

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
 Data File : VL039401.D
 Acq On : 29 Jun 2022 17:30
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Jun 30 05:41:19 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 05:40:11 2022
 QLast Update : Thu Jun 30 05:40:11 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1386551	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3807478	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4388143	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2668214	8.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1694002	8.47	ppbv	99
3) Chlorodifluoromethane	2.99	51	1540294	8.76	ppbv	98
4) Chloromethane	3.13	50	867700	9.02	ppbv	98
5) Vinyl Chloride	3.25	62	788116	8.31	ppbv	99
6) Bromomethane	3.47	94	367588	9.21	ppbv	94
7) Chloroethane	3.55	64	297910	8.83	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1939582	8.88	ppbv	99
9) Propene	3.01	41	718215	9.04	ppbv	99
10) Heptane	8.11	43	1773314	9.53	ppbv	100
11) Trichlorofluoromethane	3.94	101	1931204	8.67	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1397962	8.41	ppbv	99
13) Ethanol	3.59	45	24744	5.37	ppbv	81
14) Bromoethene	3.73	108	630288	9.02	ppbv	99
15) Acetone	3.84	43	1451219	8.85	ppbv	99
16) 1,3-Butadiene	3.32	39	790422	9.29	ppbv	100
17) tert-Butyl alcohol	4.27	59	1384773	9.95	ppbv	98
18) 1,1-Dichloroethene	4.28	96	673485	8.95	ppbv	99
19) Isopropyl Alcohol	3.95	45	751170	8.58	ppbv #	93
20) Methylene Chloride	4.34	84	543140	8.31	ppbv	97
21) Allyl Chloride	4.40	41	1053112	9.27	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	649338	8.91	ppbv	98
23) Vinyl Acetate	5.06	43	1123375	10.25	ppbv #	98
24) 1,1-Dichloroethane	5.00	63	1489437	9.62	ppbv	98
25) Ethyl Acetate	5.66	43	3184958	9.47	ppbv	100
26) Hexane	5.68	57	1364683	10.07	ppbv	98
27) Carbon Disulfide	4.54	76	1606180	9.81	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1459799	10.07	ppbv	98
29) Chloroform	5.74	83	2094620	8.88	ppbv	98
30) Cyclohexane	7.12	84	1160109	9.40	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1351230	9.39	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2082937	8.95	ppbv	100
34) 2-Butanone	5.23	43	1904061	9.93	ppbv	99
35) Carbon Tetrachloride	7.01	117	2205224	9.37	ppbv	98
36) Benzene	6.88	78	2804296	9.52	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1555997	8.95	ppbv	99
38) Trichloroethene	7.83	130	1482096	9.30	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1048678	9.53	ppbv	97
40) 1,4-Dioxane	7.82	88	418037	9.53	ppbv #	1
41) Tetrahydrofuran	6.03	42	1150576	10.36	ppbv	99
42) Bromodichloromethane	7.78	83	2279399	9.72	ppbv	99
43) Methyl Methacrylate	8.00	69	1157840	10.33	ppbv	99

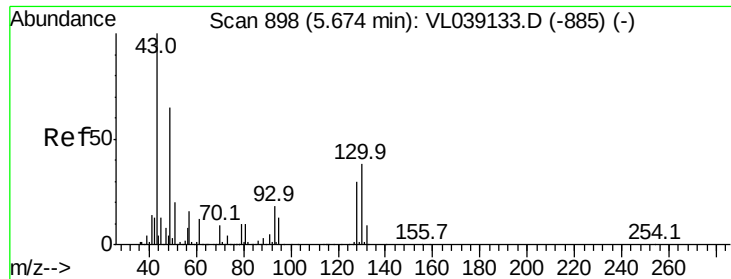
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
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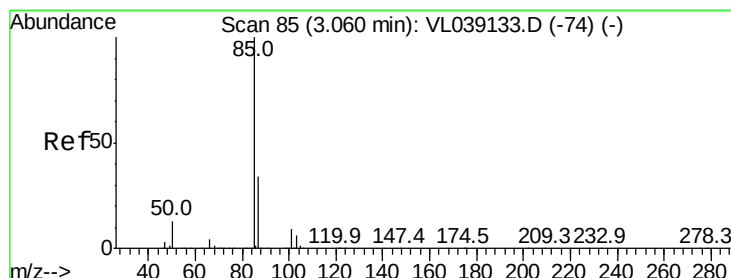
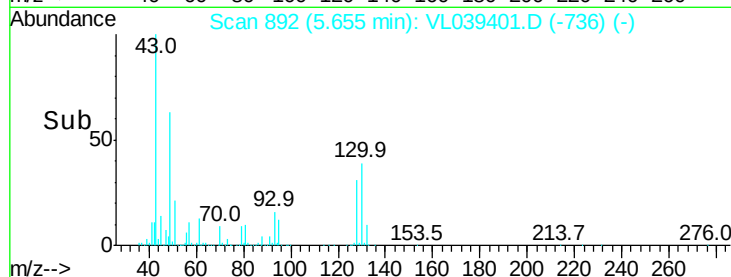
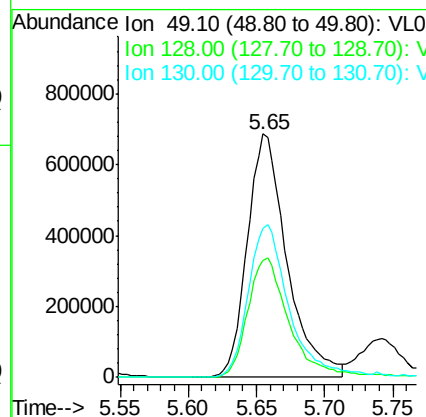
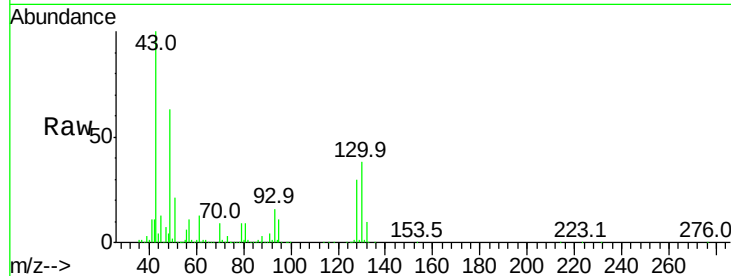
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4699064	9.41	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1204883	12.08	ppbv	98
46) cis-1,3-Dichloropropene	8.69	75	1541058	11.22	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1170094	9.47	ppbv	99
48) Dibromochloromethane	10.29	129	2035516	10.37	ppbv	100
49) Bromoform	13.03	173	1713947	10.82	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2944410	10.16	ppbv	100
51) 2-Hexanone	10.11	43	2336542	10.66	ppbv #	100
52) Tetrachloroethene	11.21	164	1091717	9.20	ppbv	99
53) Toluene	9.79	91	3368075	9.91	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1547831	10.07	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1467714	7.57	ppbv #	57
57) Chlorobenzene	12.13	112	2562251	7.53	ppbv	97
58) Ethyl Benzene	12.70	91	4536119	8.01	ppbv	100
59) m/p-Xylene	12.98	91	4406857	8.82	ppbv #	48
60) o-Xylene	13.67	91	3665115	7.75	ppbv	99
61) Styrene	13.51	104	2259434	8.82	ppbv	99
62) Isopropylbenzene	14.65	105	5440021	7.55	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	1745931	7.04	ppbv	100
64) n-propylbenzene	15.55	120	1430555	7.84	ppbv	100
65) tert-Butylbenzene	16.73	119	4929781	7.41	ppbv	100
66) Benzyl Chloride	16.97	91	663583	10.49	ppbv	99
67) sec-Butylbenzene	17.28	105	6770589	7.55	ppbv	100
69) p-Isopropyltoluene	17.64	119	5829748	7.66	ppbv	100
70) n-Butylbenzene	18.53	91	5764023	7.81	ppbv	100
71) 2-Chlorotoluene	15.44	91	4011363	7.78	ppbv	100
72) 4-Ethyltoluene	15.82	105	4455746	8.01	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4069310	7.97	ppbv	98
74) 1,2,4-Trimethylbenzene	16.75	105	4345956	7.69	ppbv	98
75) 1,3-Dichlorobenzene	16.98	146	2631605	7.81	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2528811	7.57	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2522357	7.55	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1843699	6.86	ppbv	99
79) Naphthalene	22.17	128	3702459	9.52	ppbv	100
80) Naphthalene,2-methyl-	24.95	142	1380636	10.43	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2053729	8.11	ppbv	98

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



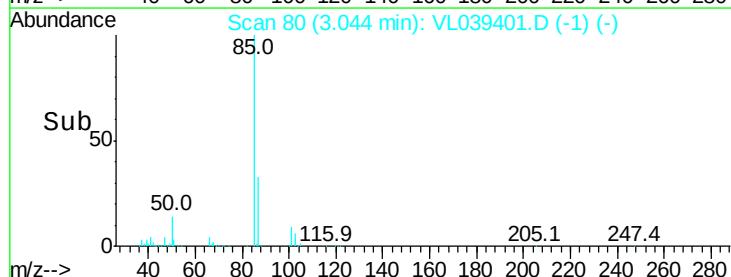
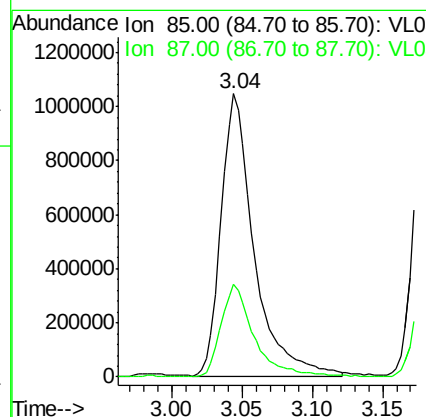
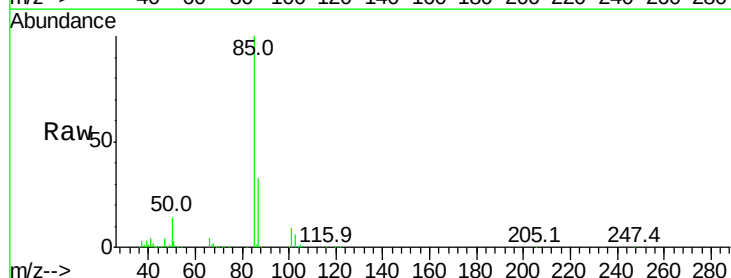
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.65
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 BFB
 Acq: 29 Jun 2022 17:30

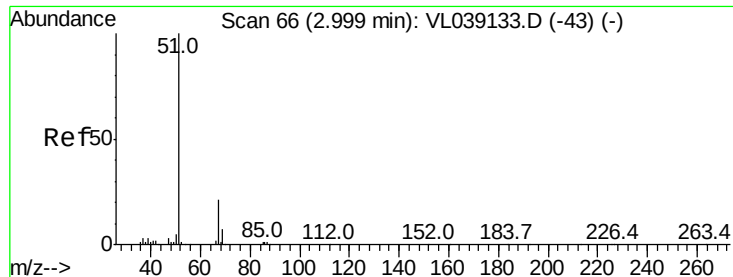
Tgt Ion: 49 Resp: 1386551
 Ion Ratio Lower Upper
 49 100
 128 52.6 26.7 80.0
 130 66.2 34.3 102.8



#2
 Dichlorodifluoromethane
 Concen: 8.47 ppbv
 RT: 3.04 min Scan# 80
 Delta R.T. 0.00 min
 Lab File: VL039401.D
 Acq: 29 Jun 2022 17:30

Tgt Ion: 85 Resp: 1694002
 Ion Ratio Lower Upper
 85 100
 87 32.7 26.7 40.1





#3

Chlorodifluoromethane

Concen: 8.76 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: BFB

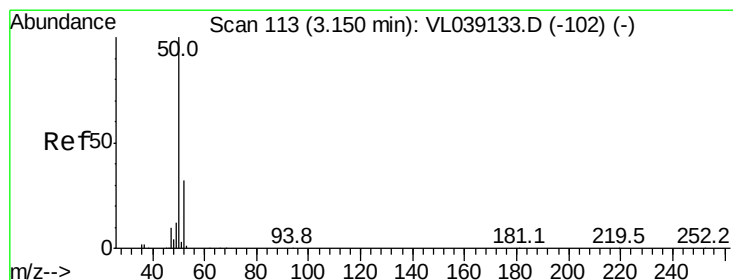
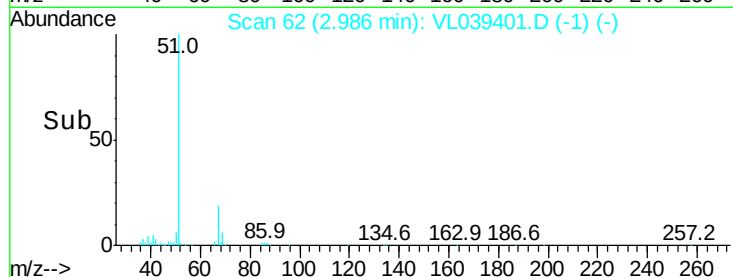
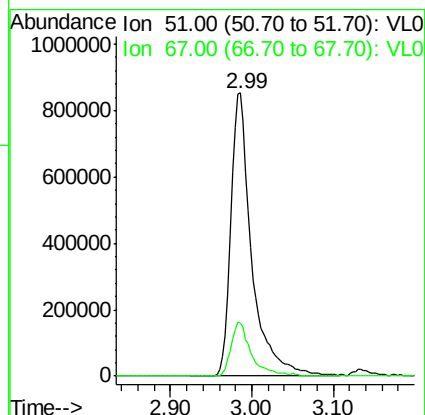
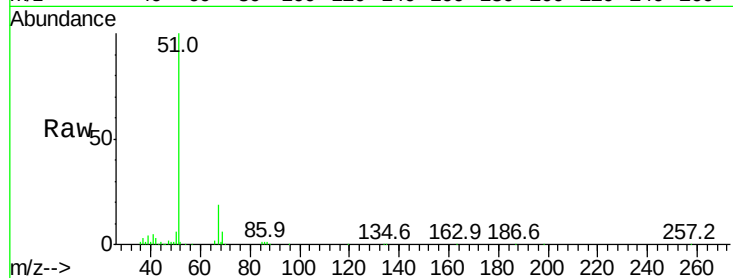
Acq: 29 Jun 2022 17:30

Tgt Ion: 51 Resp: 1540294

Ion Ratio Lower Upper

51 100

67 18.9 15.7 23.5



#4

Chloromethane

Concen: 9.02 ppbv

RT: 3.13 min Scan# 108

Delta R.T. 0.00 min

Lab File: VL039401.D

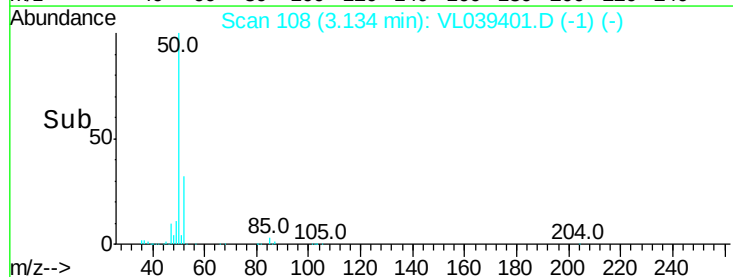
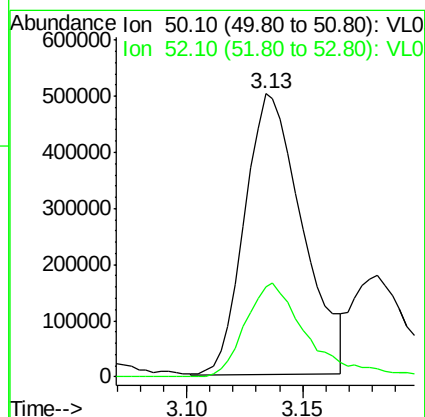
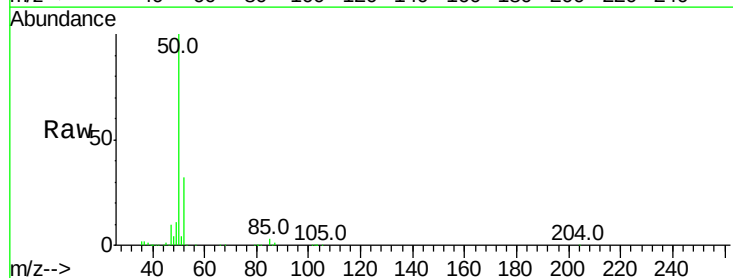
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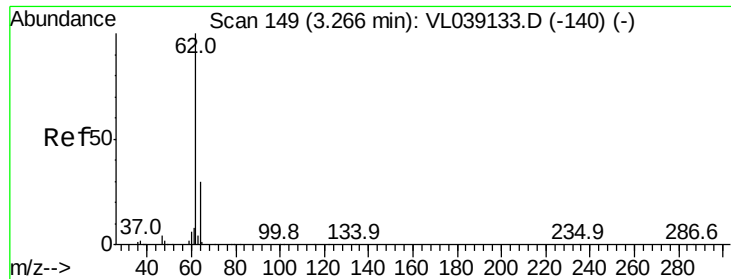
Tgt Ion: 50 Resp: 867700

Ion Ratio Lower Upper

50 100

52 32.2 26.5 39.7





#5

Vinyl Chloride

Concen: 8.31 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

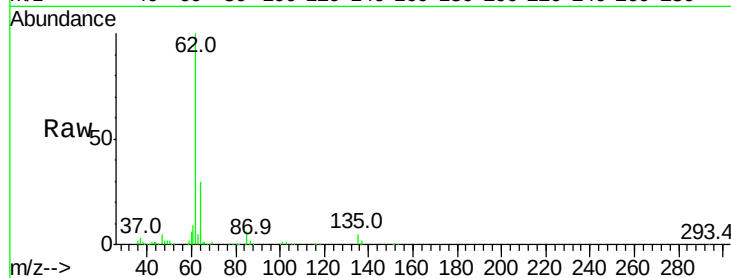
Acq: 29 Jun 2022 17:30 BFB

Tgt Ion: 62 Resp: 788116

Ion Ratio Lower Upper

62 100

64 30.3 24.6 36.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

300000

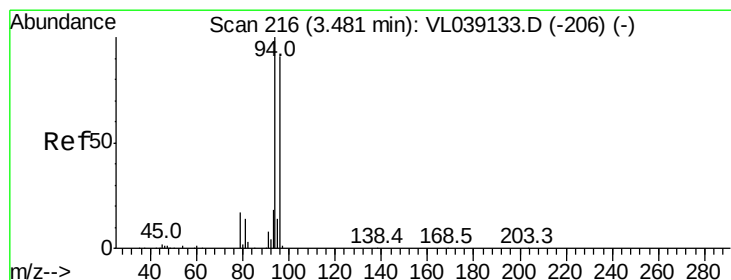
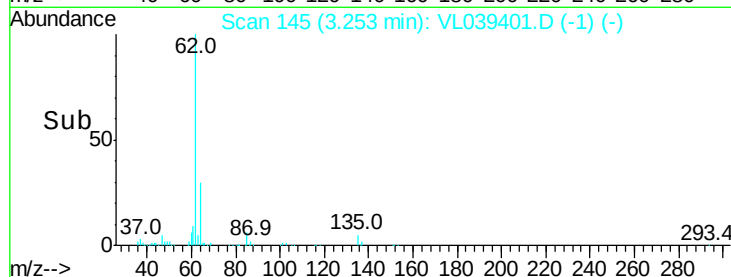
200000

100000

0

Time-->

3.20 3.25 3.30



#6

Bromomethane

Concen: 9.21 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL039401.D

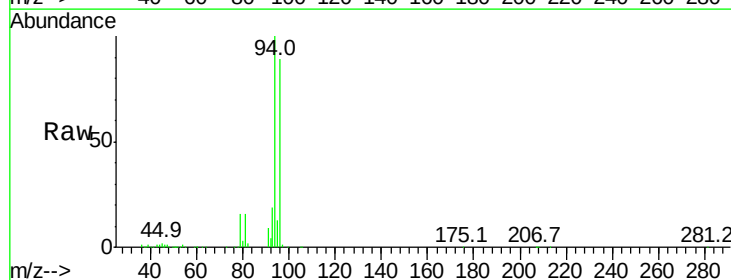
Acq: 29 Jun 2022 17:30

Tgt Ion: 94 Resp: 367588

Ion Ratio Lower Upper

94 100

96 88.7 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

200000

150000

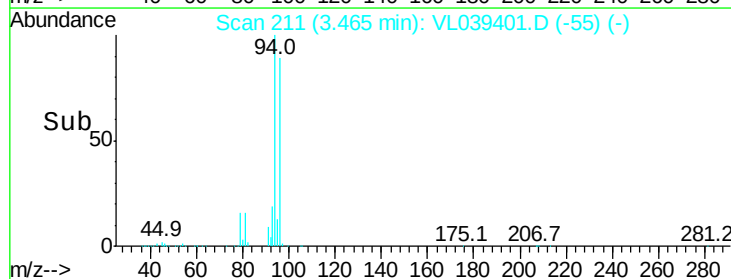
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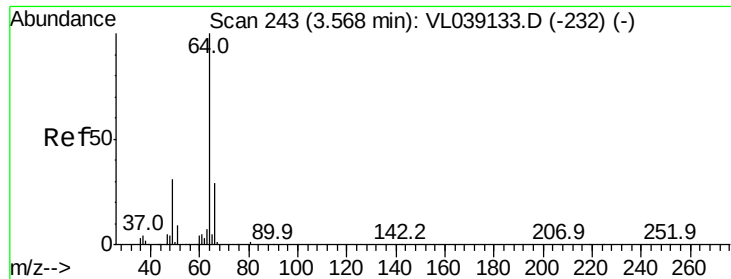
50000

0

Time-->

3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 8.83 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

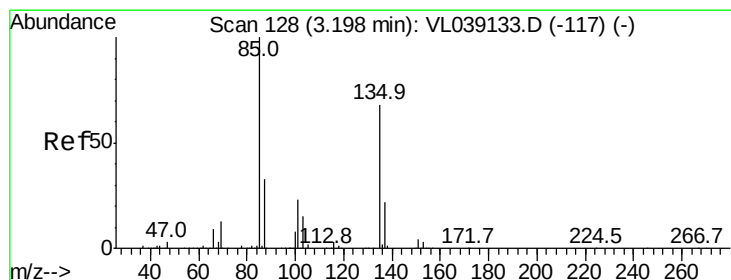
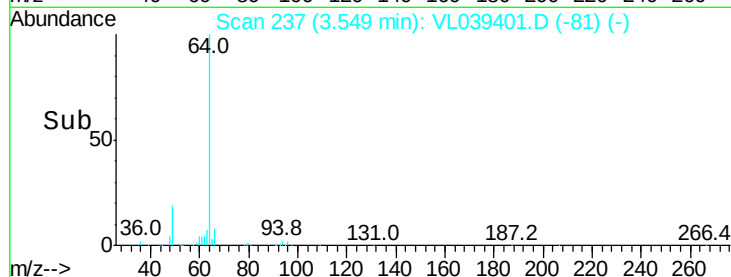
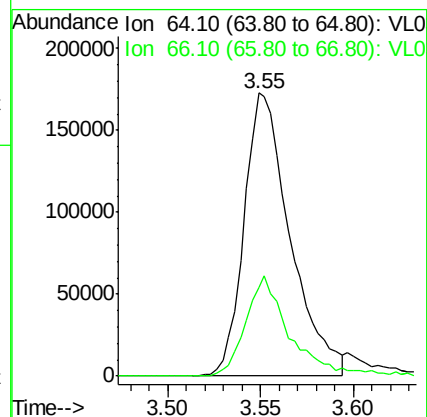
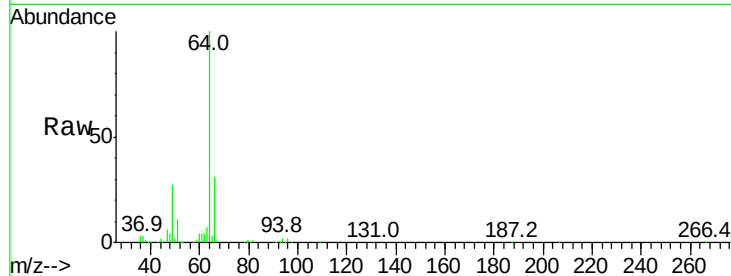
Acq: 29 Jun 2022 17:30 BFB

Tgt Ion: 64 Resp: 297910

Ion Ratio Lower Upper

64 100

66 31.4 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 8.88 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL039401.D

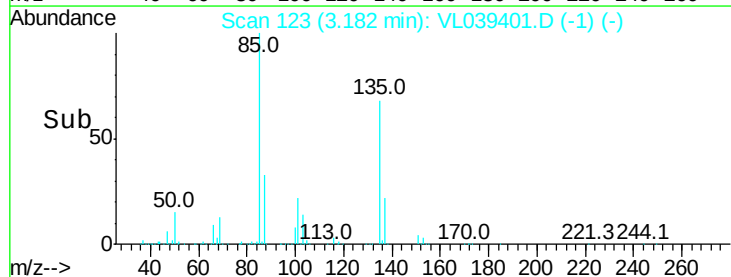
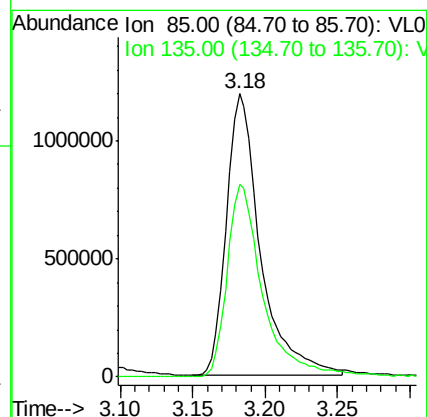
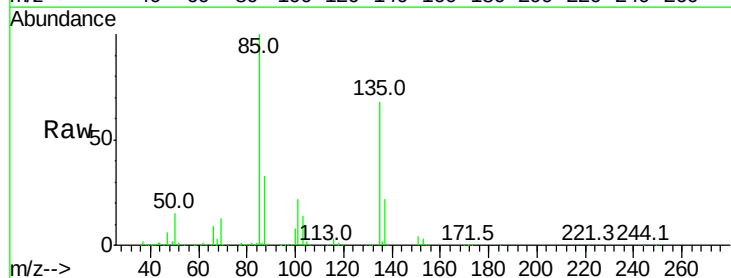
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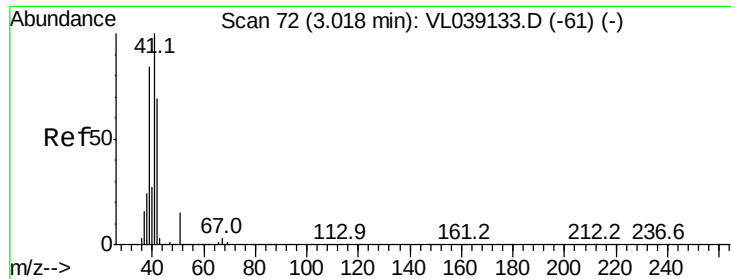
Tgt Ion: 85 Resp: 1939582

Ion Ratio Lower Upper

85 100

135 72.6 59.0 88.4





#9

Propene

Concen: 9.04 ppbv

RT: 3.01 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: BFB

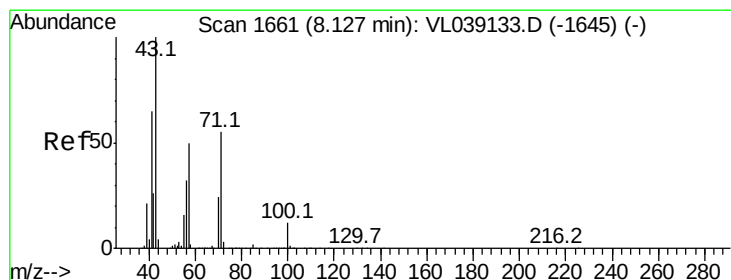
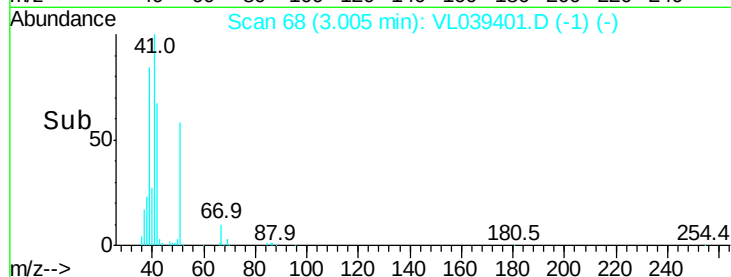
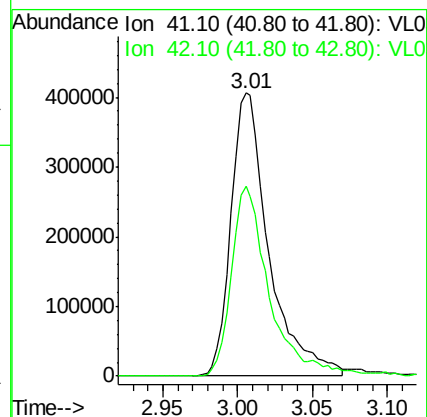
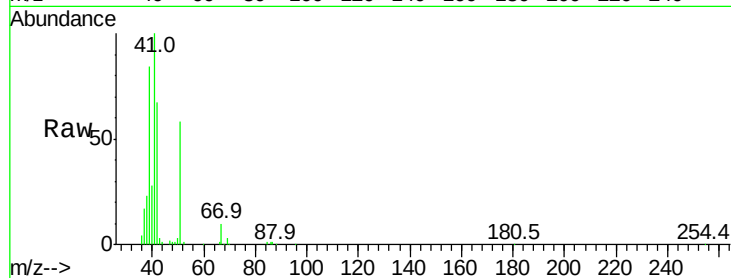
Acq: 29 Jun 2022 17:30

Tgt Ion: 41 Resp: 718215

Ion Ratio Lower Upper

41 100

42 68.1 55.2 82.8



#10

Heptane

Concen: 9.53 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL039401.D

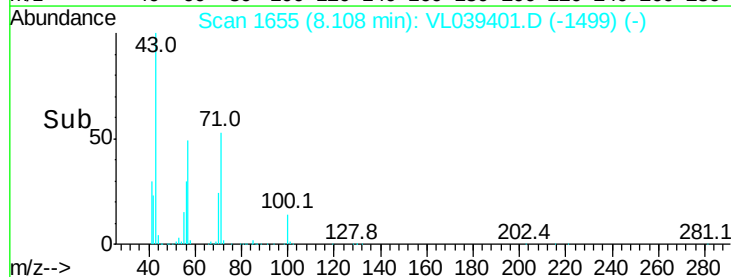
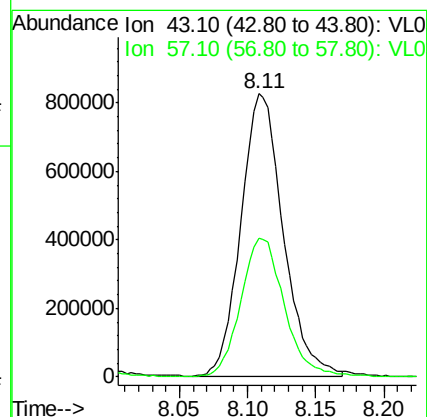
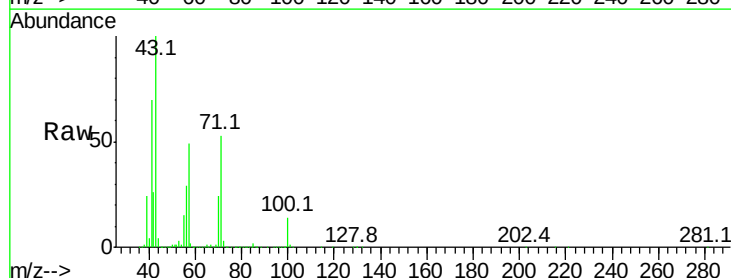
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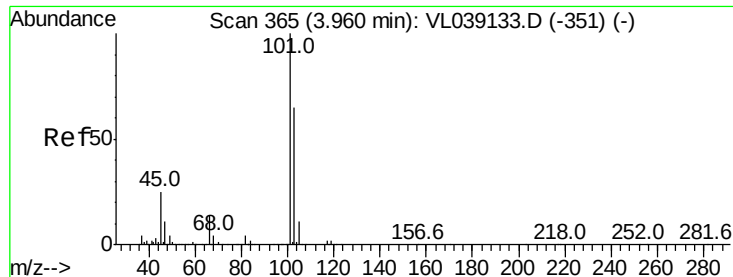
Tgt Ion: 43 Resp: 1773314

Ion Ratio Lower Upper

43 100

57 50.7 40.5 60.7





#11

Trichlorofluoromethane

Concen: 8.67 ppbv

RT: 3.94 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

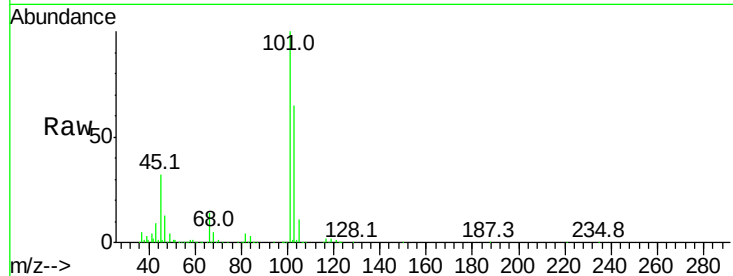
Acq: 29 Jun 2022 17:30 BFB

Tgt Ion:101 Resp: 1931204

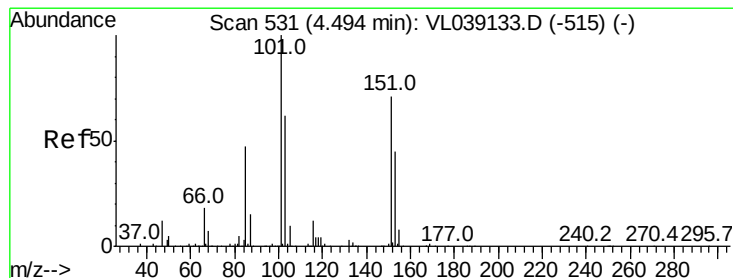
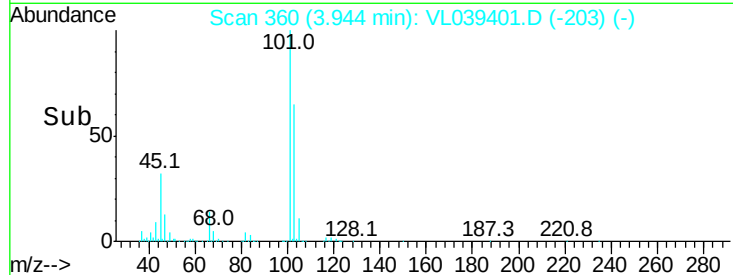
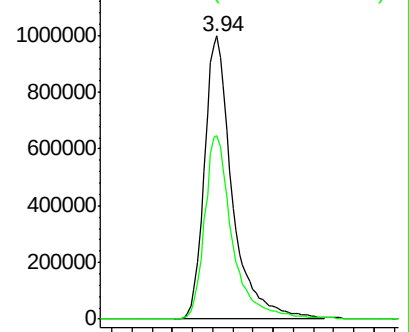
Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.41 ppbv

RT: 4.48 min Scan# 526

Delta R.T. 0.01 min

Lab File: VL039401.D

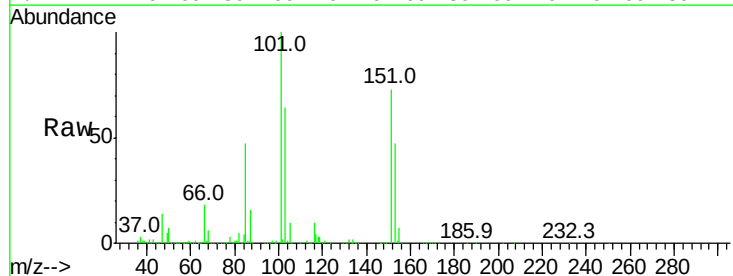
Acq: 29 Jun 2022 17:30

Tgt Ion:101 Resp: 1397962

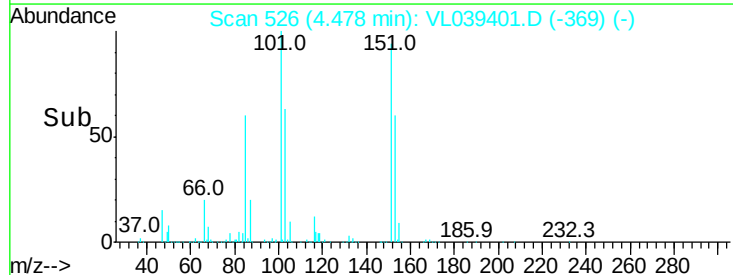
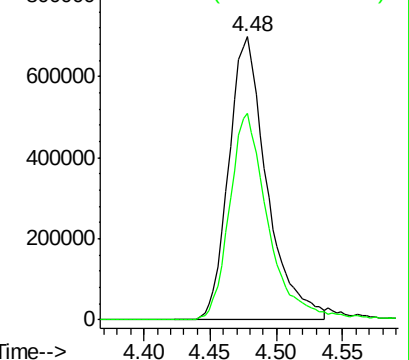
Ion Ratio Lower Upper

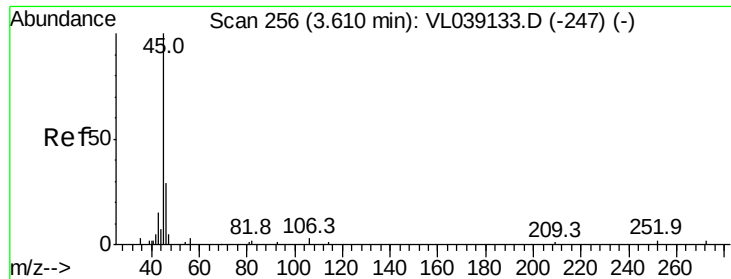
101 100

151 74.8 58.9 88.3



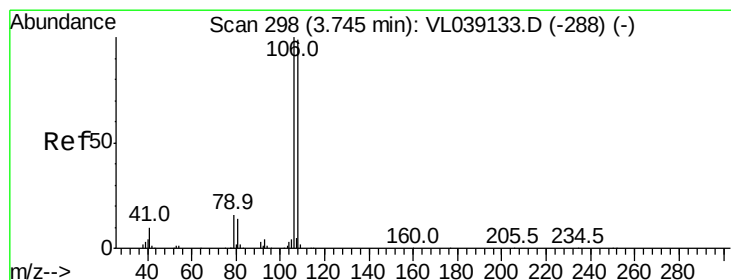
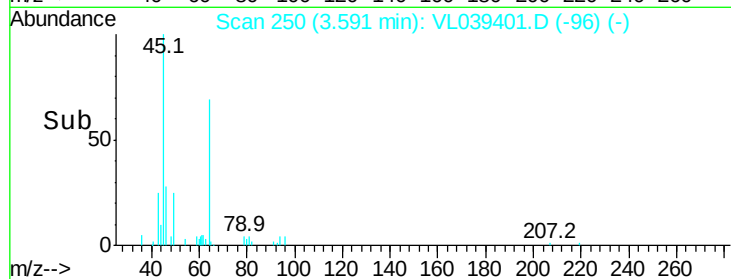
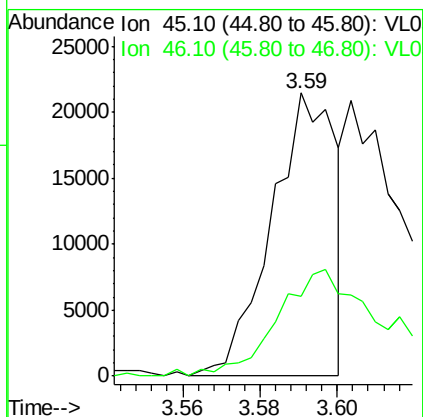
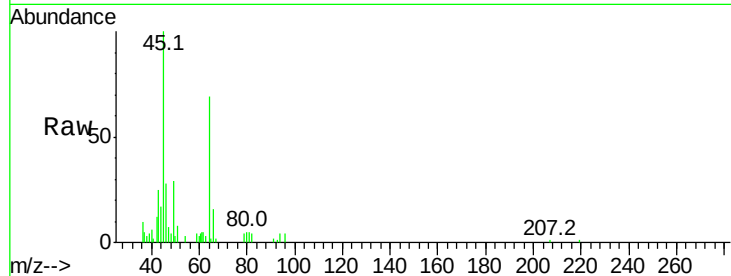
Abundance Ion 101.00 (100.70 to 101.70): V





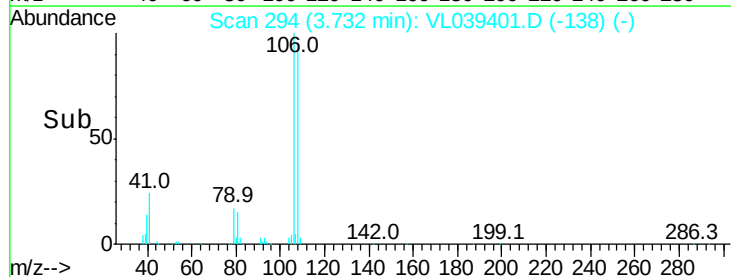
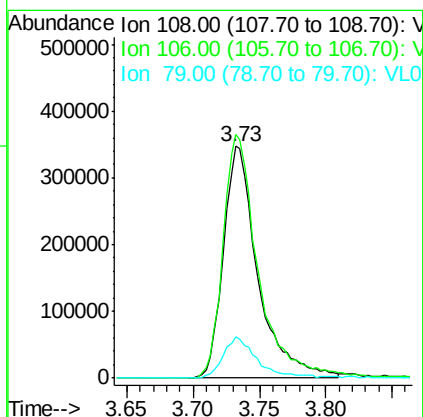
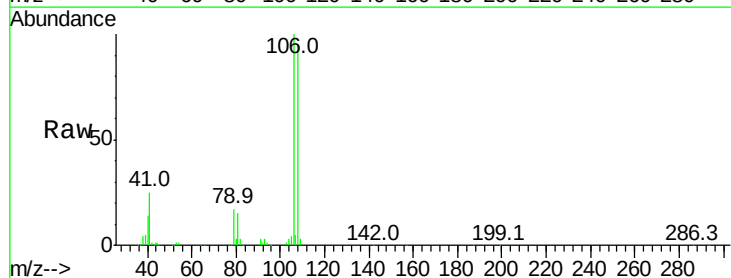
#13
Ethanol
Concen: 5.37 ppbv
RT: 3.59
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
BFB
Acq: 29 Jun 2022 17:30

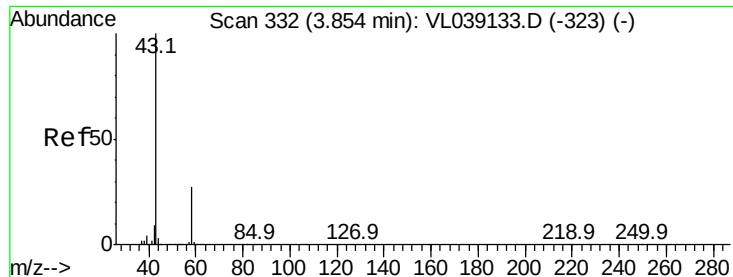
Tgt Ion: 45 Resp: 24744
Ion Ratio Lower Upper
45 100
46 70.7 22.8 91.2



#14
Bromoethene
Concen: 9.02 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.00 min
Lab File: VL039401.D
Acq: 29 Jun 2022 17:30

Tgt Ion: 108 Resp: 630288
Ion Ratio Lower Upper
108 100
106 107.8 87.1 130.7
79 18.8 14.6 22.0





#15

Acetone

Concen: 8.85 ppbv

RT: 3.84 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: BFB

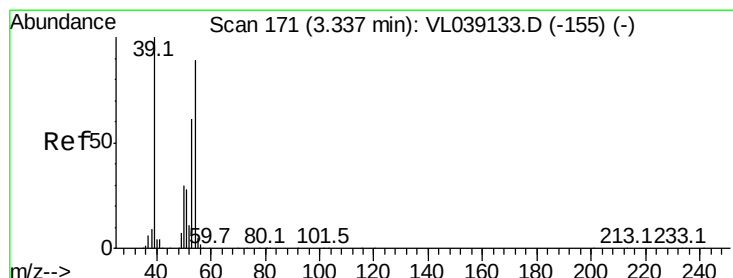
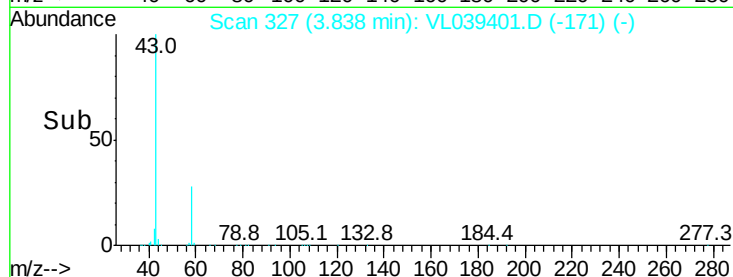
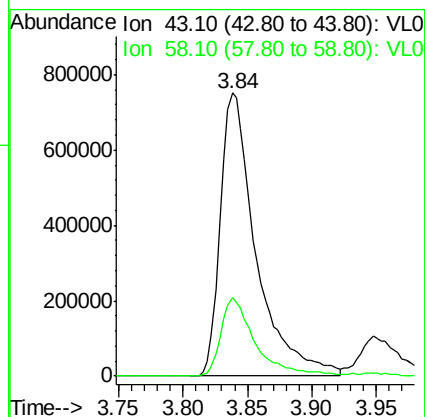
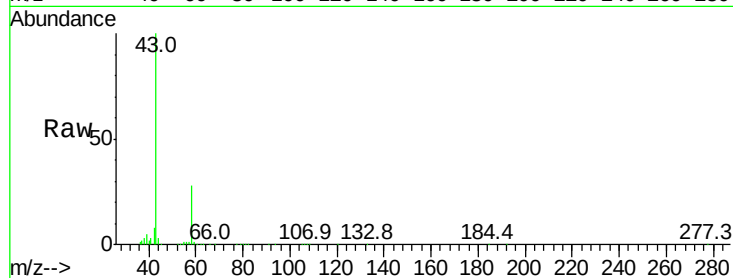
Acq: 29 Jun 2022 17:30

Tgt Ion: 43 Resp: 1451219

Ion Ratio Lower Upper

43 100

58 26.8 21.0 31.6



#16

1,3-Butadiene

Concen: 9.29 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL039401.D

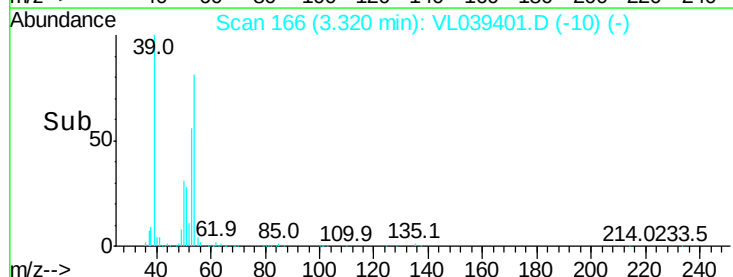
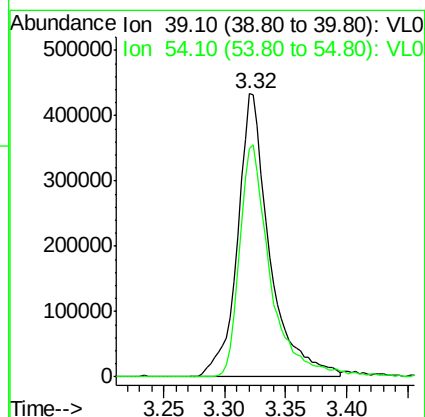
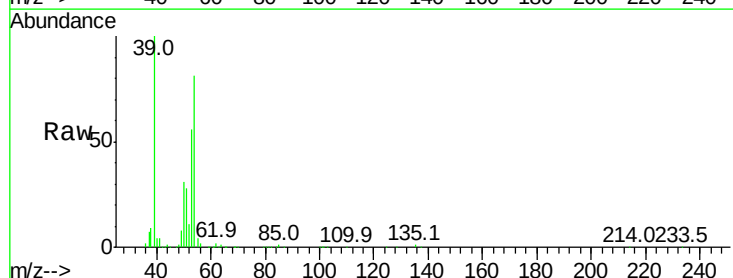
Acq: 29 Jun 2022 17:30

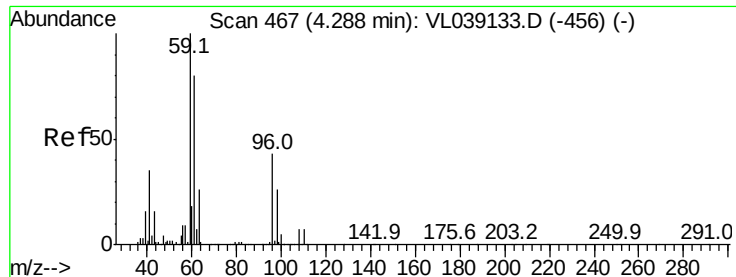
Tgt Ion: 39 Resp: 790422

Ion Ratio Lower Upper

39 100

54 79.4 63.7 95.5





#17

tert-Butyl alcohol

Concen: 9.95 ppbv

RT: 4.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

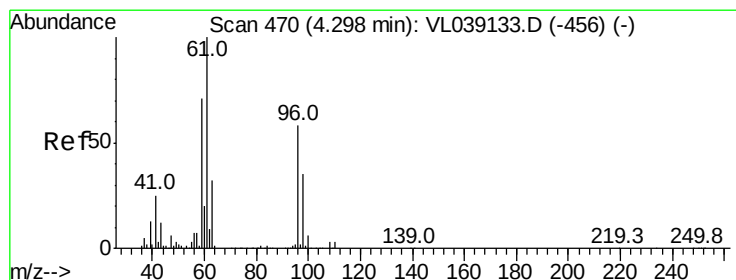
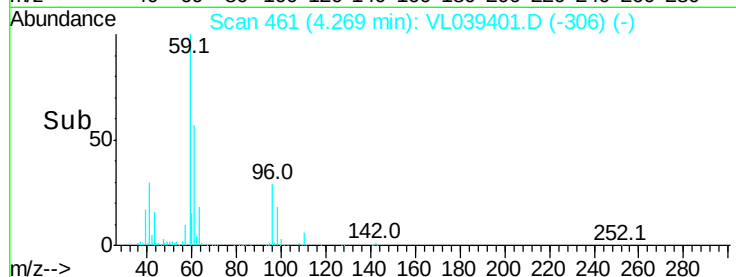
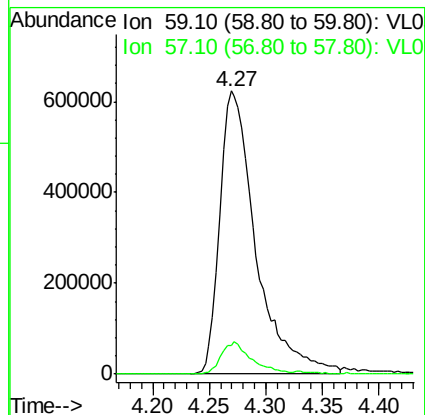
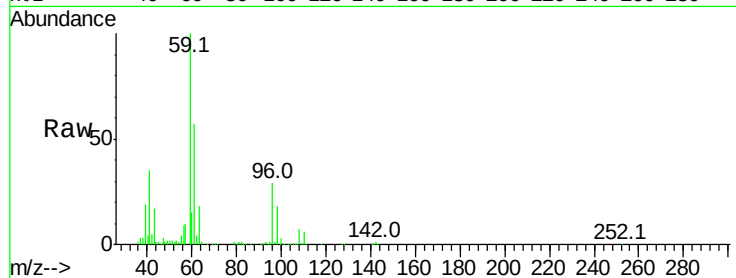
Acq: 29 Jun 2022 17:30 BFB

Tgt Ion: 59 Resp: 1384773

Ion Ratio Lower Upper

59 100

57 10.3 8.7 13.1



#18

1,1-Dichloroethene

Concen: 8.95 ppbv

RT: 4.28 min Scan# 465

Delta R.T. 0.00 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

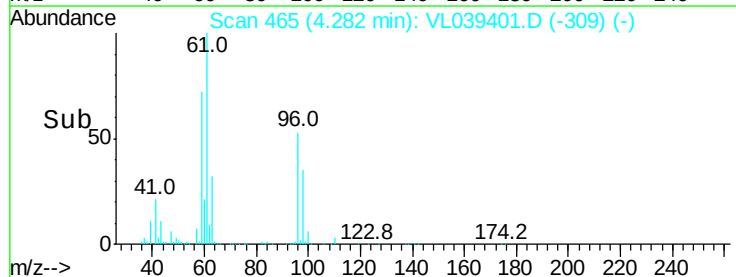
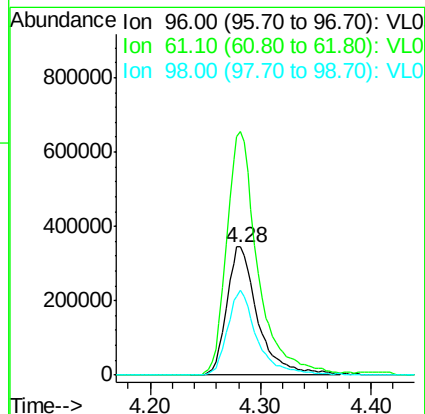
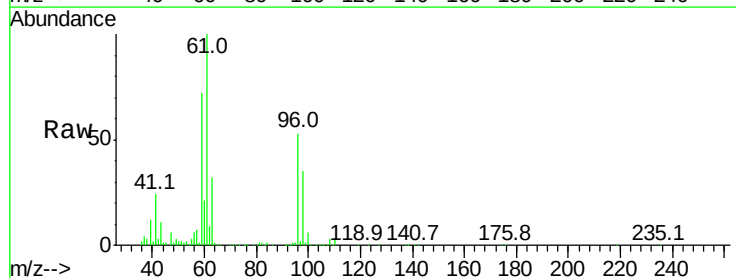
Tgt Ion: 96 Resp: 673485

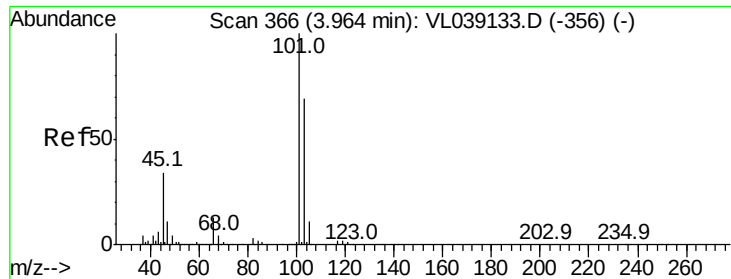
Ion Ratio Lower Upper

96 100

61 189.9 152.2 228.4

98 65.9 51.8 77.6





#19

Isopropyl Alcohol

Concen: 8.58 ppbv

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

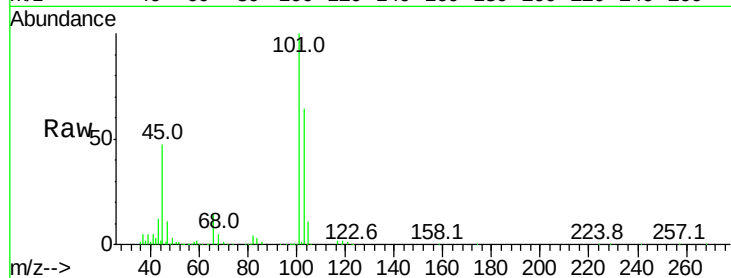
Acq: 29 Jun 2022 17:30 BFB

Tgt Ion: 45 Resp: 751170

Ion Ratio Lower Upper

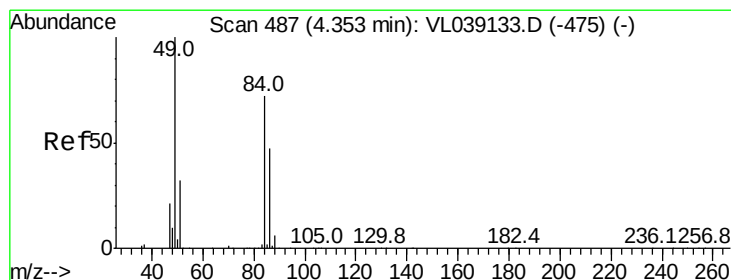
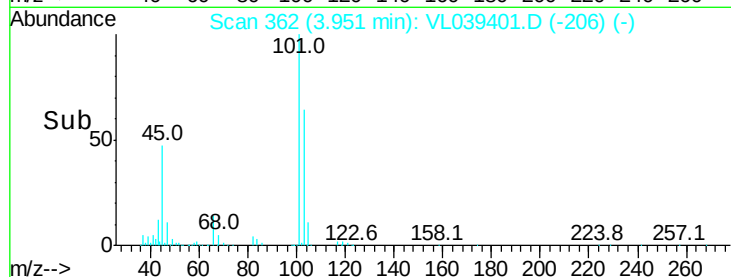
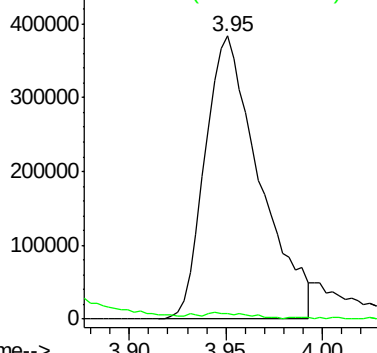
45 100

58 1.8 3.2 4.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.31 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion: 84 Resp: 543140

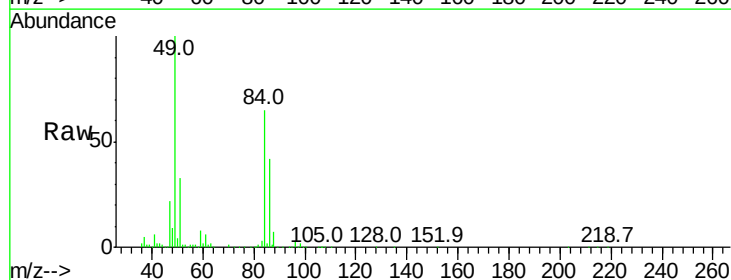
Ion Ratio Lower Upper

84 100

49 150.7 123.1 184.7

51 48.7 34.4 51.6

86 64.2 51.1 76.7

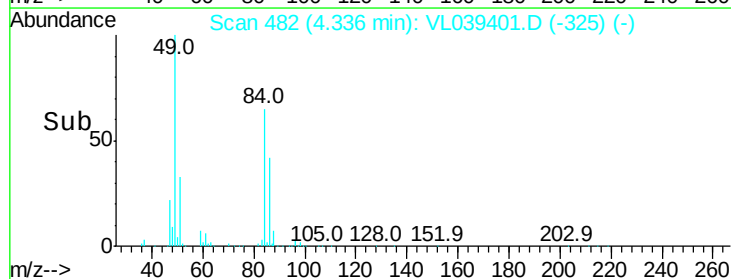
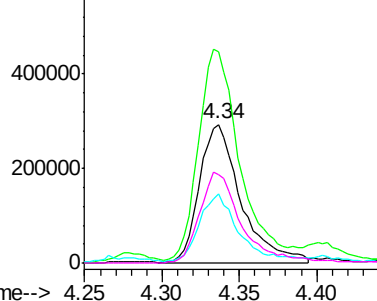


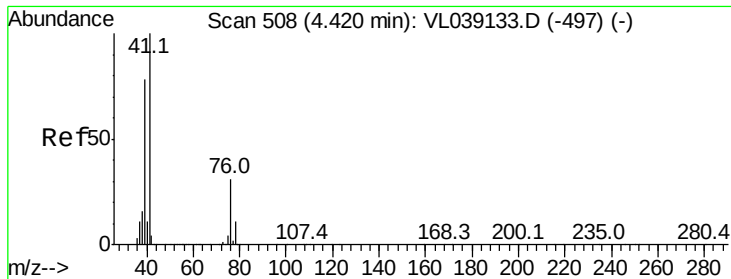
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

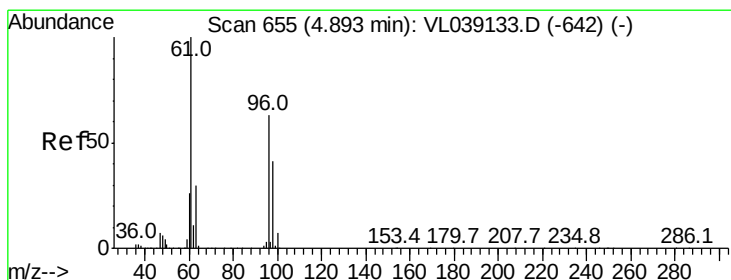
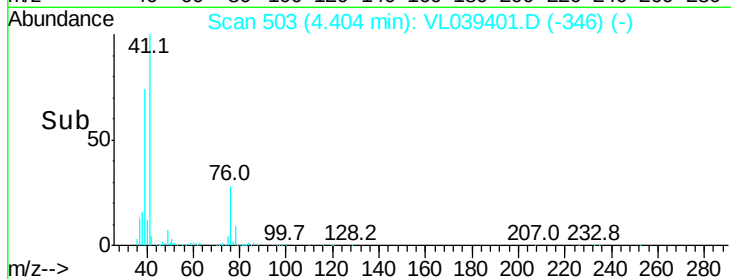
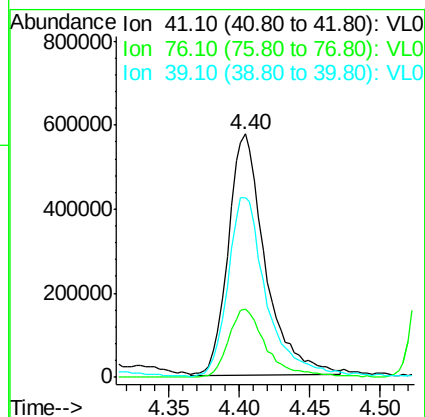
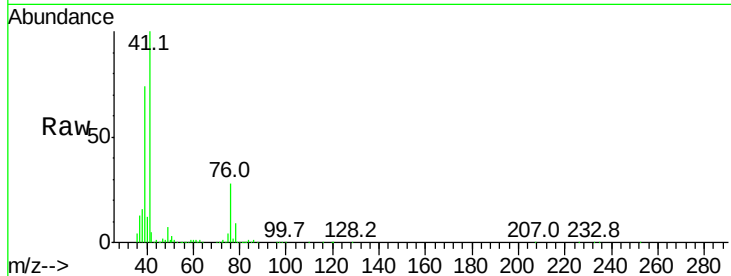




#21
 Allyl Chloride
 Concen: 9.27 ppbv
 RT: 4.40
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 BFB
 Acq: 29 Jun 2022 17:30

Tgt Ion: 41 Resp: 1053112

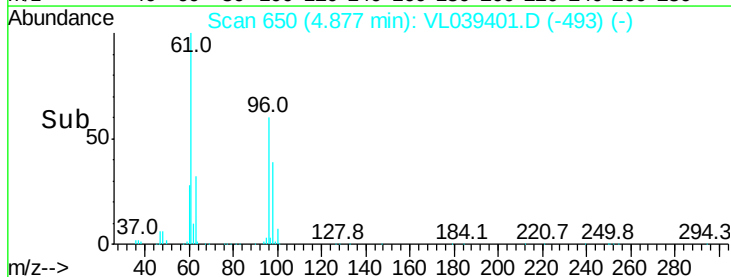
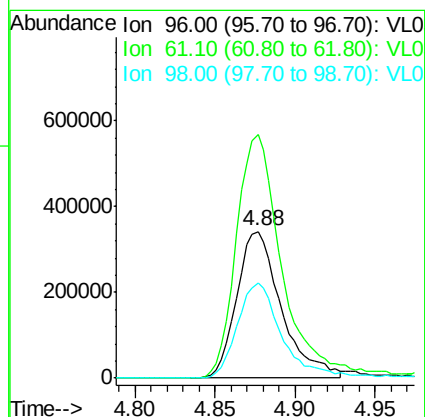
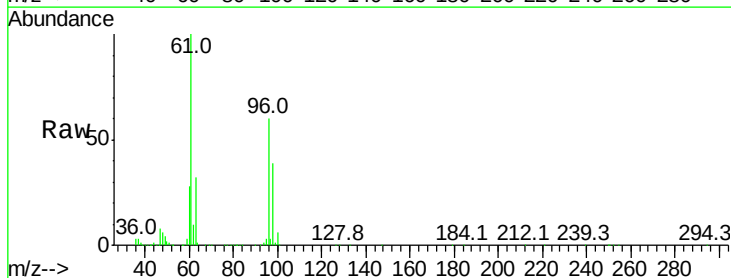
Ion	Ratio	Lower	Upper
41	100		
76	29.3	24.4	36.6
39	77.7	63.5	95.3

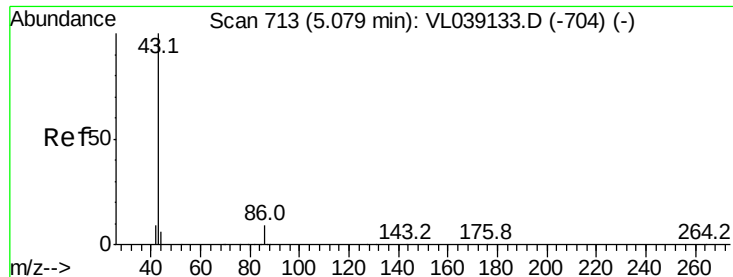


#22
 trans-1,2-Dichloroethene
 Concen: 8.91 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.01 min
 Lab File: VL039401.D
 Acq: 29 Jun 2022 17:30

Tgt Ion: 96 Resp: 649338

Ion	Ratio	Lower	Upper
96	100		
61	165.9	130.6	195.8
98	65.2	53.4	80.0





#23

Vinyl Acetate

Concen: 10.25 ppbv

RT: 5.06 Instrument: MSVOA_1

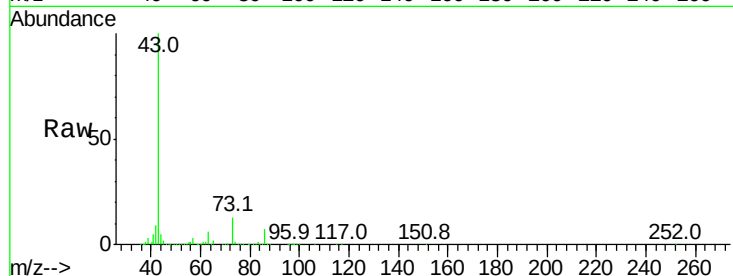
Delta R.T. ClientSampleId:

Lab File: BFB

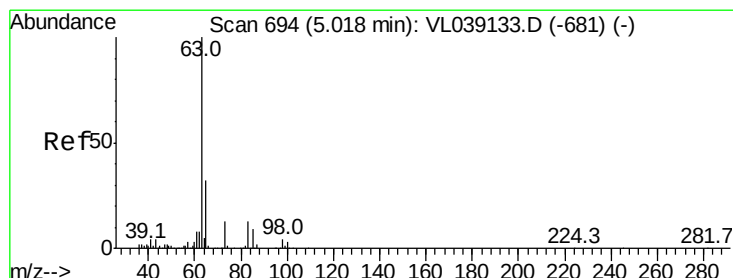
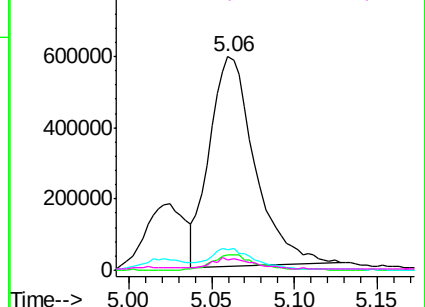
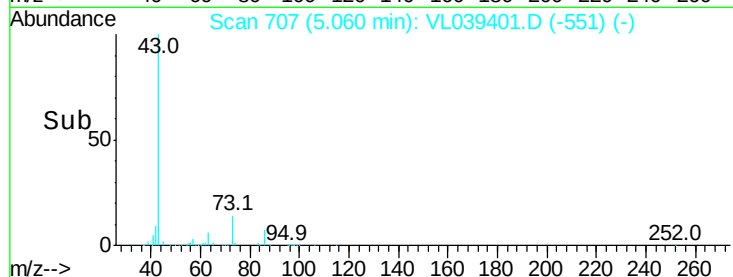
Acq: 29 Jun 2022 17:30

Tgt Ion: 43 Resp: 1123375

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.0	7.6
42	9.1	7.7	11.5
44	4.6	4.6	7.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.62 ppbv

RT: 5.00 min Scan# 689

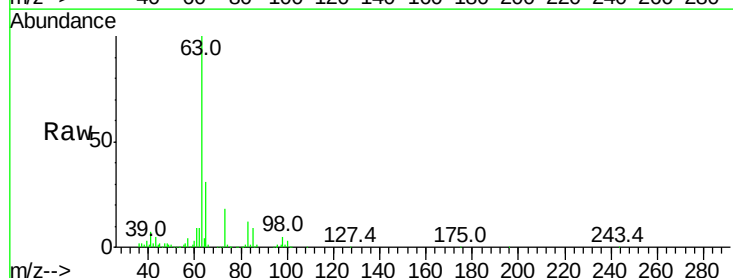
Delta R.T. 0.01 min

Lab File: VL039401.D

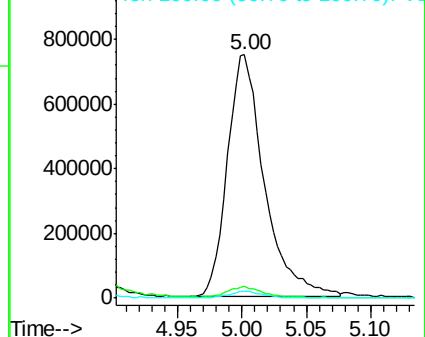
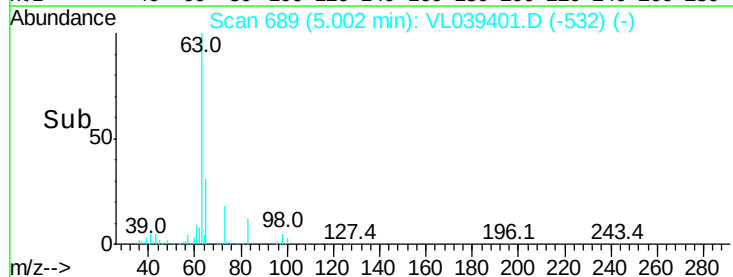
Acq: 29 Jun 2022 17:30

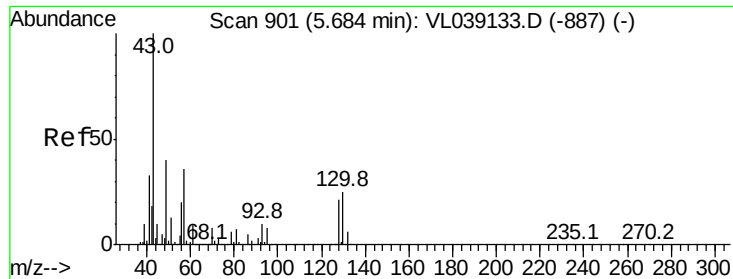
Tgt Ion: 63 Resp: 1489437

Ion	Ratio	Lower	Upper
63	100		
98	4.4	1.8	5.3
100	2.9	1.5	4.4



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

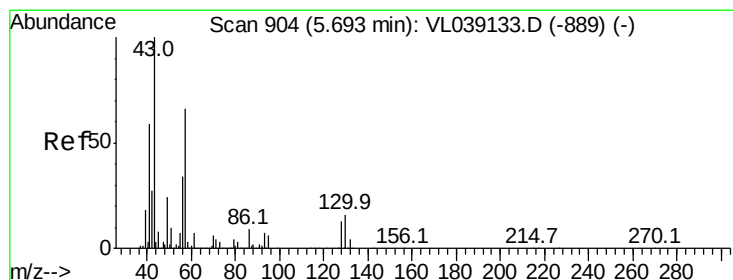
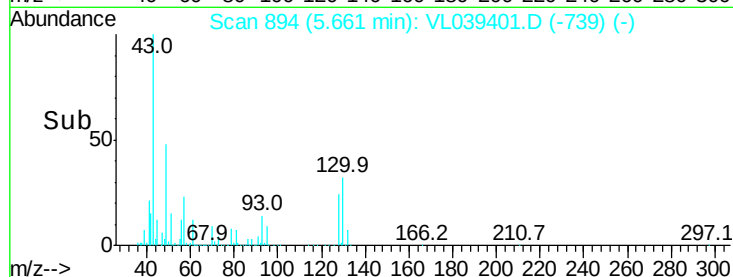
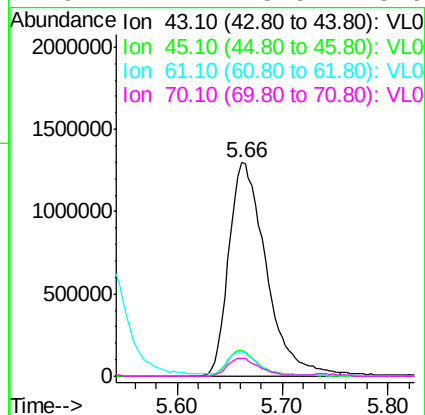
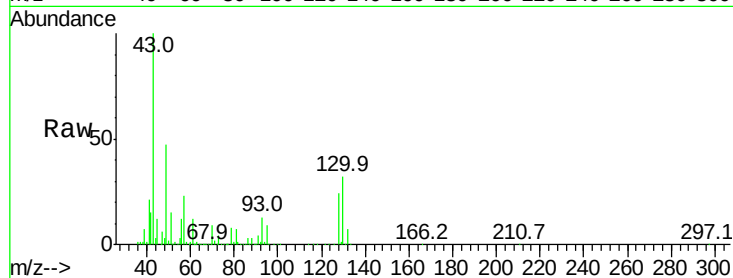




#25
Ethyl Acetate
Concen: 9.47 ppbv
RT: 5.66
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Jun 2022 17:30

Tgt Ion: 43 Resp: 3184958

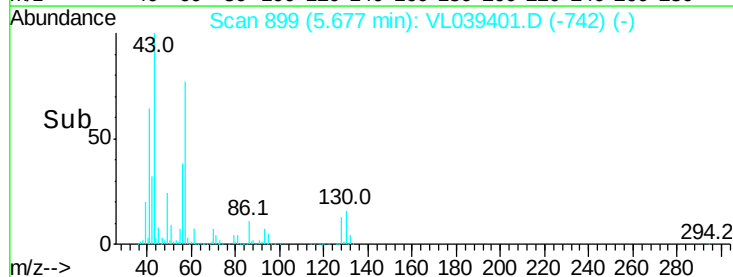
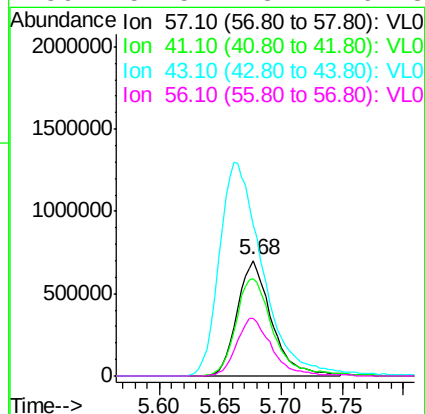
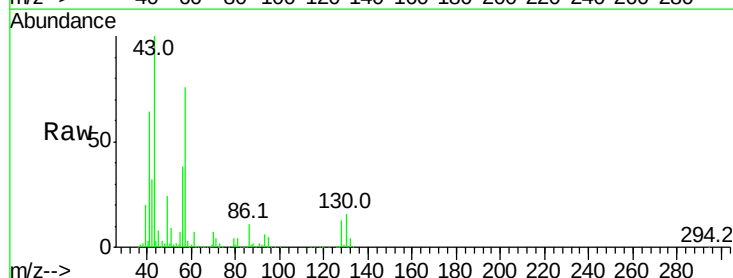
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.2	12.4
61	10.3	8.3	12.5
70	7.2	5.9	8.9

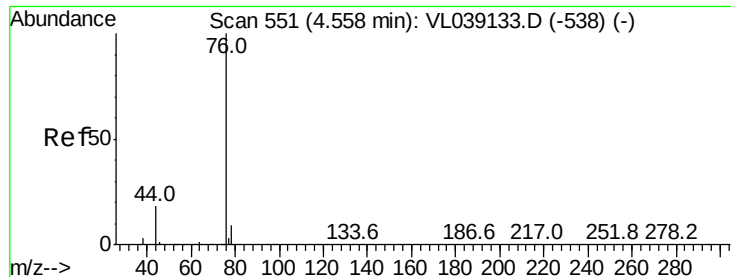


#26
Hexane
Concen: 10.07 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL039401.D
Acq: 29 Jun 2022 17:30

Tgt Ion: 57 Resp: 1364683

Ion	Ratio	Lower	Upper
57	100		
41	92.7	76.9	115.3
43	237.4	191.0	286.6
56	52.5	43.2	64.8





#27

Carbon Disulfide

Concen: 9.81 ppbv

RT: 4.54 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: BFB

Acq: 29 Jun 2022 17:30

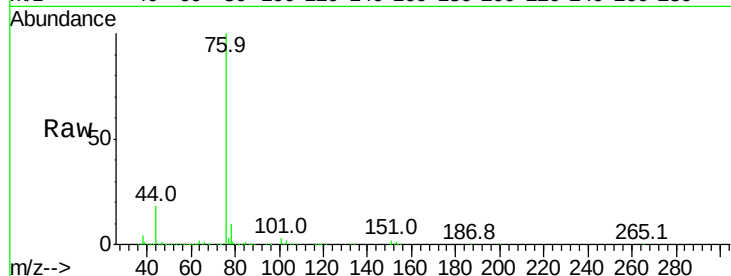
Tgt Ion: 76 Resp: 1606180

Ion	Ratio	Lower	Upper
76	100		
44	18.0	14.6	21.8
78	9.8	7.8	11.6

76 100

44 18.0 14.6 21.8

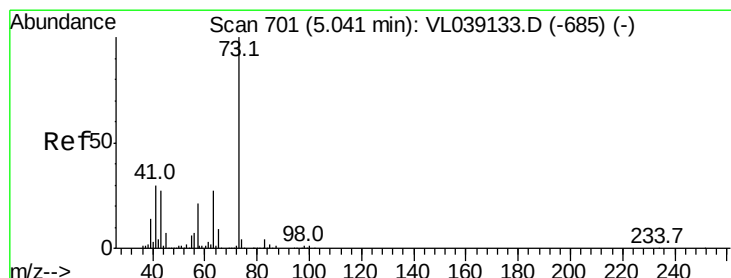
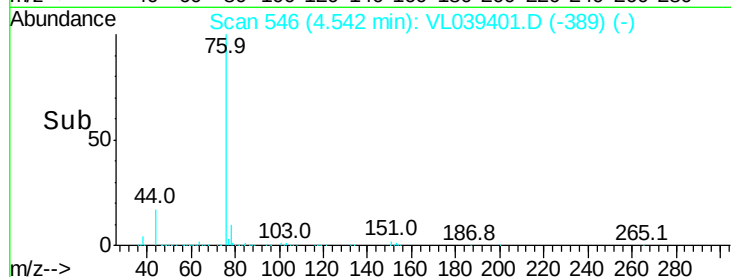
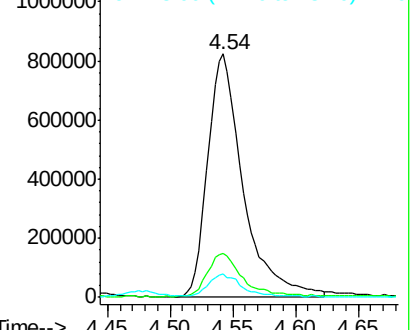
78 9.8 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.07 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL039401.D

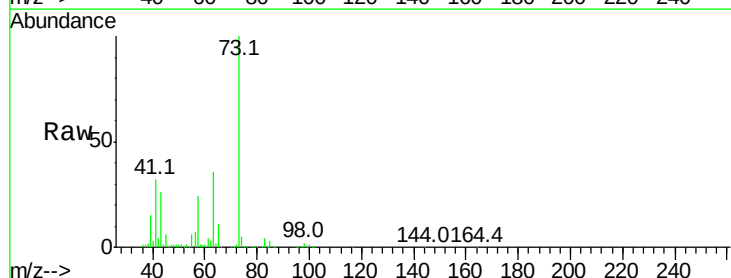
Acq: 29 Jun 2022 17:30

Tgt Ion: 73 Resp: 1459799

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.8	29.8

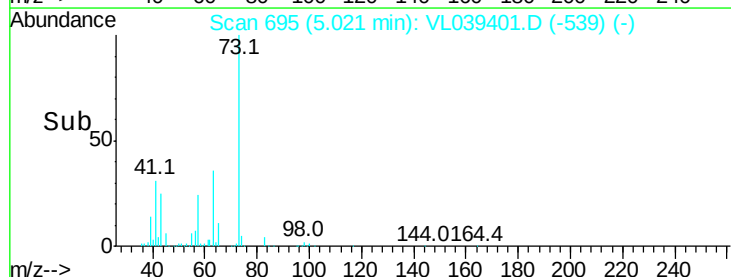
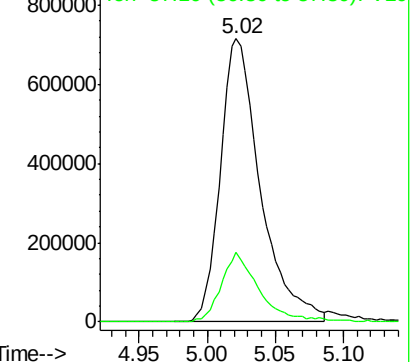
73 100

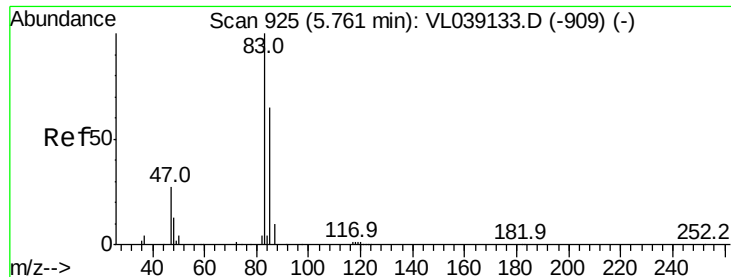
57 23.6 19.8 29.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 8.88 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

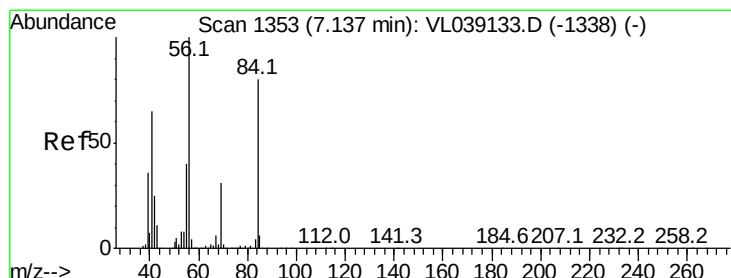
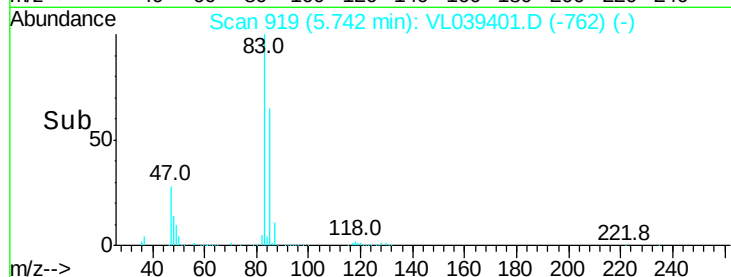
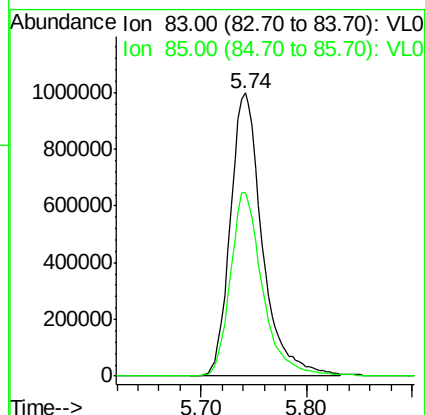
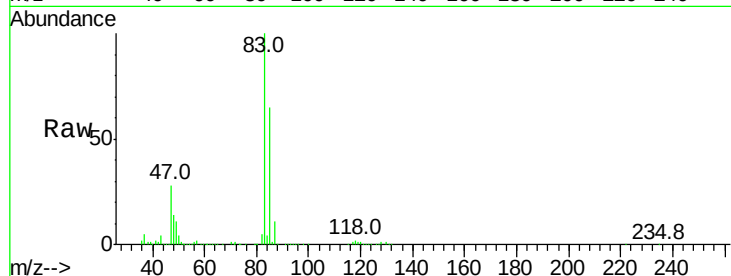
Acq: 29 Jun 2022 17:30 BFB

Tgt Ion: 83 Resp: 2094620

Ion Ratio Lower Upper

83 100

85 64.7 52.8 79.2



#30

Cyclohexane

Concen: 9.40 ppbv

RT: 7.12 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

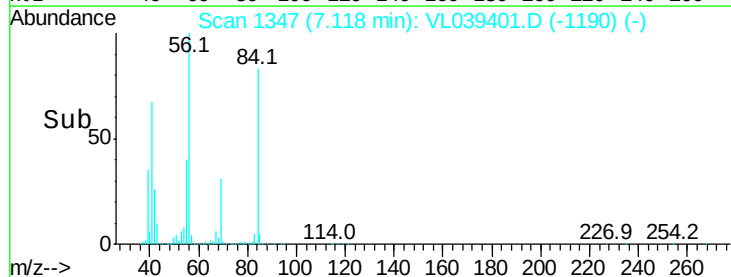
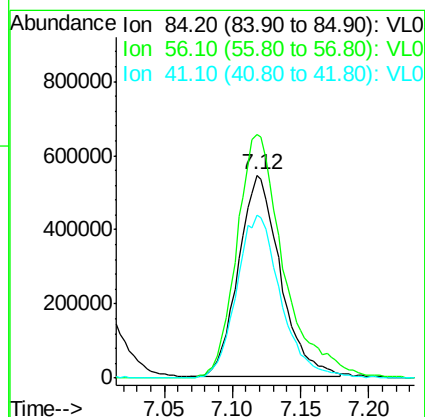
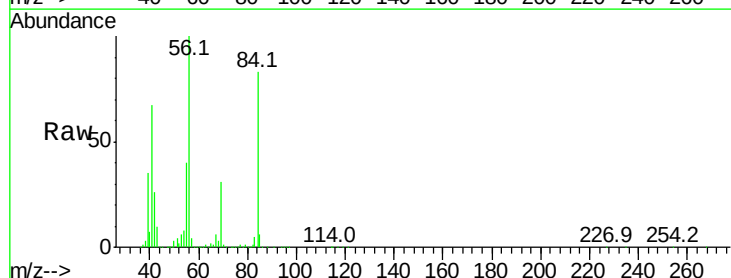
Tgt Ion: 84 Resp: 1160109

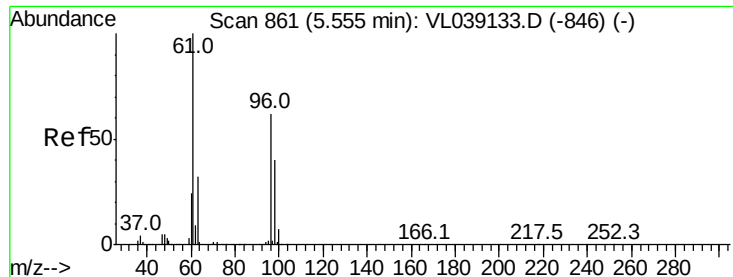
Ion Ratio Lower Upper

84 100

56 136.3 107.7 161.5

41 85.6 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 9.39 ppbv

RT: 5.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Jun 2022 17:30 BFB

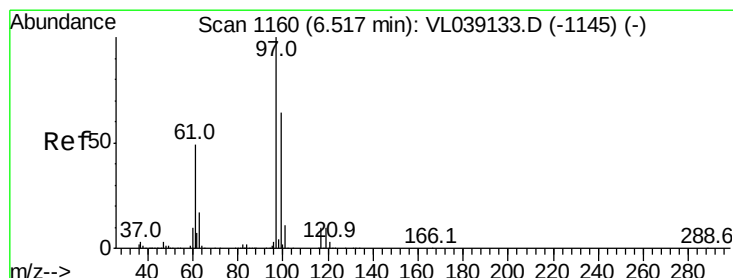
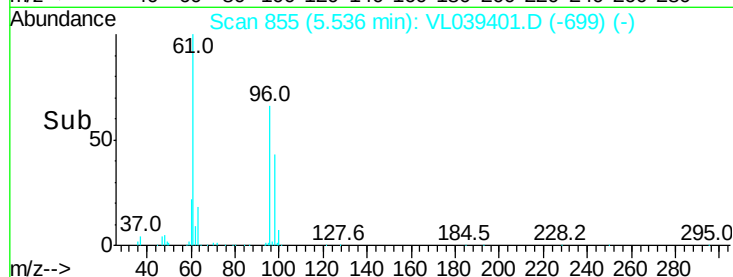
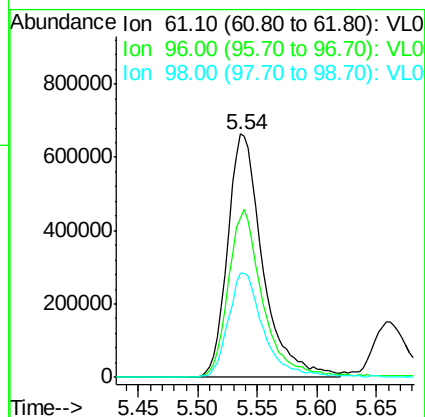
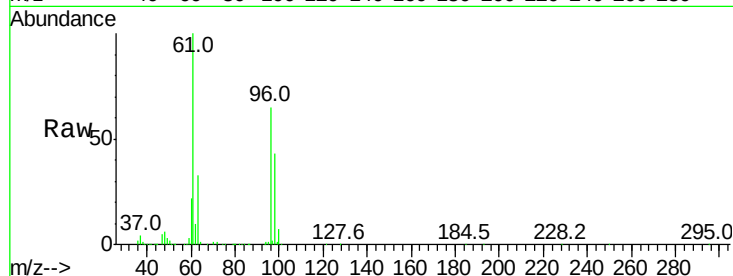
Tgt Ion: 61 Resp: 1351230

Ion Ratio Lower Upper

61 100

96 65.2 54.1 81.1

98 42.9 34.6 52.0



#32

1,1,1-Trichloroethane

Concen: 8.95 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

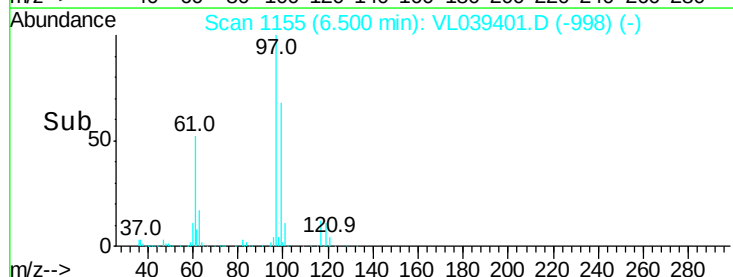
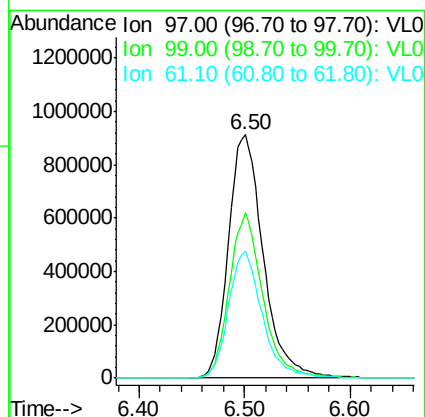
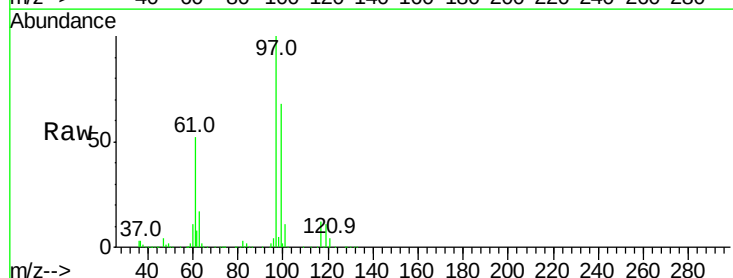
Tgt Ion: 97 Resp: 2082937

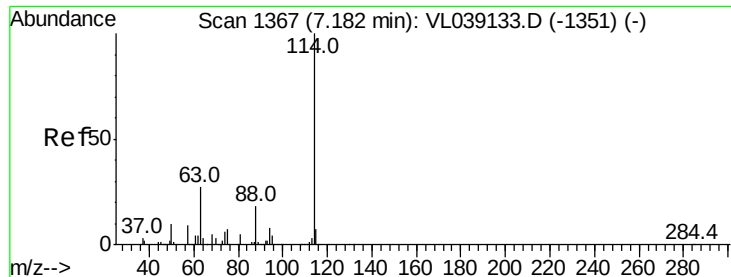
Ion Ratio Lower Upper

97 100

99 65.4 52.3 78.5

61 50.6 40.9 61.3

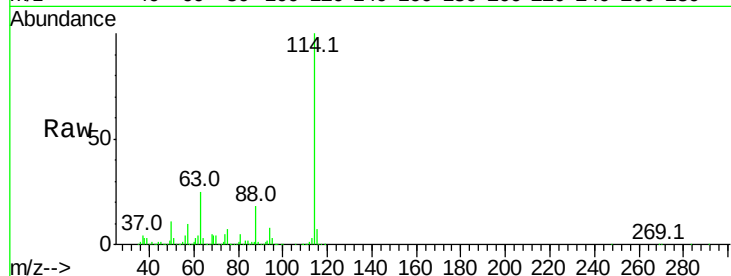




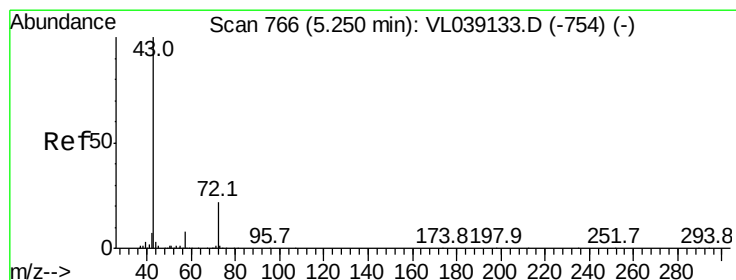
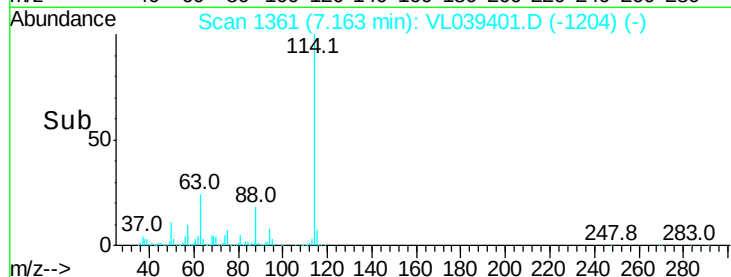
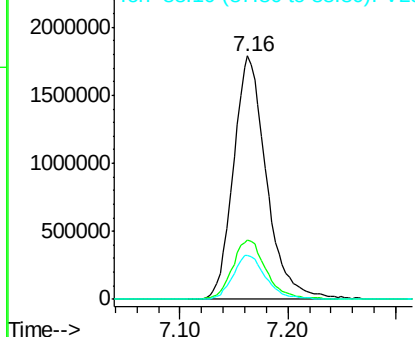
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 BFB
 Acq: 29 Jun 2022 17:30

Tgt Ion: 114 Resp: 3807478

Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.2	30.4
88	18.3	14.5	21.7



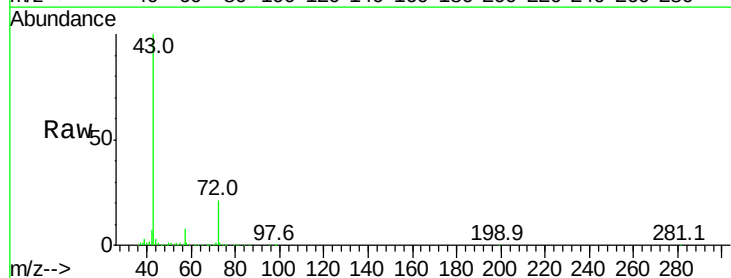
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



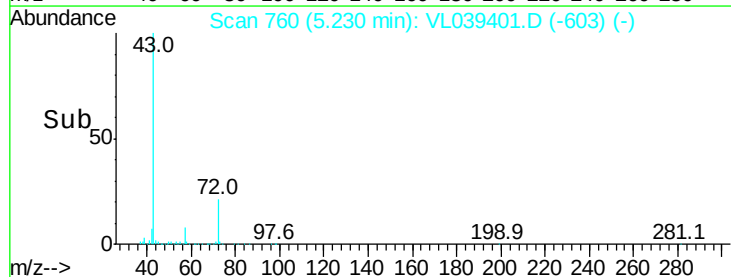
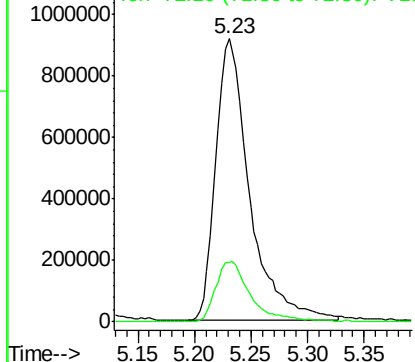
#34
 2-Butanone
 Concen: 9.93 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VL039401.D
 Acq: 29 Jun 2022 17:30

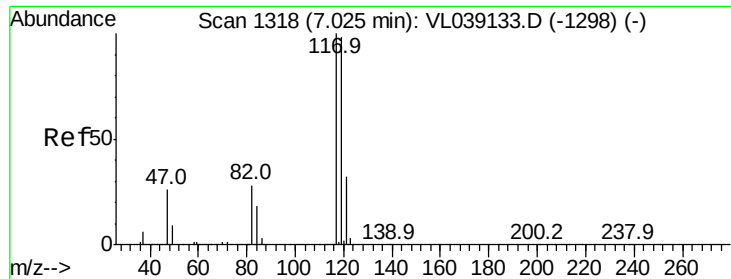
Tgt Ion: 43 Resp: 1904061

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.9	26.9



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





#35

Carbon Tetrachloride

Concen: 9.37 ppbv

RT: 7.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 17:30

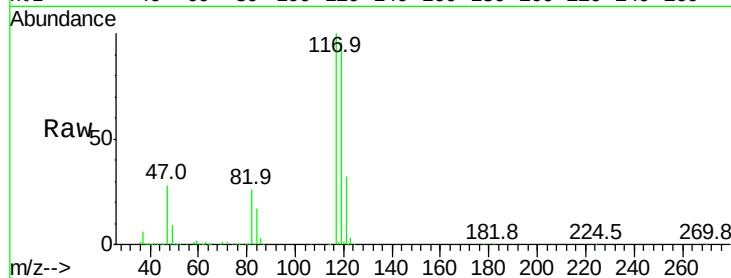
Tgt Ion:117 Resp: 2205224

Ion Ratio Lower Upper

117 100

119 96.1 75.4 113.2

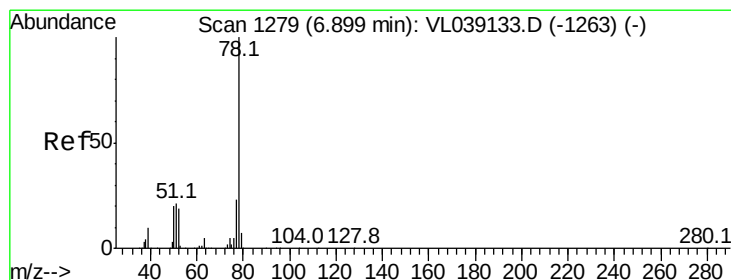
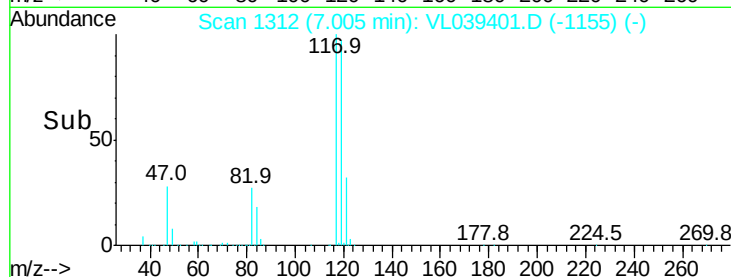
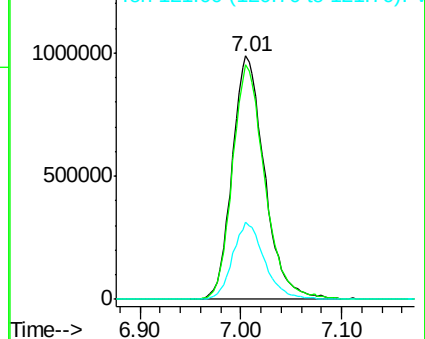
121 31.7 24.2 36.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.52 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

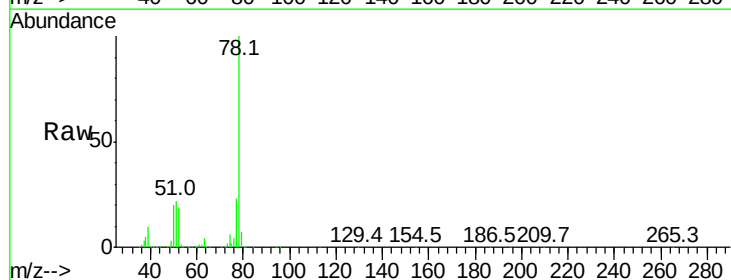
Tgt Ion: 78 Resp: 2804296

Ion Ratio Lower Upper

78 100

77 23.1 20.3 30.5

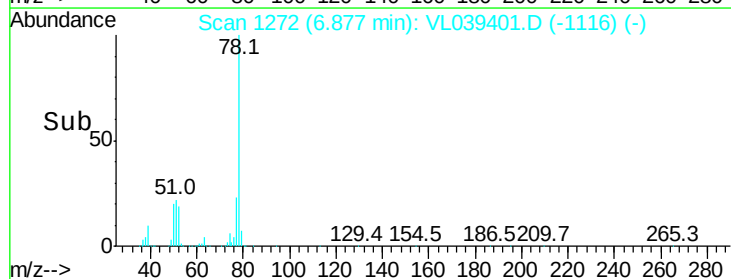
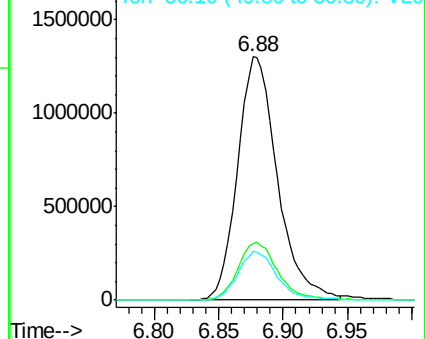
50 20.2 15.5 23.3

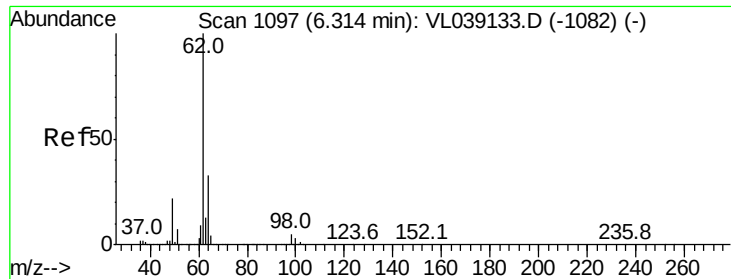


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

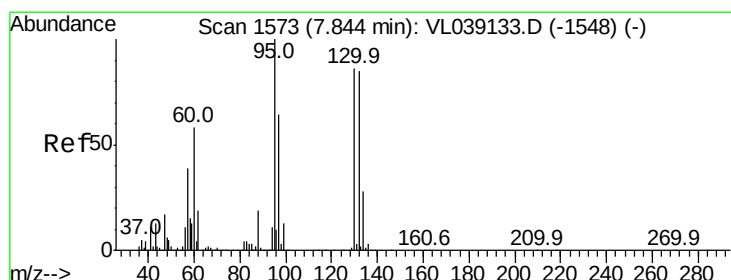
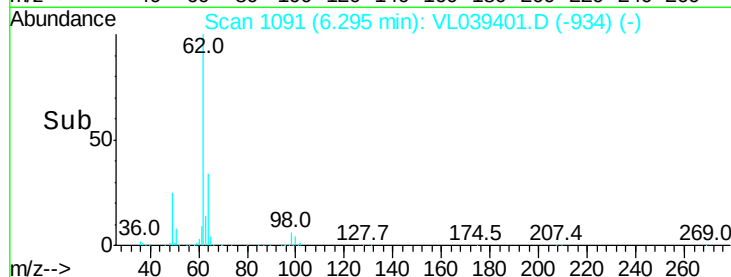
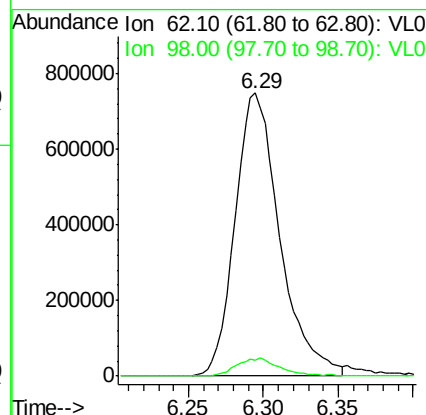
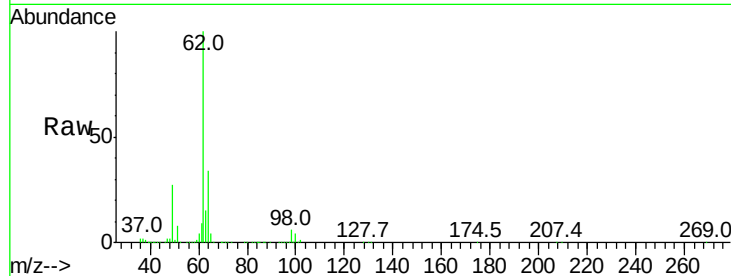
Ion 50.10 (49.80 to 50.80): VL0





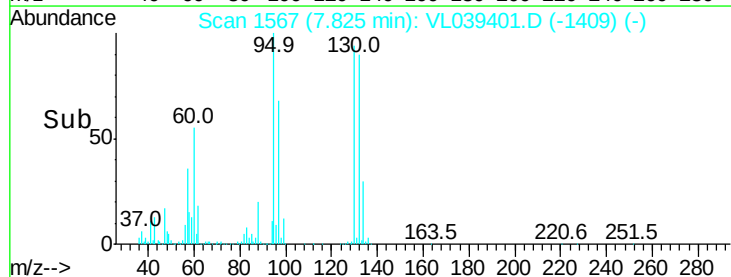
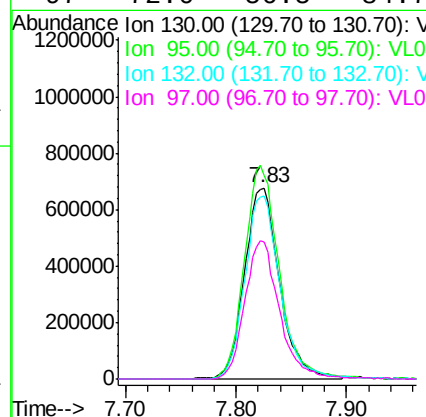
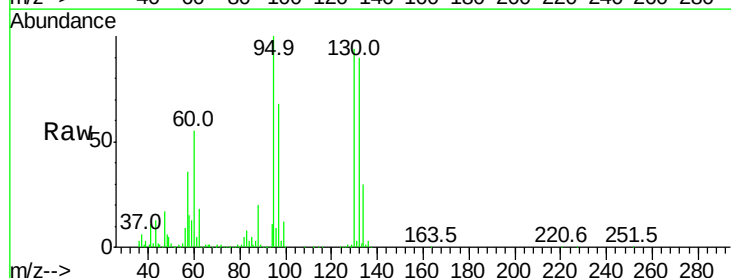
#37
 1,2-Dichloroethane
 Concen: 8.95 ppbv
 RT: 6.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 BFB
 Acq: 29 Jun 2022 17:30

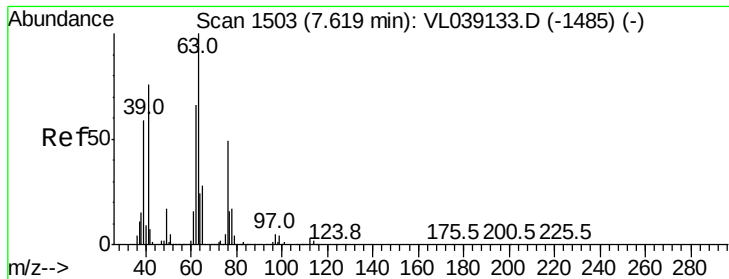
Tgt Ion: 62 Resp: 1555997
 Ion Ratio Lower Upper
 62 100
 98 6.7 5.1 7.7



#38
 Trichloroethene
 Concen: 9.30 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL039401.D
 Acq: 29 Jun 2022 17:30

Tgt Ion: 130 Resp: 1482096
 Ion Ratio Lower Upper
 130 100
 95 106.6 87.3 130.9
 132 96.1 76.7 115.1
 97 72.0 56.5 84.7

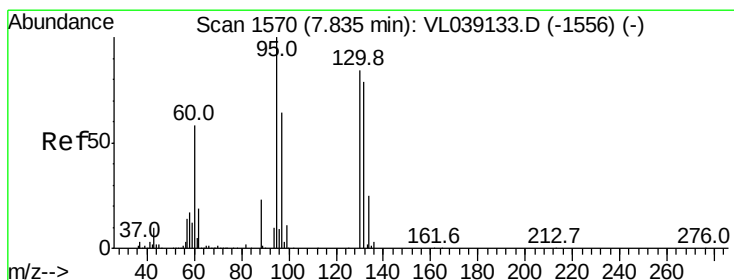
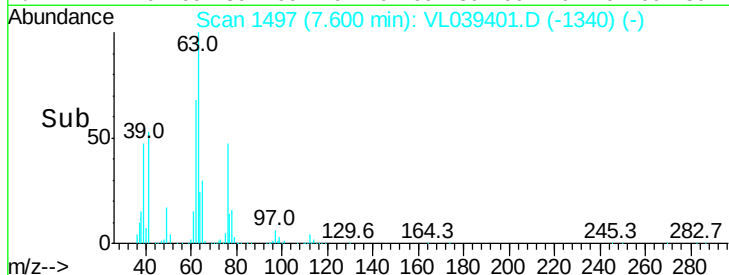
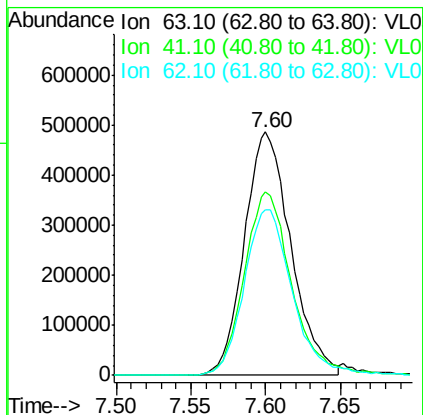
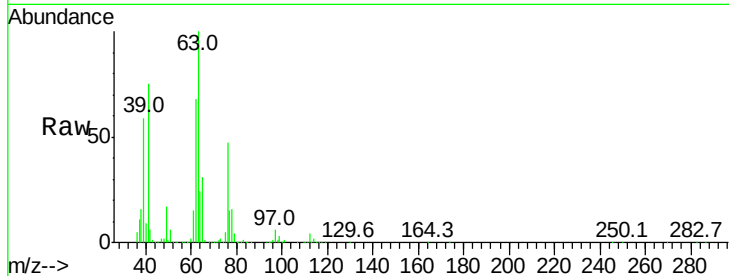




#39
 1,2-Dichloropropane
 Concen: 9.53 ppbv
 RT: 7.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 BFB
 Acq: 29 Jun 2022 17:30

Tgt Ion: 63 Resp: 1048678

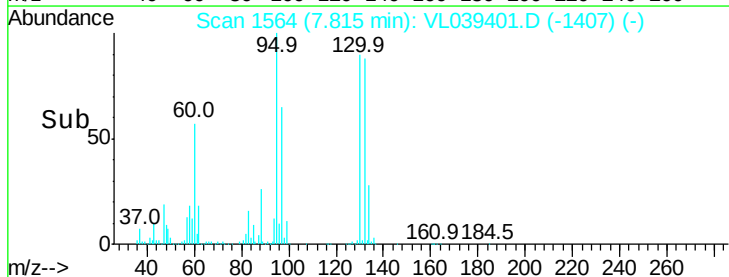
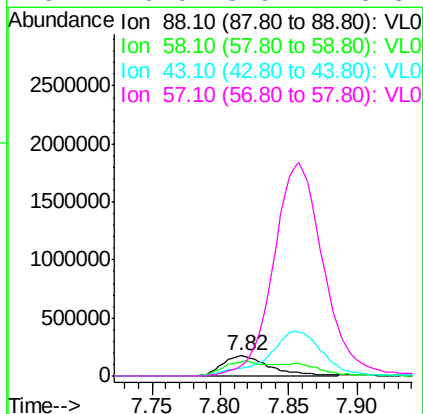
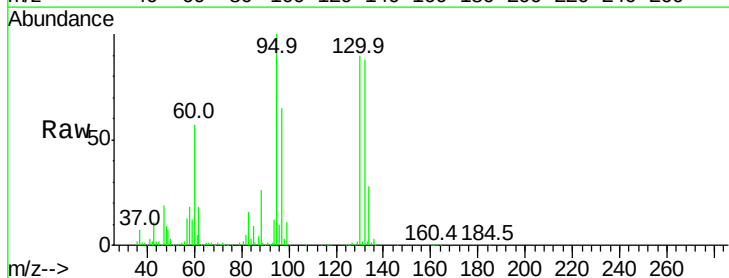
Ion	Ratio	Lower	Upper
63	100		
41	75.4	59.6	89.4
62	68.2	51.4	77.0

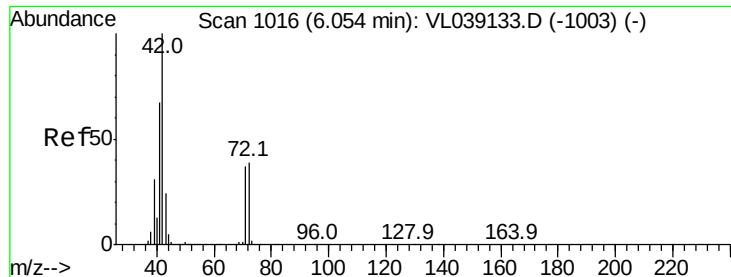


#40
 1,4-Dioxane
 Concen: 9.53 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VL039401.D
 Acq: 29 Jun 2022 17:30

Tgt Ion: 88 Resp: 418037

Ion	Ratio	Lower	Upper
88	100		
58	125.7	100.2	150.4
43	0.0	205.8	308.6#
57	0.0	879.1	1318.7#





#41

Tetrahydrofuran

Concen: 10.36 ppbv

RT: 6.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Jun 2022 17:30 BFB

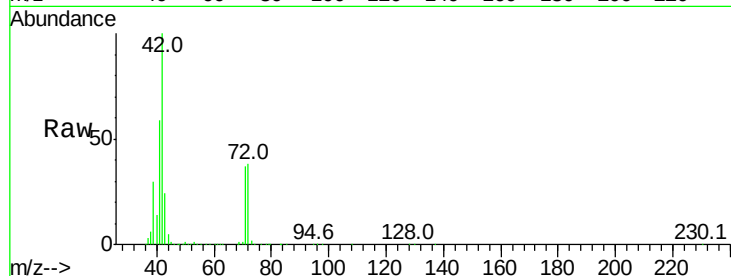
Tgt Ion: 42 Resp: 1150576

Ion Ratio Lower Upper

42 100

72 39.6 31.8 47.8

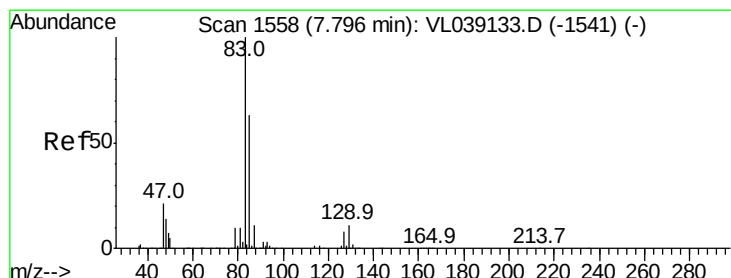
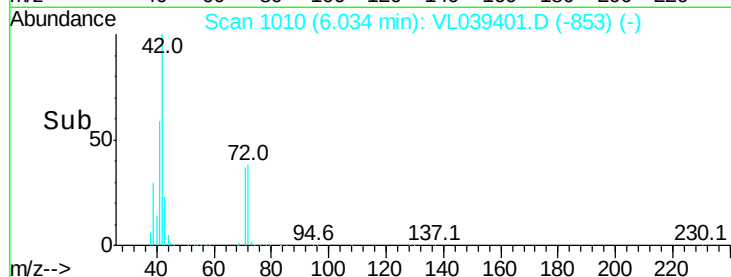
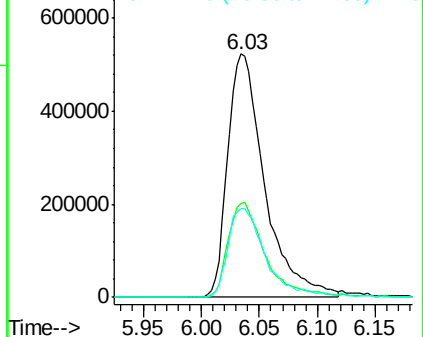
71 38.3 31.8 47.8



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: 9.72 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

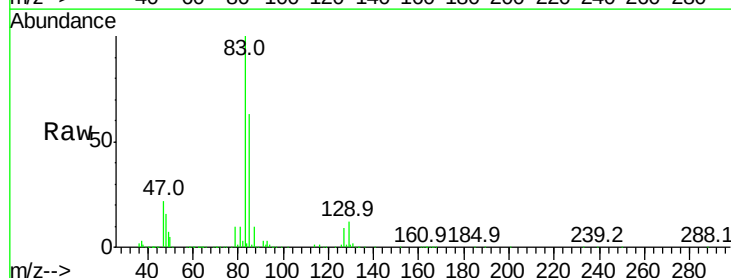
Tgt Ion: 83 Resp: 2279399

Ion Ratio Lower Upper

83 100

85 62.9 50.7 76.1

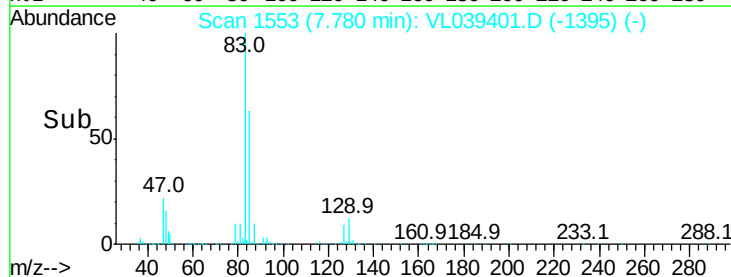
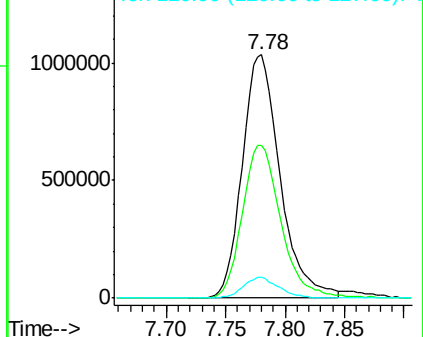
127 8.5 6.6 9.8

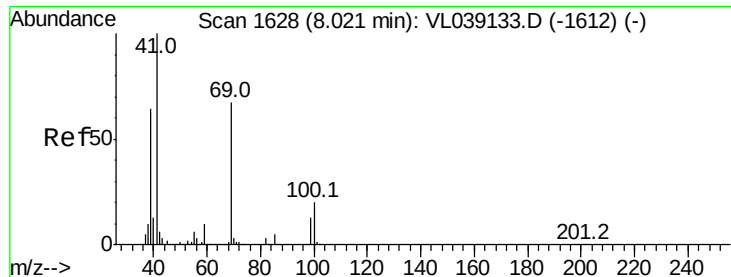


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.33 ppbv

RT: 8.00

Instrument: MSVOA_1

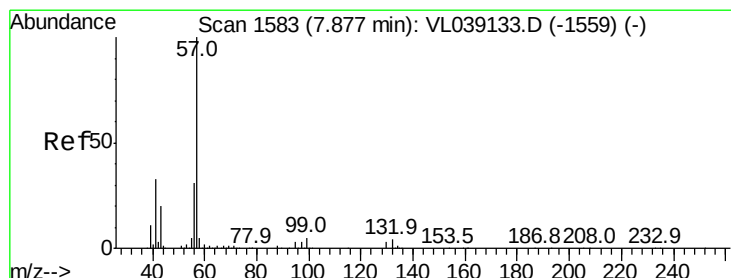
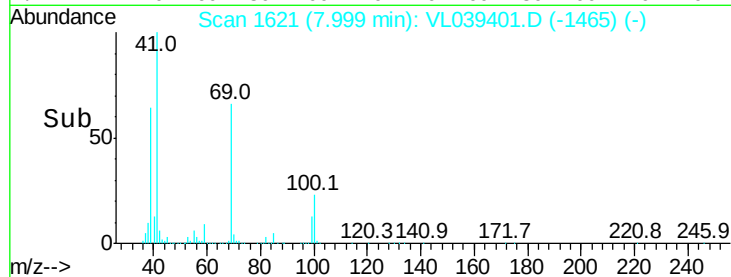
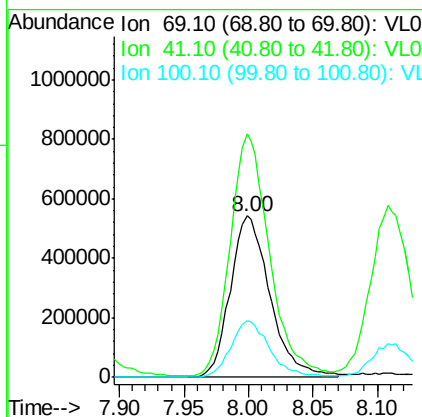
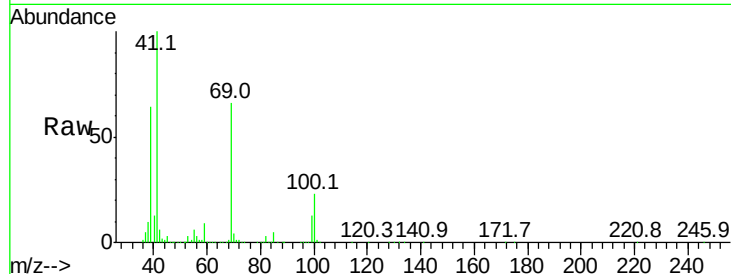
Delta R.T. ClientSampleId:

Lab File: BFB

Acq: 29 Jun 2022 17:30

Tgt Ion: 69 Resp: 1157840

Ion	Ratio	Lower	Upper
69	100		
41	149.6	120.8	181.2
100	34.7	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 9.41 ppbv

RT: 7.86 min Scan# 1577

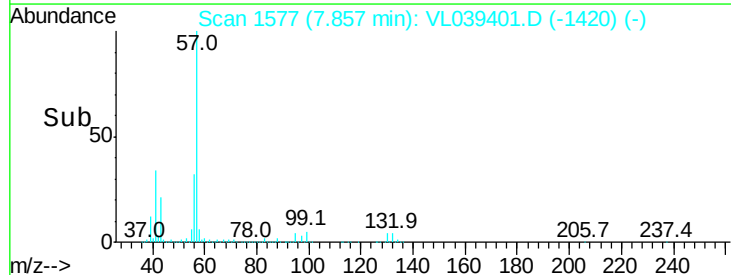
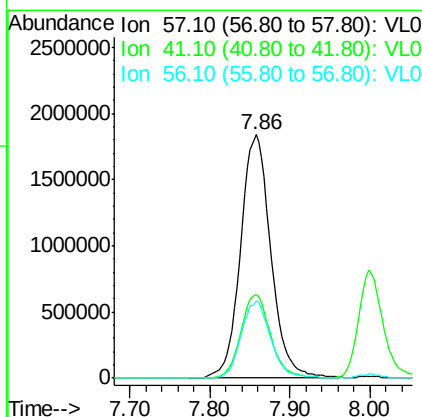
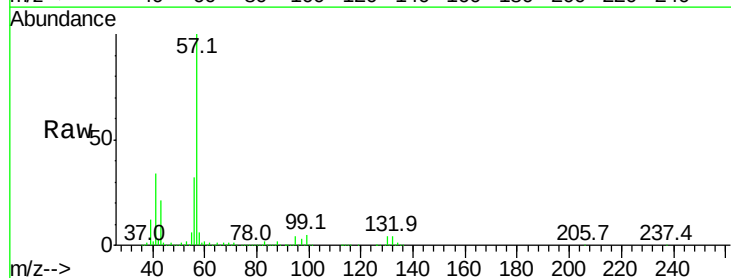
Delta R.T. 0.01 min

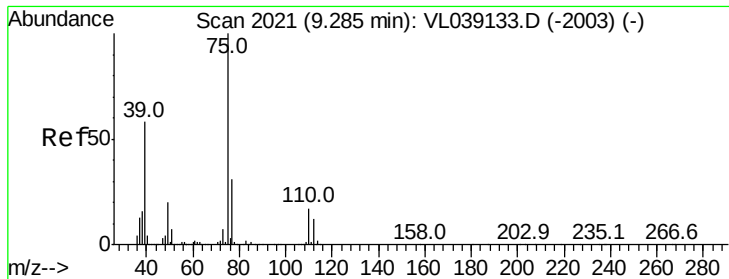
Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion: 57 Resp: 4699064

Ion	Ratio	Lower	Upper
57	100		
41	33.6	27.4	41.2
56	30.8	24.5	36.7





#45

t-1,3-Dichloropropene

Concen: 12.08 ppbv

RT: 9.26 Instrument: MSVOA_1

Delta R.T. BFB

Lab File: ClientSampleId:

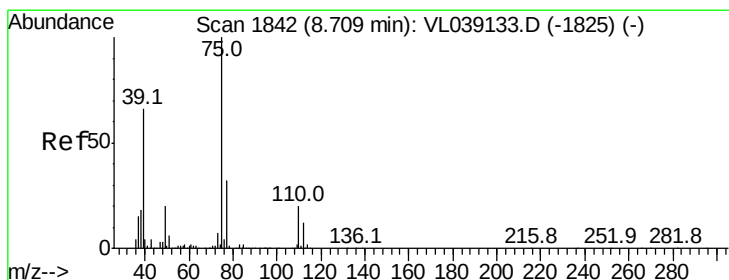
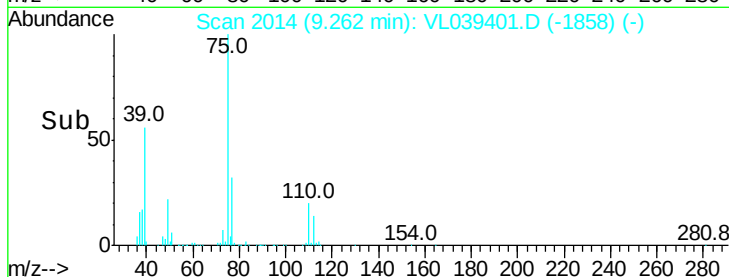
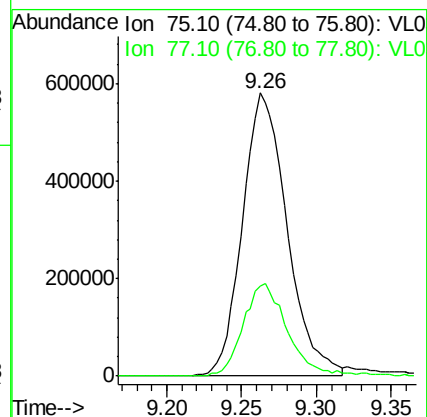
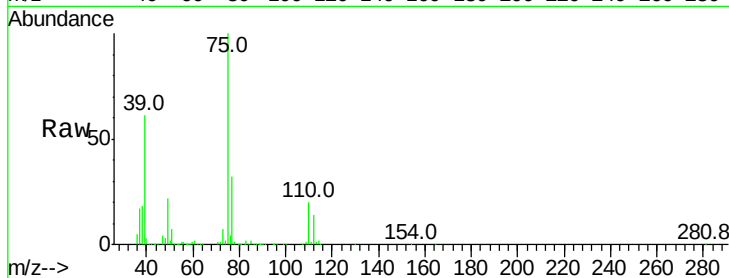
Acq: 29 Jun 2022 17:30

Tgt Ion: 75 Resp: 1204883

Ion Ratio Lower Upper

75 100

77 32.0 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 11.22 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

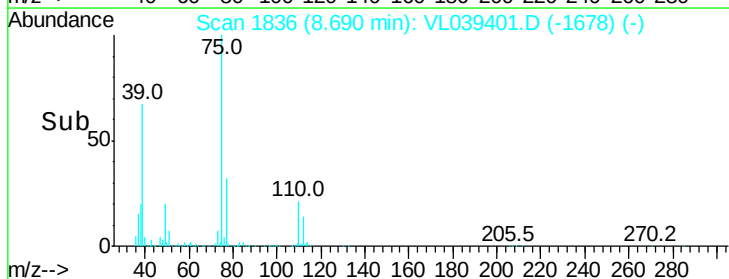
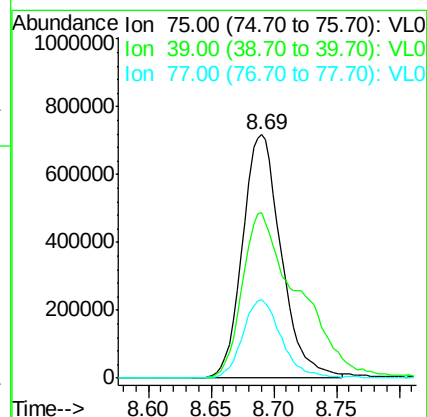
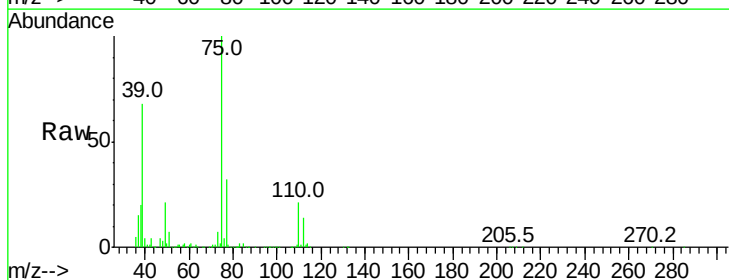
Tgt Ion: 75 Resp: 1541058

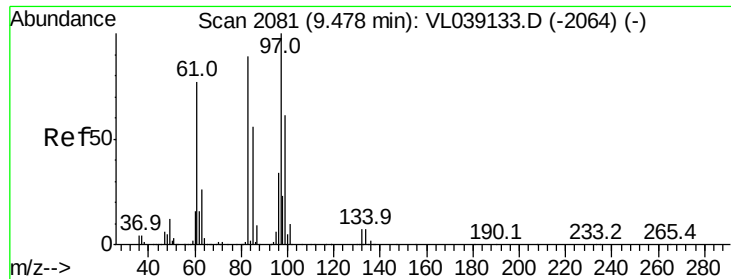
Ion Ratio Lower Upper

75 100

39 67.8 55.0 82.4

77 32.2 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 9.47 ppbv

RT: 9.46 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Jun 2022 17:30 BFB

Tgt Ion: 97 Resp: 1170094

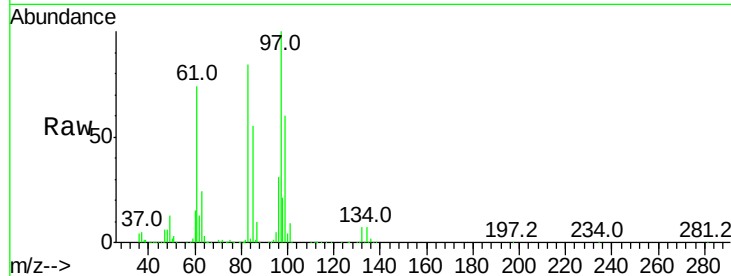
Ion Ratio Lower Upper

97 100

83 84.0 67.4 101.0

85 54.6 45.1 67.7

99 60.3 48.6 73.0

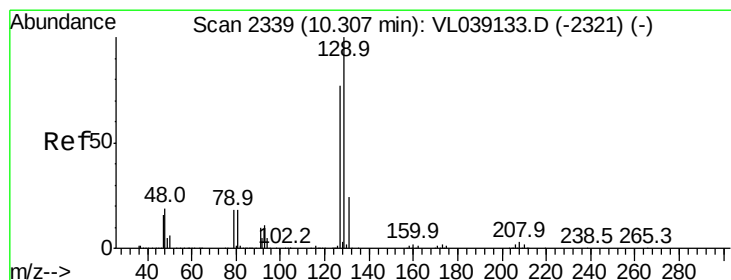
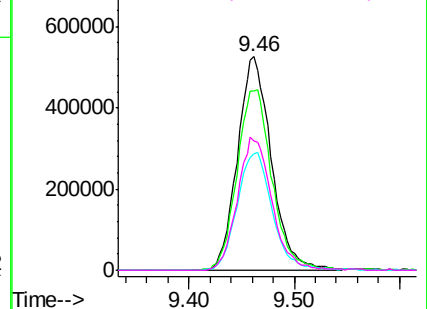
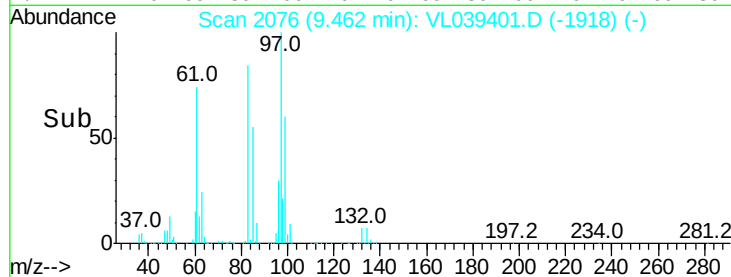


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.37 ppbv

RT: 10.29 min Scan# 2334

Delta R.T. 0.01 min

Lab File: VL039401.D

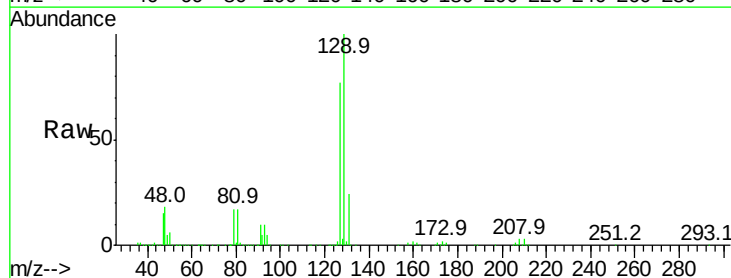
Acq: 29 Jun 2022 17:30

Tgt Ion: 129 Resp: 2035516

Ion Ratio Lower Upper

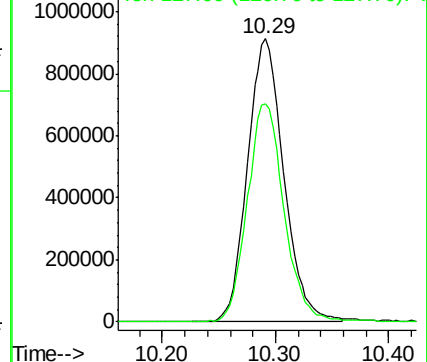
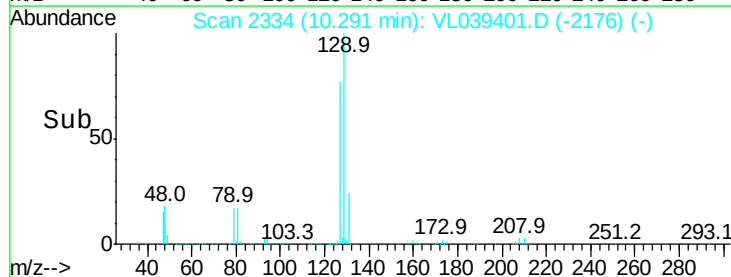
129 100

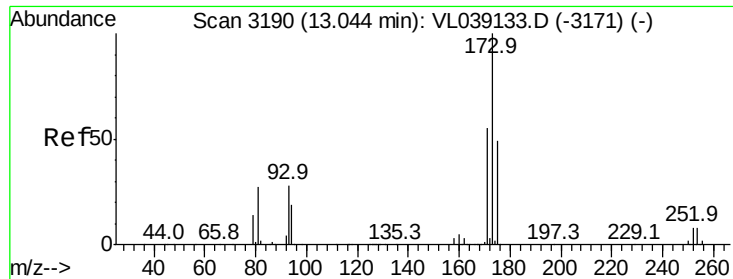
127 78.9 39.3 117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.82 ppbv

RT: 13.03

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 17:30

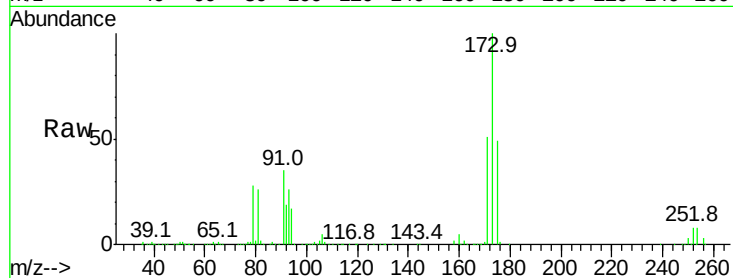
Tgt Ion: 173 Resp: 1713947

Ion Ratio Lower Upper

173 100

175 50.9 40.3 60.5

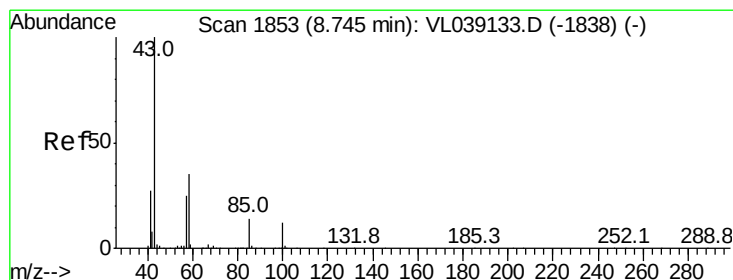
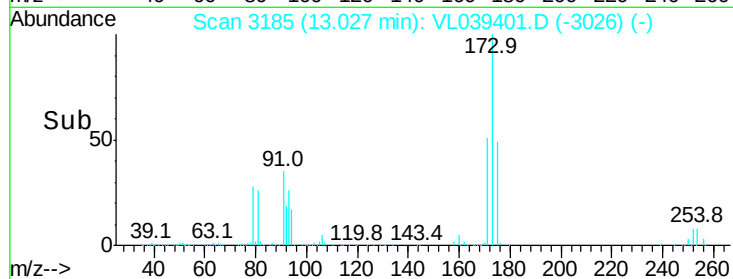
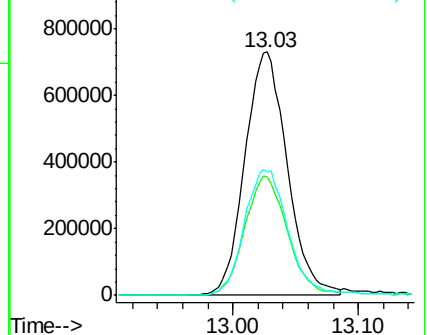
171 53.9 42.9 64.3



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: 10.16 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.01 min

Lab File: VL039401.D

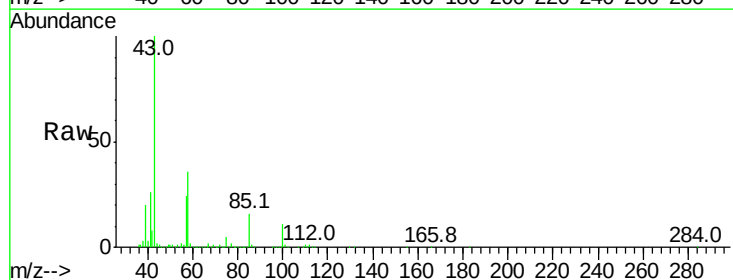
Acq: 29 Jun 2022 17:30

Tgt Ion: 43 Resp: 2944410

Ion Ratio Lower Upper

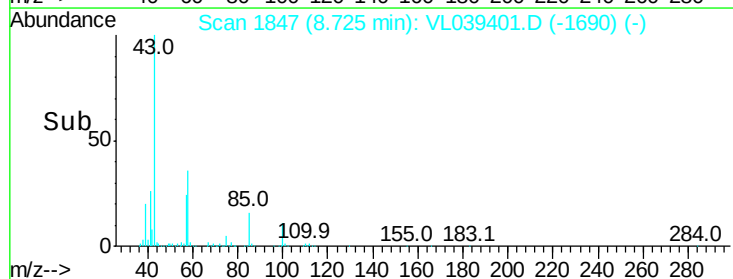
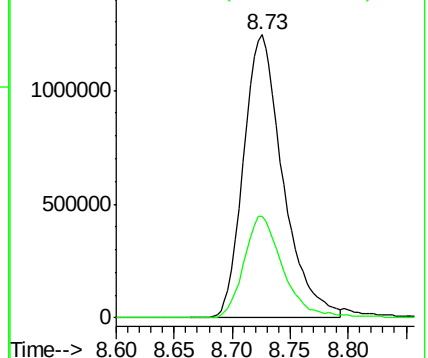
43 100

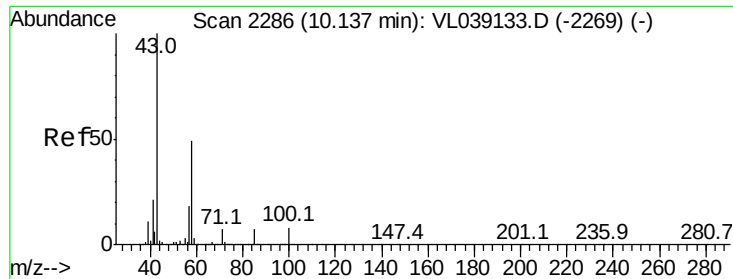
58 36.1 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

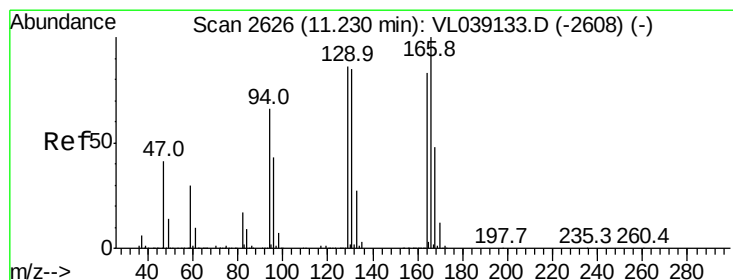
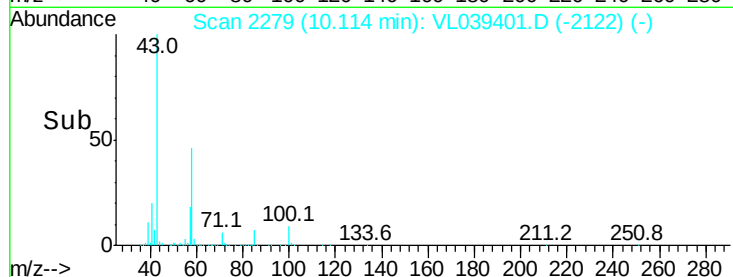
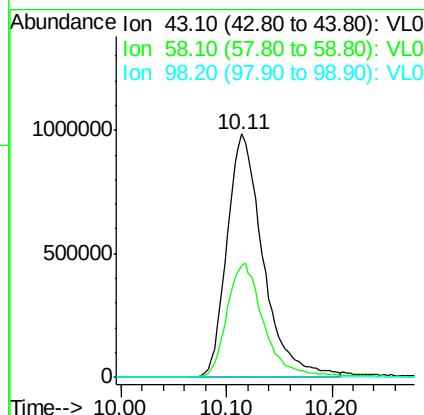
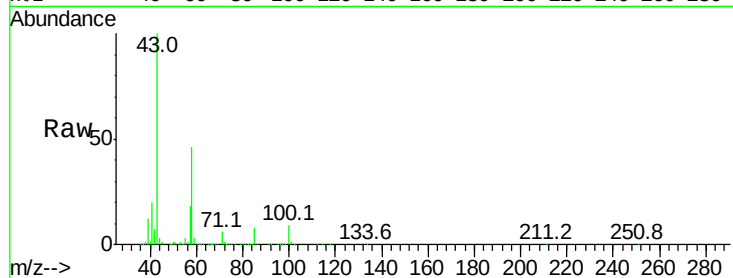
Ion 58.10 (57.80 to 58.80): VL0





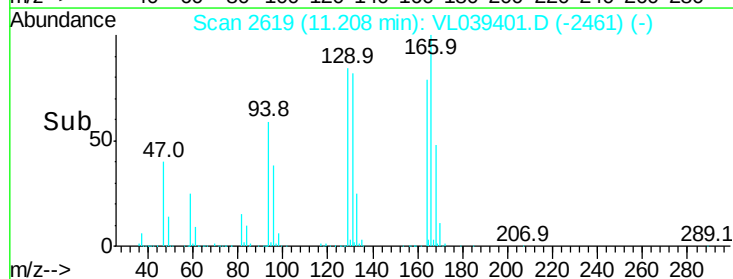
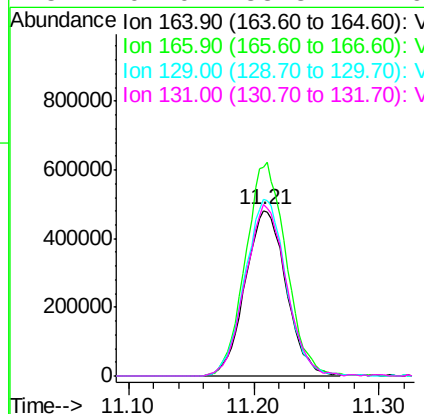
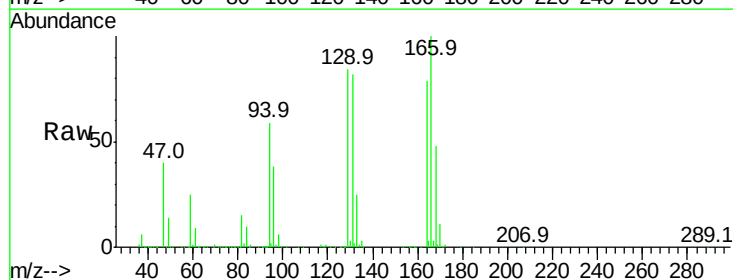
#51
2-Hexanone
Concen: 10.66 ppbv
RT: 10.11 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Jun 2022 17:30

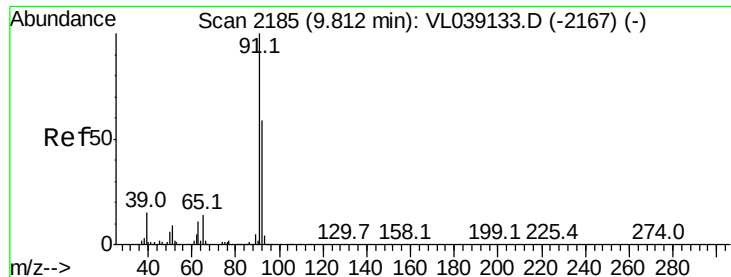
Tgt Ion: 43 Resp: 2336542
Ion Ratio Lower Upper
43 100
58 48.3 38.4 57.6
98 0.1 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.20 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. 0.01 min
Lab File: VL039401.D
Acq: 29 Jun 2022 17:30

Tgt Ion: 164 Resp: 1091717
Ion Ratio Lower Upper
164 100
166 126.3 102.2 153.2
129 106.7 85.8 128.8
131 104.0 83.3 124.9





#53

Toluene

Concen: 9.91 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

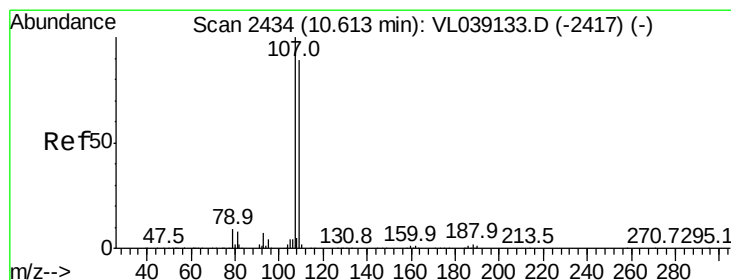
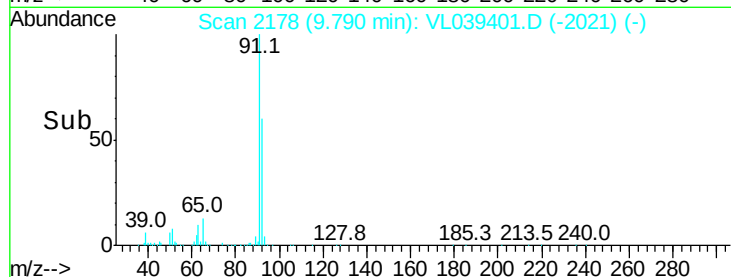
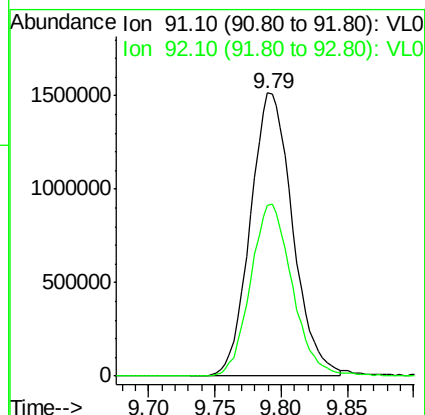
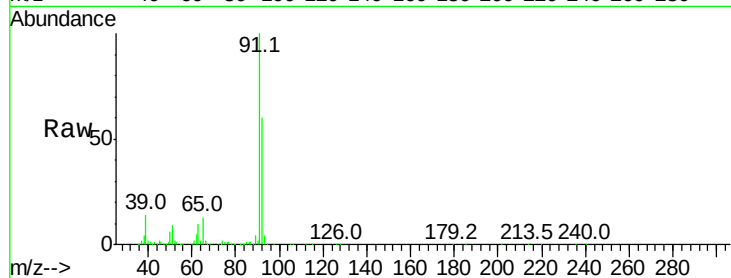
Acq: 29 Jun 2022 17:30 BFB

Tgt Ion: 91 Resp: 3368075

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.07 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL039401.D

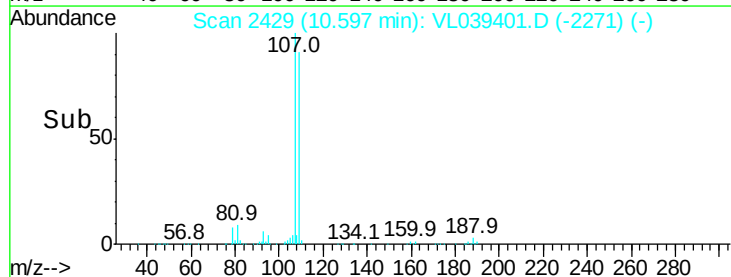
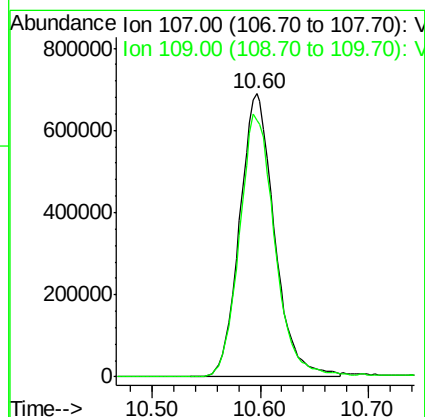
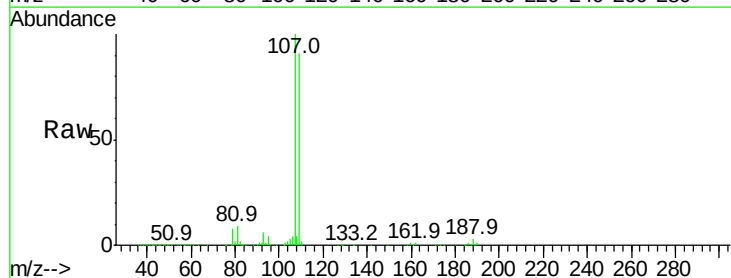
Acq: 29 Jun 2022 17:30

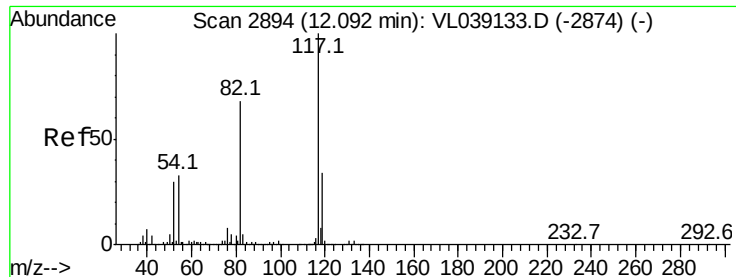
Tgt Ion: 107 Resp: 1547831

Ion Ratio Lower Upper

107 100

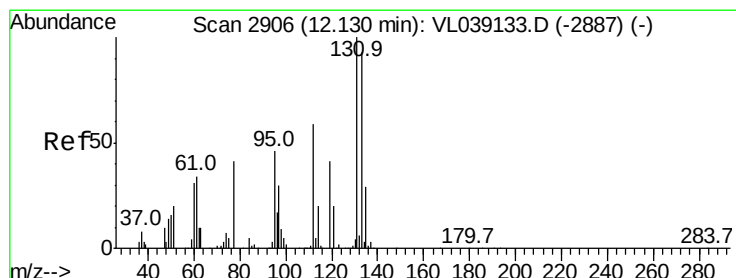
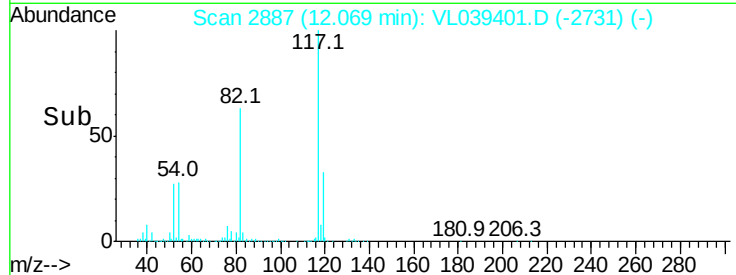
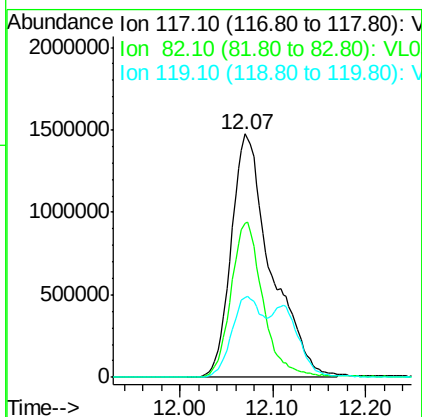
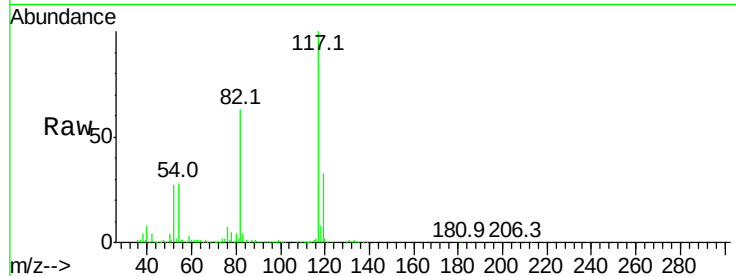
109 90.8 74.8 112.2





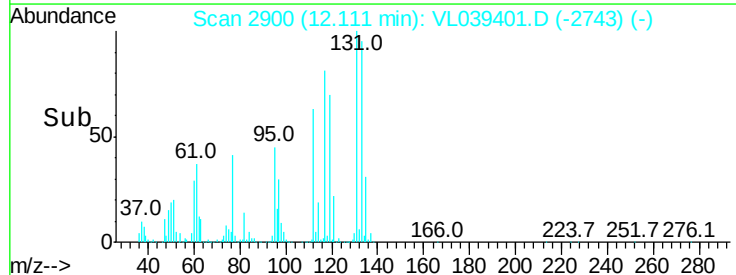
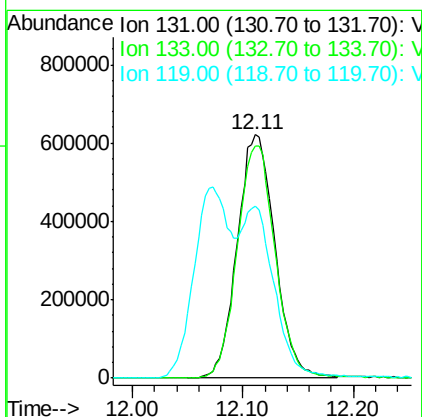
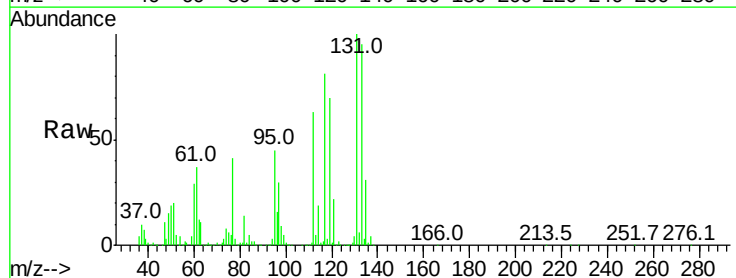
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Jun 2022 17:30

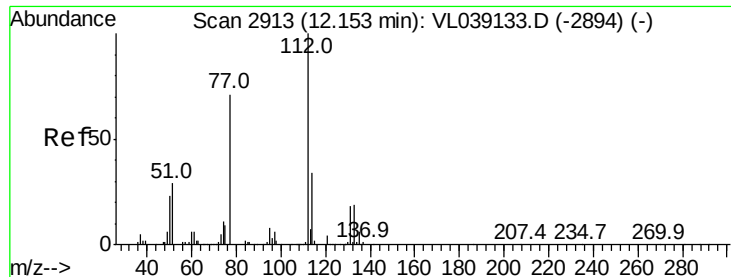
Tgt Ion:117 Resp: 4388143
Ion Ratio Lower Upper
117 100
82 51.8 50.8 76.2
119 47.4 24.1 36.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.57 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL039401.D
Acq: 29 Jun 2022 17:30

Tgt Ion:131 Resp: 1467714
Ion Ratio Lower Upper
131 100
133 97.0 76.8 115.2
119 141.7 46.2 69.4#

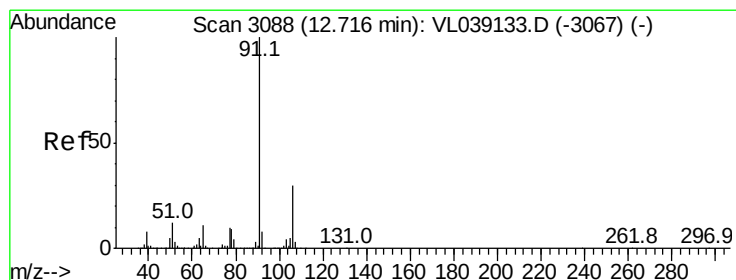
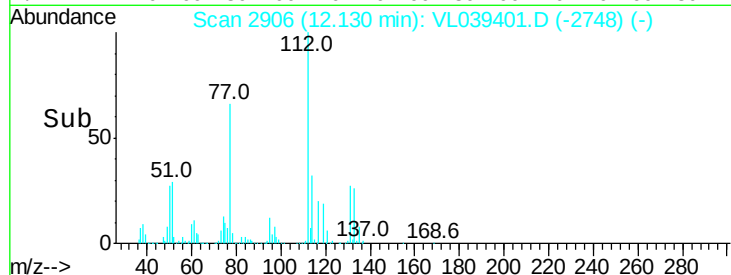
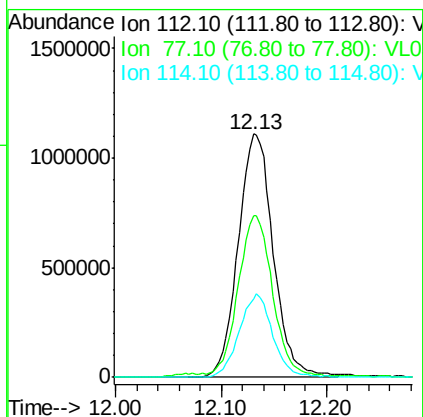
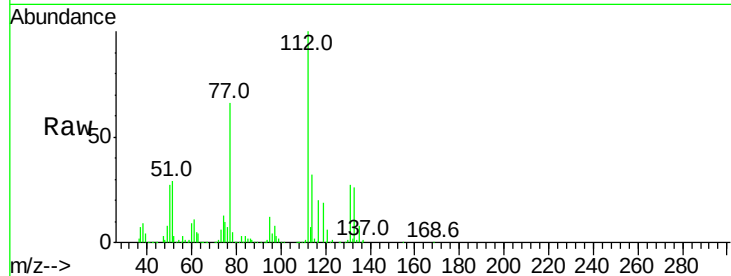




#57
Chlorobenzene
Concen: 7.53 ppbv
RT: 12.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
BFB
Acq: 29 Jun 2022 17:30

Tgt Ion: 112 Resp: 2562251

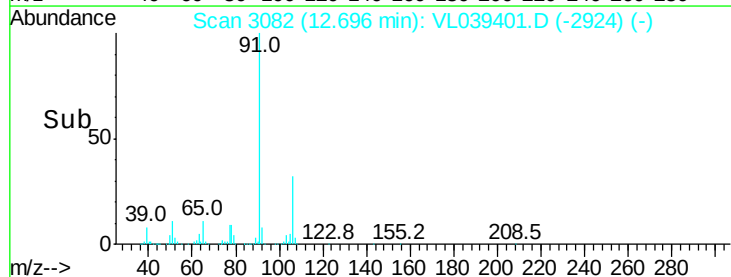
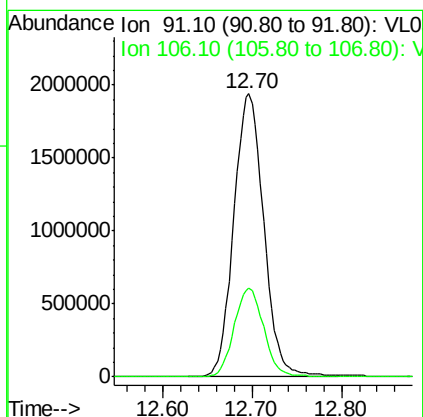
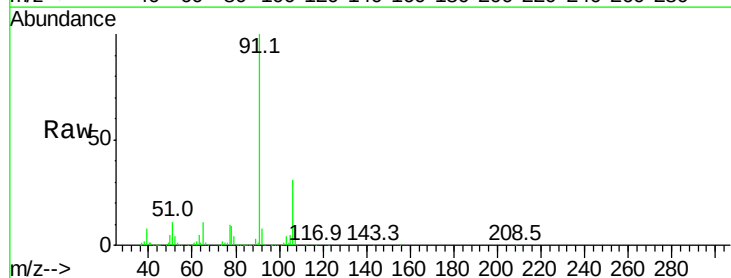
Ion	Ratio	Lower	Upper
112	100		
77	65.6	51.0	76.4
114	32.3	27.5	33.6

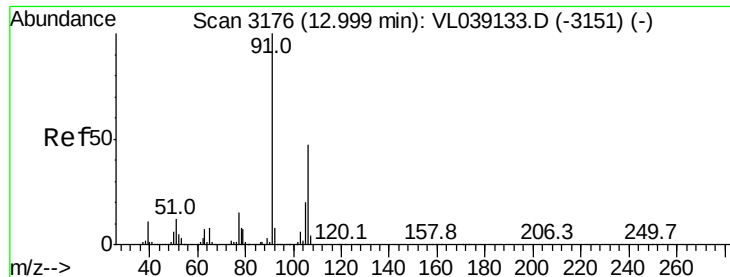


#58
Ethyl Benzene
Concen: 8.01 ppbv
RT: 12.70 min Scan# 3082
Delta R.T.: 0.01 min
Lab File: VL039401.D
Acq: 29 Jun 2022 17:30

Tgt Ion: 91 Resp: 4536119

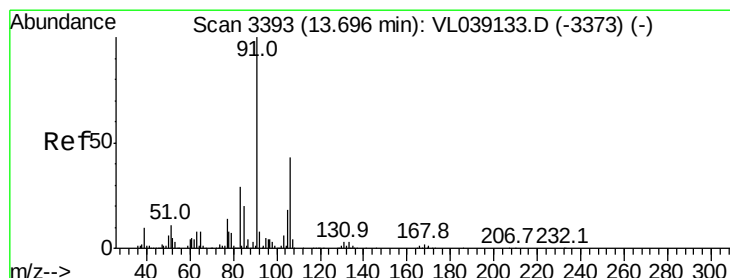
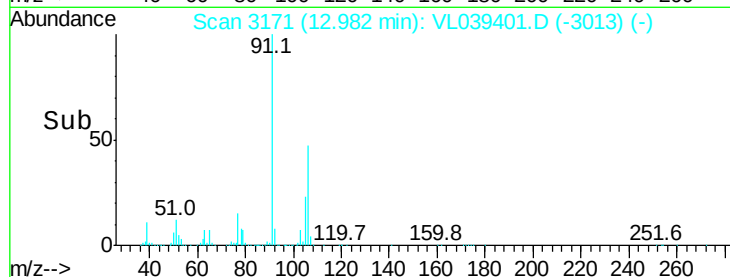
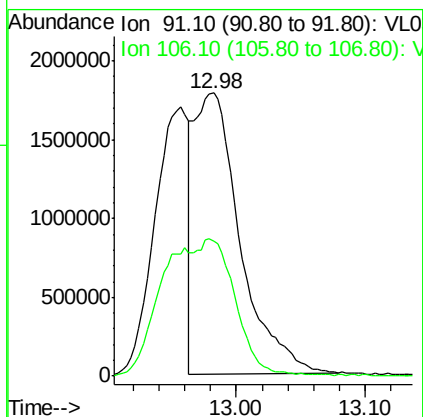
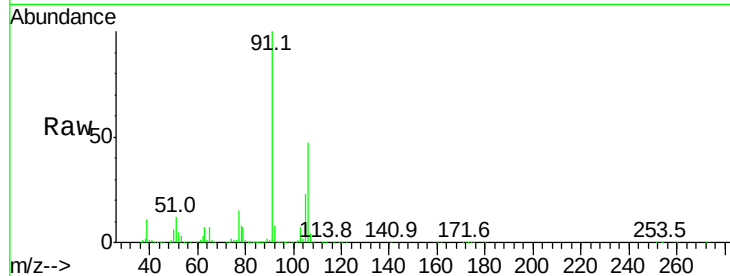
Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.4	38.0





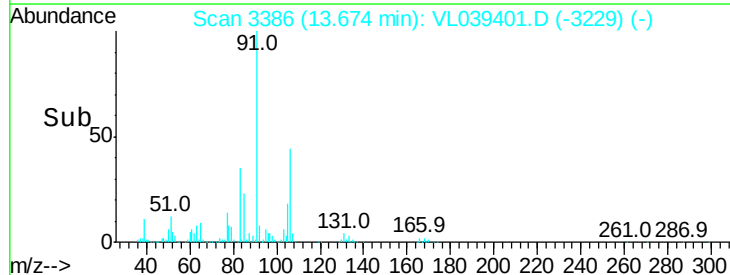
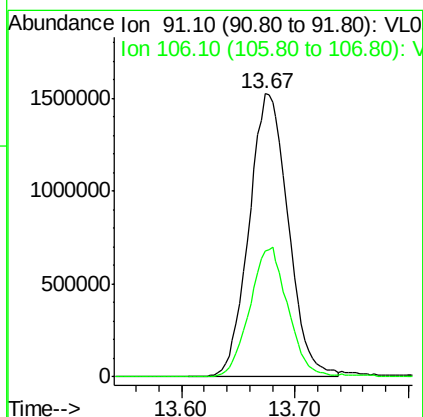
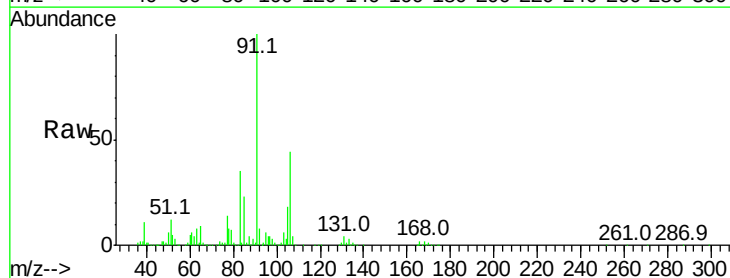
#59
m/p-Xylene
Concen: 8.82 ppbv
RT: 12.98 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Jun 2022 17:30

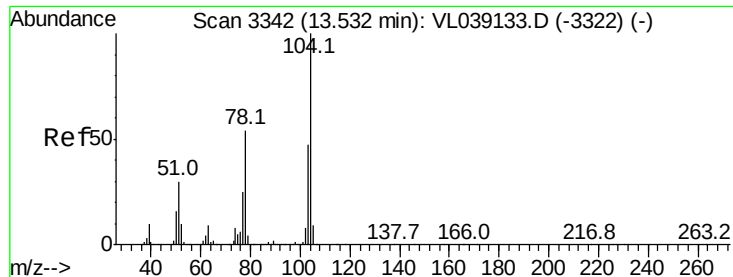
Tgt Ion: 91 Resp: 4406857
Ion Ratio Lower Upper
91 100
106 77.8 35.4 53.2#



#60
o-Xylene
Concen: 7.75 ppbv
RT: 13.67 min Scan# 3386
Delta R.T.: 0.01 min
Lab File: VL039401.D
Acq: 29 Jun 2022 17:30

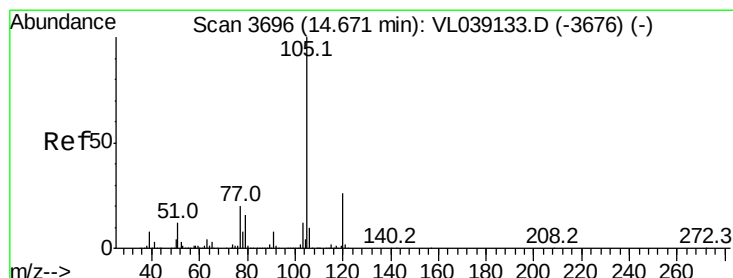
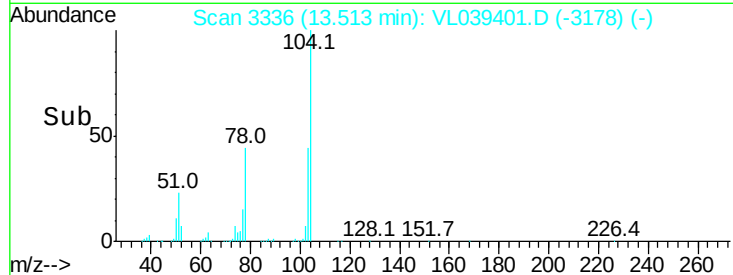
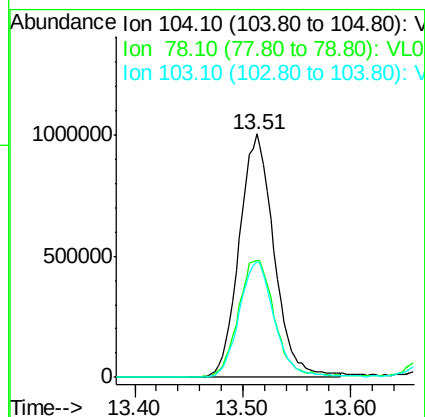
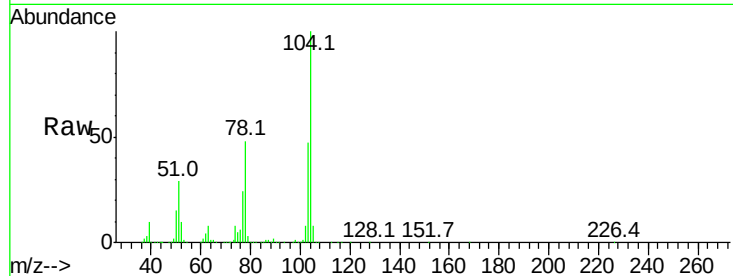
Tgt Ion: 91 Resp: 3665115
Ion Ratio Lower Upper
91 100
106 45.3 22.4 67.3





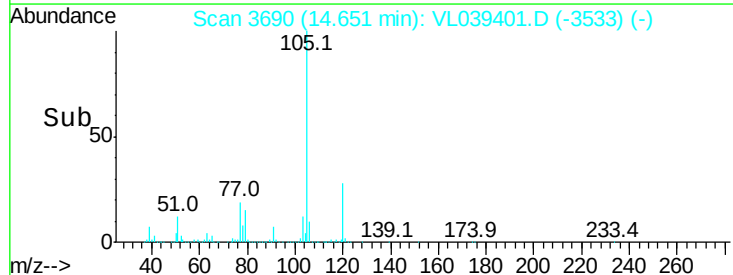
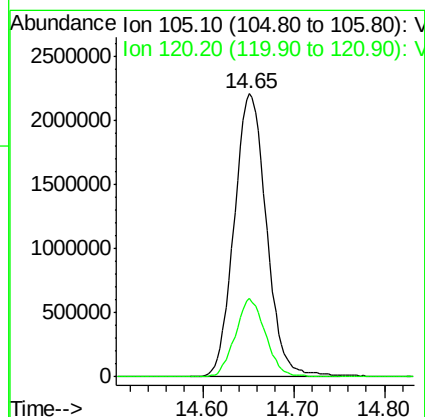
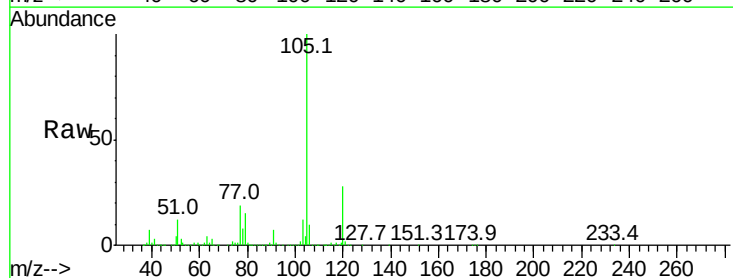
#61
Styrene
Concen: 8.82 ppbv
RT: 13.51 min
Delta R.T.: 0.01 min
Lab File: VL039401.D
Acq: 29 Jun 2022 17:30

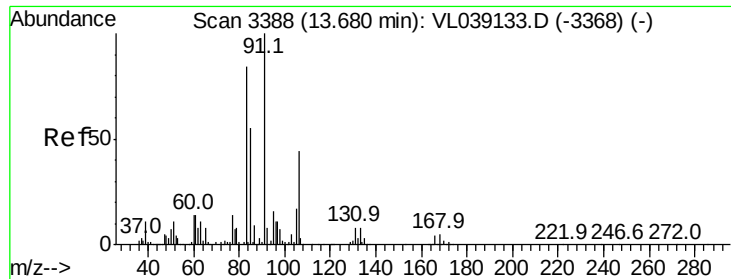
Tgt Ion: 104 Resp: 2259434
Ion Ratio Lower Upper
104 100
78 50.6 41.2 61.8
103 48.2 38.7 58.1



#62
Isopropylbenzene
Concen: 7.55 ppbv
RT: 14.65 min Scan# 3690
Delta R.T.: 0.01 min
Lab File: VL039401.D
Acq: 29 Jun 2022 17:30

Tgt Ion: 105 Resp: 5440021
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.04 ppbv

RT: 13.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 17:30

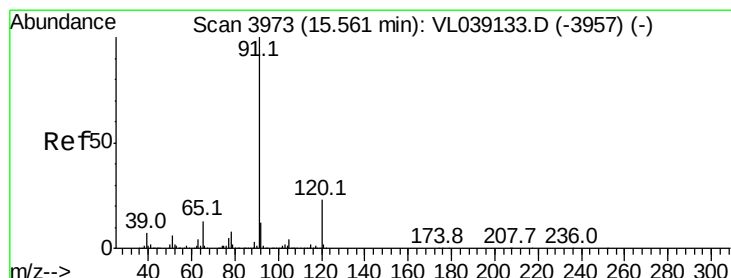
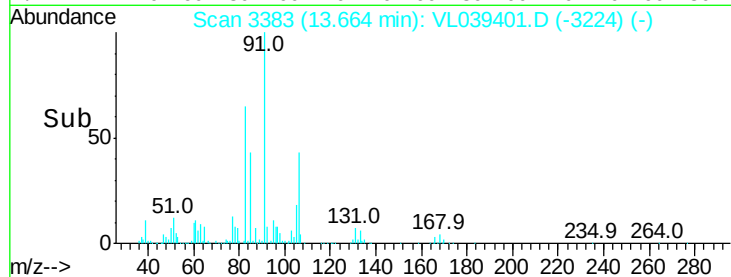
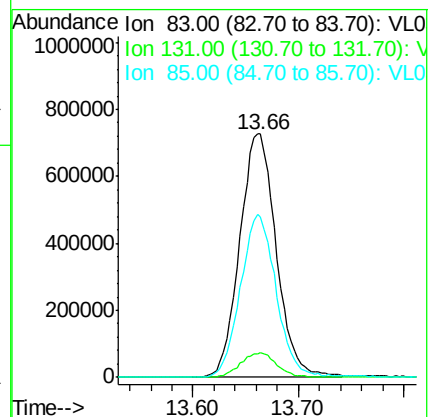
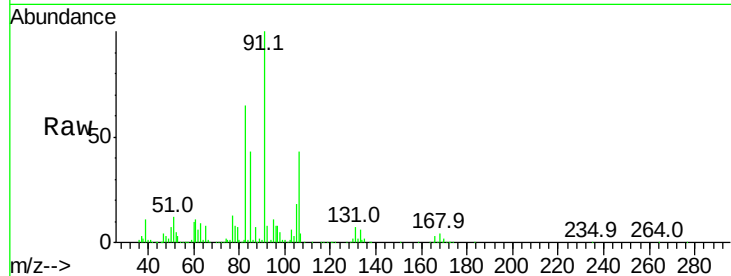
Tgt Ion: 83 Resp: 1745931

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.8

85 66.2 33.1 99.5



#64

n-propylbenzene

Concen: 7.84 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.01 min

Lab File: VL039401.D

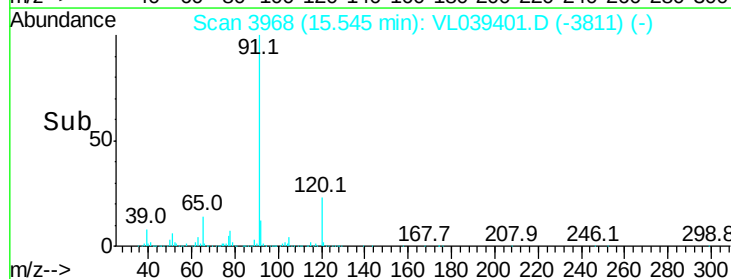
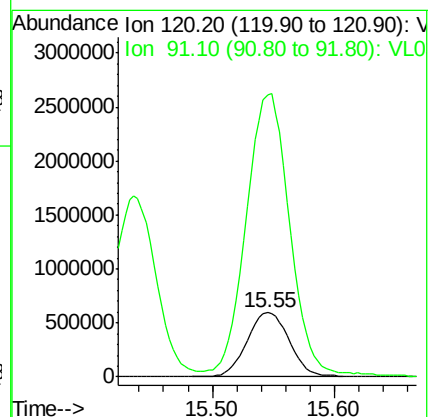
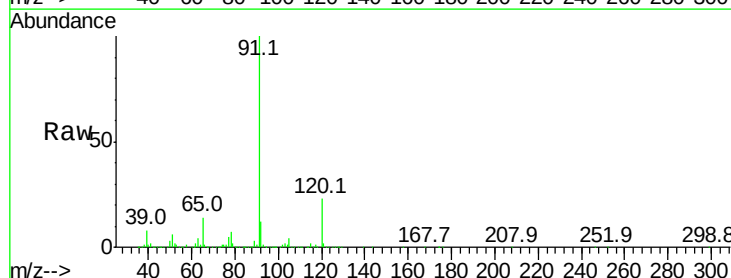
Acq: 29 Jun 2022 17:30

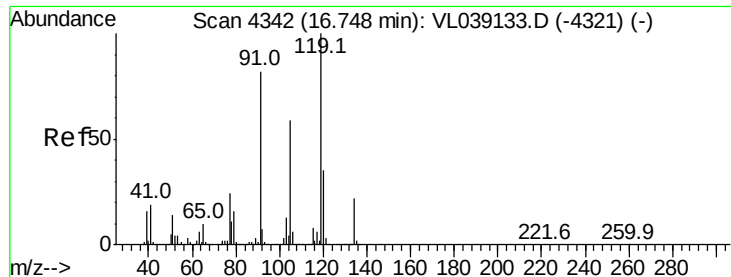
Tgt Ion:120 Resp: 1430555

Ion Ratio Lower Upper

120 100

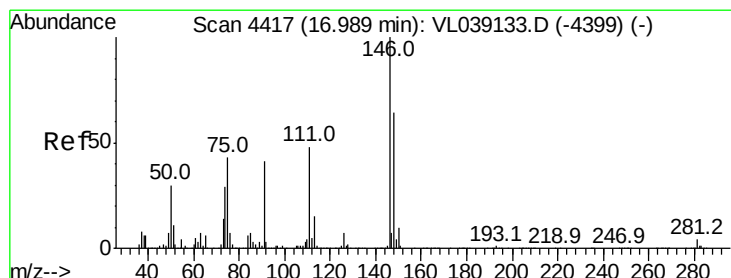
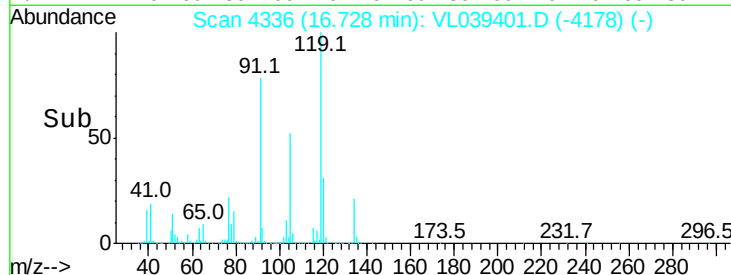
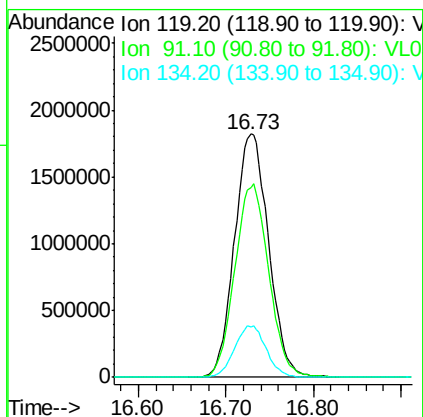
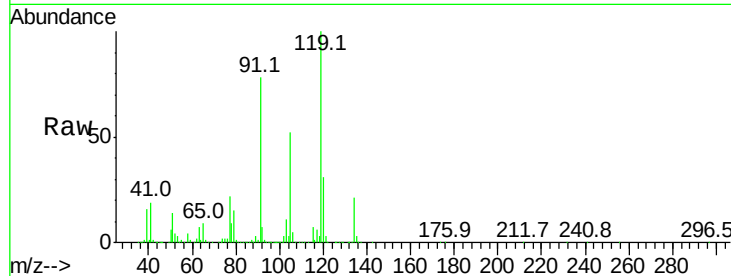
91 457.9 367.2 550.8





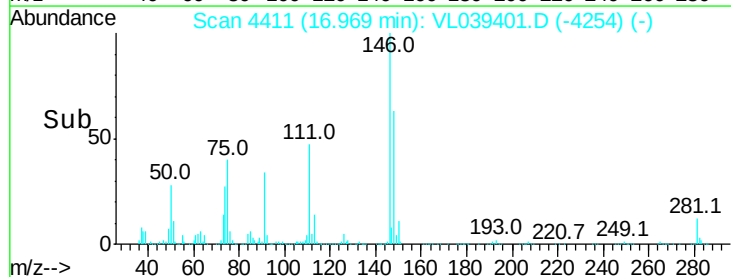
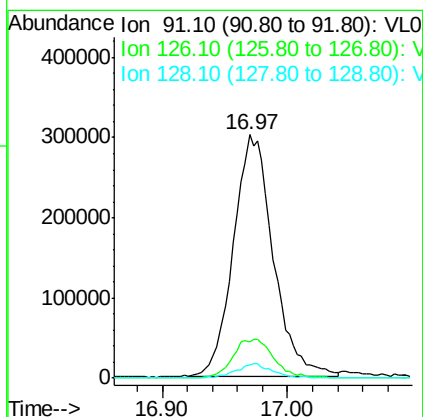
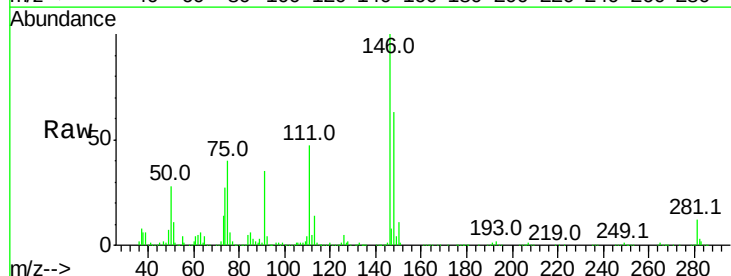
#65
 tert-Butylbenzene
 Concen: 7.41 ppbv
 RT: 16.73 min
 Delta R.T. 0.01 min
 Lab File: VL039401.D
 Acq: 29 Jun 2022 17:30

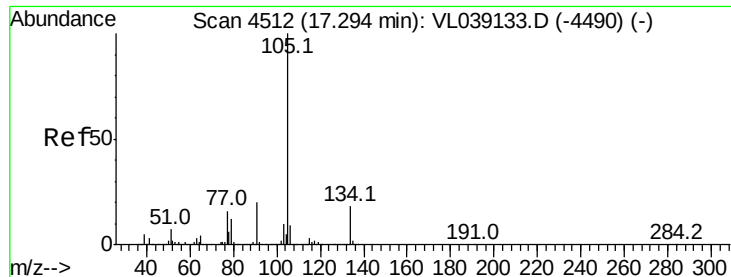
Tgt Ion: 119 Resp: 4929781
 Ion Ratio Lower Upper
 119 100
 91 79.4 63.4 95.2
 134 19.8 15.9 23.9



#66
 Benzyl Chloride
 Concen: 10.49 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. 0.01 min
 Lab File: VL039401.D
 Acq: 29 Jun 2022 17:30

Tgt Ion: 91 Resp: 663583
 Ion Ratio Lower Upper
 91 100
 126 17.0 13.1 19.7
 128 5.4 4.4 6.6





#67

sec-Butylbenzene

Concen: 7.55 ppbv

RT: 17.28

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

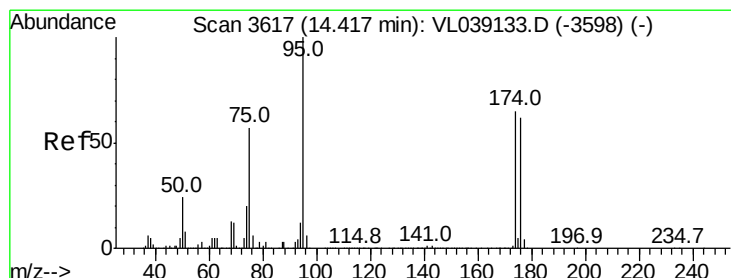
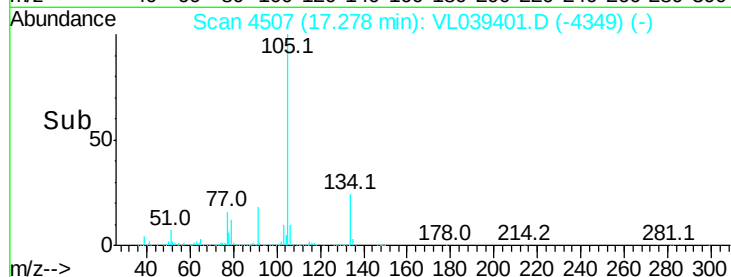
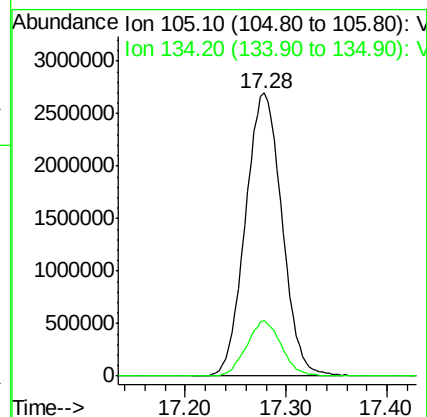
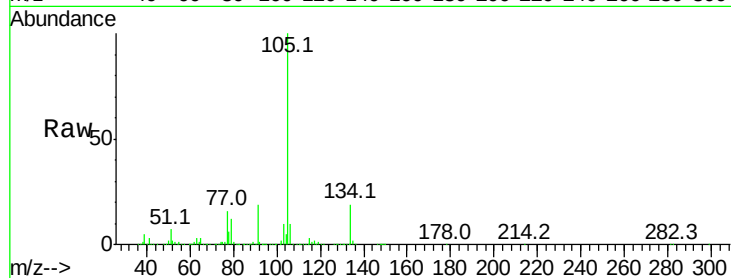
Acq: 29 Jun 2022 17:30

Tgt Ion: 105 Resp: 6770589

Ion Ratio Lower Upper

105 100

134 18.7 14.8 22.2



#68

1-Bromo-4-Fluorobenzene

Concen: 8.20 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

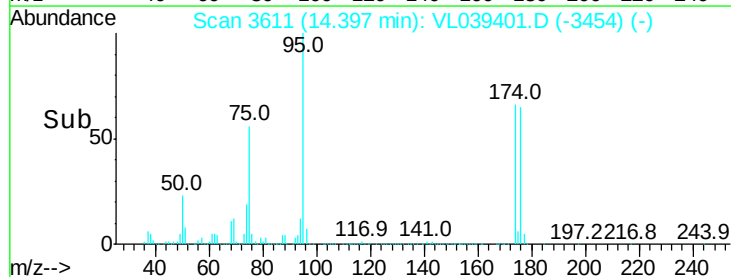
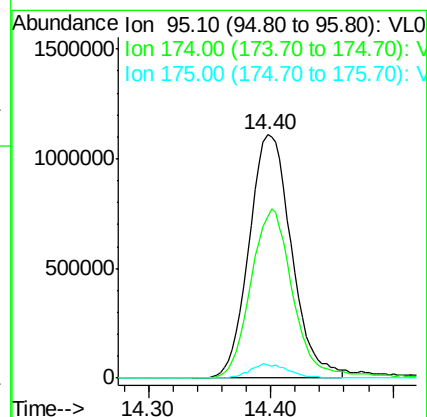
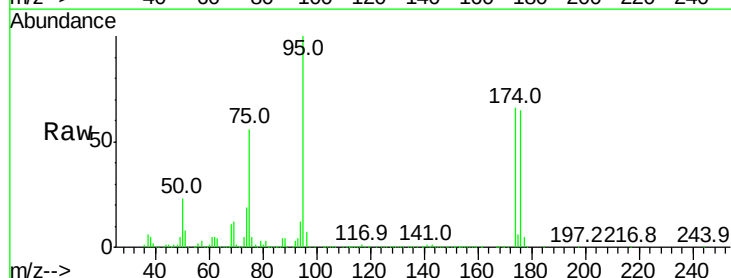
Tgt Ion: 95 Resp: 2668214

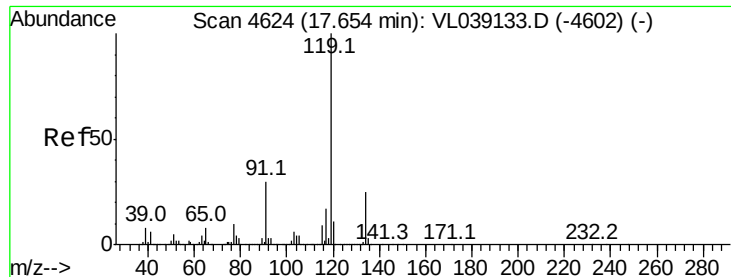
Ion Ratio Lower Upper

95 100

174 70.2 55.9 83.9

175 5.4 4.2 6.4

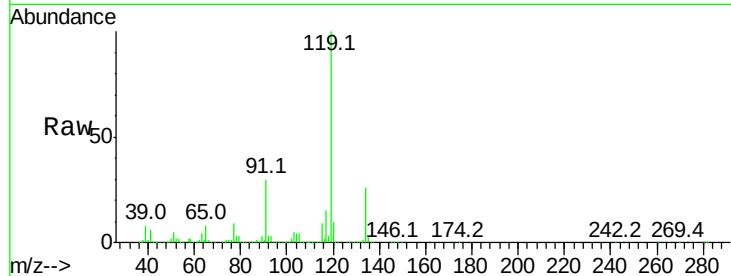




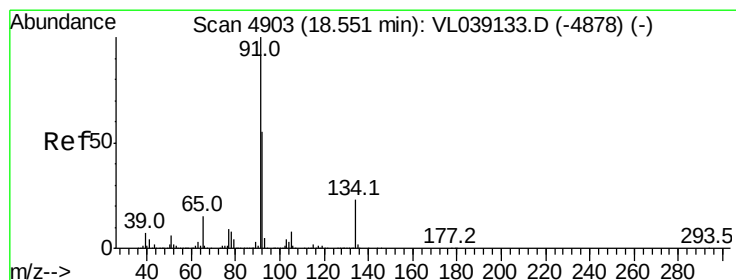
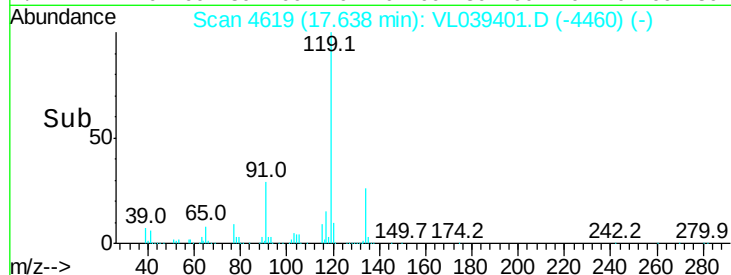
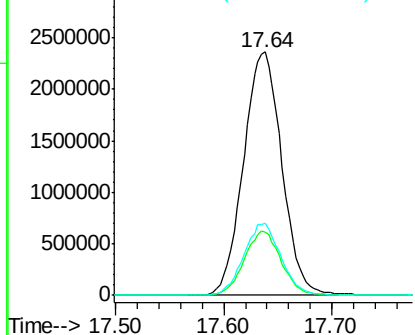
#69
 p-Isopropyltoluene
 Concen: 7.66 ppbv
 RT: 17.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 BFB
 Acq: 29 Jun 2022 17:30

Tgt Ion: 119 Resp: 5829748

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	28.6	22.9	34.3



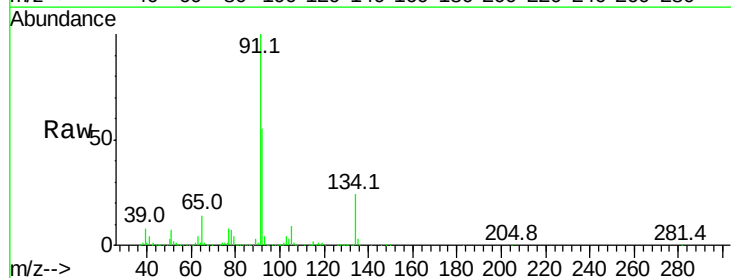
Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V



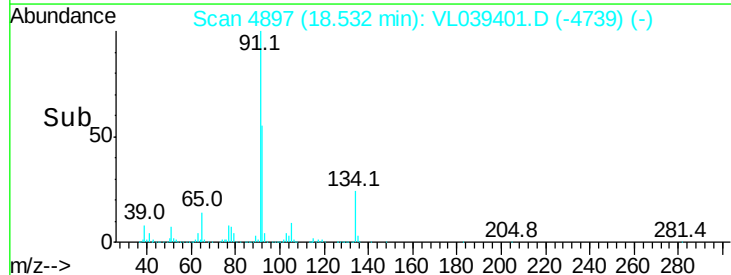
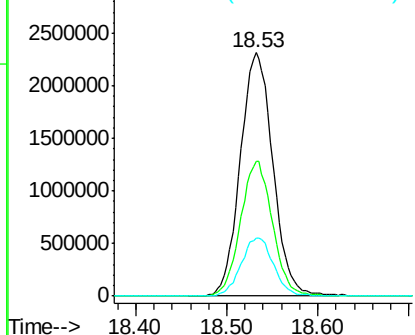
#70
 n-Butylbenzene
 Concen: 7.81 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.01 min
 Lab File: VL039401.D
 Acq: 29 Jun 2022 17:30

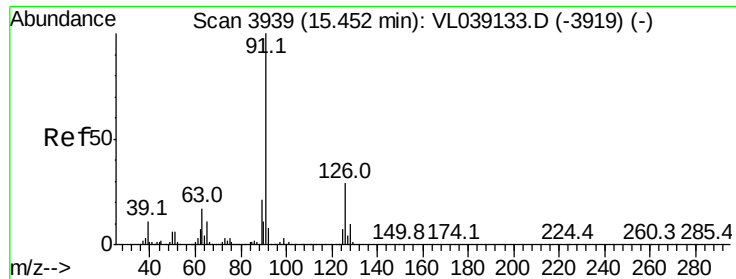
Tgt Ion: 91 Resp: 5764023

Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.4	65.2
134	23.9	18.9	28.3



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





#71

2-Chlorotoluene

Concen: 7.78 ppbv

RT: 15.44

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

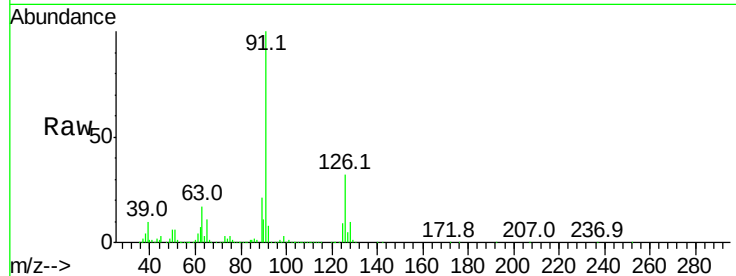
Acq: 29 Jun 2022 17:30

Tgt Ion: 91 Resp: 4011363

Ion Ratio Lower Upper

91 100

126 32.6 13.0 51.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

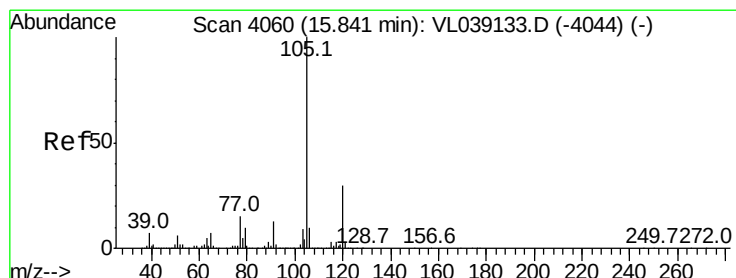
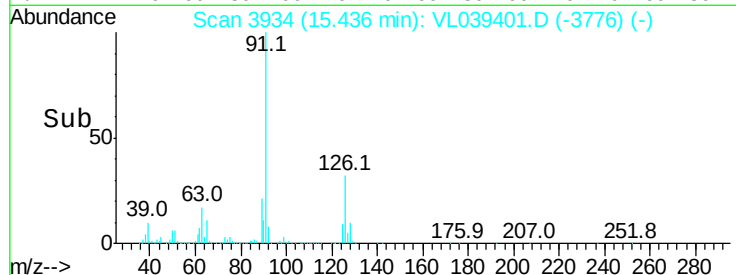
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 8.01 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion: 105 Resp: 4455746

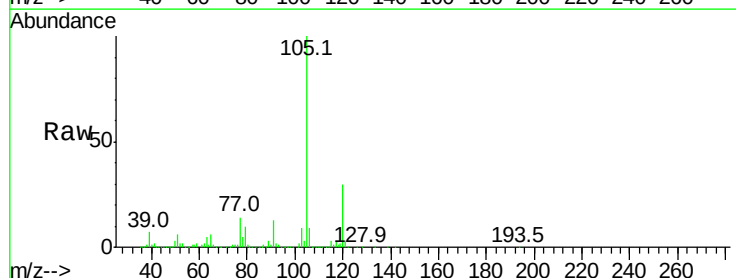
Ion Ratio Lower Upper

105 100

120 30.0 24.2 36.2

91 12.9 10.2 15.4

77 13.5 11.1 16.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

3000000

2500000

2000000

1500000

1000000

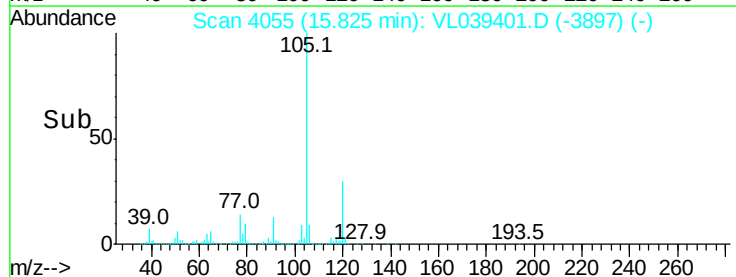
500000

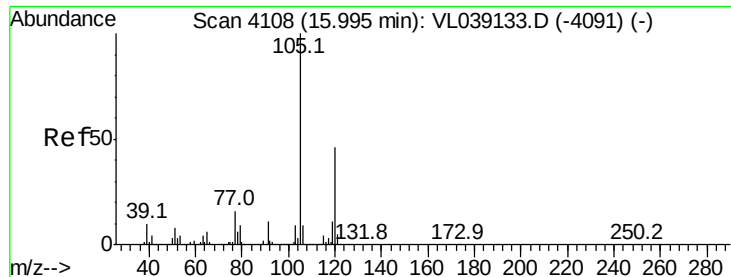
0

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 7.97 ppbv

RT: 15.98

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

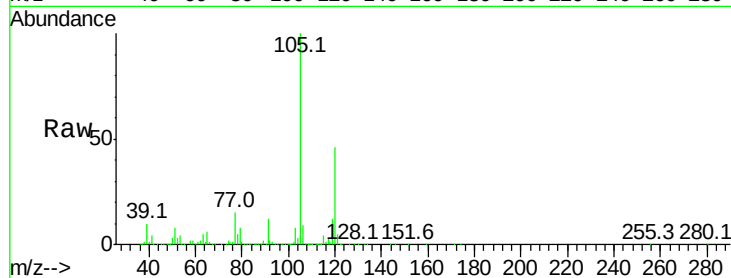
Acq: 29 Jun 2022 17:30

Tgt Ion:105 Resp: 4069310

Ion Ratio Lower Upper

105 100

120 46.2 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

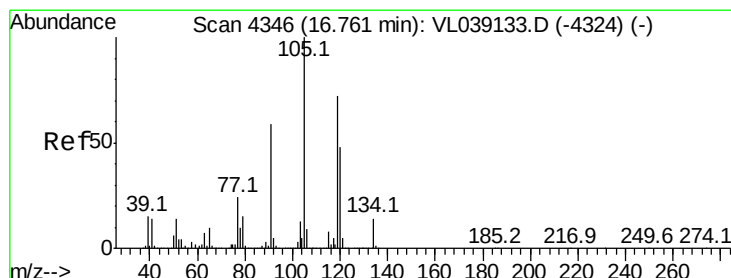
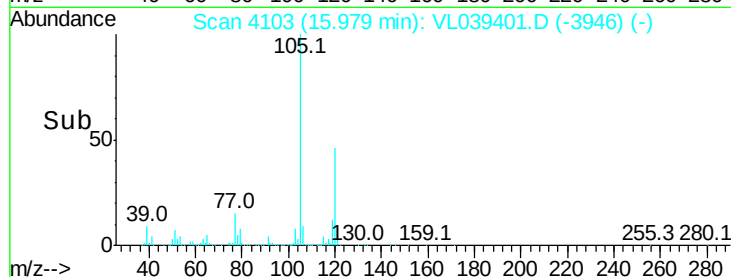
1000000

500000

0

15.90 15.98 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.69 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

Tgt Ion:105 Resp: 4345956

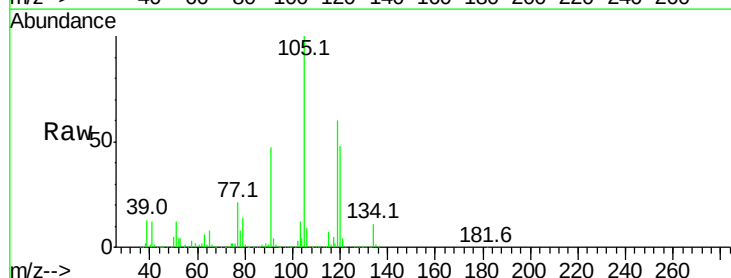
Ion Ratio Lower Upper

105 100

120 48.3 39.5 59.3

91 46.9 39.2 58.8

77 20.8 17.2 25.8



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

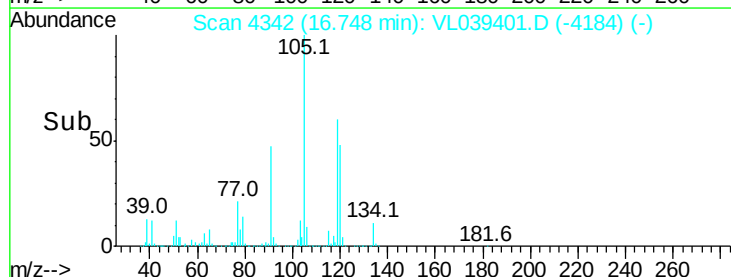
1000000

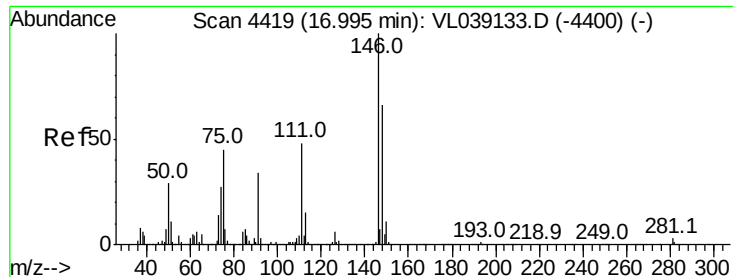
500000

0

16.60 16.70 16.75 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.81 ppbv

RT: 16.98

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Jun 2022 17:30

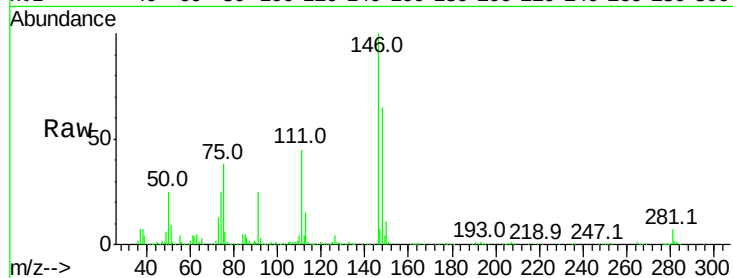
Tgt Ion:146 Resp: 2631605

Ion Ratio Lower Upper

146 100

111 45.6 22.9 68.7

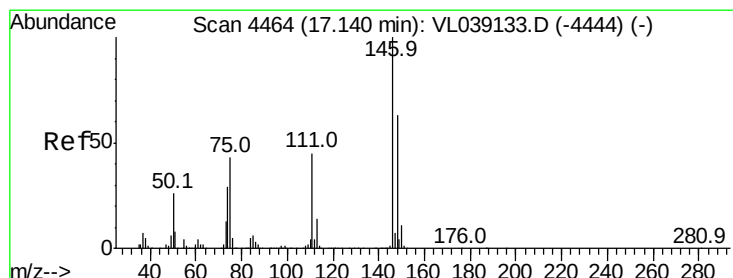
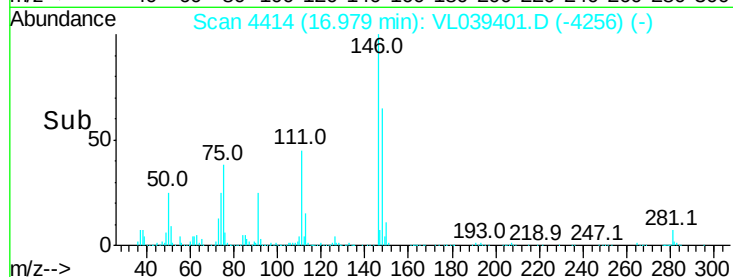
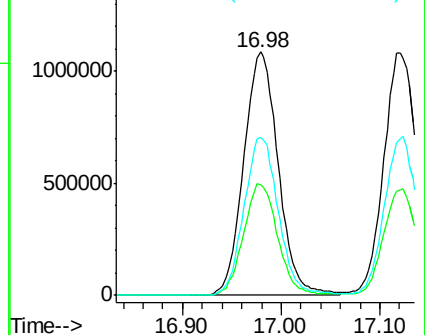
148 64.7 32.1 96.5



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



#76

1,4-Dichlorobenzene

Concen: 7.57 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

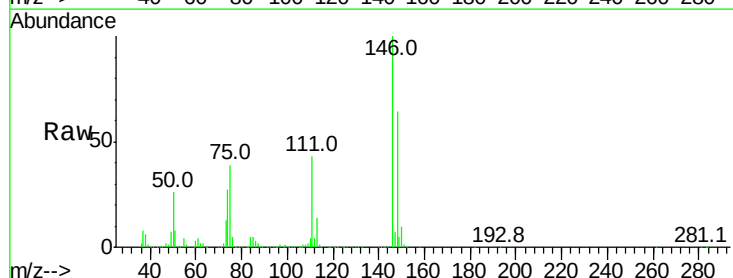
Tgt Ion:146 Resp: 2528811

Ion Ratio Lower Upper

146 100

111 45.7 22.9 68.8

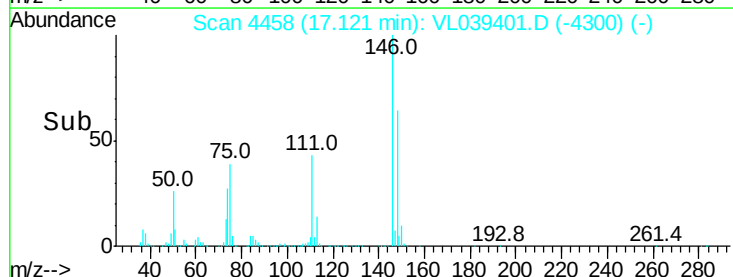
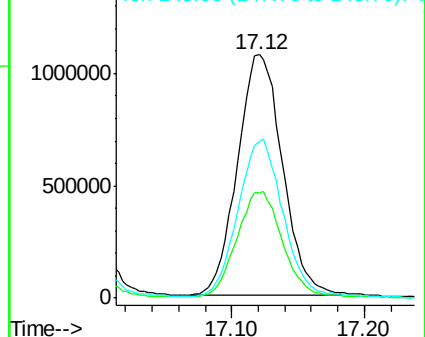
148 67.2 33.6 100.8

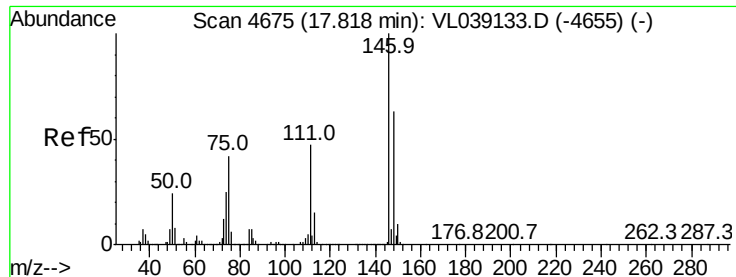


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

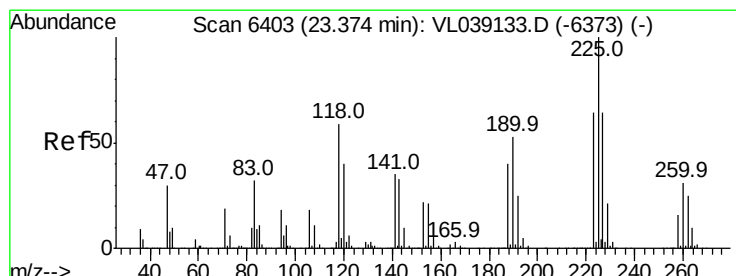
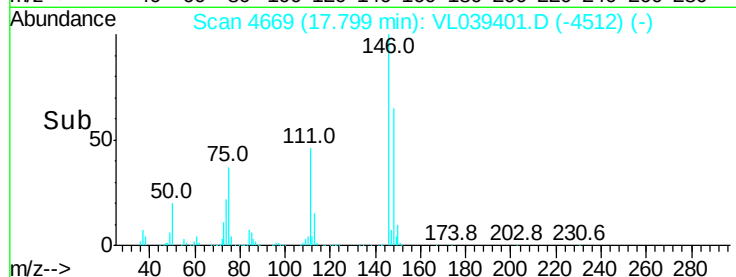
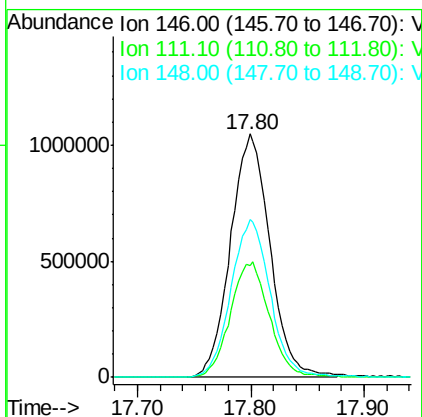
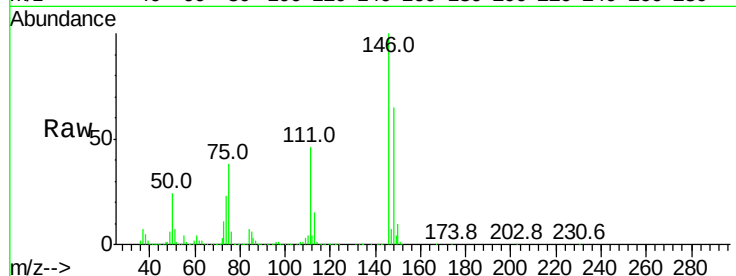
Ion 148.00 (147.70 to 148.70): V





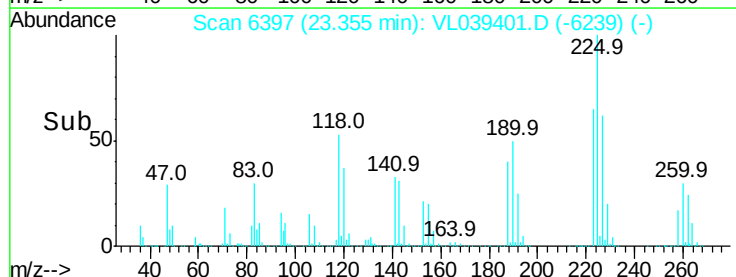
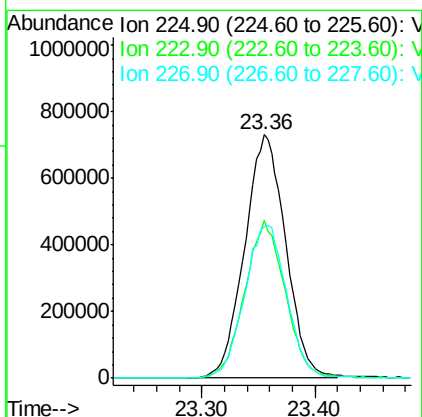
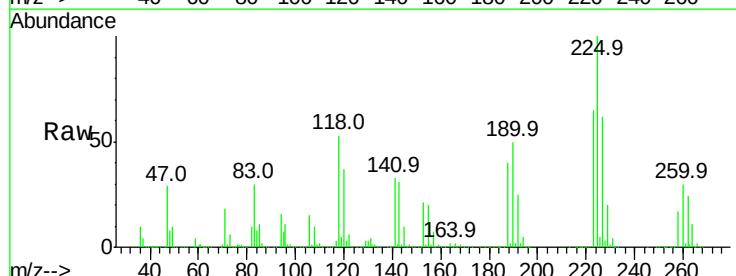
#77
 1,2-Dichlorobenzene
 Concen: 7.55 ppbv
 RT: 17.80 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : BFB
 Acq: 29 Jun 2022 17:30

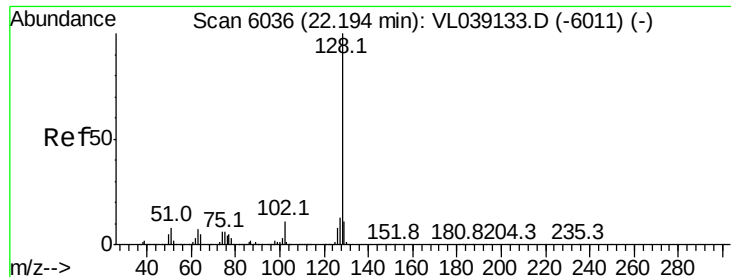
Tgt Ion:146 Resp: 2522357
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.8 71.5
 148 65.4 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.86 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.01 min
 Lab File: VL039401.D
 Acq: 29 Jun 2022 17:30

Tgt Ion:225 Resp: 1843699
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.8 77.6
 227 64.8 51.4 77.2





#79

Naphthalene

Concen: 9.52 ppbv

RT: 22.17

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Jun 2022 17:30

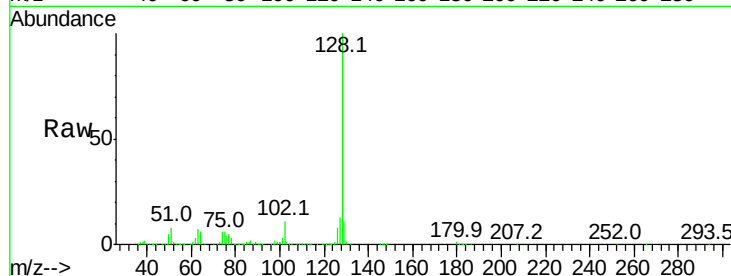
Tgt Ion:128 Resp: 3702459

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

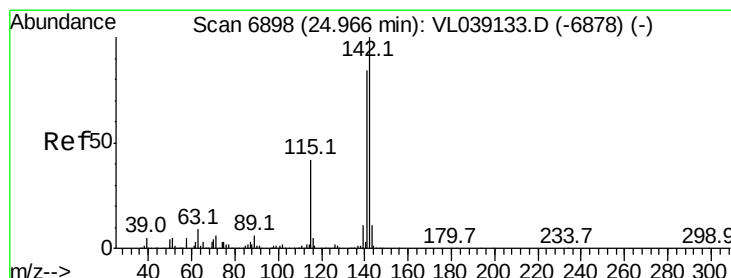
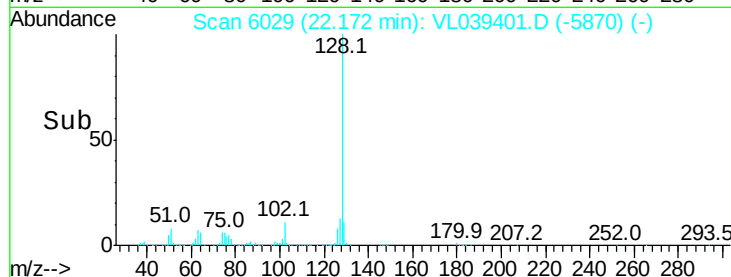
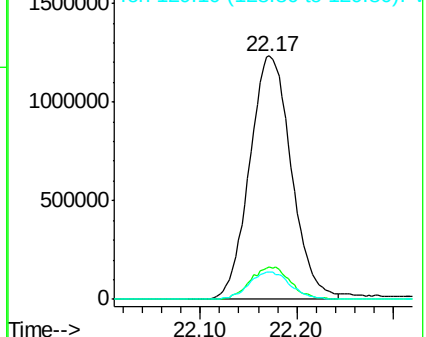
129 11.3 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 10.43 ppbv

RT: 24.95 min Scan# 6893

Delta R.T. 0.01 min

Lab File: VL039401.D

Acq: 29 Jun 2022 17:30

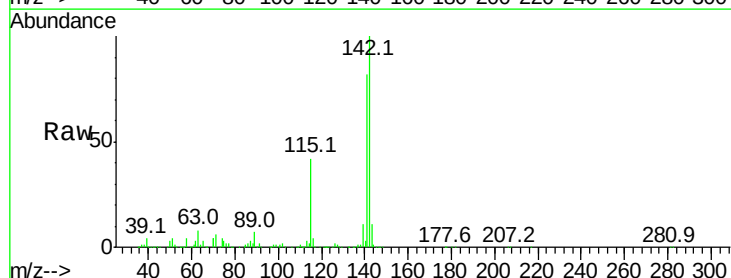
Tgt Ion:142 Resp: 1380636

Ion Ratio Lower Upper

142 100

141 83.6 68.9 103.3

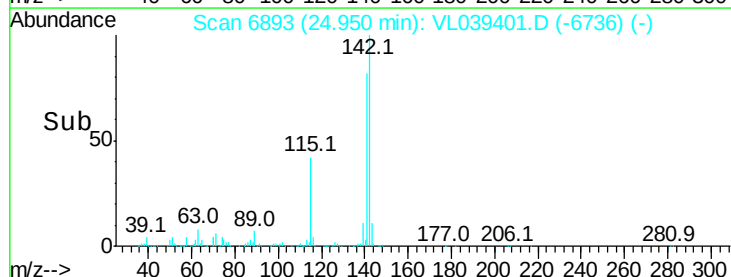
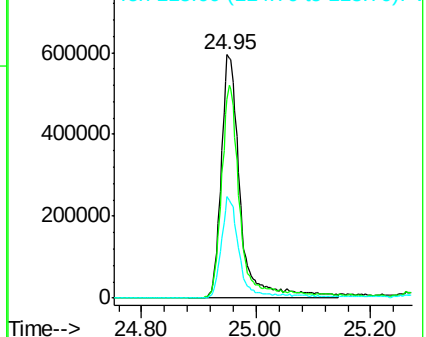
115 38.7 30.0 45.0

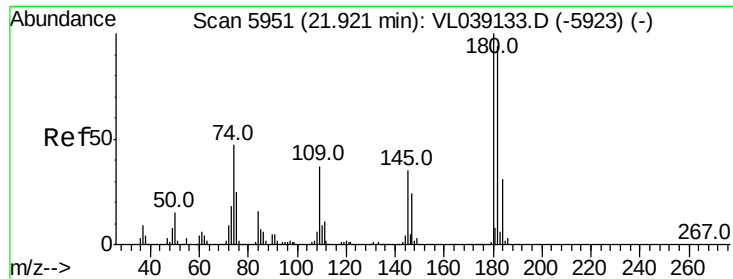


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.11 ppbv

RT: 21.90

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

BFB

Acq: 29 Jun 2022 17:30

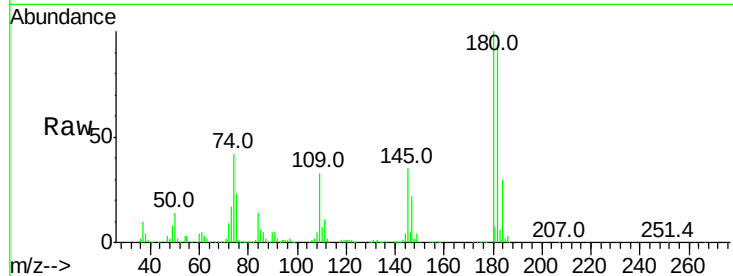
Tgt Ion:180 Resp: 2053729

Ion Ratio Lower Upper

180 100

182 99.0 77.1 115.7

184 31.1 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

