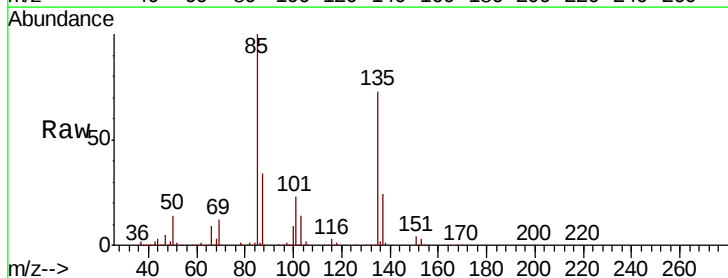
Acq: 7 Jun 2022 3:18

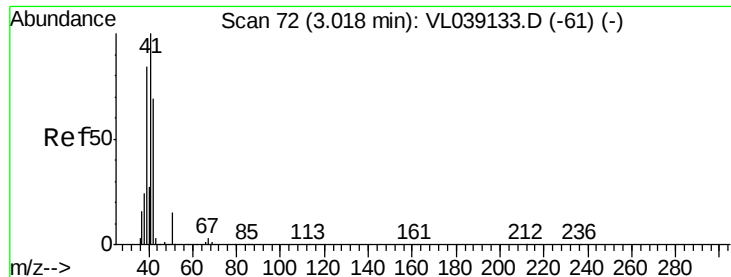
Tgt Ion: 85 Resp: 1811301

Ion Ratio Lower Upper

85 100

135 74.1 55.0 82.4





#9

Propene

Concen: 11.526 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

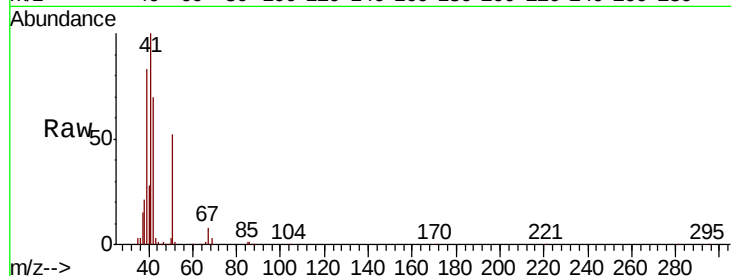
Acq: 7 Jun 2022 3:18

Tot Ion: 41 Resp: 748267

Ion Ratio Lower Upper

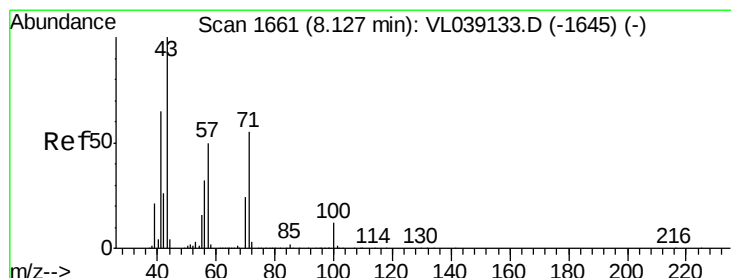
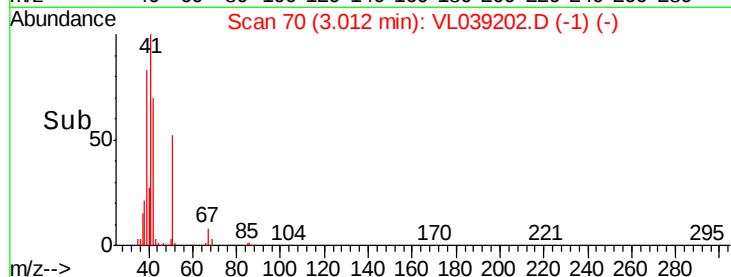
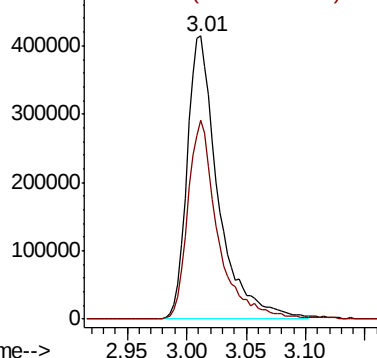
41 100

42 68.4 55.4 83.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 12.144 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VL039202.D

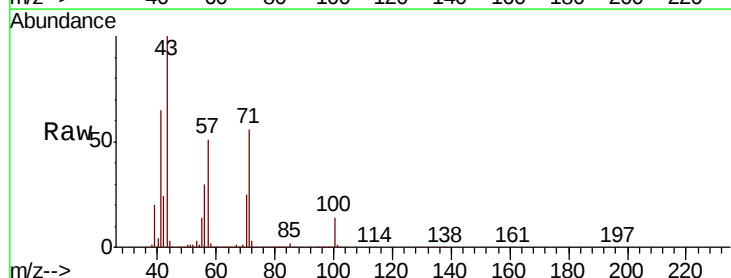
Acq: 7 Jun 2022 3:18

Tgt Ion: 43 Resp: 1839131

Ion Ratio Lower Upper

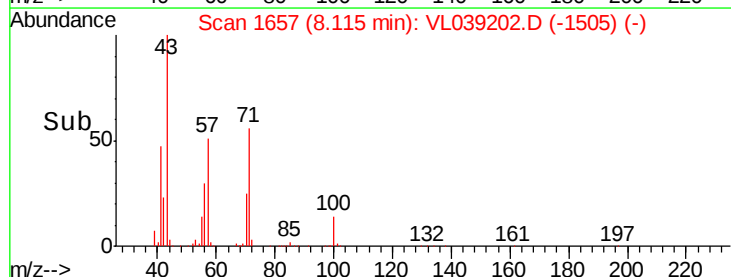
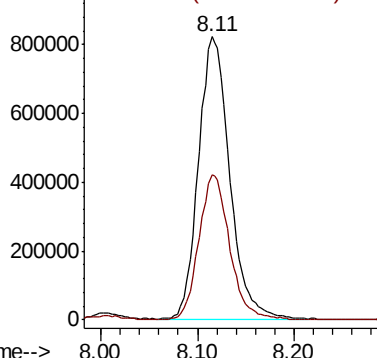
43 100

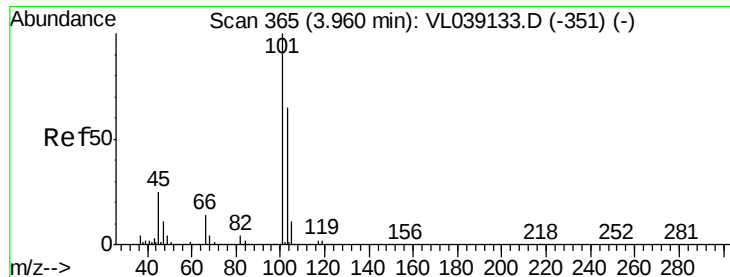
57 50.9 41.4 62.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

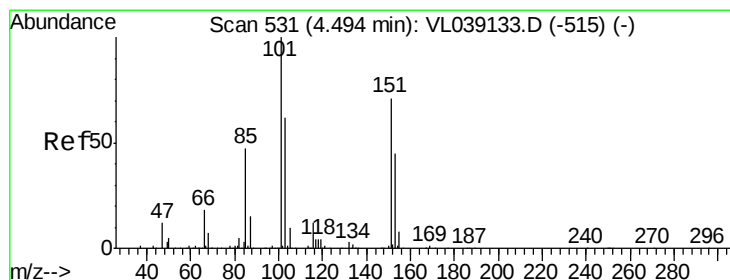
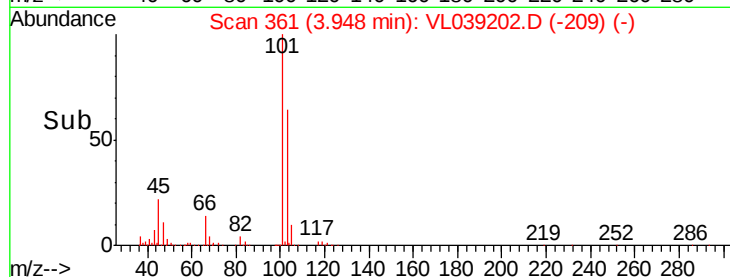
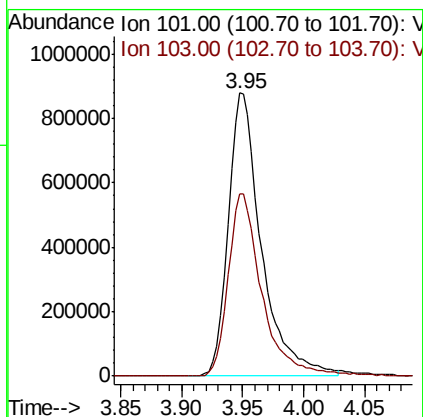
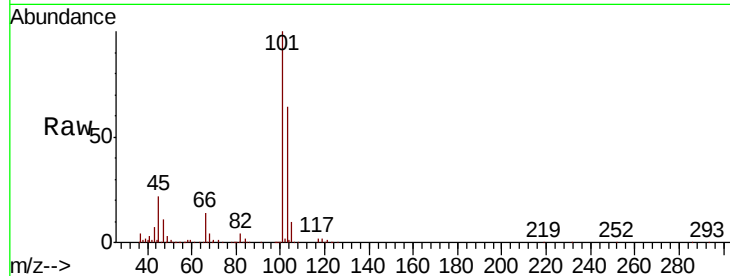
Ion 57.10 (56.80 to 57.80): VL0





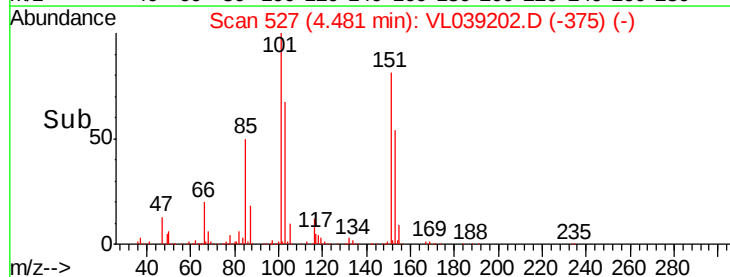
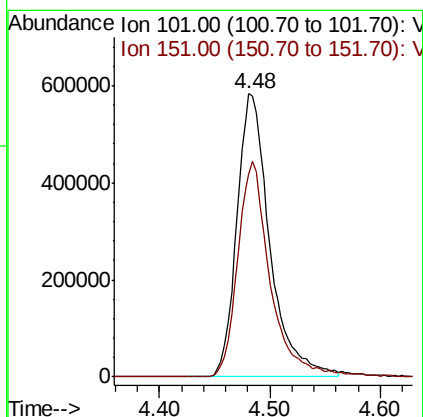
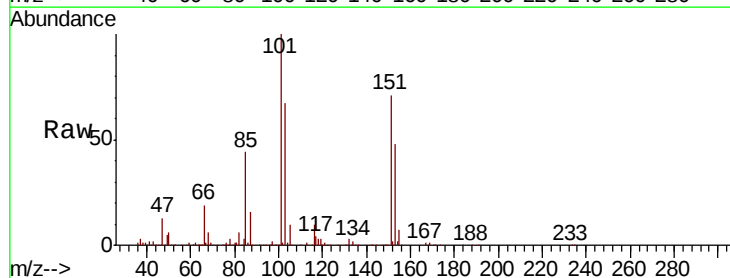
#11
 Trichlorofluoromethane
 Concen: 8.966 ppbv
 RT: 3.95 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 3:18

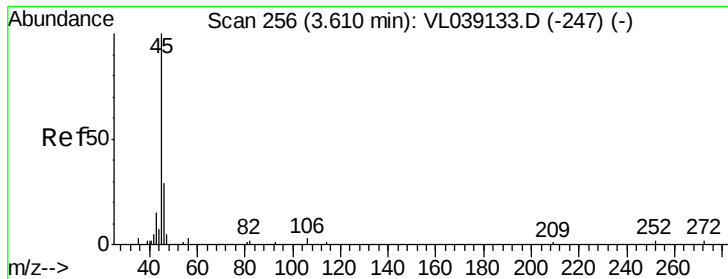
Tot Ion:101 Resp: 1668113
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.7 77.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.831 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

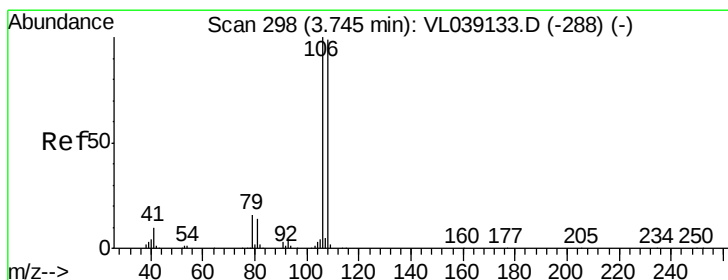
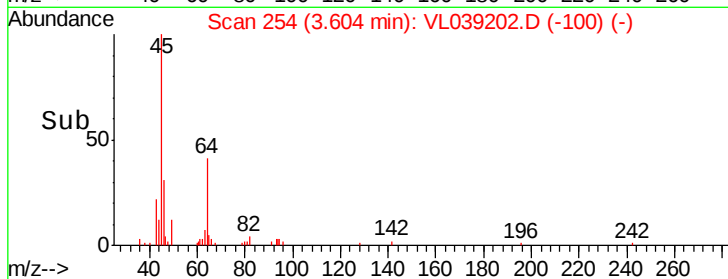
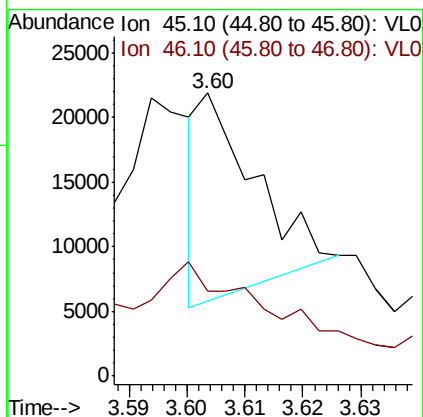
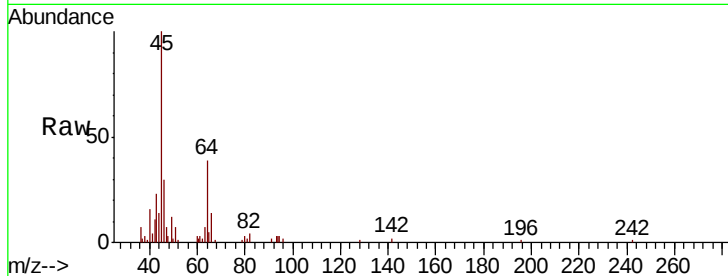
Tgt Ion:101 Resp: 1209489
 Ion Ratio Lower Upper
 101 100
 151 75.2 59.4 89.0





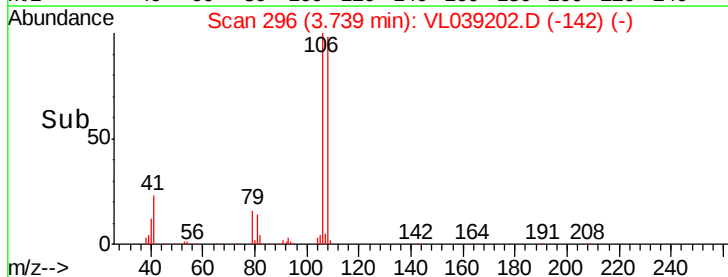
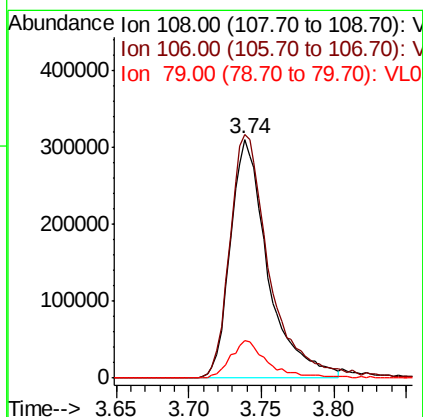
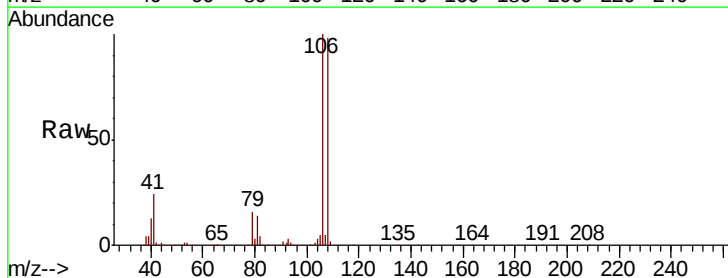
#13
Ethanol
Concen: 2.993 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 3:18

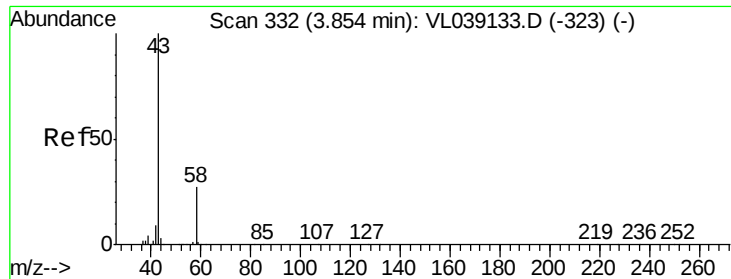
Tot Ion: 45 Resp: 10596
Ion Ratio Lower Upper
45 100
46 200.5 0.0 0.0#



#14
Bromoethene
Concen: 10.085 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.01 min
Lab File: VL039202.D
Acq: 7 Jun 2022 3:18

Tgt Ion:108 Resp: 557821
Ion Ratio Lower Upper
108 100
106 109.3 88.4 132.6
79 15.7 13.4 20.2





#15

Acetone

Concen: 10.510 ppbv

RT: 3.84 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

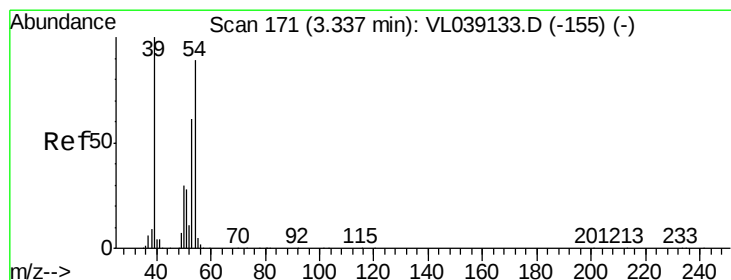
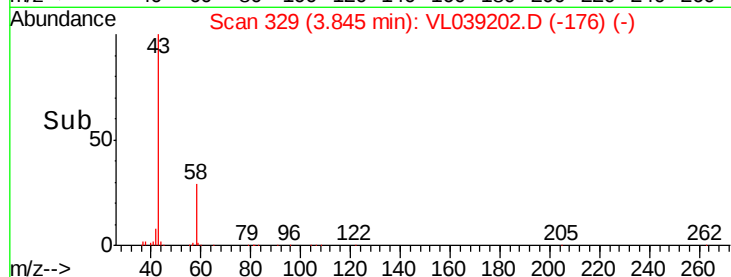
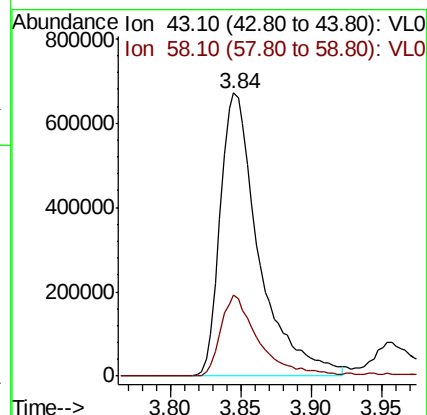
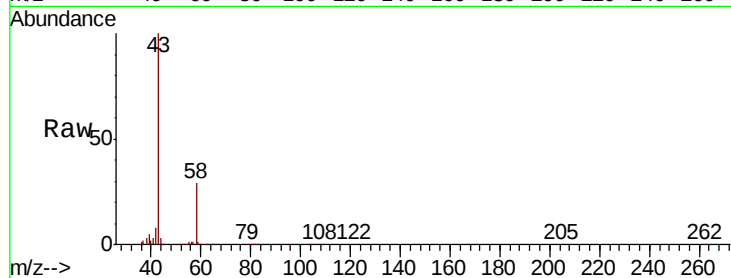
Acq: 7 Jun 2022 3:18

Tot Ion: 43 Resp: 1281021

Ion Ratio Lower Upper

43 100

58 29.5 22.5 33.7



#16

1,3-Butadiene

Concen: 10.740 ppbv

RT: 3.33 min Scan# 168

Delta R.T. -0.01 min

Lab File: VL039202.D

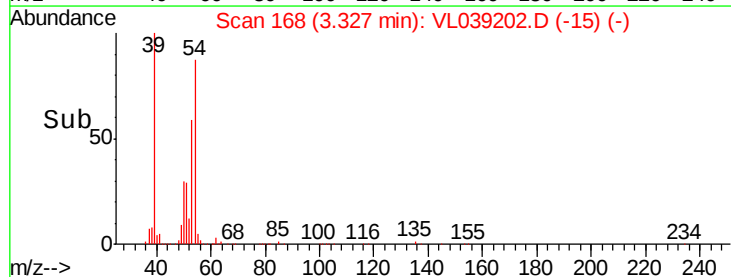
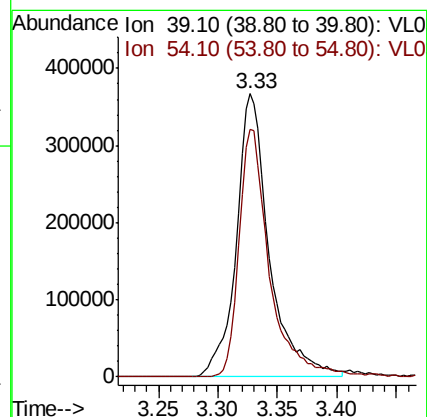
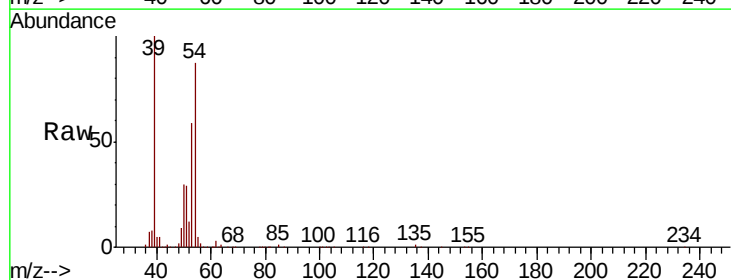
Acq: 7 Jun 2022 3:18

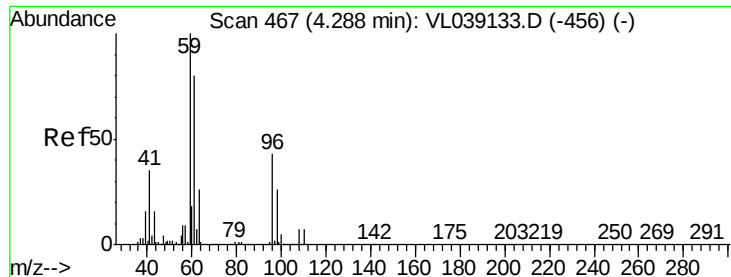
Tgt Ion: 39 Resp: 703717

Ion Ratio Lower Upper

39 100

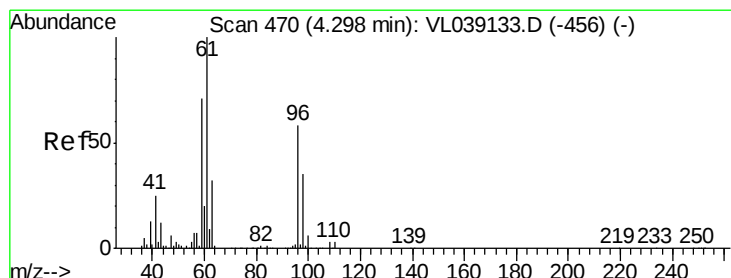
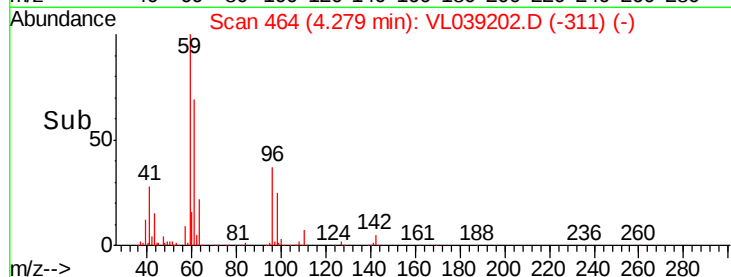
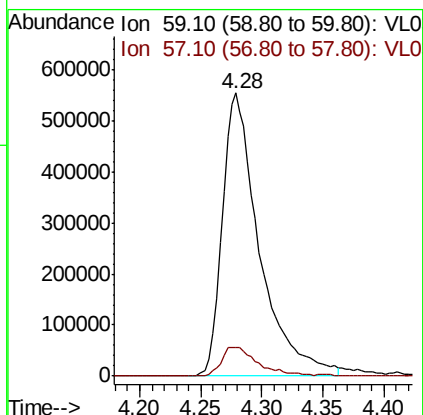
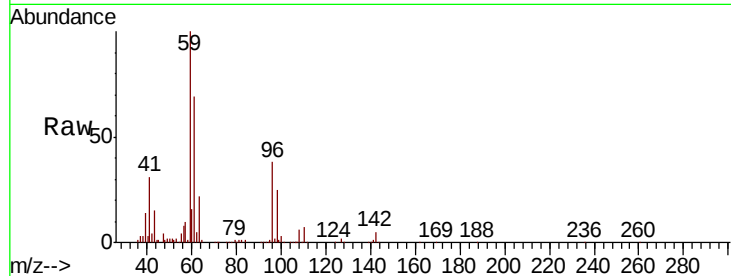
54 81.8 65.8 98.6





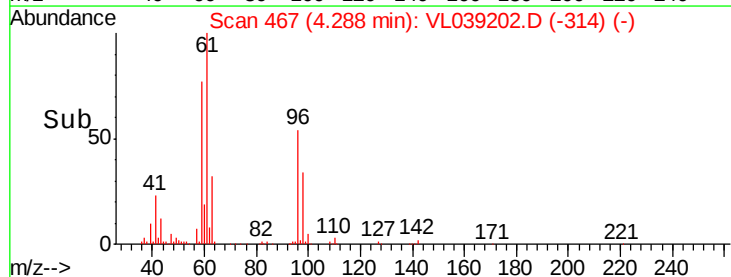
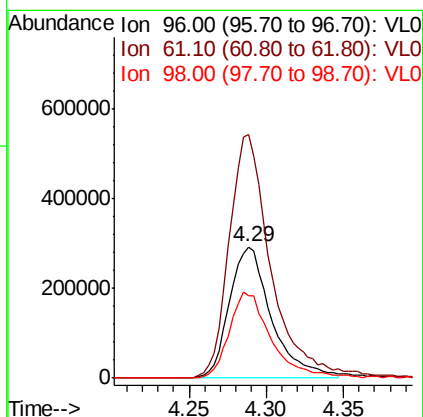
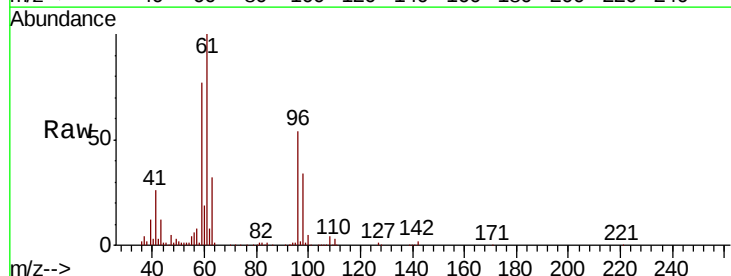
#17
 tert-Butyl alcohol
 Concen: 12.444 ppbv
 RT: 4.28
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 3:18

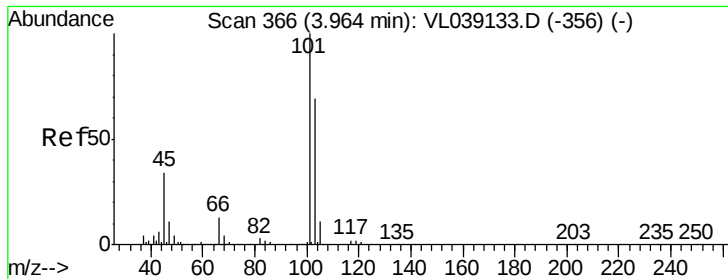
Tot Ion: 59 Resp: 1176542
 Ion Ratio Lower Upper
 59 100
 57 10.6 9.1 13.7



#18
 1,1-Dichloroethene
 Concen: 10.004 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

Tgt Ion: 96 Resp: 552147
 Ion Ratio Lower Upper
 96 100
 61 185.0 138.4 207.6
 98 62.5 47.8 71.8





#19

Isopropyl Alcohol

Concen: 5.245 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

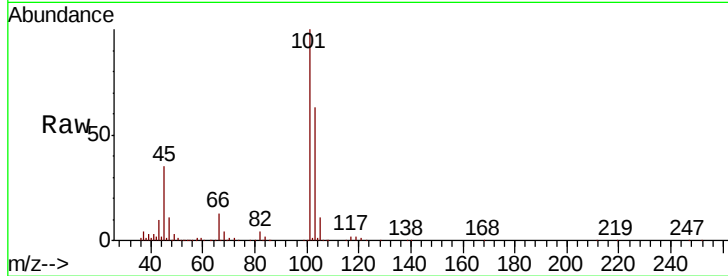
Acq: 7 Jun 2022 3:18

Tot Ion: 45 Resp: 299868

Ion Ratio Lower Upper

45 100

58 4.9 1.8 2.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

300000

250000

200000

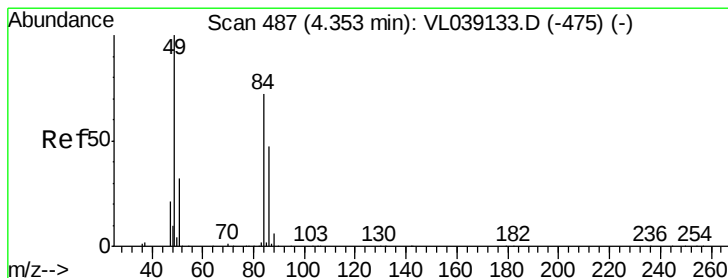
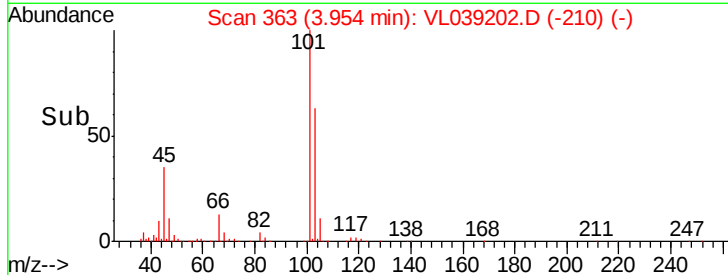
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 8.854 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

Tgt Ion: 84 Resp: 454818

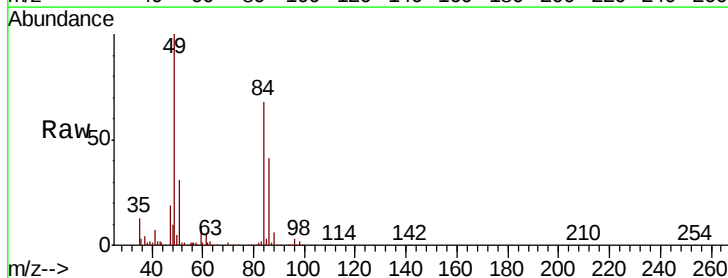
Ion Ratio Lower Upper

84 100

49 145.9 111.1 166.7

51 43.3 35.3 52.9

86 60.0 51.9 77.9



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

500000

400000

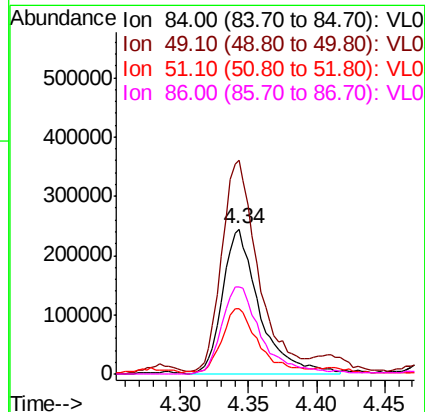
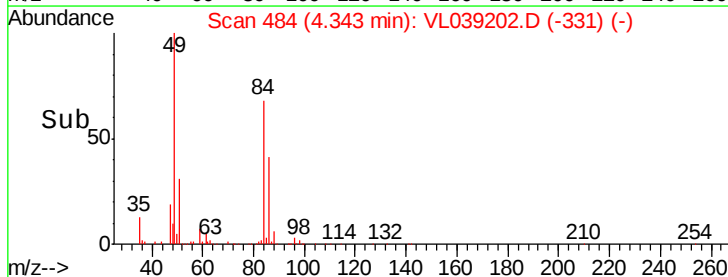
300000

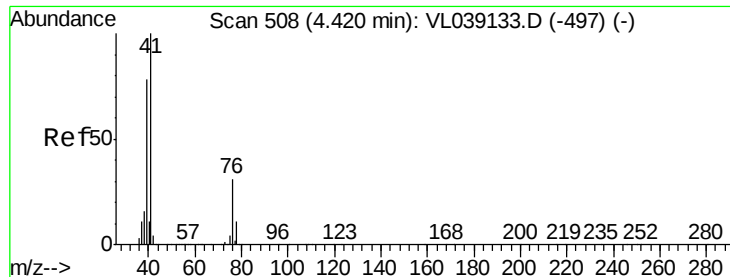
200000

100000

0

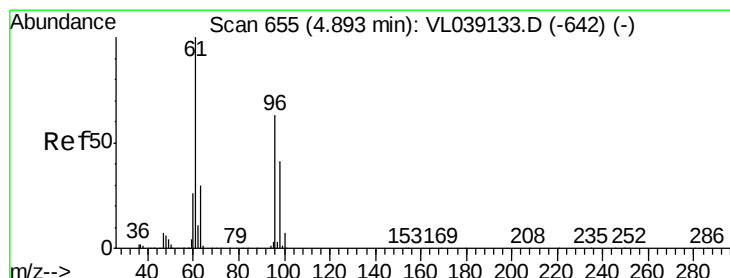
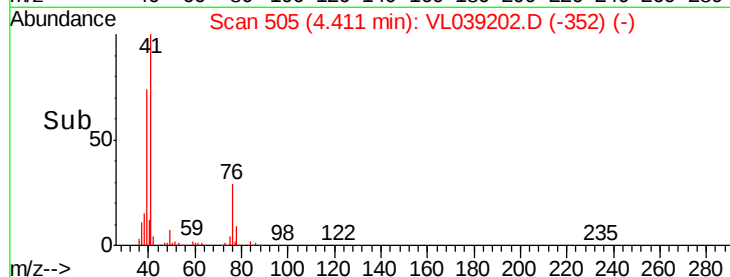
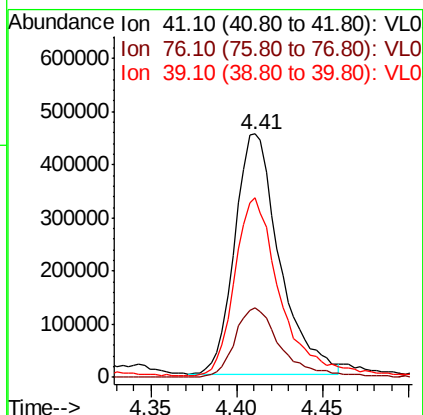
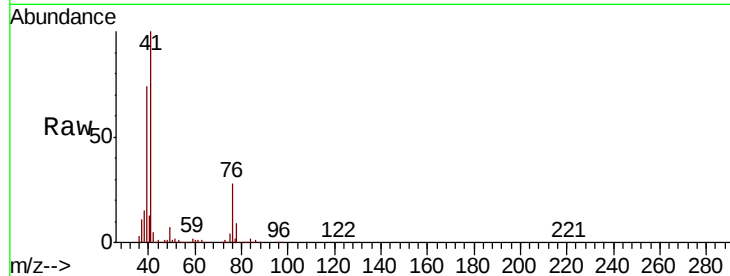
Time-->





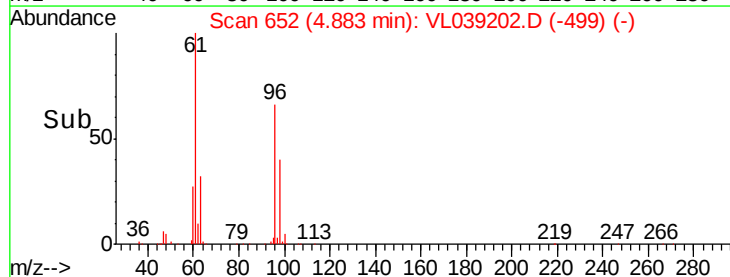
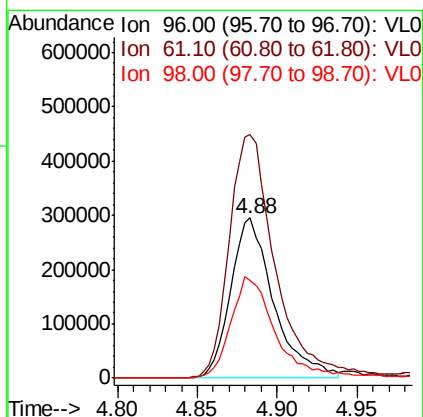
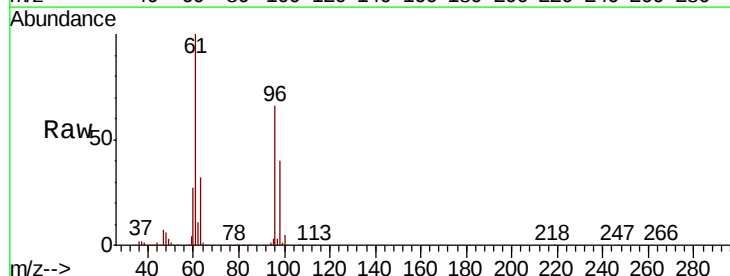
#21
 Allvl Chloride
 Concen: 9.985 ppbv
 RT: 4.41
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 3:18

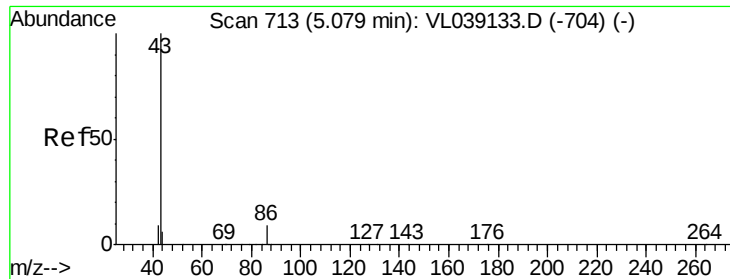
Tot Ion	Ratio	Lower	Upper
41	100		
76	30.2	24.2	36.2
39	76.9	62.2	93.2



#22
 trans-1,2-Dichloroethene
 Concen: 10.260 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

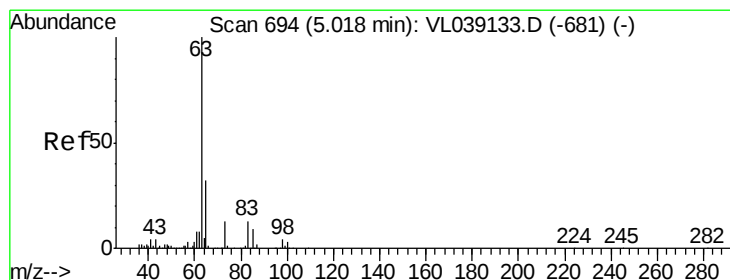
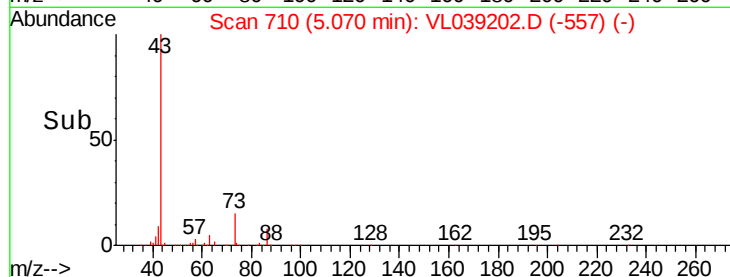
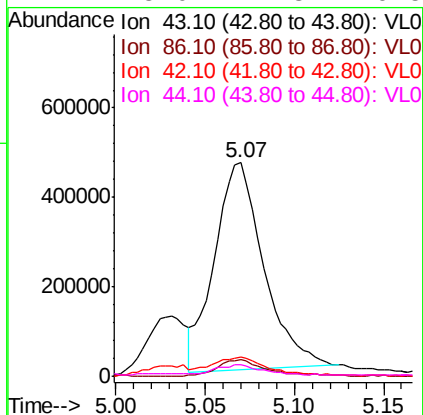
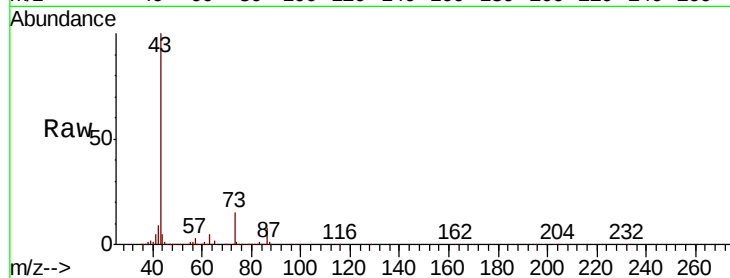
Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	126.6	190.0
98	61.3	52.5	78.7





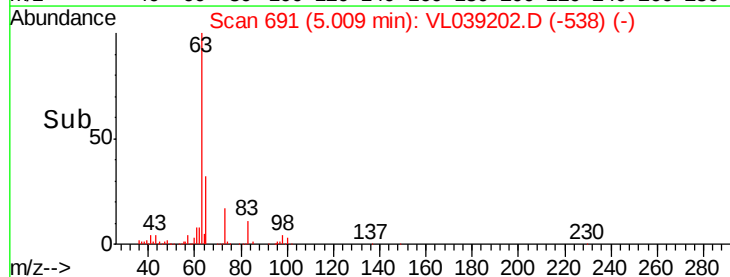
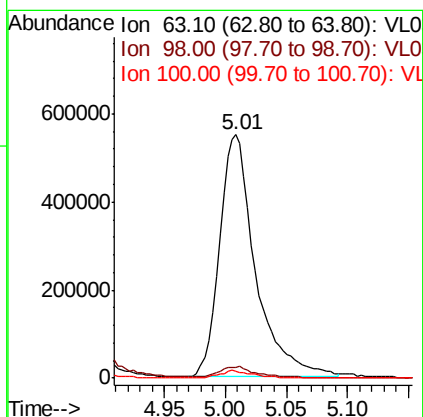
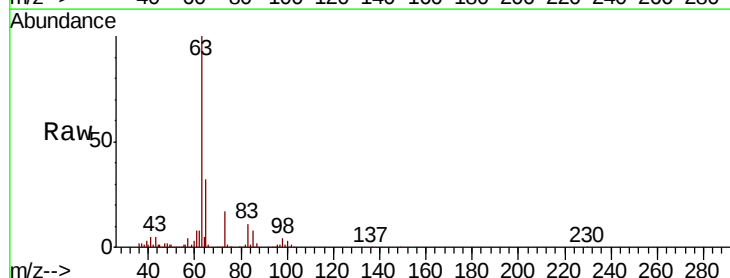
#23
 Vinyl Acetate
 Concen: 8.815 ppbv
 RT: 5.07
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 3:18

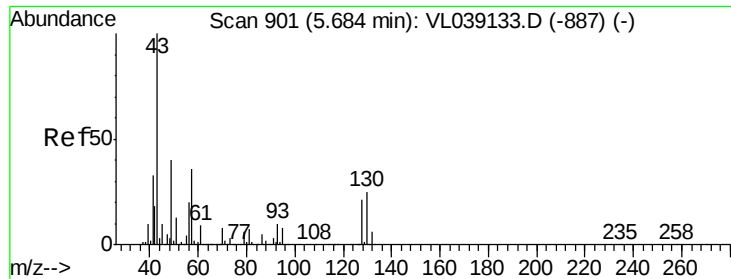
Tot Ion:	43	Resp:	889024
Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.0	9.0
42	8.8	8.2	12.4
44	5.0	4.3	6.5



#24
 1,1-Dichloroethane
 Concen: 8.223 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

Tgt Ion:	63	Resp:	1136302
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.2
100	2.9	1.5	4.5





#25

Ethyl Acetate

Concen: 12.322 ppbv

RT: 5.67 Instrument:

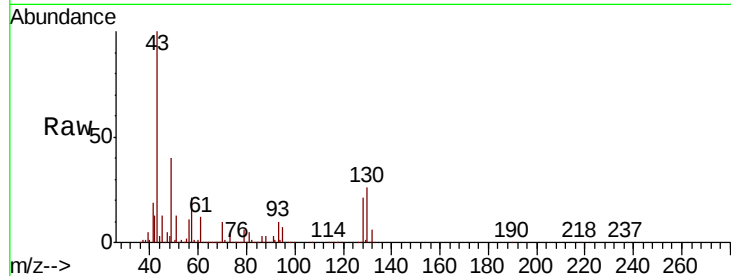
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 3:18

Tot Ion: 43 Resp: 3385148

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.2	12.2
61	10.8	8.4	12.6
70	7.7	5.6	8.4



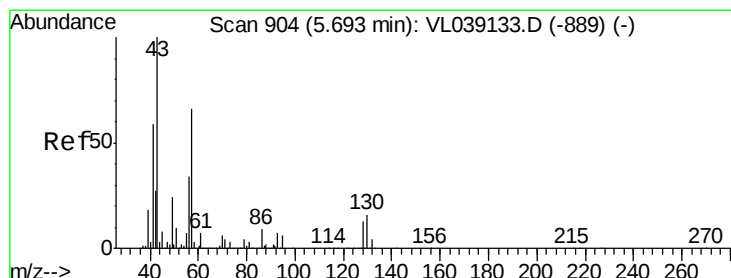
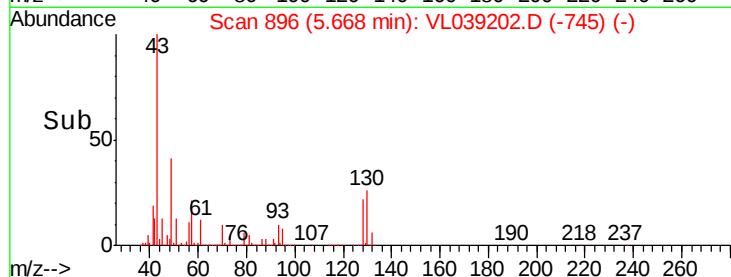
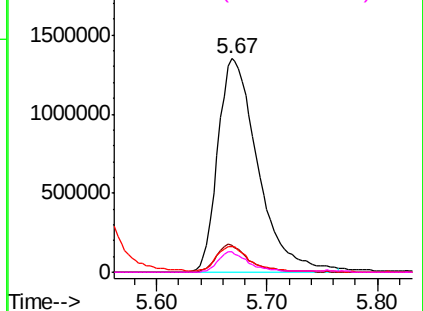
Abundance

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: 11.307 ppbv

RT: 5.68 min Scan# 901

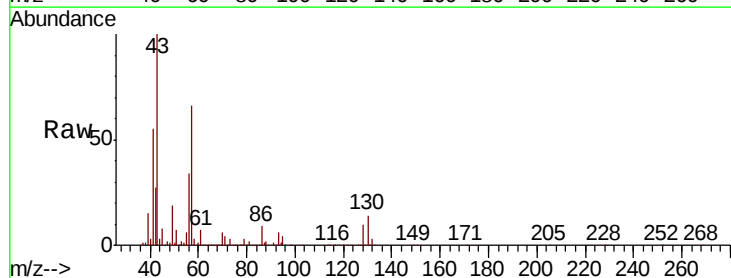
Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

Tgt Ion: 57 Resp: 1365136

Ion	Ratio	Lower	Upper
57	100		
41	86.2	72.4	108.6
43	254.1	187.0	280.6
56	52.1	41.8	62.6



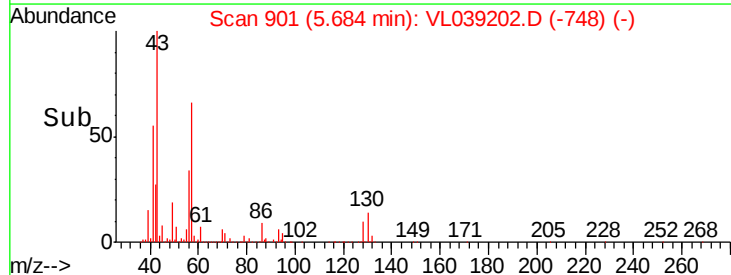
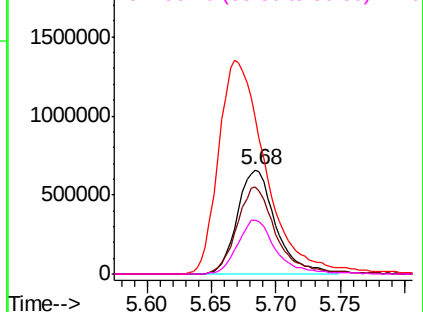
Abundance

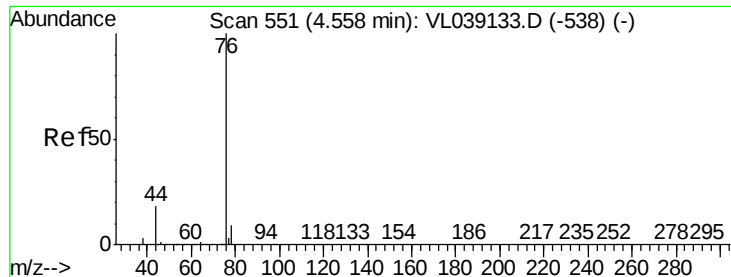
Ion 57.10 (56.80 to 57.80): VL0

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: 10.368 ppbv

RT: 4.55 Instrument:

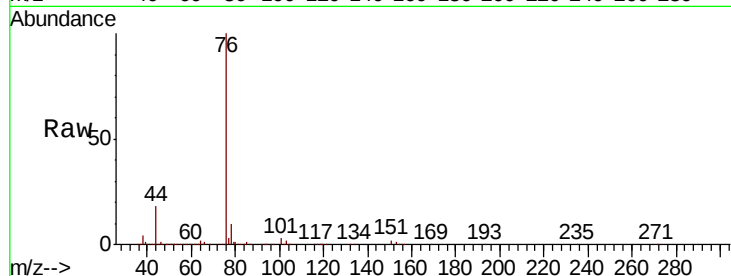
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

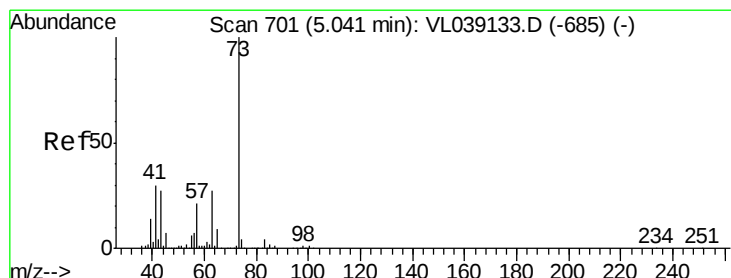
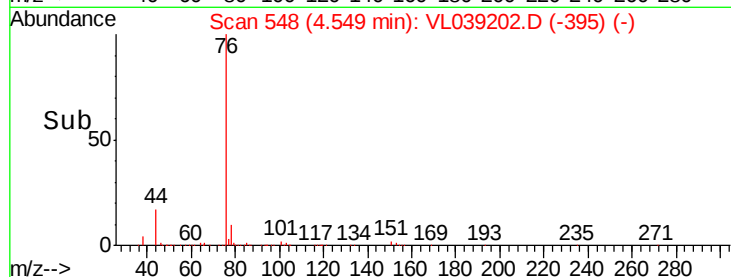
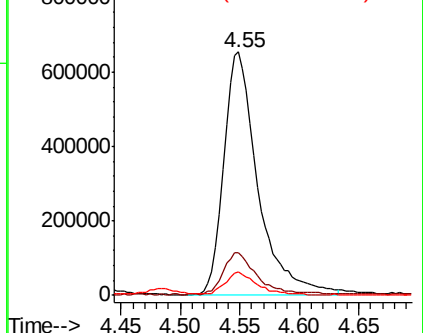
Acq: 7 Jun 2022 3:18

Tot Ion: 76 Resp: 1297281

Ion	Ratio	Lower	Upper
76	100		
44	16.7	14.4	21.6
78	9.4	7.7	11.5



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: 8.859 ppbv

RT: 5.03 min Scan# 698

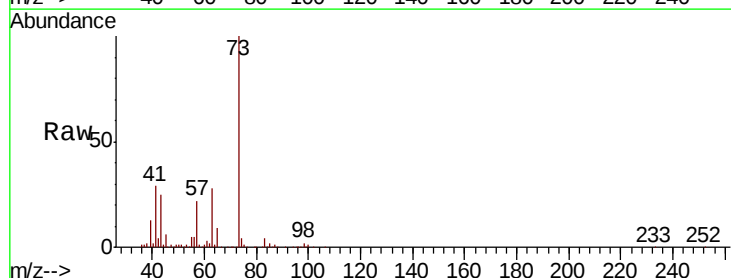
Delta R.T. -0.01 min

Lab File: VL039202.D

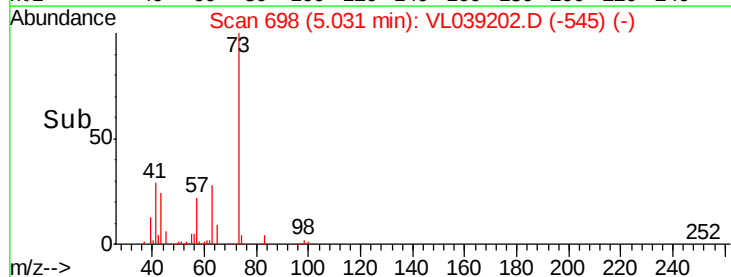
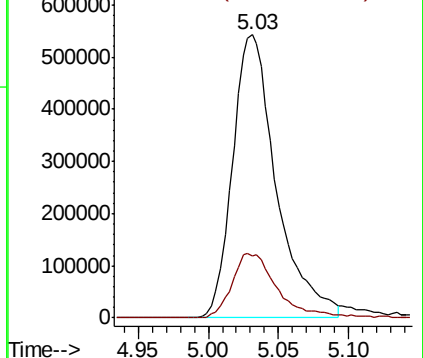
Acq: 7 Jun 2022 3:18

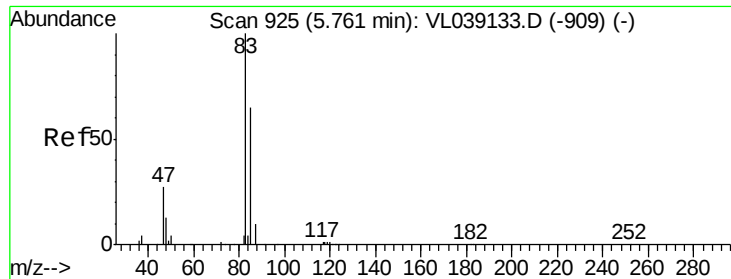
Tgt Ion: 73 Resp: 1180732

Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.6	27.8



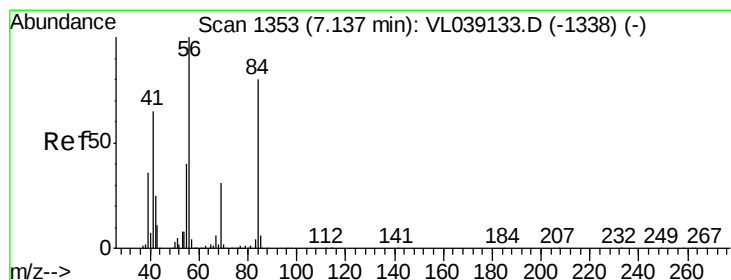
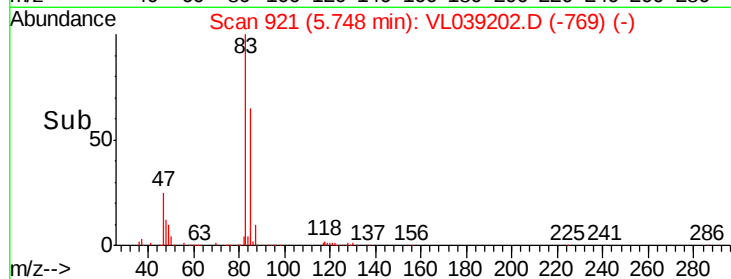
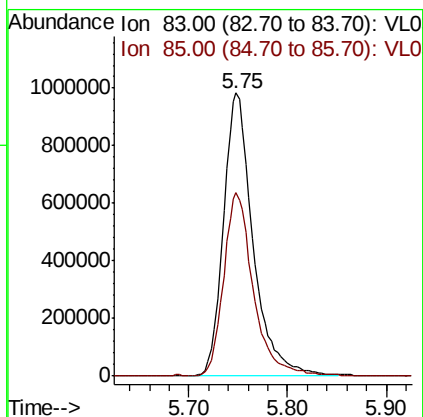
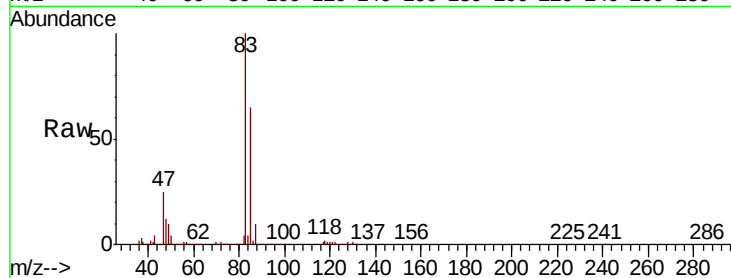
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





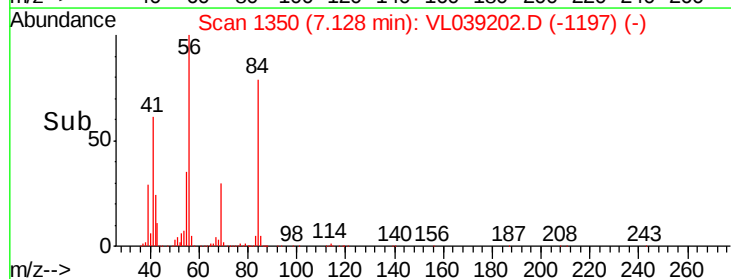
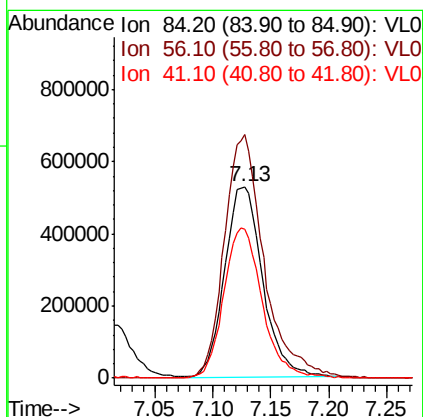
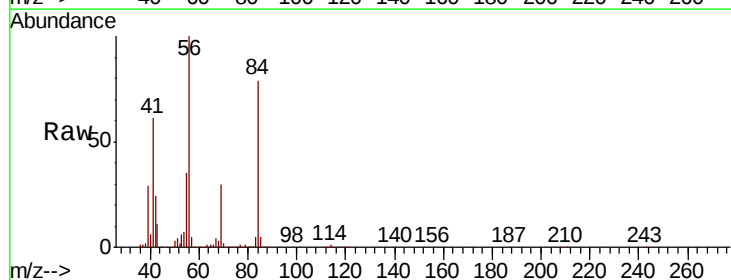
#29
 Chloroform
 Concen: 10.190 ppbv
 RT: 5.75
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 3:18

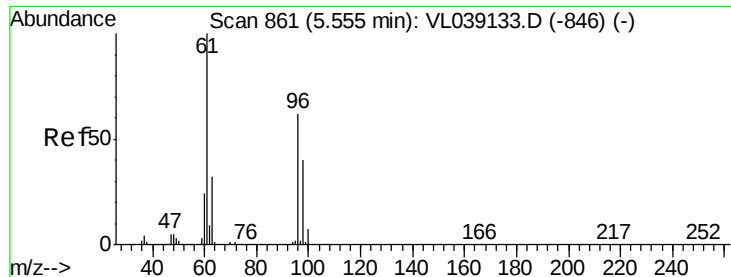
Tot Ion: 83 Resp: 2070139
 Ion Ratio Lower Upper
 83 100
 85 64.8 52.4 78.6



#30
 Cyclohexane
 Concen: 11.857 ppbv
 RT: 7.13 min Scan# 1350
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

Tgt Ion: 84 Resp: 1202528
 Ion Ratio Lower Upper
 84 100
 56 133.9 110.6 165.8
 41 79.4 68.9 103.3





#31

cis-1,2-Dichloroethene

Concen: 10.511 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 3:18

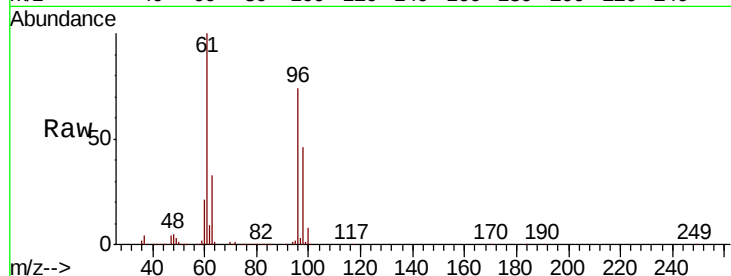
Tot Ion: 61 Resp: 1293911

Ion Ratio Lower Upper

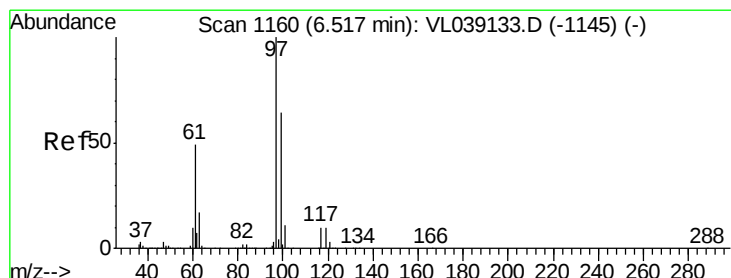
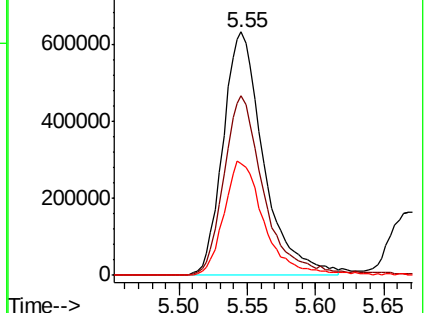
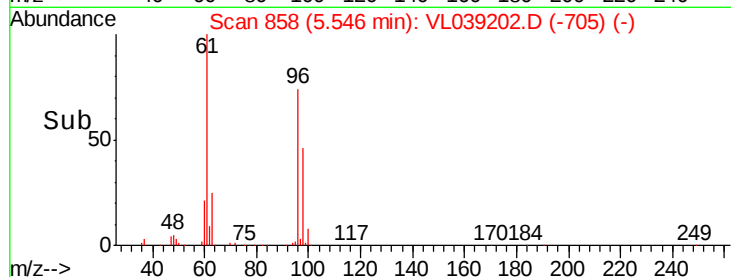
61 100

96 73.5 49.9 74.9

98 45.7 32.0 48.0



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: 10.406 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

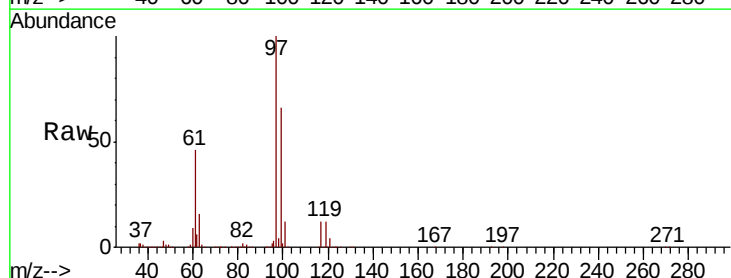
Tgt Ion: 97 Resp: 2068706

Ion Ratio Lower Upper

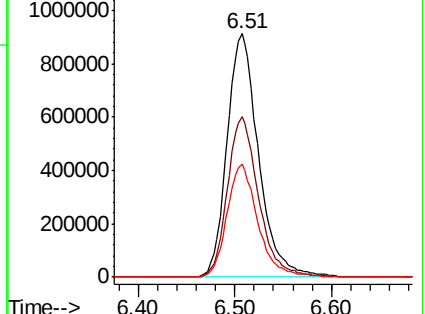
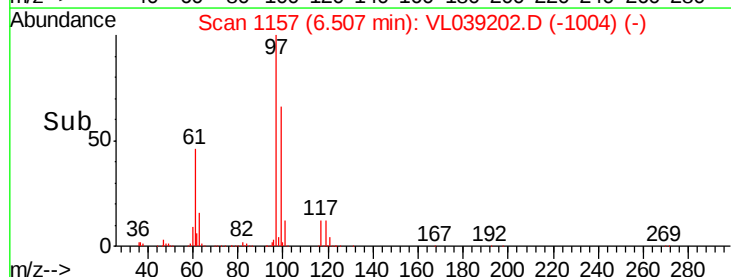
97 100

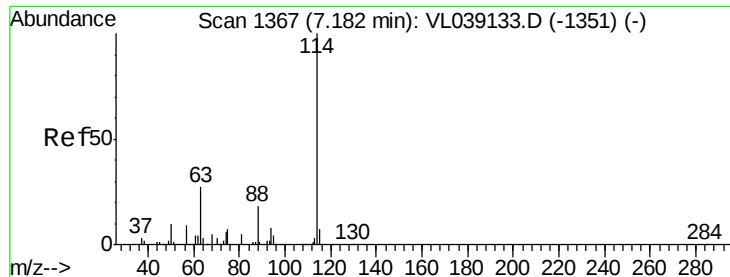
99 65.4 52.1 78.1

61 45.8 40.0 60.0



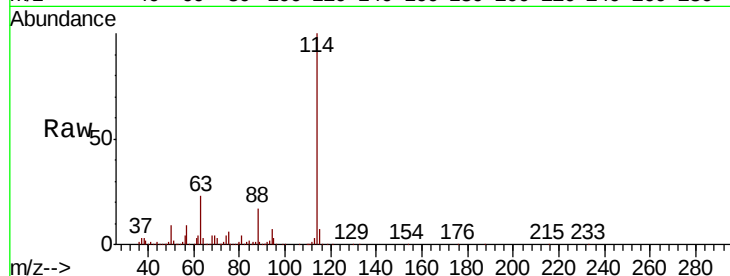
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



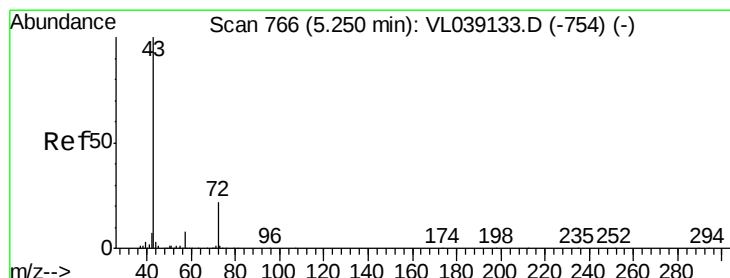
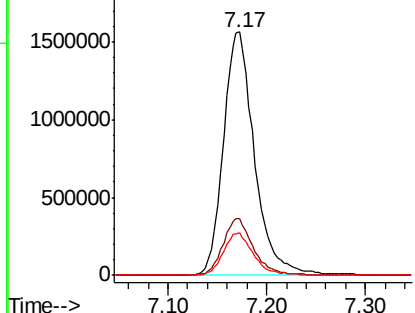
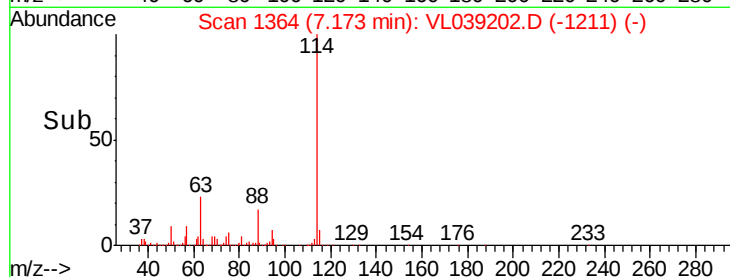


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 3:18

Tot Ion:114 Resp: 3440966
 Ion Ratio Lower Upper
 114 100
 63 23.2 21.7 32.5
 88 17.2 14.8 22.2

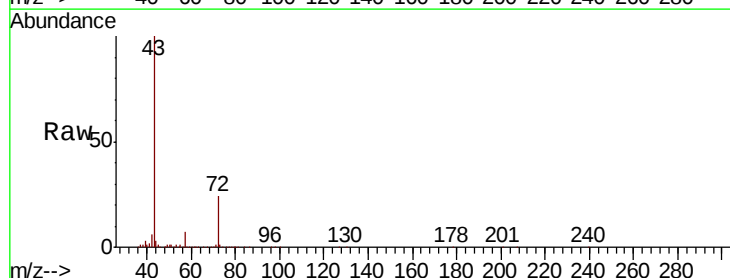


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

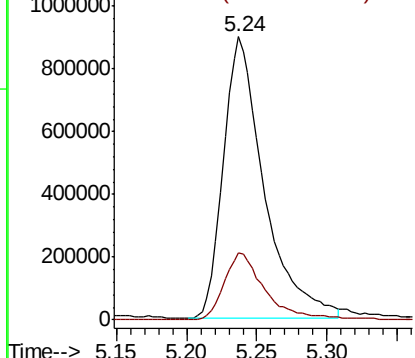
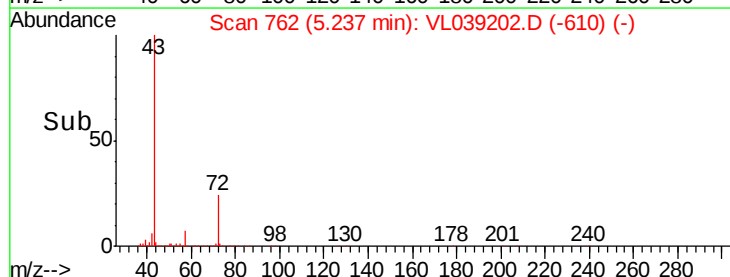


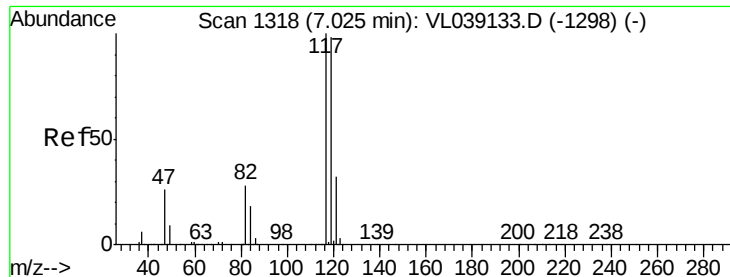
#34
 2-Butanone
 Concen: 9.721 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

Tgt Ion: 43 Resp: 1817291
 Ion Ratio Lower Upper
 43 100
 72 24.4 18.2 27.2



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





#35

Carbon Tetrachloride

Concen: 8.396 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 3:18

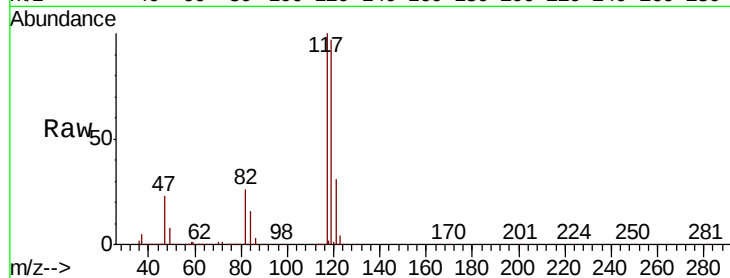
Tot Ion:117 Resp: 2108752

Ion Ratio Lower Upper

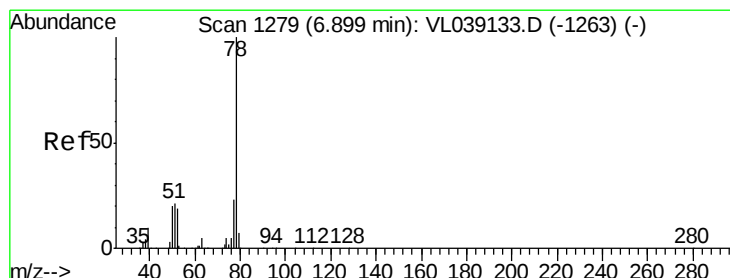
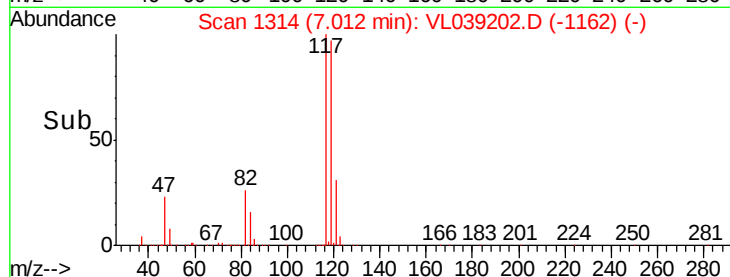
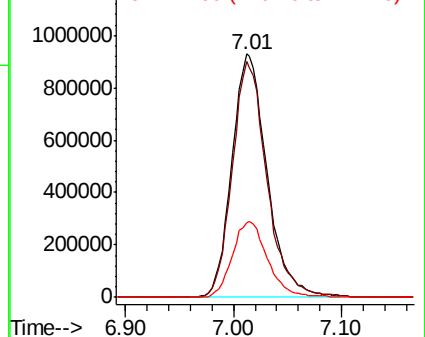
117 100

119 97.0 78.6 118.0

121 30.7 25.4 38.0



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: 10.459 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

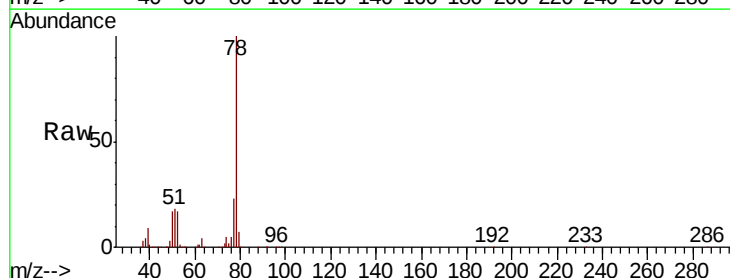
Tgt Ion: 78 Resp: 2921738

Ion Ratio Lower Upper

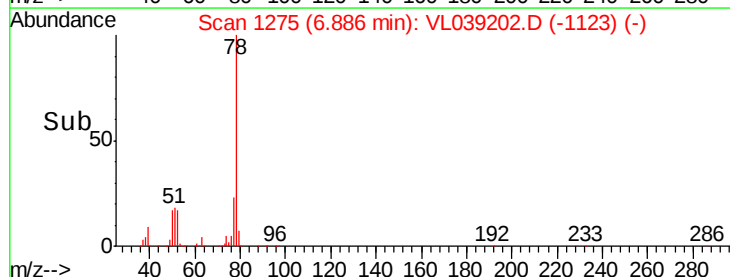
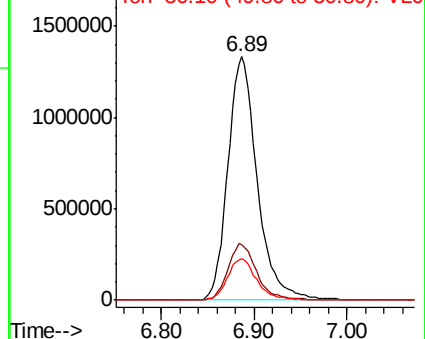
78 100

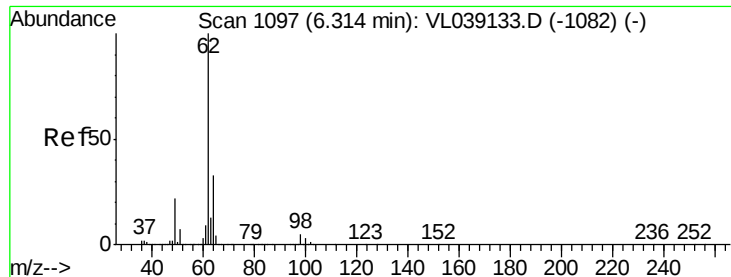
77 22.9 18.6 27.8

50 16.9 15.8 23.8



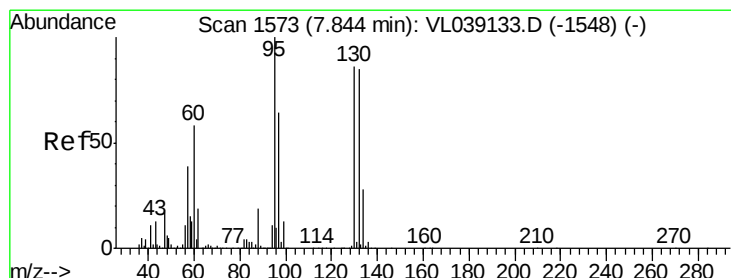
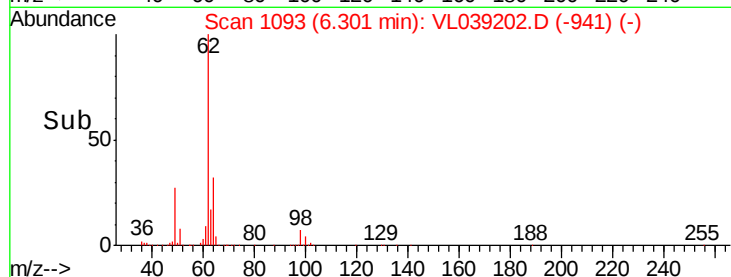
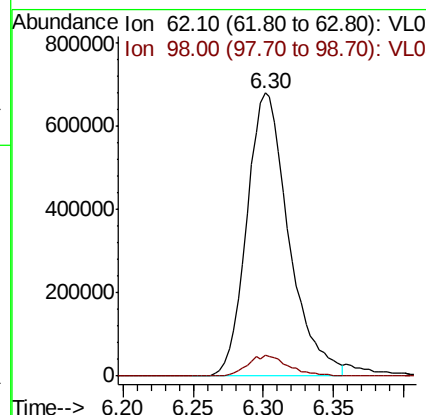
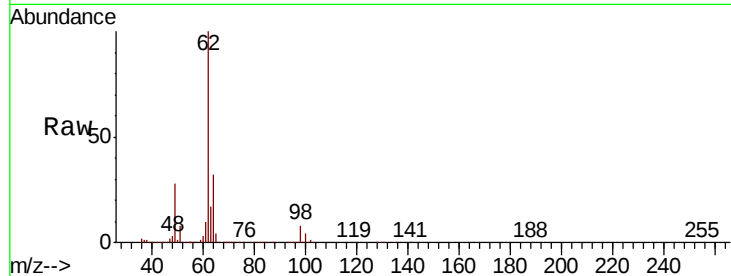
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





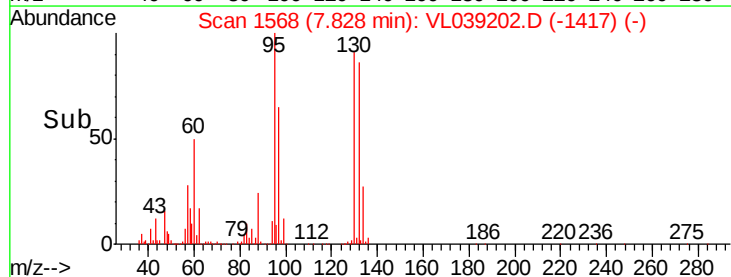
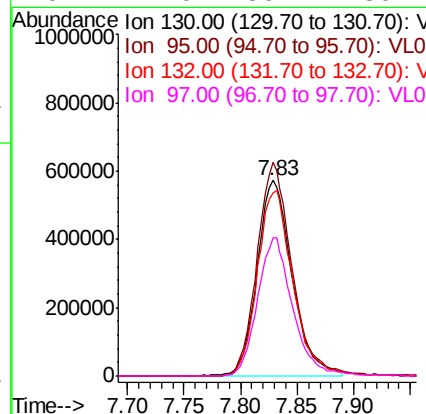
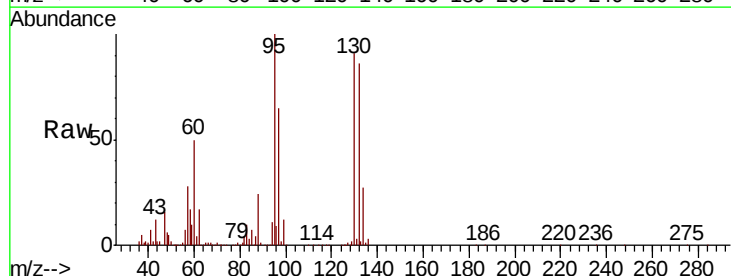
#37
 1,2-Dichloroethane
 Concen: 7.725 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 3:18

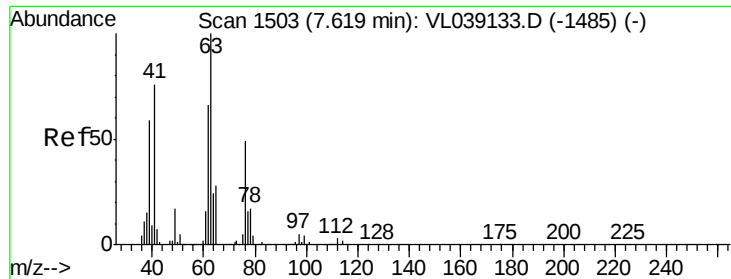
Tot Ion: 62 Resp: 1420303
 Ion Ratio Lower Upper
 62 100
 98 7.5 4.3 6.5#



#38
 Trichloroethene
 Concen: 9.595 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

Tgt Ion: 130 Resp: 1231151
 Ion Ratio Lower Upper
 130 100
 95 109.3 93.3 139.9
 132 94.0 79.0 118.4
 97 71.0 59.4 89.2





#39

1,2-Dichloropropane

Concen: 10.195 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 3:18

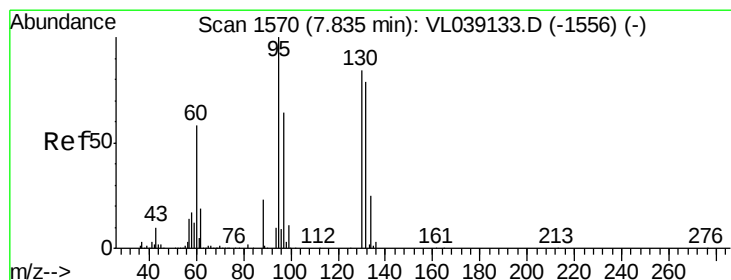
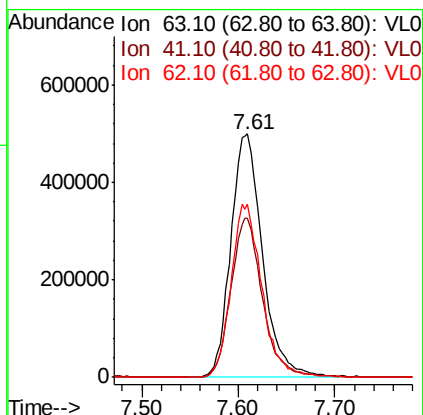
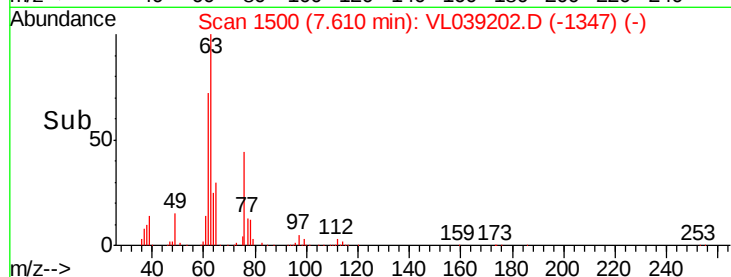
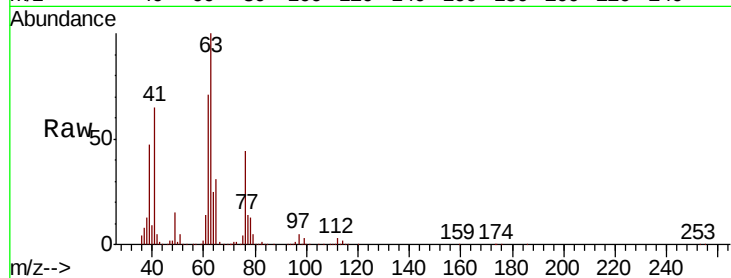
Tot Ion: 63 Resp: 1132835

Ion Ratio Lower Upper

63 100

41 65.1 60.8 91.2

62 71.4 52.9 79.3



#40

1,4-Dioxane

Concen: 11.089 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

Tgt Ion: 88 Resp: 405641

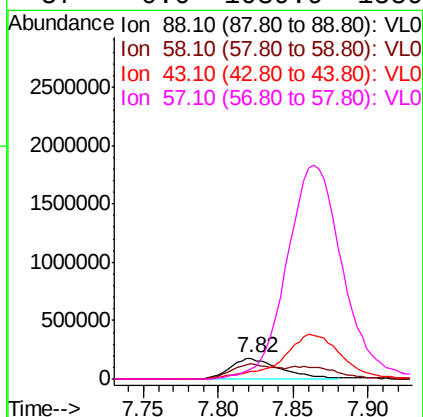
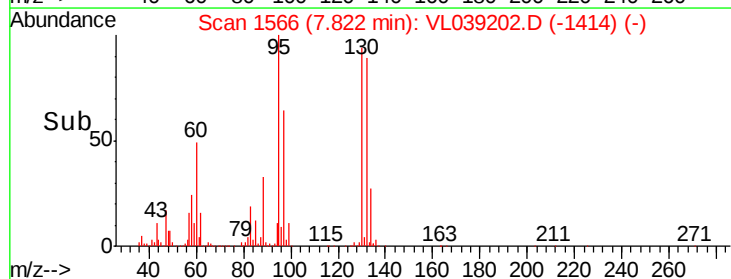
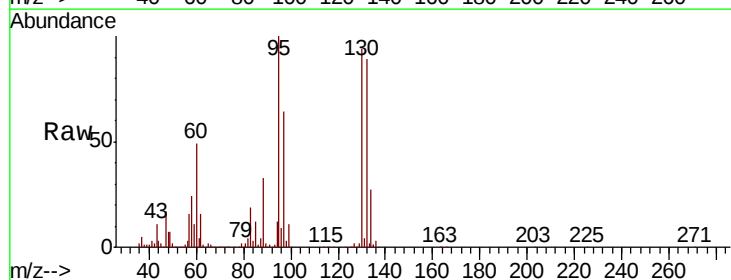
Ion Ratio Lower Upper

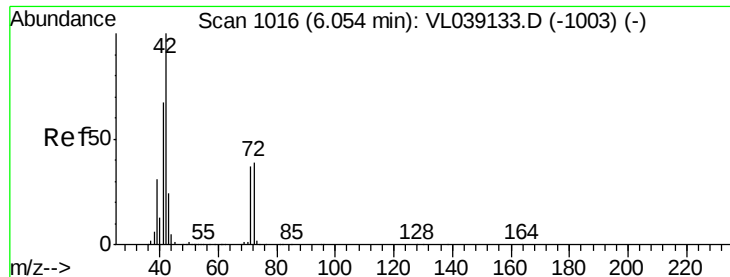
88 100

58 66.7 111.2 166.8#

43 0.0 234.2 351.4#

57 0.0 1039.9 1559.9#





#41

Tetrahydrofuran

Concen: 10.565 ppbv

RT: 6.04 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Jun 2022 3:18

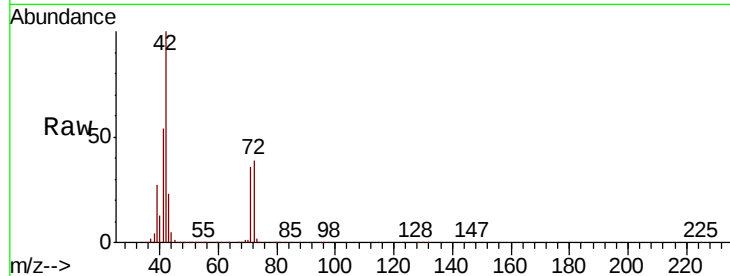
Tot Ion: 42 Resp: 1187848

Ion Ratio Lower Upper

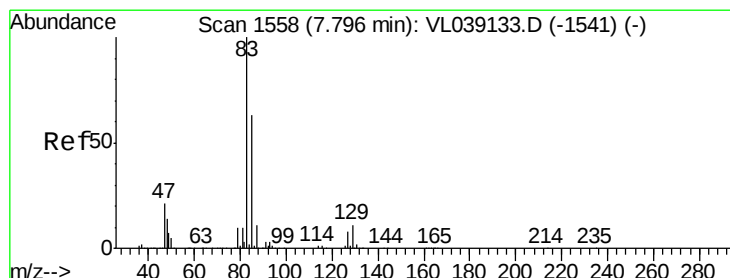
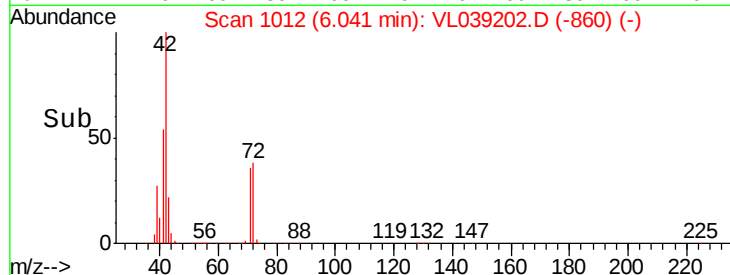
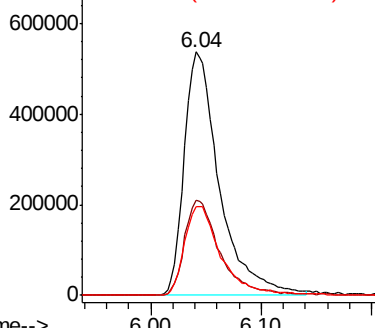
42 100

72 39.9 32.0 48.0

71 38.4 31.1 46.7



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.031 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

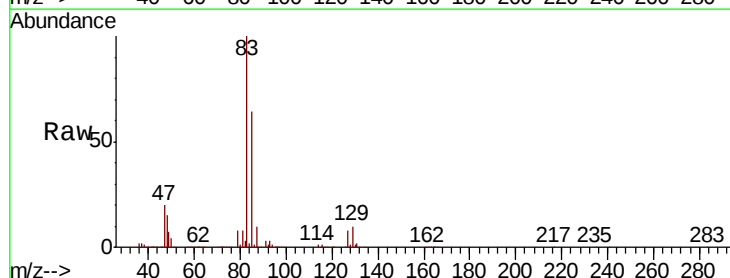
Tgt Ion: 83 Resp: 2304190

Ion Ratio Lower Upper

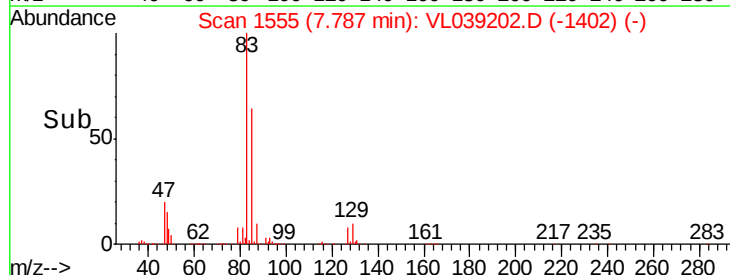
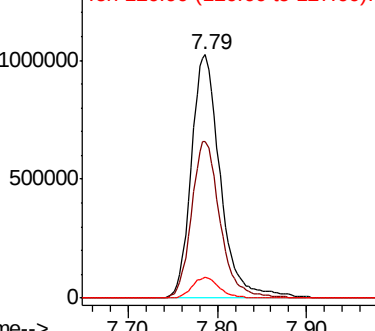
83 100

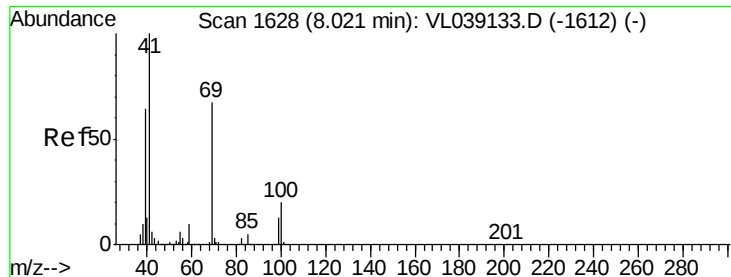
85 64.2 50.2 75.4

127 8.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

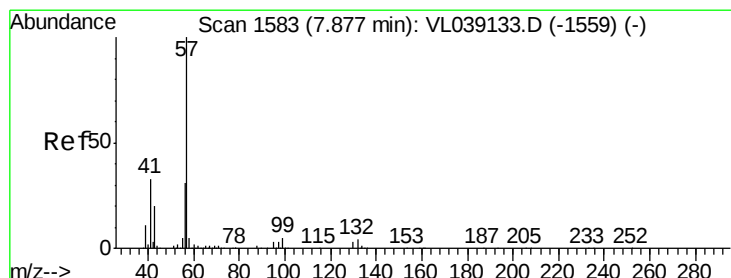
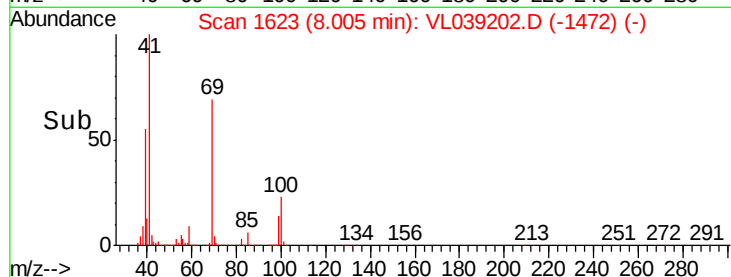
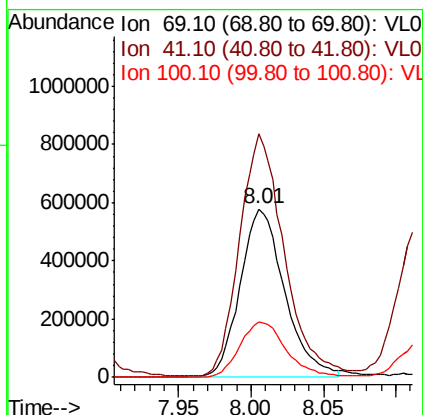
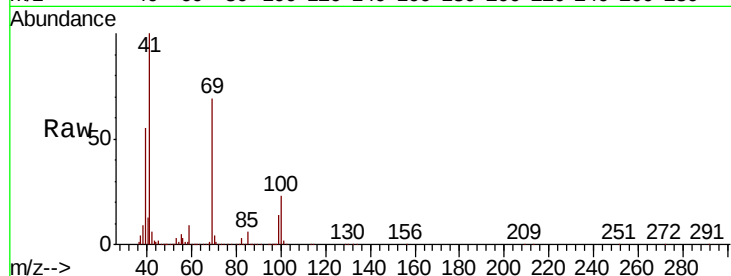




#43
Methvl Methacrilate
Concen: 11.388 ppbv
RT: 8.01
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 3:18

Tot Ion: 69 Resp: 1239226

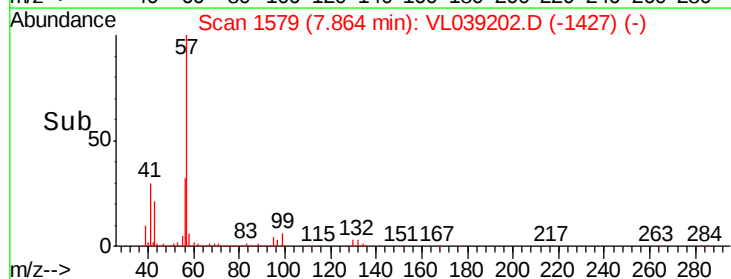
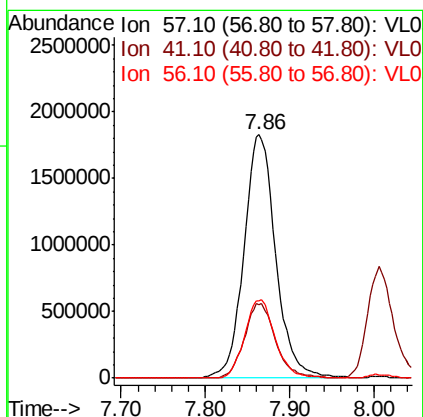
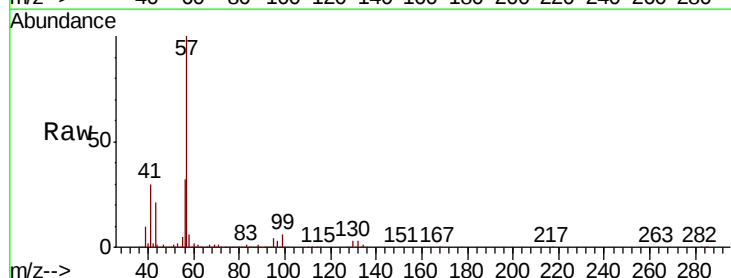
Ion	Ratio	Lower	Upper
69	100		
41	145.2	121.9	182.9
100	34.6	24.1	36.1

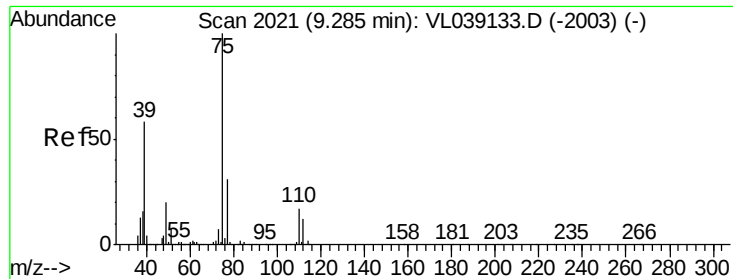


#44
2,2,4-Trimethylpentane
Concen: 9.766 ppbv
RT: 7.86 min Scan# 1579
Delta R.T.: -0.01 min
Lab File: VL039202.D
Acq: 7 Jun 2022 3:18

Tgt Ion: 57 Resp: 4772477

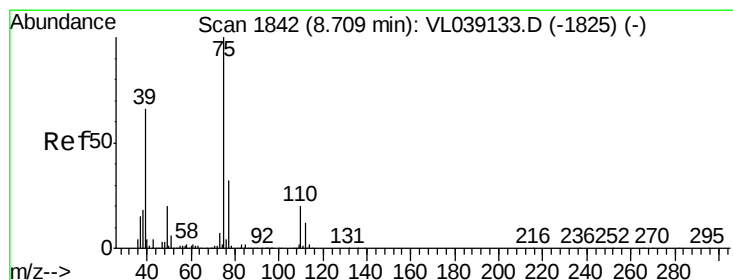
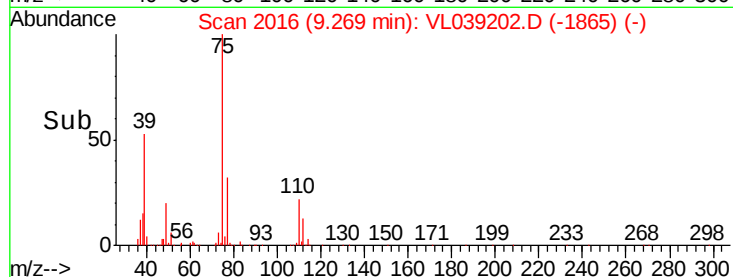
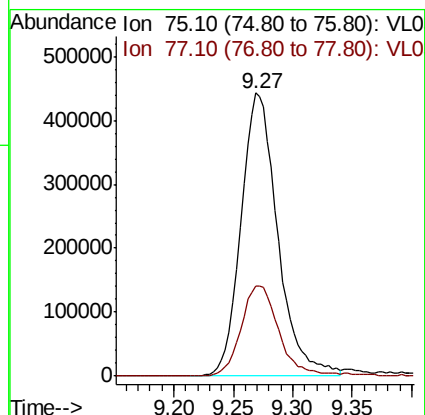
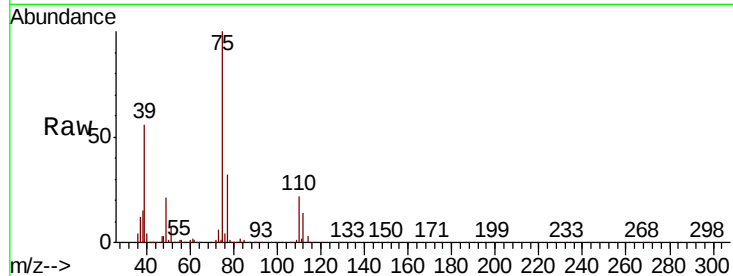
Ion	Ratio	Lower	Upper
57	100		
41	30.1	26.2	39.4
56	31.2	24.7	37.1





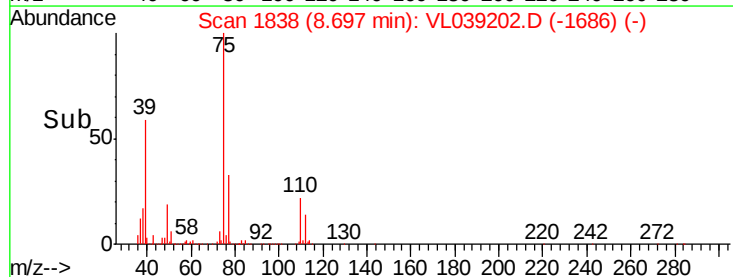
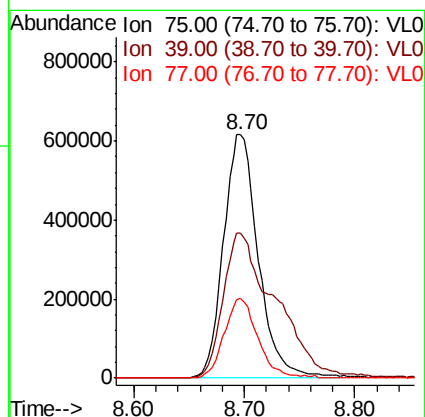
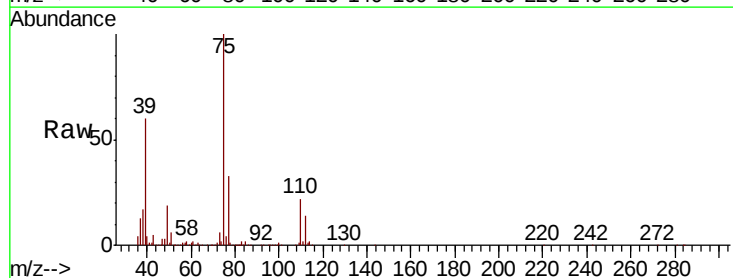
#45
t-1,3-Dichloropropene
Concen: 8.350 ppbv
RT: 9.27
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 3:18

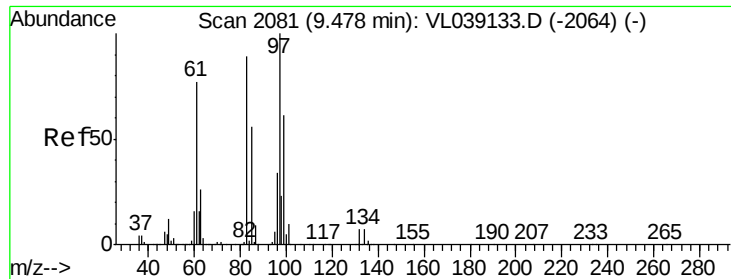
Tot Ion: 75 Resp: 946302
Ion Ratio Lower Upper
75 100
77 31.9 24.4 36.6



#46
cis-1,3-Dichloropropene
Concen: 8.950 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.01 min
Lab File: VL039202.D
Acq: 7 Jun 2022 3:18

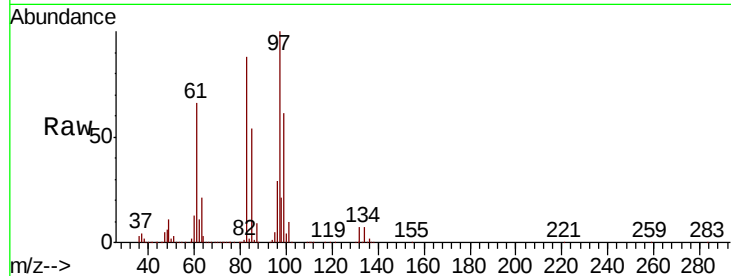
Tgt Ion: 75 Resp: 1339942
Ion Ratio Lower Upper
75 100
39 59.6 52.4 78.6
77 32.7 25.5 38.3





#47
 1,1,2-Trichloroethane
 Concen: 10.671 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 3:18

Tot Ion:	97	Resp:	1237090
Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.6	107.4
85	54.4	44.8	67.2
99	60.5	49.0	73.4



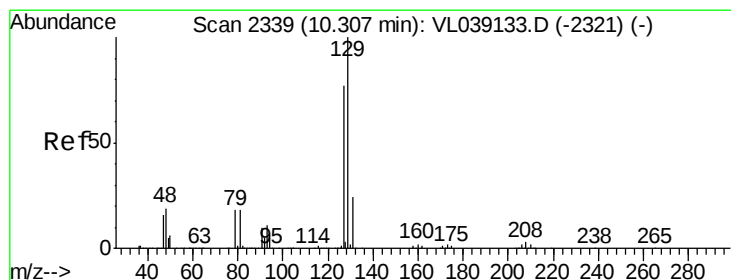
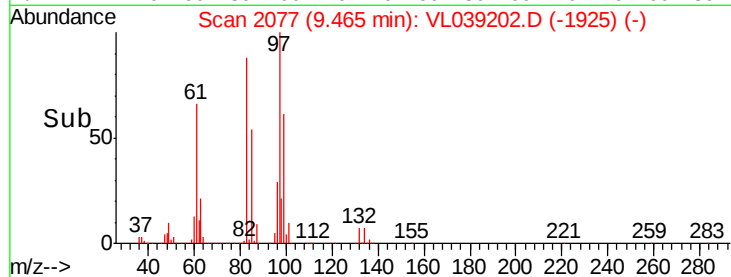
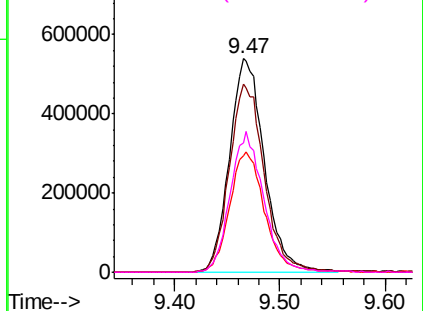
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

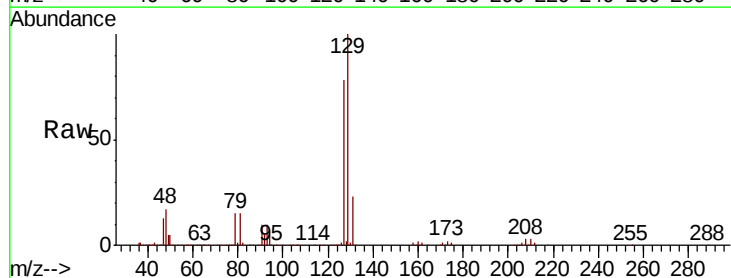
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 9.723 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

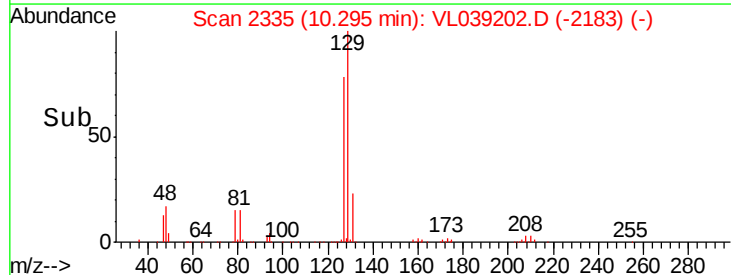
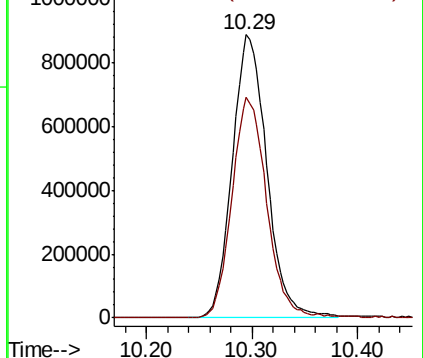
Tgt Ion:	129	Resp:	2012537
Ion	Ratio	Lower	Upper
129	100		
127	79.3	40.0	119.9

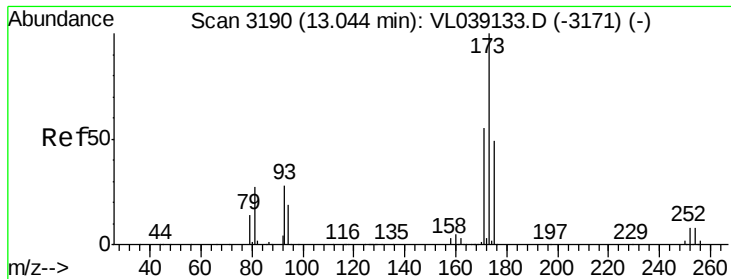


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.866 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Jun 2022 3:18

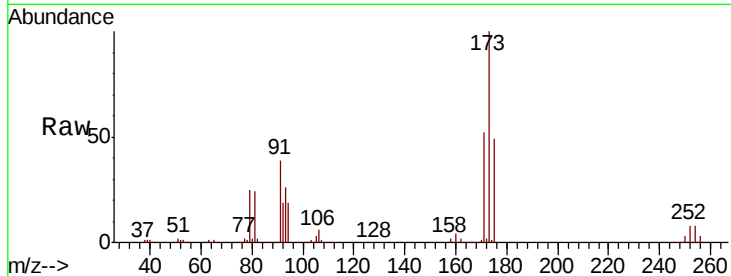
Tot Ion:173 Resp: 1701912

Ion Ratio Lower Upper

173 100

175 50.4 40.2 60.2

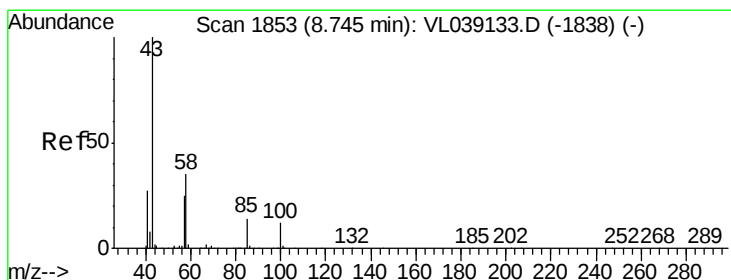
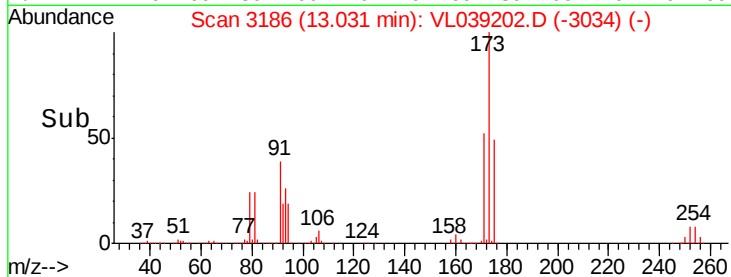
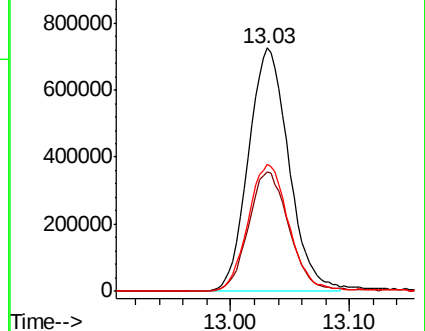
171 54.1 43.9 65.9



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: 10.396 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.01 min

Lab File: VL039202.D

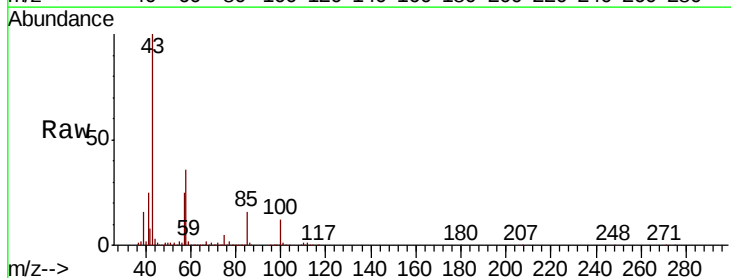
Acq: 7 Jun 2022 3:18

Tgt Ion: 43 Resp: 2909077

Ion Ratio Lower Upper

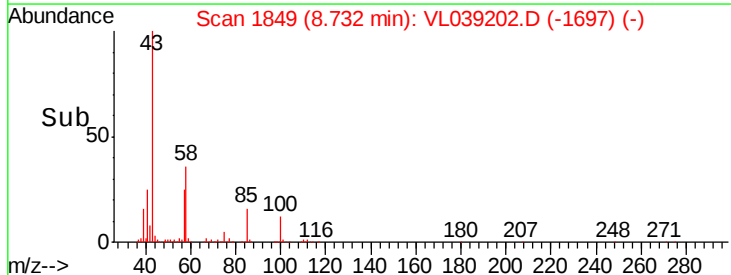
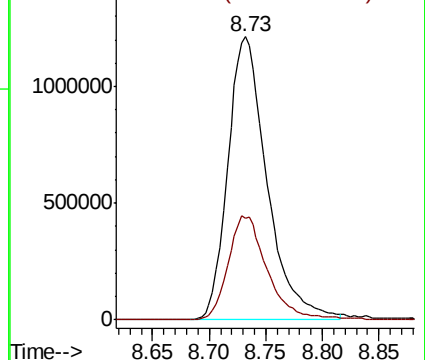
43 100

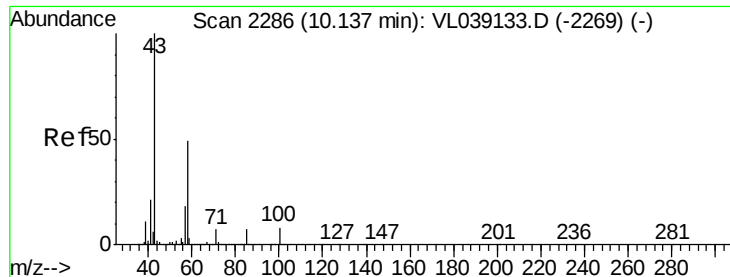
58 37.4 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

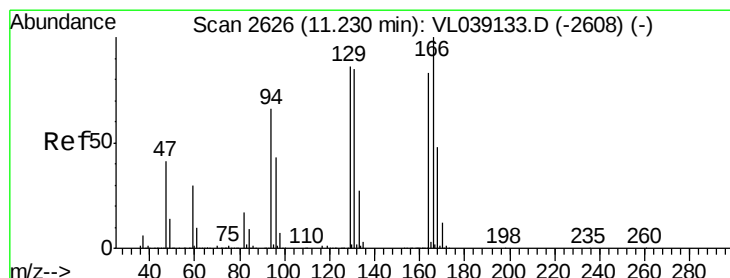
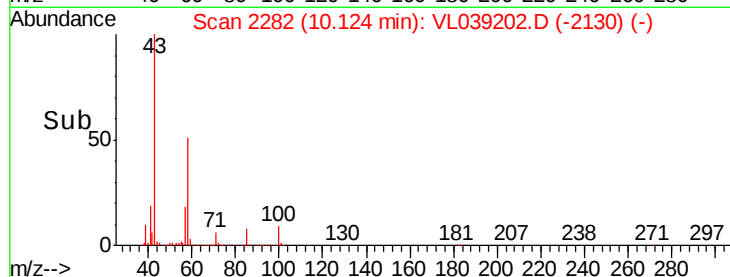
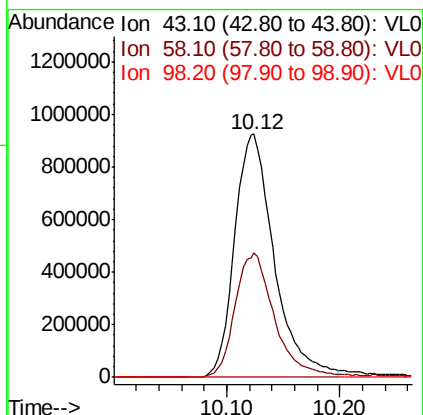
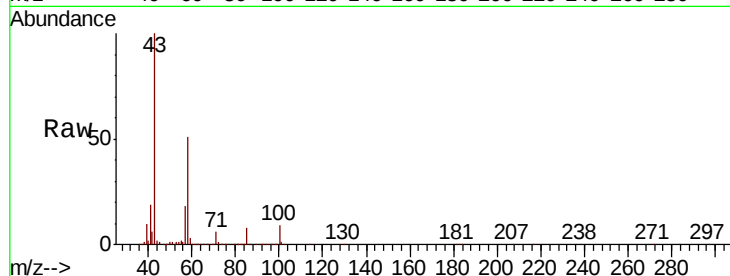




#51
2-Hexanone
Concen: 10.315 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 3:18

Tot Ion: 43 Resp: 2246007

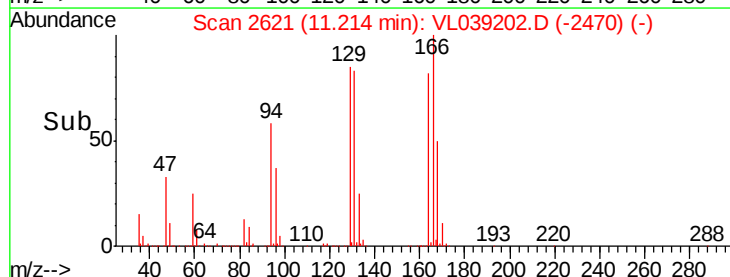
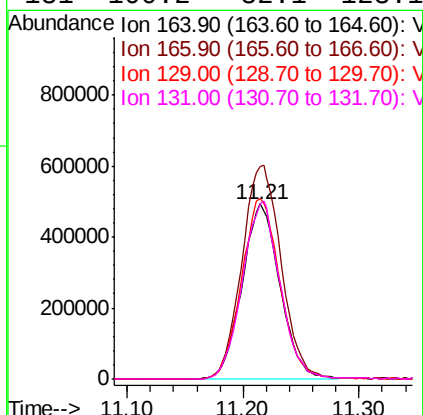
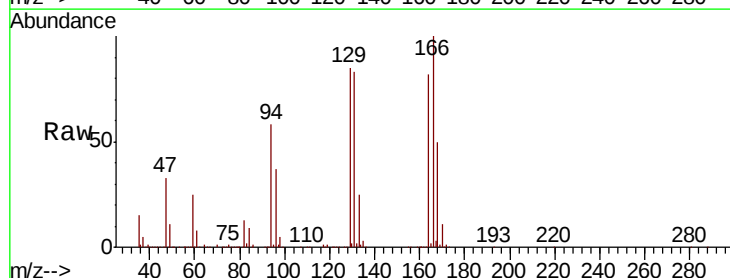
Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.0	60.0
98	0.1	0.1	0.1#

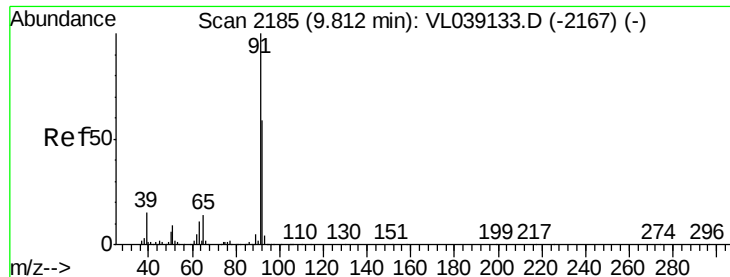


#52
Tetrachloroethene
Concen: 10.250 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.02 min
Lab File: VL039202.D
Acq: 7 Jun 2022 3:18

Tgt Ion: 164 Resp: 1117977

Ion	Ratio	Lower	Upper
164	100		
166	121.2	96.3	144.5
129	102.9	82.5	123.7
131	100.2	82.1	123.1





#53

Toluene

Concen: 10.851 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

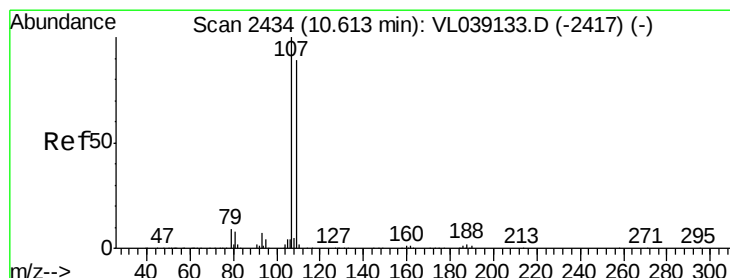
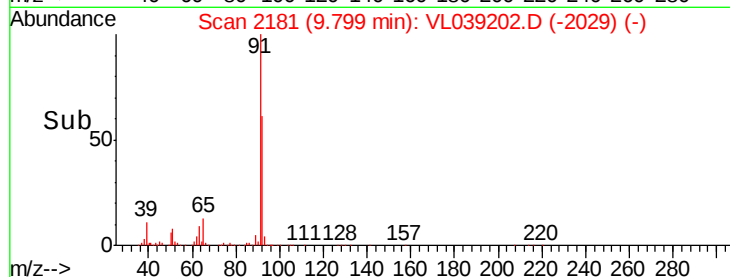
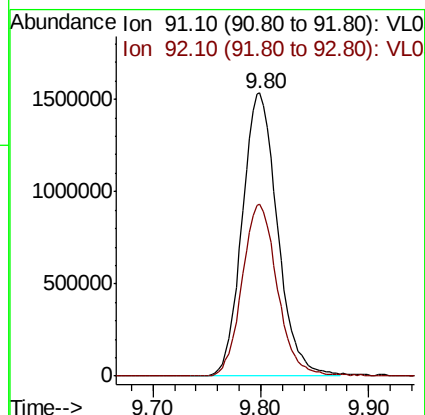
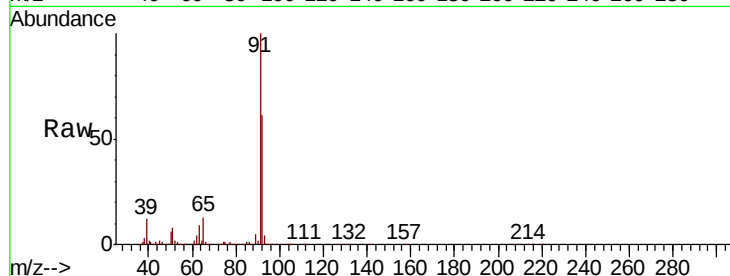
Acq: 7 Jun 2022 3:18

Tot Ion: 91 Resp: 3490479

Ion Ratio Lower Upper

91 100

92 60.8 48.1 72.1



#54

1,2-Dibromoethane

Concen: 11.118 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL039202.D

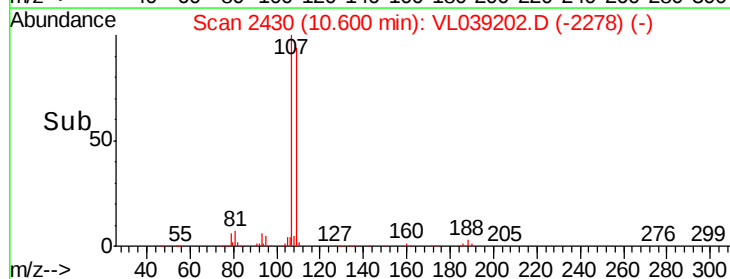
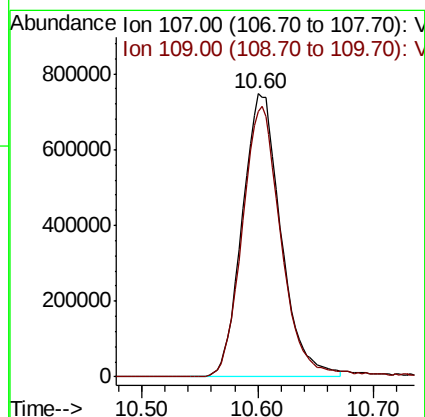
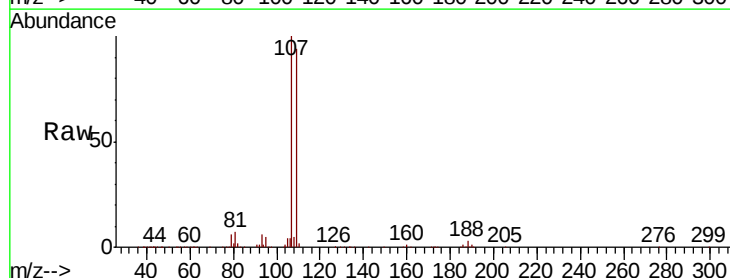
Acq: 7 Jun 2022 3:18

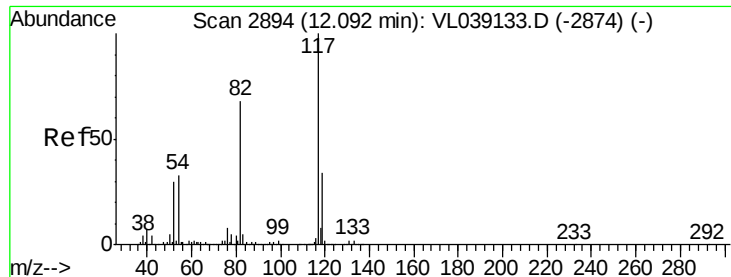
Tgt Ion: 107 Resp: 1731868

Ion Ratio Lower Upper

107 100

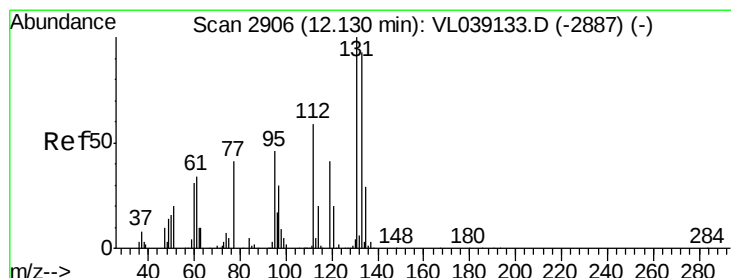
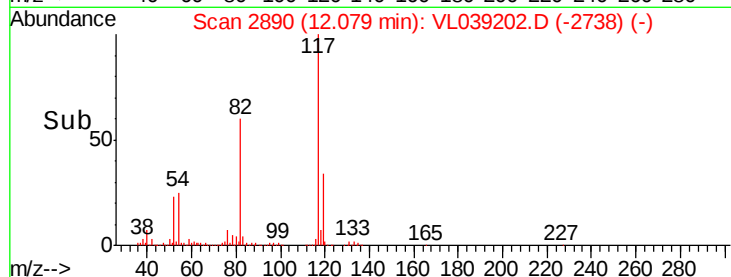
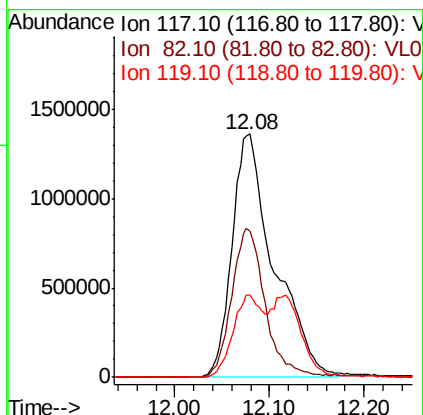
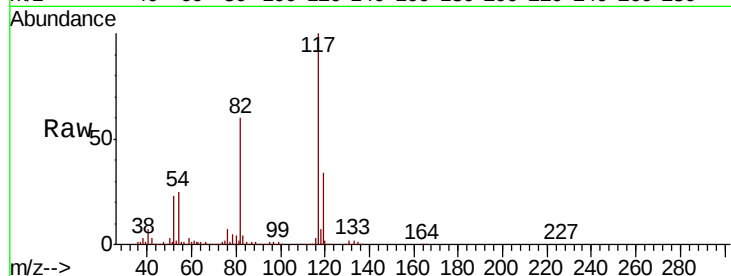
109 94.0 71.4 107.0





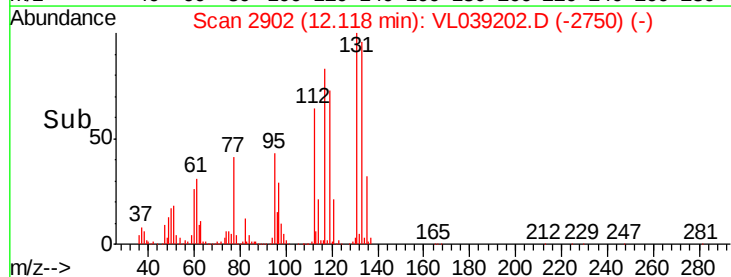
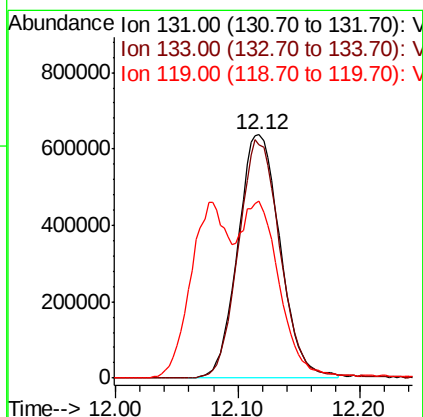
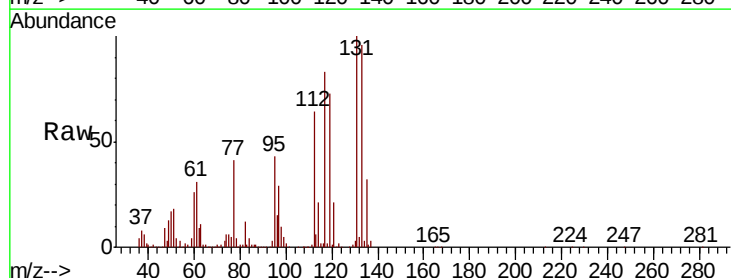
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 3:18

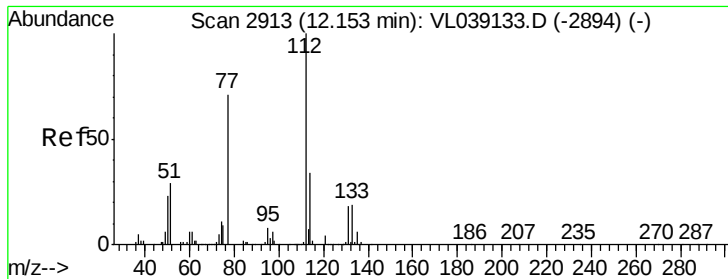
Tot Ion:117 Resp: 4200355
Ion Ratio Lower Upper
117 100
82 49.6 55.1 82.7#
119 24.9 24.7 37.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.677 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL039202.D
Acq: 7 Jun 2022 3:18

Tgt Ion:131 Resp: 1525769
Ion Ratio Lower Upper
131 100
133 97.4 78.6 117.8
119 74.5 51.7 77.5

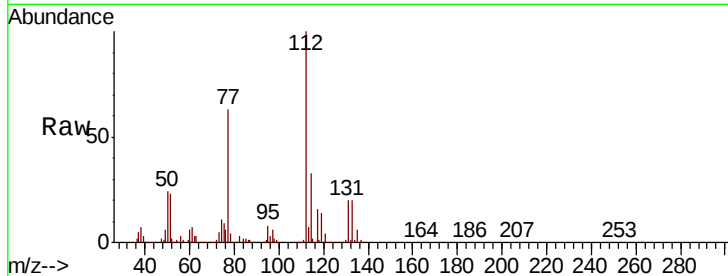




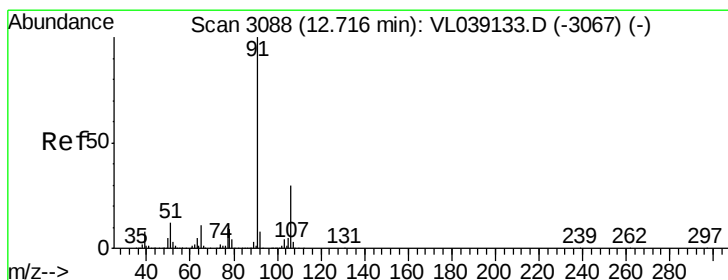
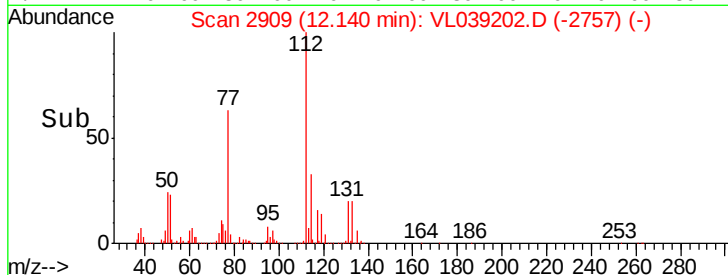
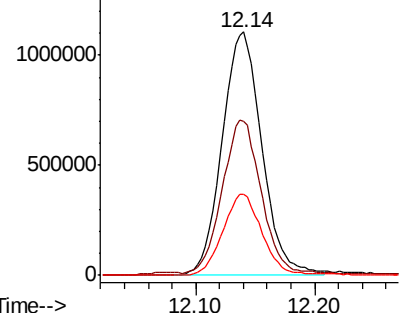
#57
Chlorobenzene
Concen: 8.077 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 3:18

Tot Ion: 112 Resp: 2552780

Ion	Ratio	Lower	Upper
112	100		
77	62.3	56.5	84.7
114	33.3	30.3	37.1



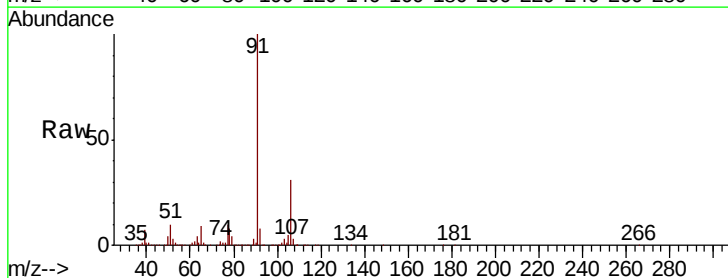
Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V



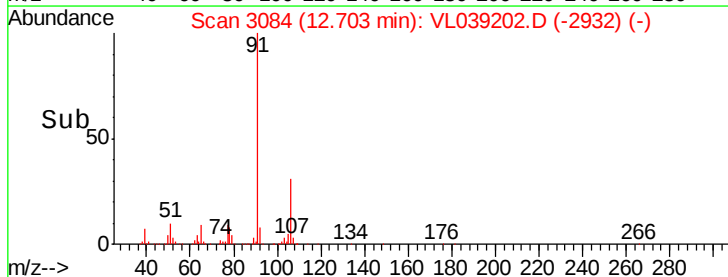
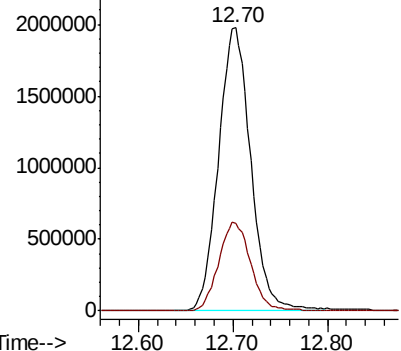
#58
Ethyl Benzene
Concen: 8.092 ppbv
RT: 12.70 min Scan# 3084
Delta R.T.: -0.01 min
Lab File: VL039202.D
Acq: 7 Jun 2022 3:18

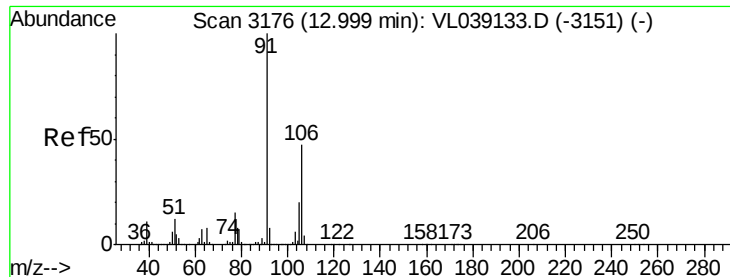
Tgt Ion: 91 Resp: 4682115

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.2	36.4



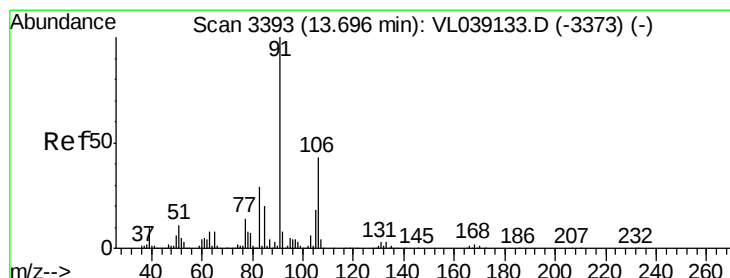
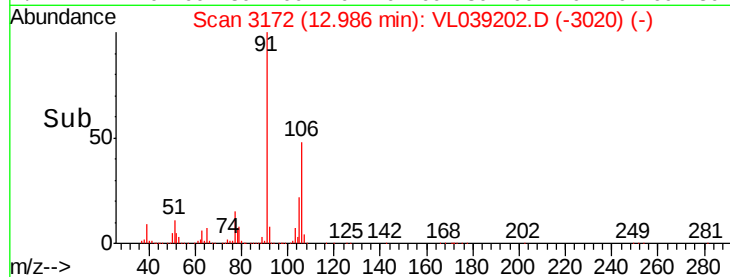
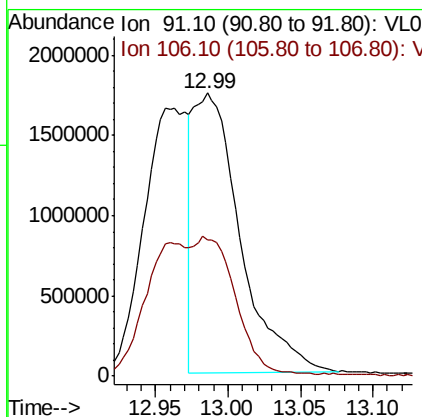
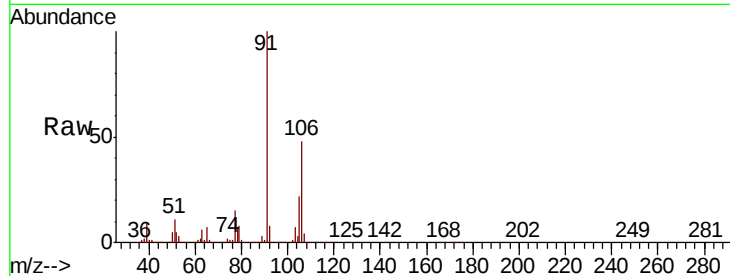
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





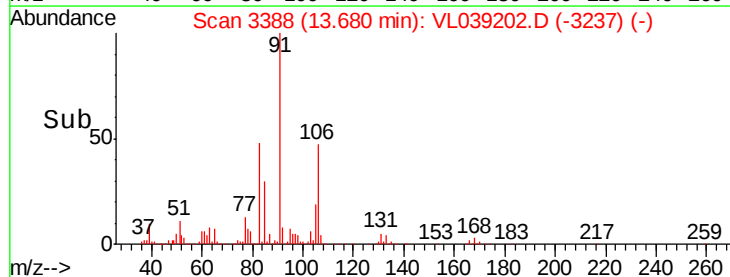
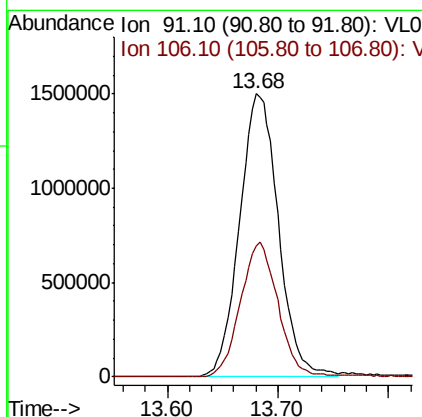
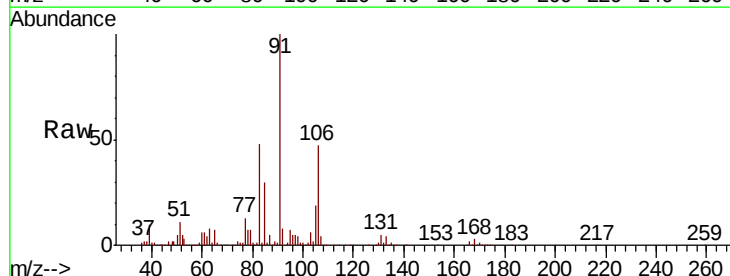
#59
m/p-Xylene
Concen: 7.688 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 7 Jun 2022 3:18

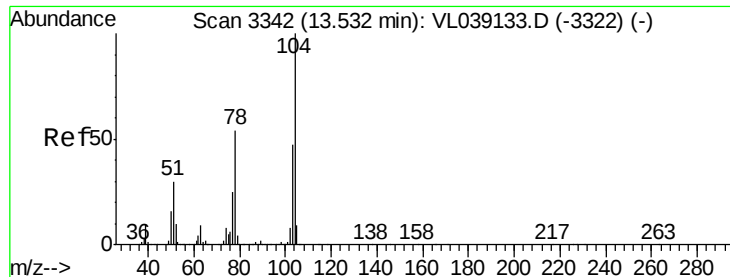
Tot Ion: 91 Resp: 3917150
Ion Ratio Lower Upper
91 100
106 90.5 34.3 51.5#



#60
o-Xylene
Concen: 7.620 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL039202.D
Acq: 7 Jun 2022 3:18

Tgt Ion: 91 Resp: 3648163
Ion Ratio Lower Upper
91 100
106 46.6 22.3 66.9

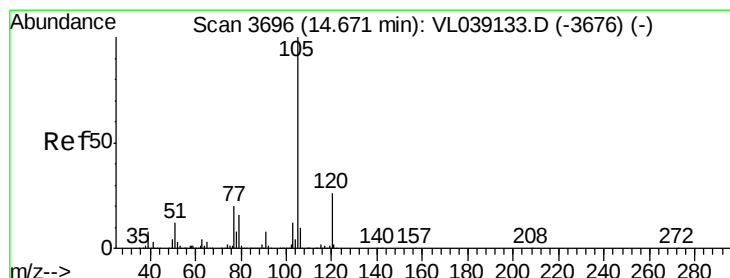
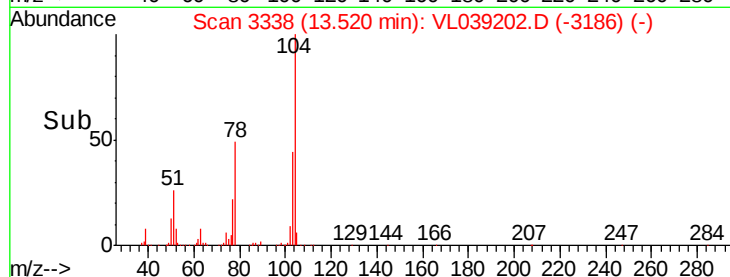
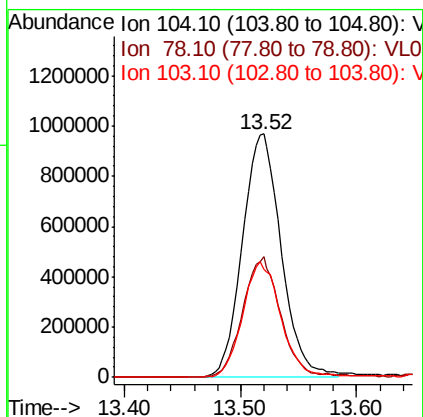
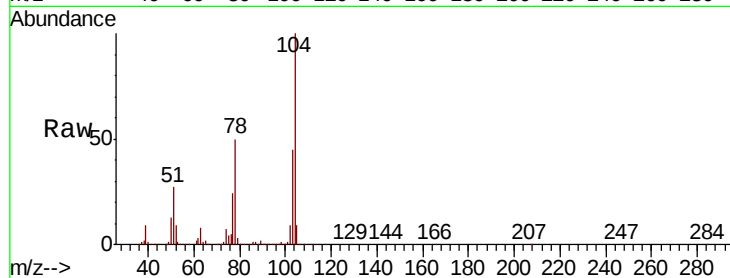




#61
Stvrene
Concen: 8.793 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 3:18

Tot Ion:104 Resp: 2254281

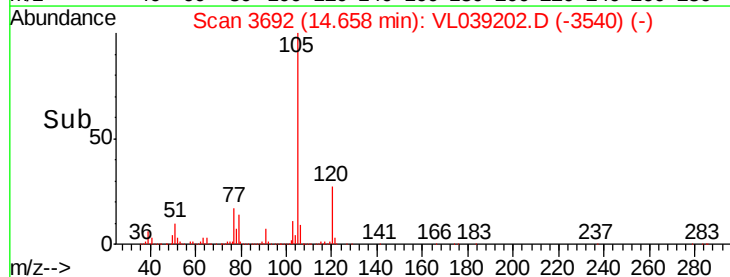
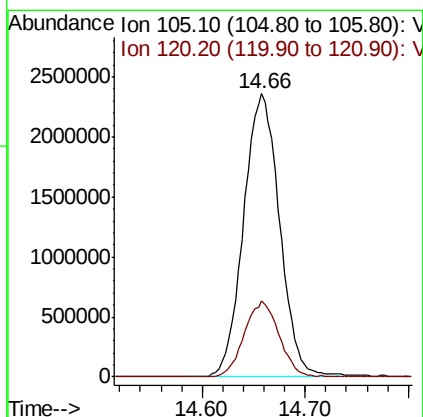
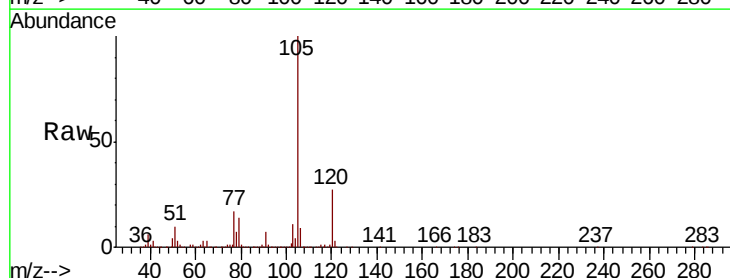
Ion	Ratio	Lower	Upper
104	100		
78	48.9	45.7	68.5
103	47.5	39.6	59.4

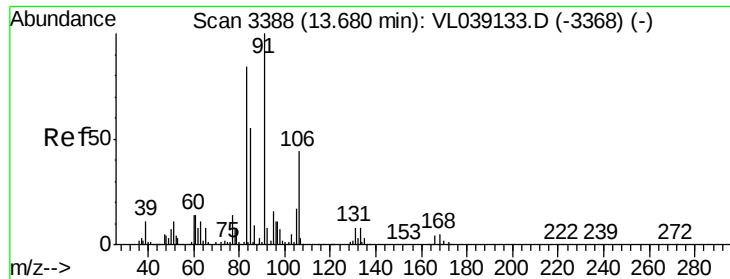


#62
Isopropylbenzene
Concen: 8.031 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.01 min
Lab File: VL039202.D
Acq: 7 Jun 2022 3:18

Tgt Ion:105 Resp: 5714405

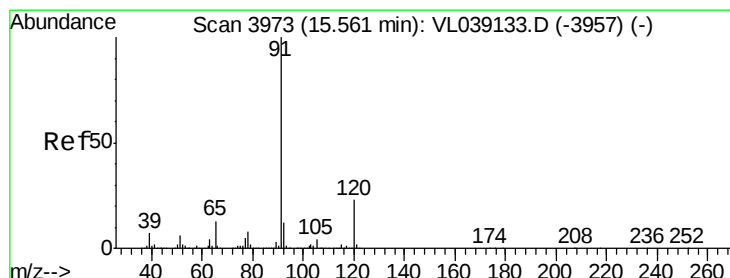
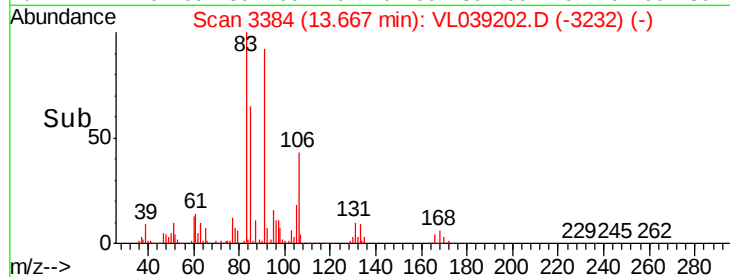
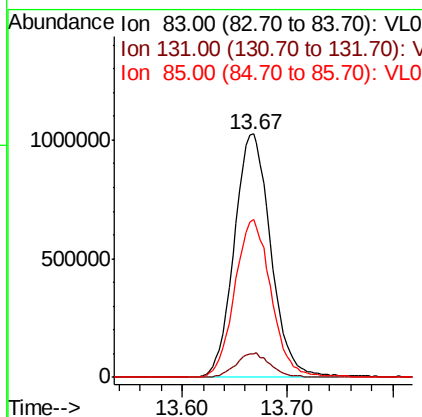
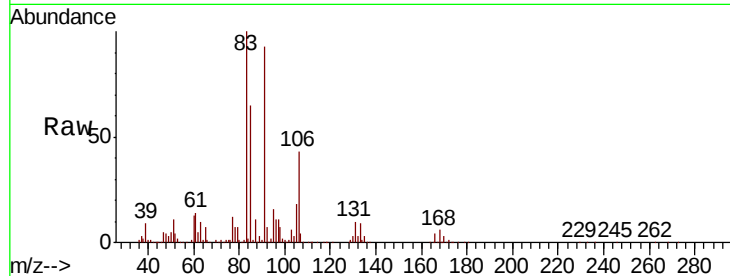
Ion	Ratio	Lower	Upper
105	100		
120	26.2	20.3	30.5





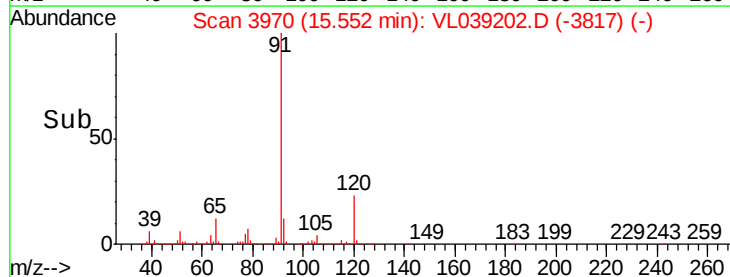
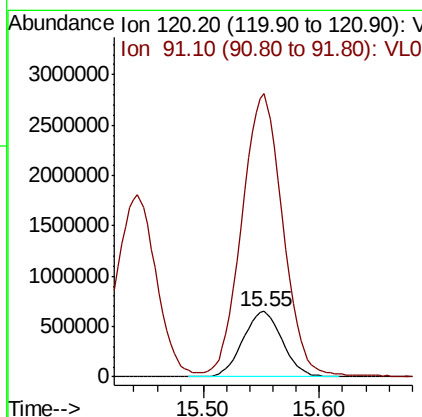
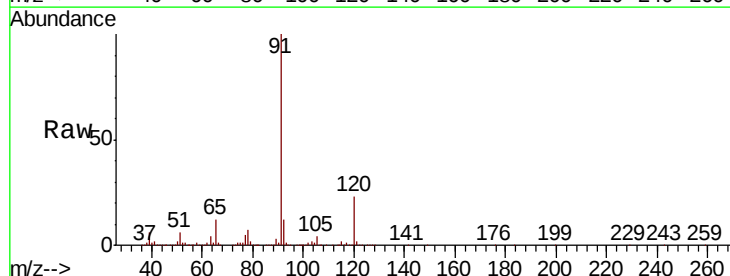
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.183 ppbv
 RT: 13.67 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 3:18

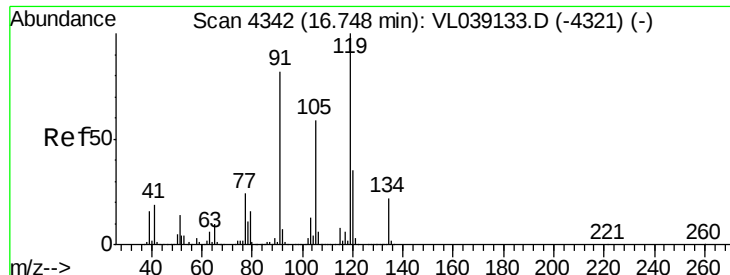
Tot Ion: 83 Resp: 2467799
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.8 14.3
 85 65.1 33.0 99.0



#64
 n-propylbenzene
 Concen: 8.819 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

Tgt Ion: 120 Resp: 1542652
 Ion Ratio Lower Upper
 120 100
 91 449.4 388.4 582.6





#65

tert-Butylbenzene

Concen: 7.714 ppbv

RT: 16.73 min

Delta R.T. MSVOA_L

Lab File:

Client Sample Id:

Acq: 7 Jun 2022 3:18

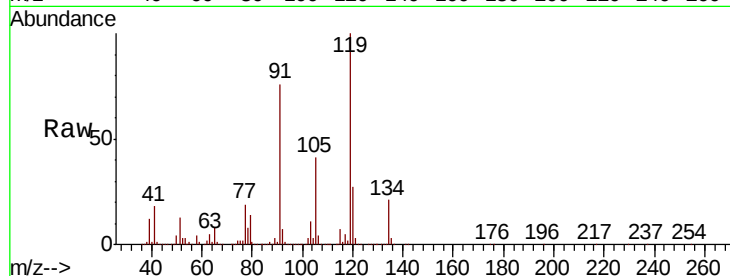
Tot Ion: 119 Resp: 5019694

Ion Ratio Lower Upper

119 100

91 77.6 67.1 100.7

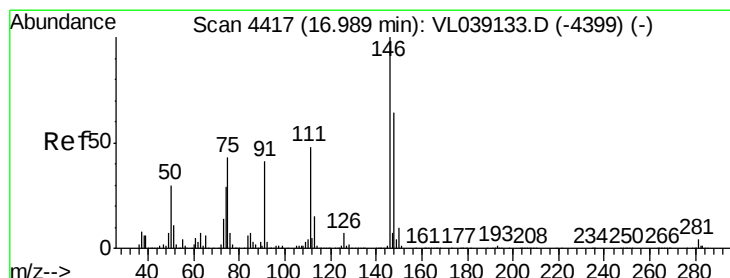
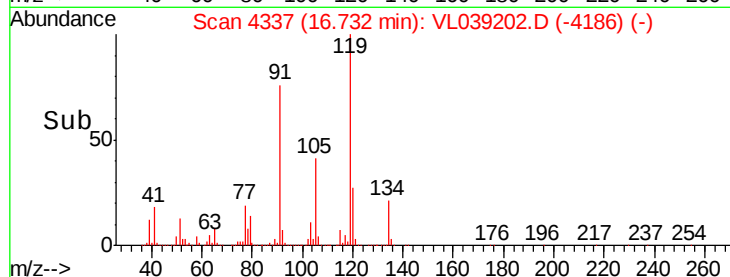
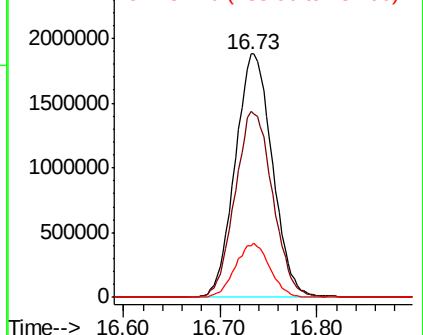
134 20.7 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 4.435 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

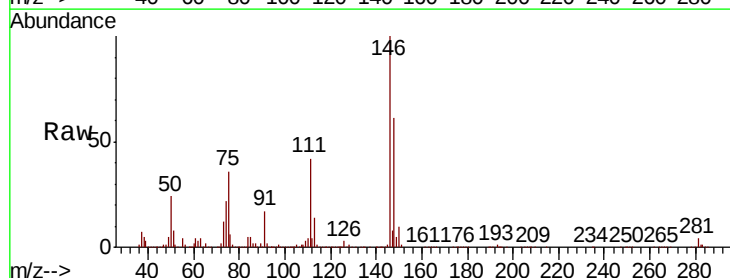
Tgt Ion: 91 Resp: 375260

Ion Ratio Lower Upper

91 100

126 17.0 13.4 20.0

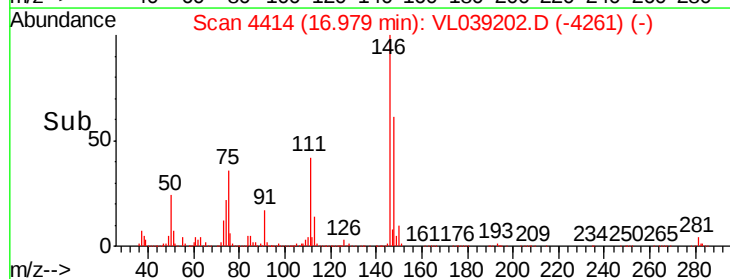
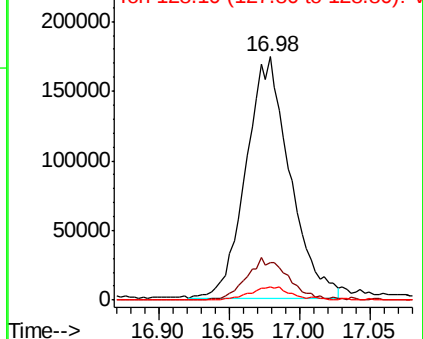
128 5.7 4.1 6.1

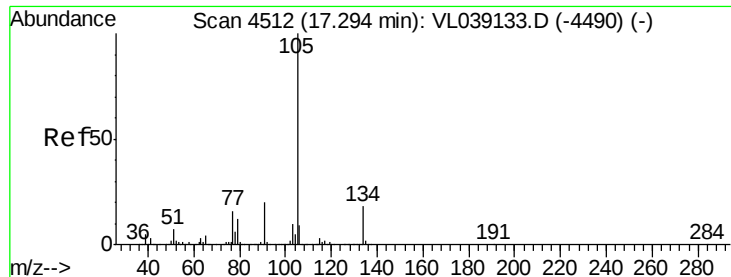


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.063 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

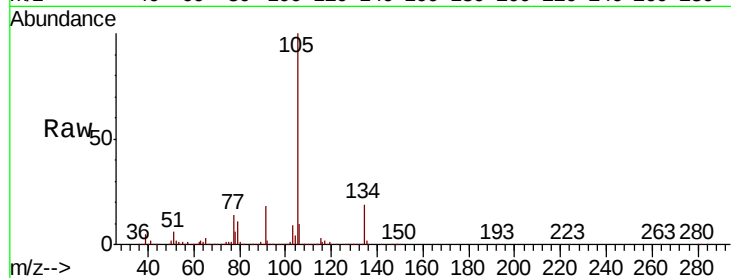
Acq: 7 Jun 2022 3:18

Tot Ion: 105 Resp: 7158742

Ion Ratio Lower Upper

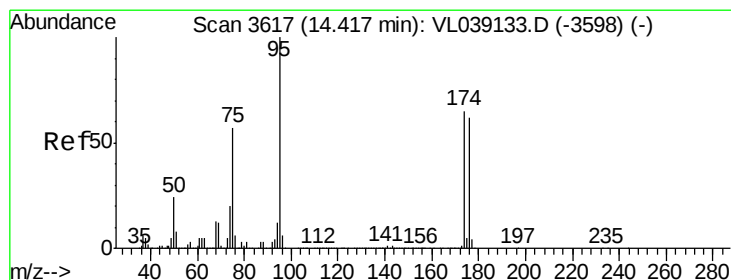
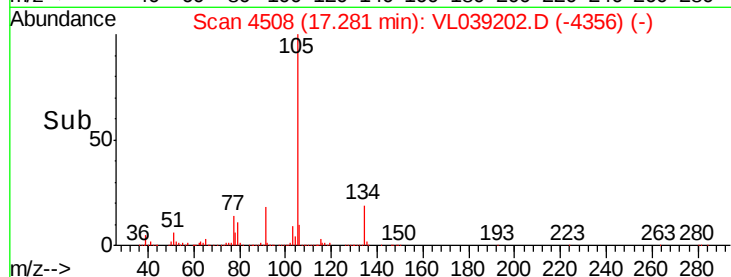
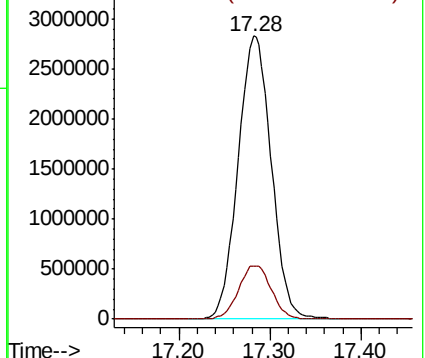
105 100

134 18.8 14.4 21.6



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: 7.123 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

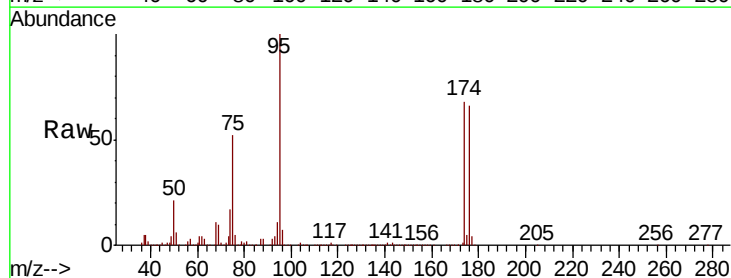
Tgt Ion: 95 Resp: 2473583

Ion Ratio Lower Upper

95 100

174 70.2 53.8 80.8

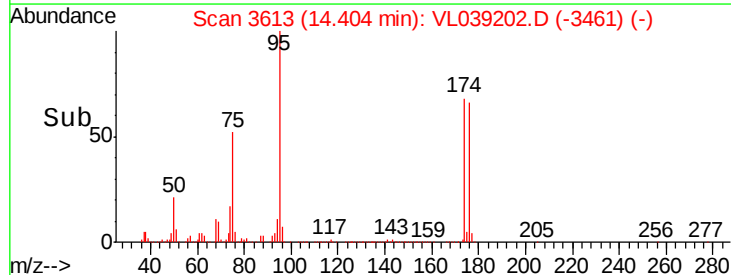
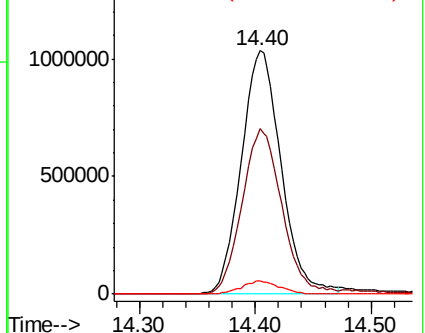
175 5.4 4.1 6.1

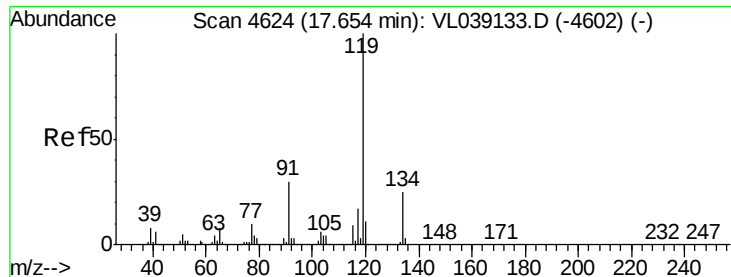


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

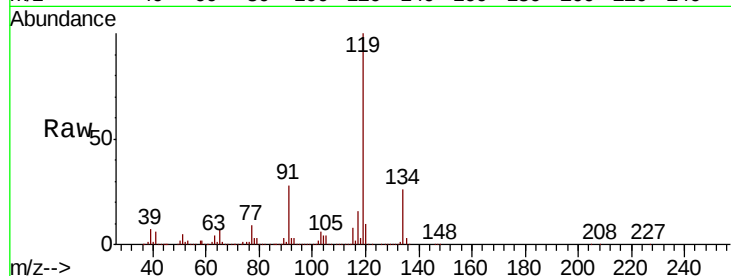
Ion 175.00 (174.70 to 175.70): V



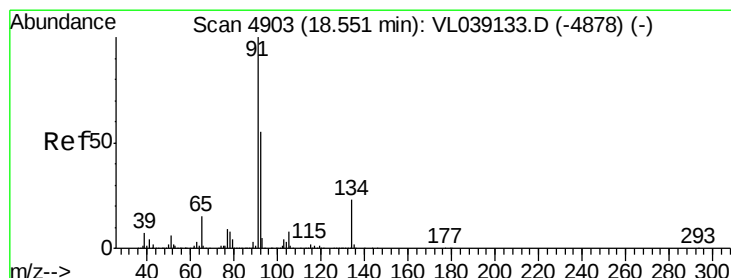
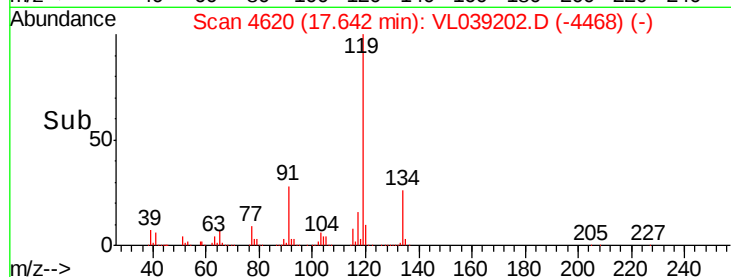
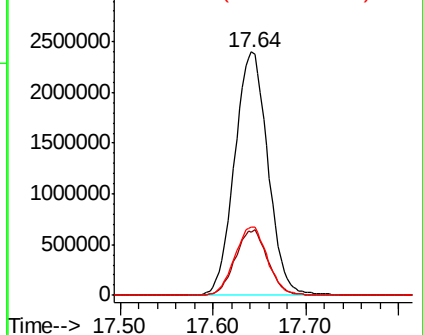


#69
 p-Isopropyltoluene
 Concen: 8.000 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 3:18

Tot Ion: 119 Resp: 5992430
 Ion Ratio Lower Upper
 119 100
 134 26.4 20.4 30.6
 91 27.7 24.2 36.4

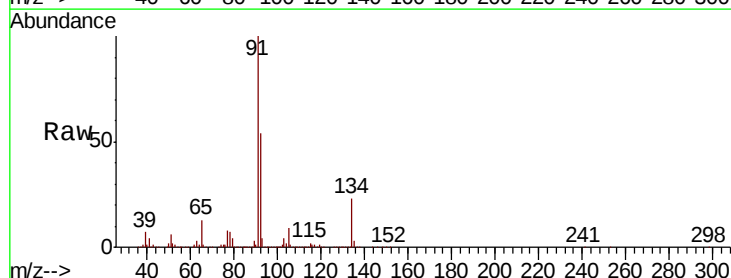


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

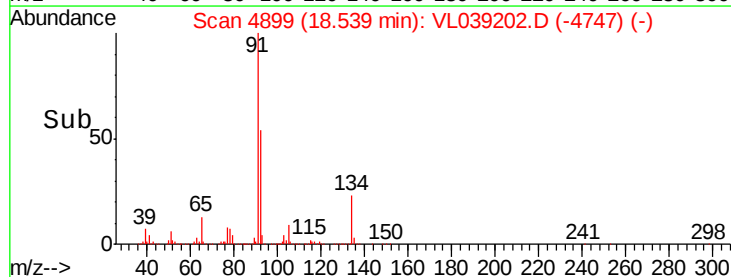
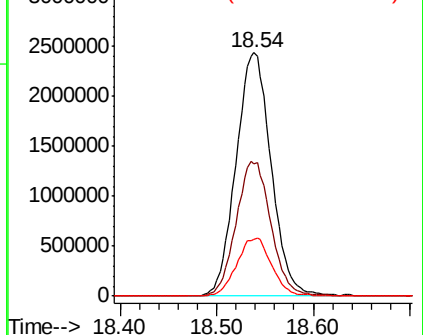


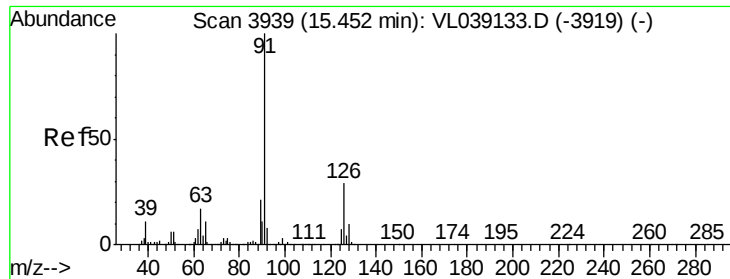
#70
 n-Butylbenzene
 Concen: 8.004 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

Tgt Ion: 91 Resp: 6153596
 Ion Ratio Lower Upper
 91 100
 92 55.1 43.6 65.4
 134 23.7 17.7 26.5



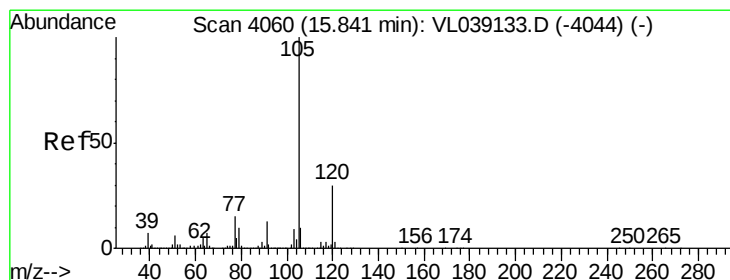
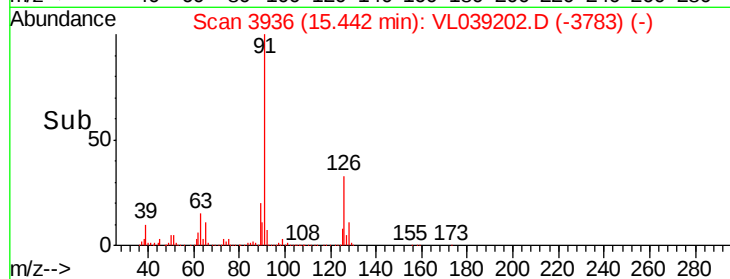
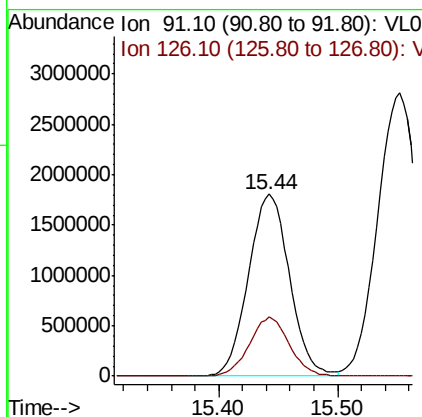
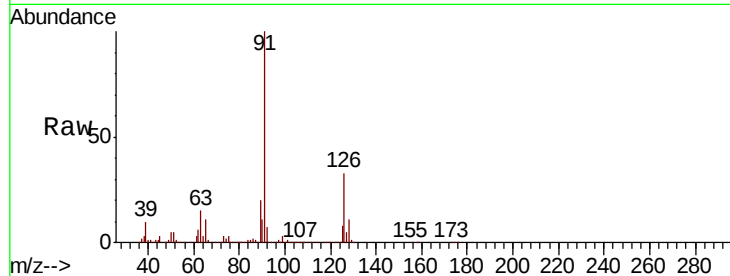
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





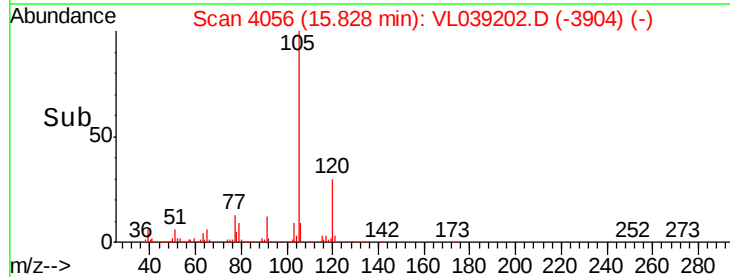
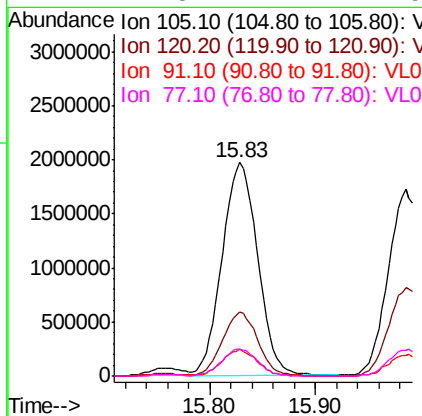
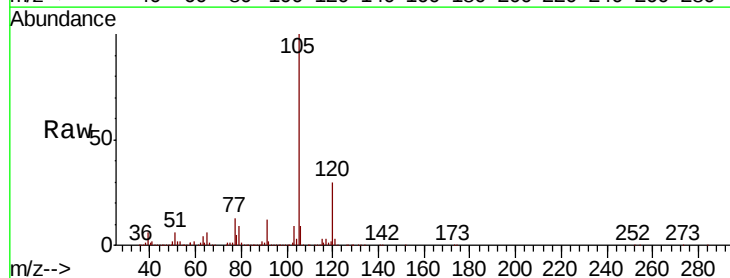
#71
 2-Chlorotoluene
 Concen: 7.955 ppbv
 RT: 15.44
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 7 Jun 2022 3:18

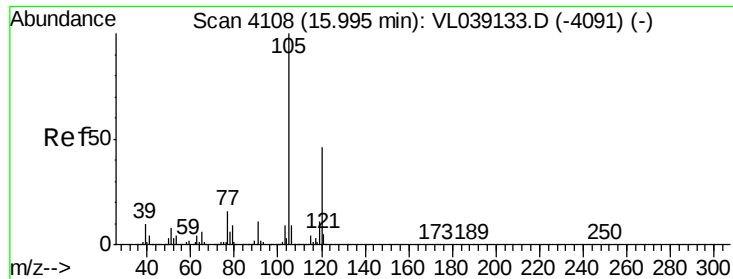
Tot Ion: 91 Resp: 4316871
 Ion Ratio Lower Upper
 91 100
 126 32.0 12.2 48.6



#72
 4-Ethyltoluene
 Concen: 8.223 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. -0.01 min
 Lab File: VL039202.D
 Acq: 7 Jun 2022 3:18

Tgt Ion:105 Resp: 4613905
 Ion Ratio Lower Upper
 105 100
 120 30.0 23.9 35.9
 91 12.2 10.6 16.0
 77 12.8 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 8.024 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

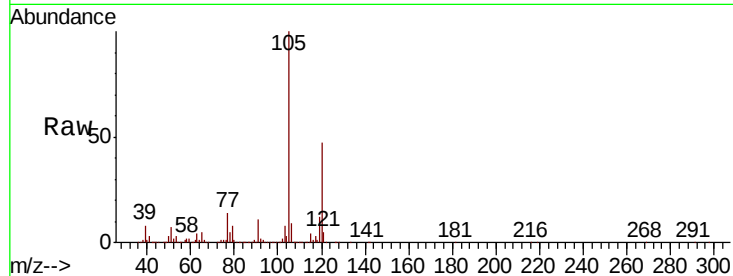
Acq: 7 Jun 2022 3:18

Tot Ion:105 Resp: 4061050

Ion Ratio Lower Upper

105 100

120 47.5 36.7 55.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

2000000

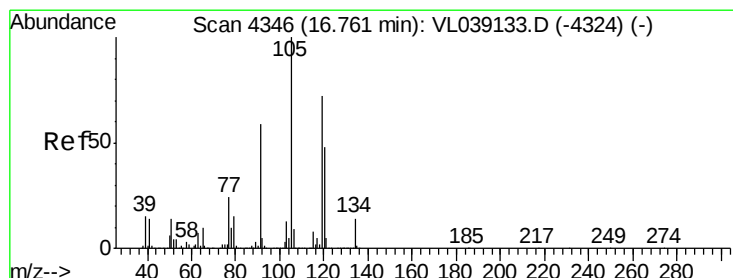
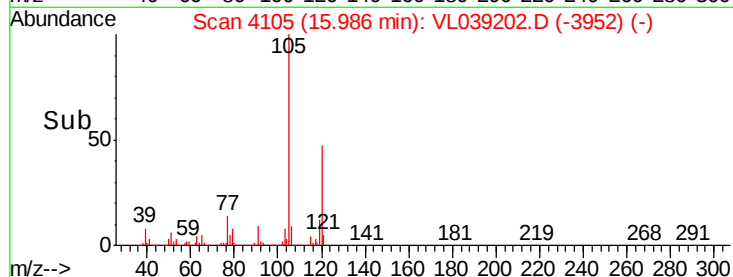
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.586 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

Tgt Ion:105 Resp: 4284547

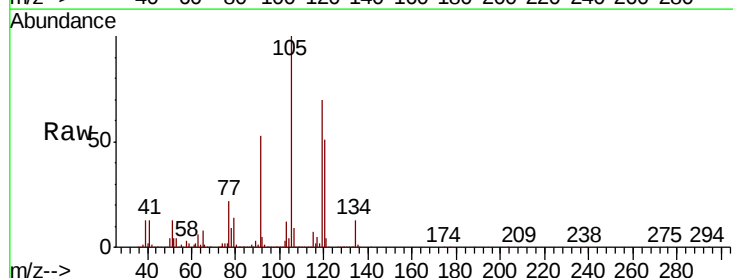
Ion Ratio Lower Upper

105 100

120 51.0 38.1 57.1

91 52.2 47.4 71.0

77 21.5 19.5 29.3



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

2500000

2000000

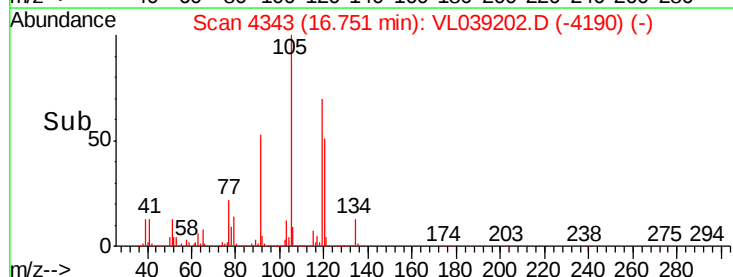
1500000

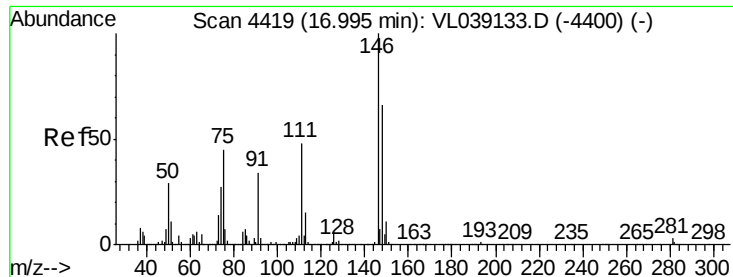
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.187 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Jun 2022 3:18

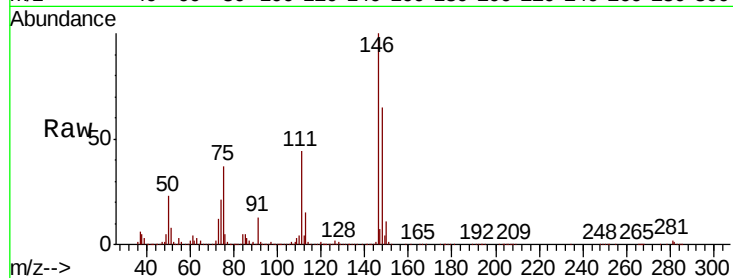
Tot Ion:146 Resp: 2617122

Ion Ratio Lower Upper

146 100

111 45.2 23.8 71.4

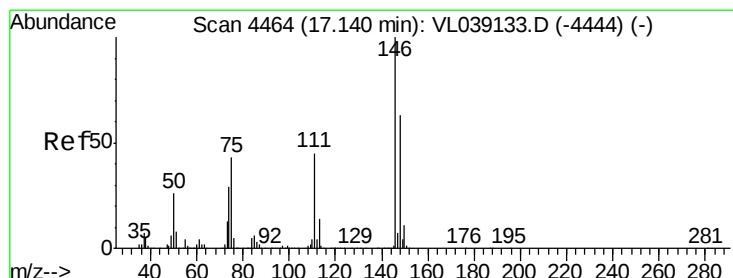
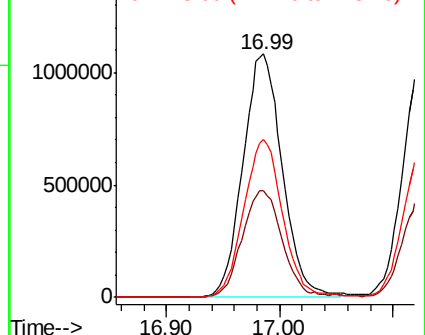
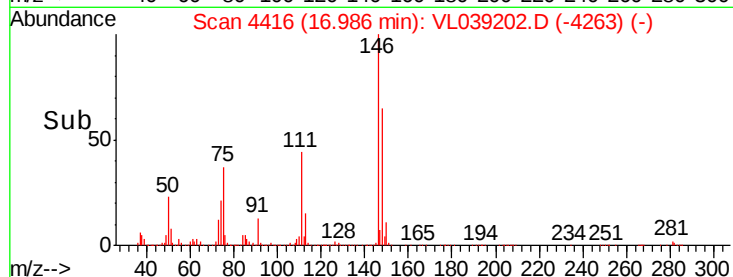
148 64.4 32.4 97.0



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: 7.879 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.02 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

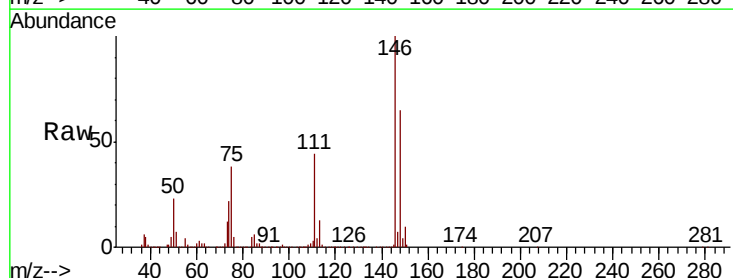
Tgt Ion:146 Resp: 2513025

Ion Ratio Lower Upper

146 100

111 44.8 23.6 71.0

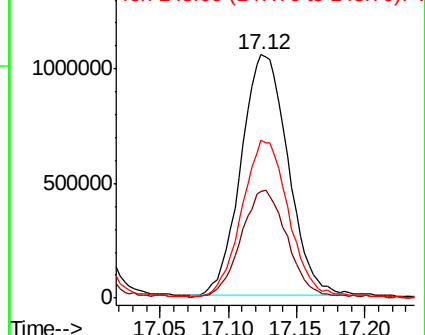
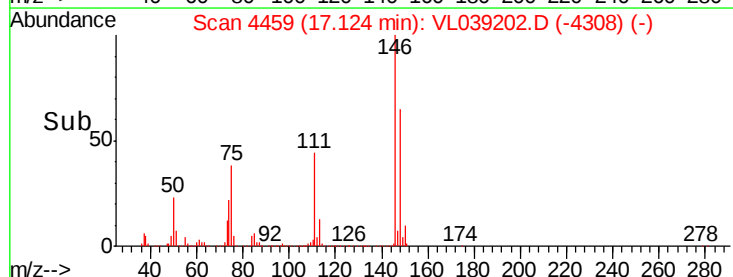
148 66.4 33.7 101.0

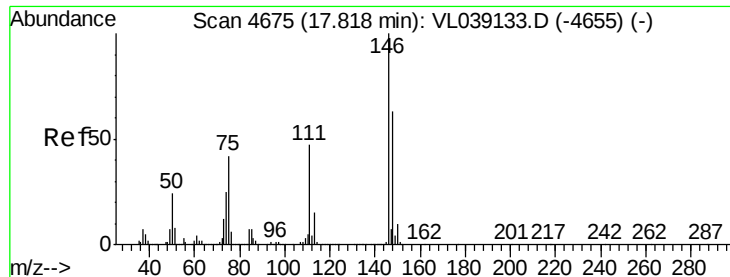


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.983 ppbv

RT: 17.81 min

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Jun 2022 3:18

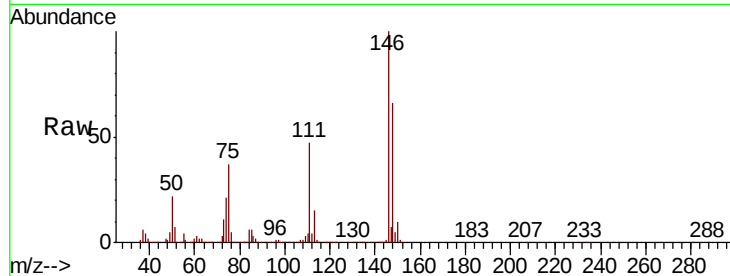
Tot Ion:146 Resp: 2572085

Ion Ratio Lower Upper

146 100

111 46.6 24.4 73.4

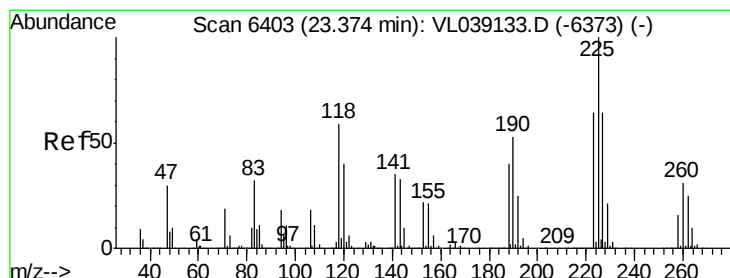
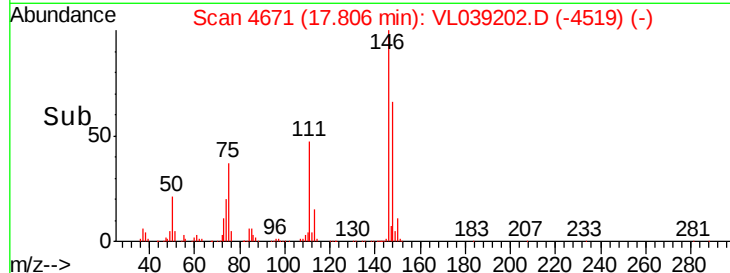
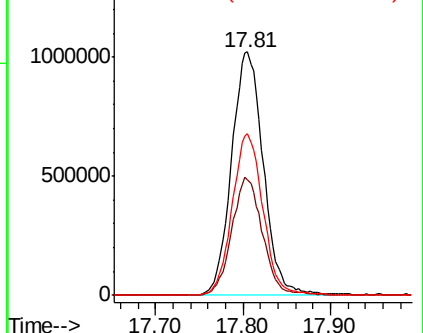
148 64.5 32.1 96.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.761 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. -0.01 min

Lab File: VL039202.D

Acq: 7 Jun 2022 3:18

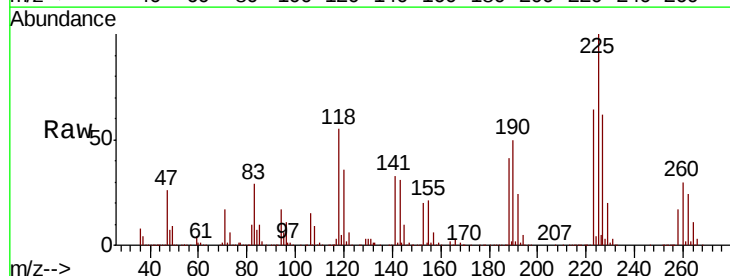
Tgt Ion:225 Resp: 1991942

Ion Ratio Lower Upper

225 100

223 63.8 51.4 77.0

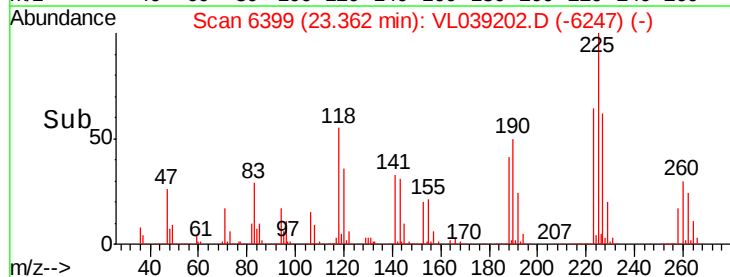
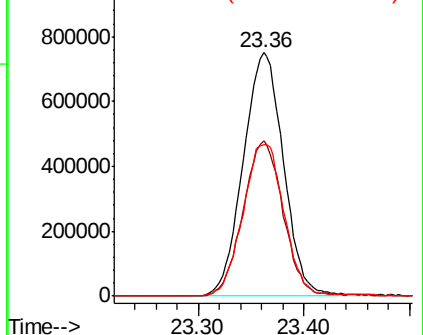
227 64.5 50.6 75.8

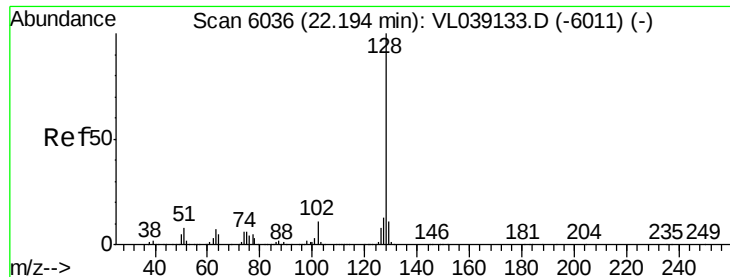


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

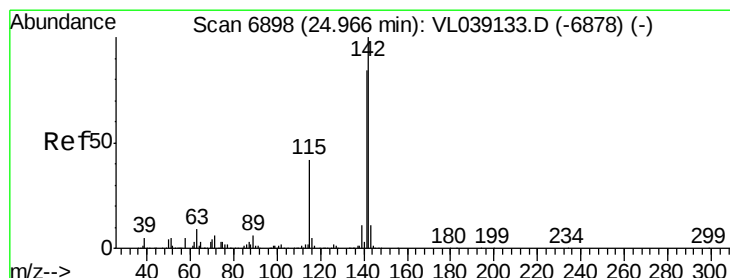
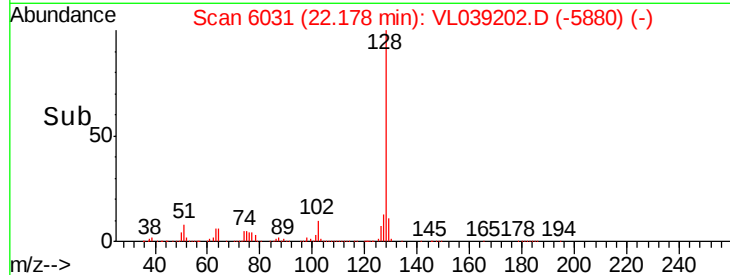
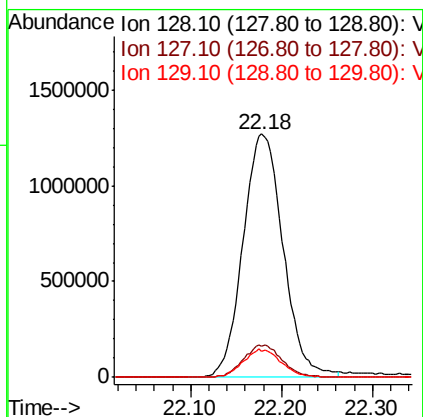
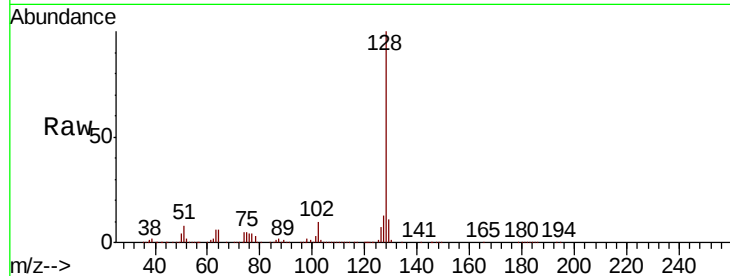




#79
Naphthalene
Concen: 8.945 ppbv
RT: 22.18 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 3:18

Tot Ion:128 Resp: 3889076

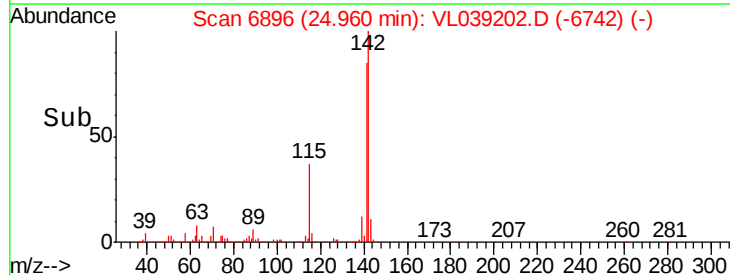
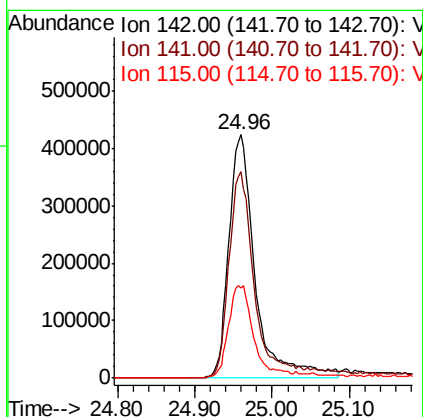
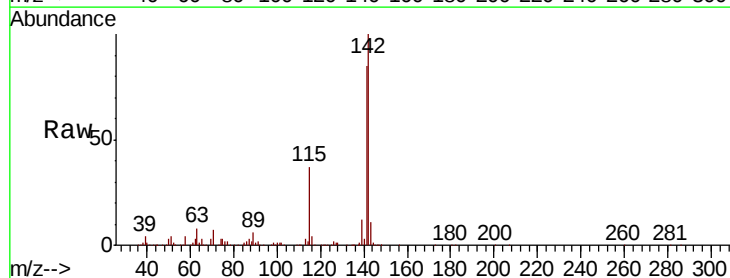
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.8	9.0	13.6

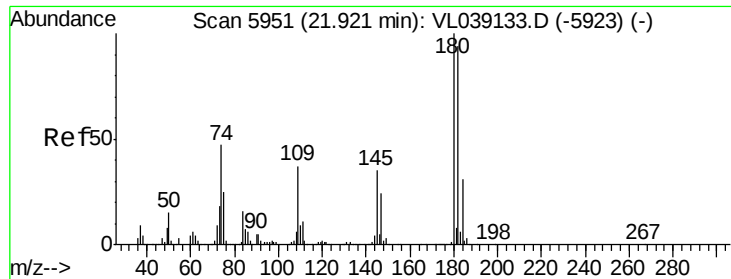


#80
Naphthalene, 2-methyl-
Concen: 6.168 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.01 min
Lab File: VL039202.D
Acq: 7 Jun 2022 3:18

Tgt Ion:142 Resp: 996389

Ion	Ratio	Lower	Upper
142	100		
141	85.7	64.6	96.8
115	39.3	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 7.797 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 3.18

Tot Ion: 180 Resp: 2147665
 Ion Ratio Lower Upper
 180 100
 182 96.9 0.0 0.0#
 184 32.1 0.0 0.0#

