

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\
 Data File : VL037701.D
 Acq On : 28 Sep 2021 13:00
 Operator : SY/AP
 Sample : VL0928SBS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 29 03:40:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1473373	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4369968	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4930898	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2864709	8.04	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1968203	7.382	ppbv 98
3) Chlorodifluoromethane	3.00	51	2601721	9.362	ppbv 99
4) Chloromethane	3.15	50	980100	9.545	ppbv 99
5) Vinyl Chloride	3.27	62	990494	10.270	ppbv 100
6) Bromomethane	3.48	94	508408	9.070	ppbv 94
7) Chloroethane	3.57	64	342349	9.498	ppbv 98
8) Dichlorotetrafluoroethane	3.20	85	2234621	9.716	ppbv 100
9) Propene	3.02	41	951306	9.704	ppbv 98
10) Heptane	8.13	43	2414664	10.556	ppbv 99
11) Trichlorofluoromethane	3.96	101	2078198	9.709	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1512639	9.574	ppbv 99
13) Ethanol	3.62	45	32461	3.385	ppbv # 1
14) Bromoethene	3.75	108	707013	9.831	ppbv 100
15) Acetone	3.86	43	1174440	7.672	ppbv 96
16) 1,3-Butadiene	3.34	39	925735	9.678	ppbv 97
17) tert-Butyl alcohol	4.30	59	1398116	10.771	ppbv 100
18) 1,1-Dichloroethene	4.30	96	703653	9.560	ppbv 95
19) Isopropyl Alcohol	3.97	45	813564	9.768	ppbv # 96
20) Methylene Chloride	4.36	84	602307	8.241	ppbv 98
21) Allyl Chloride	4.42	41	1120615	9.799	ppbv 99
22) trans-1,2-Dichloroethene	4.89	96	709454	9.580	ppbv 98
23) Vinyl Acetate	5.08	43	2283057	10.778	ppbv 98
24) 1,1-Dichloroethane	5.02	63	1495904	9.858	ppbv 98
25) Ethyl Acetate	5.69	43	3732895	10.068	ppbv 99
26) Hexane	5.70	57	1763774	10.015	ppbv 99
27) Carbon Disulfide	4.56	76	1712305	10.628	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1748343	11.271	ppbv 99
29) Chloroform	5.76	83	2437025	9.476	ppbv 100
30) Cyclohexane	7.14	84	1467472	9.742	ppbv 97
31) cis-1,2-Dichloroethene	5.56	61	1668243	10.434	ppbv 98
32) 1,1,1-Trichloroethane	6.52	97	2332209	9.741	ppbv 99
34) 2-Butanone	5.25	43	1680406	9.463	ppbv 97
35) Carbon Tetrachloride	7.03	117	2442334	9.880	ppbv 99
36) Benzene	6.90	78	3694116	10.138	ppbv 99
37) 1,2-Dichloroethane	6.32	62	1712967	9.558	ppbv 100
38) Trichloroethene	7.84	130	1440316	9.462	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1396484	10.006	ppbv 97
40) 1,4-Dioxane	7.85	88	342131	10.077	ppbv 84
41) Tetrahydrofuran	6.06	42	912881	10.935	ppbv 99
42) Bromodichloromethane	7.80	83	2621114	10.204	ppbv 97
43) Methyl Methacrylate	8.03	69	1315192	10.849	ppbv 97

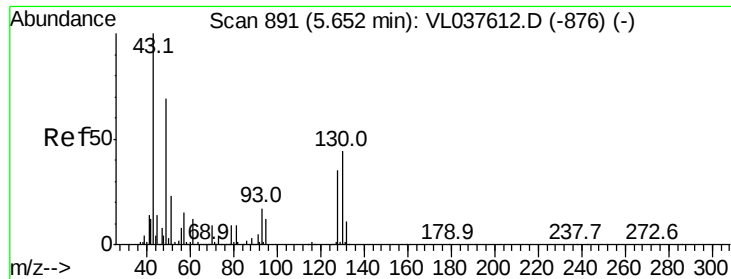
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092821\
 Data File : VL037701.D
 Acq On : 28 Sep 2021 13:00
 Operator : SY/AP
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Quant Time: Sep 29 03:40:39 2021
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	6063103	9.897	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1001423	10.517	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	1361941	10.588	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1468756	9.513	ppbv	96
48) Dibromochloromethane	10.32	129	2310498	10.727	ppbv	99
49) Bromoform	13.05	173	1833110	10.634	ppbv	96
50) 4-Methyl-2-Pentanone	8.75	43	2453748	10.886	ppbv	100
51) 2-Hexanone	10.15	43	1135284	11.416	ppbv #	96
52) Tetrachloroethene	11.23	164	1351386	9.660	ppbv	99
53) Toluene	9.82	91	4245911	10.483	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2076848	9.824	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1554991	7.603	ppbv	96
57) Chlorobenzene	12.16	112	3002759	7.325	ppbv	98
58) Ethyl Benzene	12.72	91	5325738	8.136	ppbv	100
59) m/p-Xylene	13.01	91	4446980	7.796	ppbv #	28
60) o-Xylene	13.70	91	4146961	7.638	ppbv	99
61) Styrene	13.54	104	2319931	8.666	ppbv	97
62) Isopropylbenzene	14.68	105	5745907	7.576	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	3030897	7.133	ppbv	99
64) n-propylbenzene	15.57	120	1550421	7.922	ppbv	86
65) tert-Butylbenzene	16.75	119	5094833	7.450	ppbv	99
66) Benzyl Chloride	17.00	91	188123	5.034	ppbv #	79
67) sec-Butylbenzene	17.30	105	7126201	7.681	ppbv	99
69) p-Isopropyltoluene	17.66	119	5979470	7.889	ppbv	100
70) n-Butylbenzene	18.56	91	5768055	8.043	ppbv	100
71) 2-Chlorotoluene	15.46	91	4211000	7.748	ppbv	97
72) 4-Ethyltoluene	15.85	105	4849111	7.781	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4531361	7.800	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	4642656	7.588	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	2859169	7.521	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	2814346	7.506	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2720503	7.545	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2023874	6.669	ppbv	100
79) Naphthalene	22.20	128	3413799	9.087	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	989696	11.525	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	2059108	8.537	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 13:00

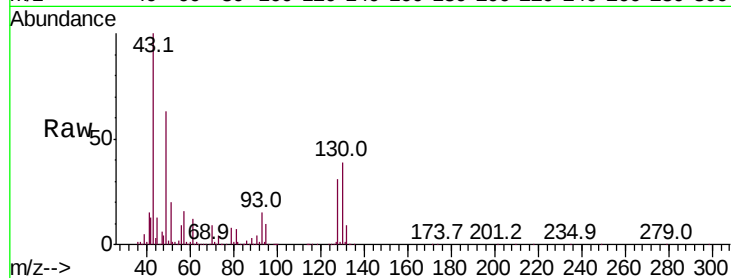
Tot Ion: 49 Resp: 1473373

Ion Ratio Lower Upper

49 100

128 53.7 27.9 83.6

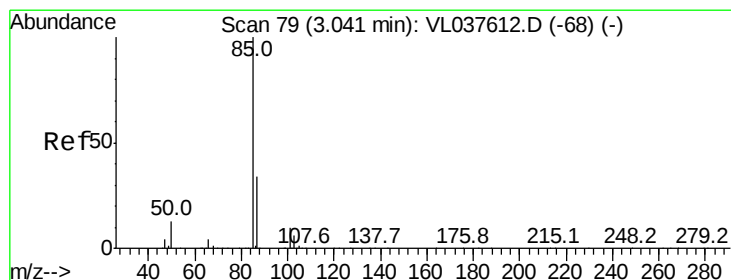
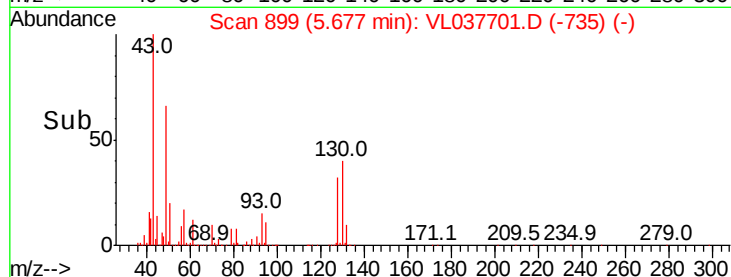
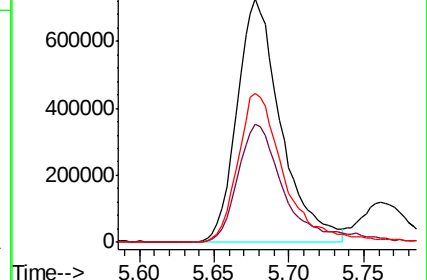
130 65.9 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.382 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL037701.D

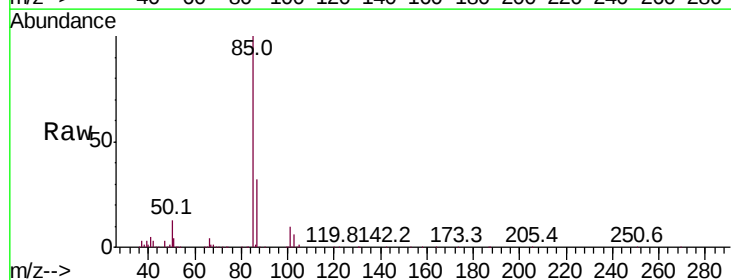
Acq: 28 Sep 2021 13:00

Tgt Ion: 85 Resp: 1968203

Ion Ratio Lower Upper

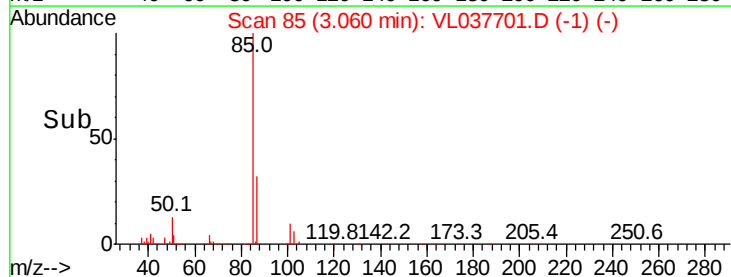
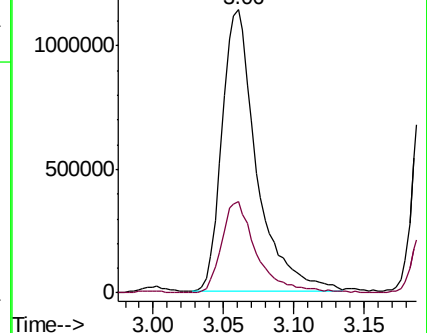
85 100

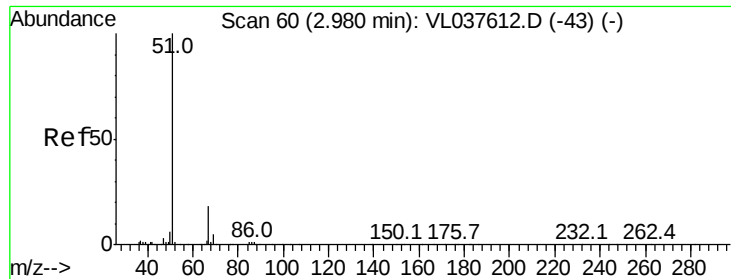
87 32.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.362 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

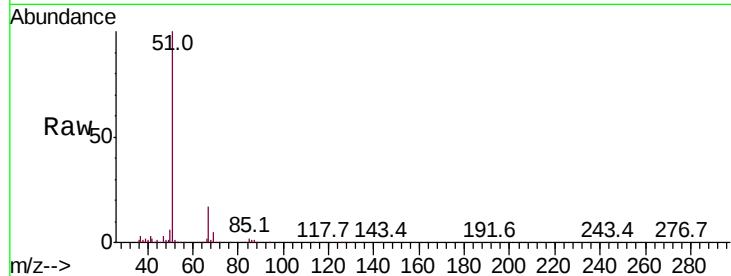
Acq: 28 Sep 2021 13:00

Tot Ion: 51 Resp: 2601721

Ion Ratio Lower Upper

51 100

67 17.0 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

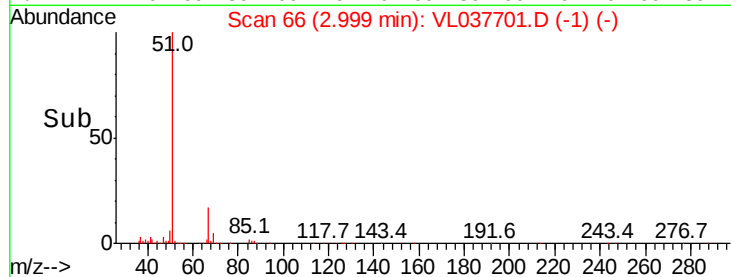
1500000

1000000

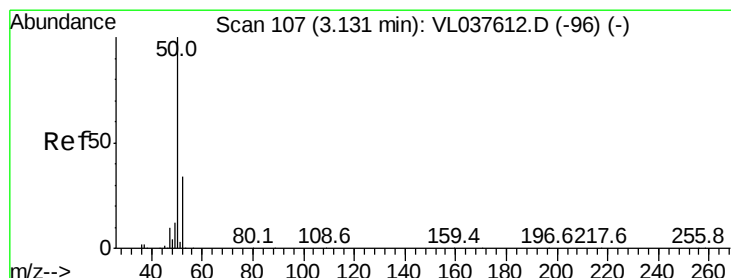
500000

0

Time-->



Time-->



#4

Chloromethane

Concen: 9.545 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL037701.D

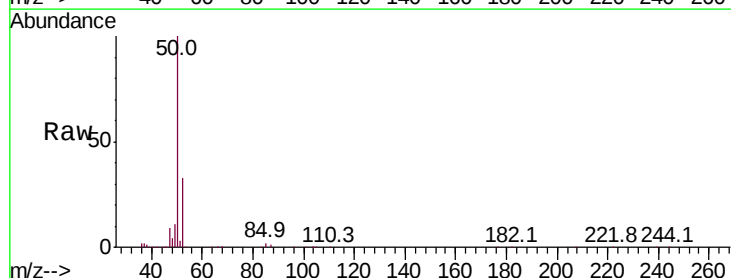
Acq: 28 Sep 2021 13:00

Tgt Ion: 50 Resp: 980100

Ion Ratio Lower Upper

50 100

52 33.6 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

500000

400000

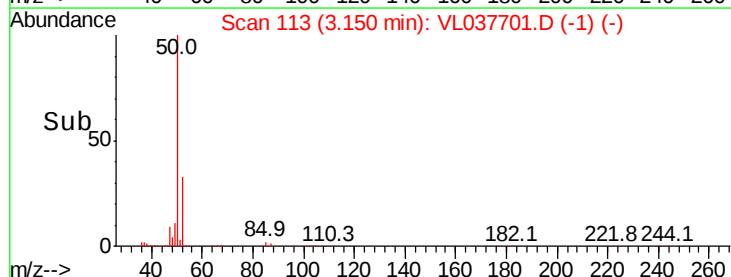
300000

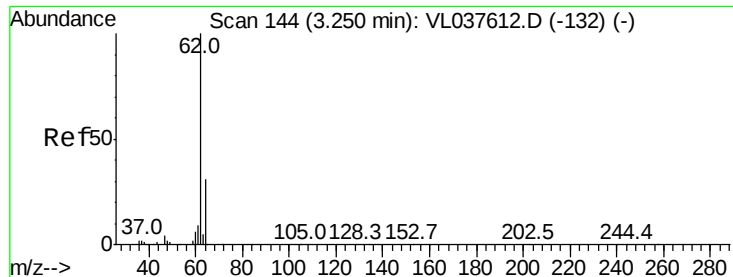
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 10.270 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

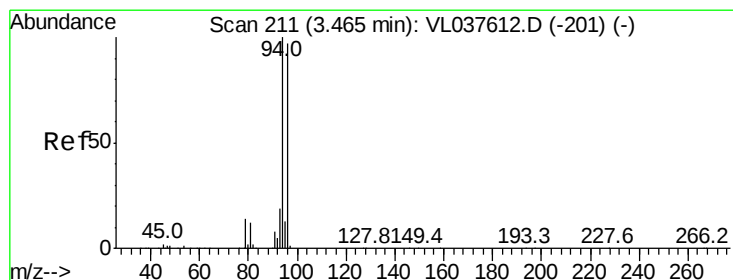
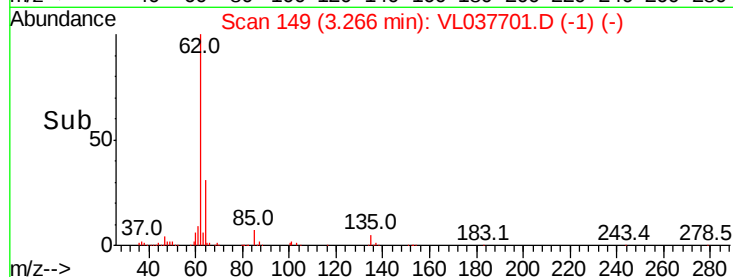
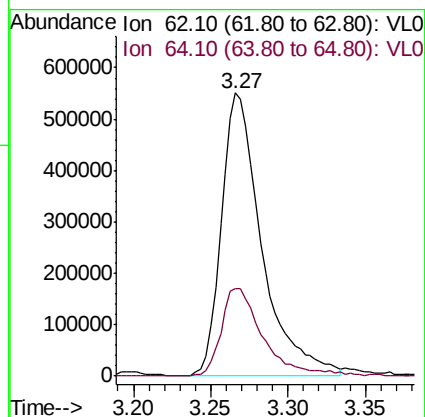
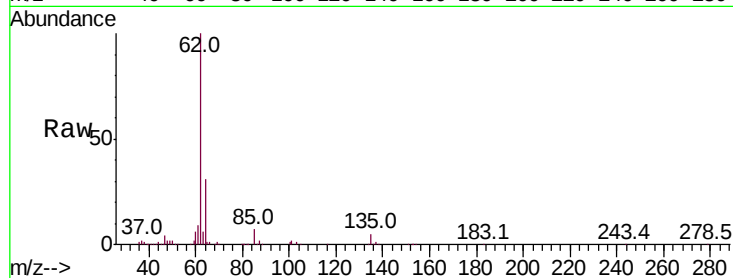
Acq: 28 Sep 2021 13:00

Tot Ion: 62 Resp: 990494

Ion Ratio Lower Upper

62 100

64 31.0 24.9 37.3



#6

Bromomethane

Concen: 9.070 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL037701.D

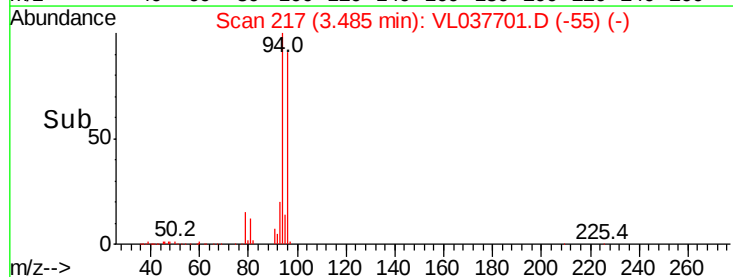
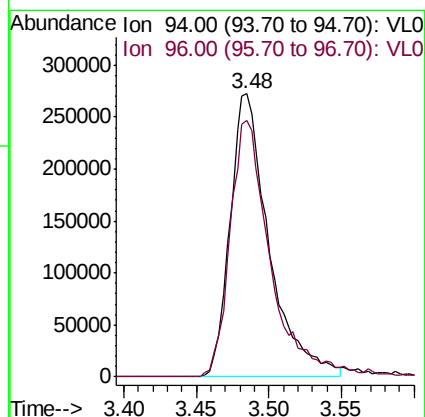
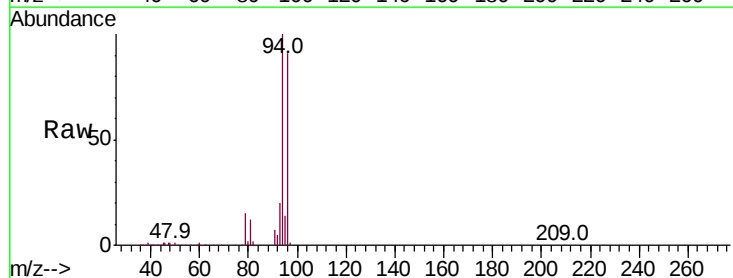
Acq: 28 Sep 2021 13:00

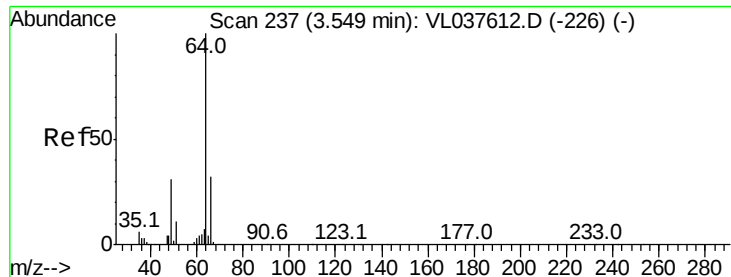
Tgt Ion: 94 Resp: 508408

Ion Ratio Lower Upper

94 100

96 90.5 77.3 115.9





#7

Chloroethane

Concen: 9.498 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

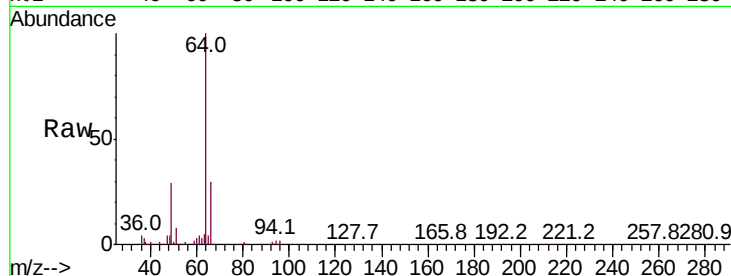
Acq: 28 Sep 2021 13:00

Tot Ion: 64 Resp: 342349

Ion Ratio Lower Upper

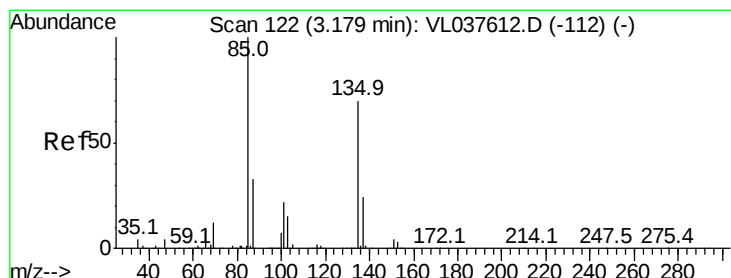
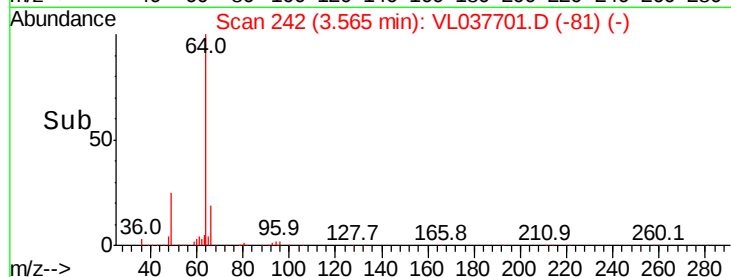
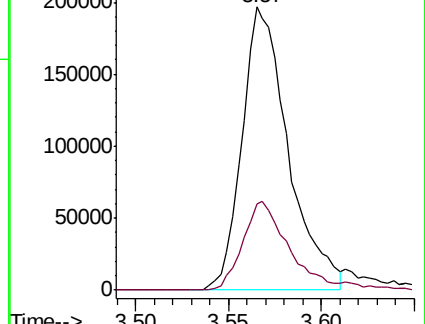
64 100

66 30.4 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.716 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.02 min

Lab File: VL037701.D

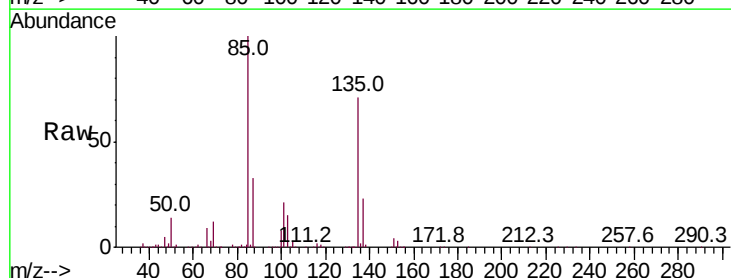
Acq: 28 Sep 2021 13:00

Tgt Ion: 85 Resp: 2234621

Ion Ratio Lower Upper

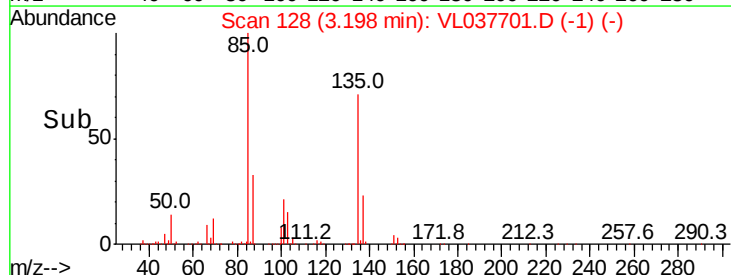
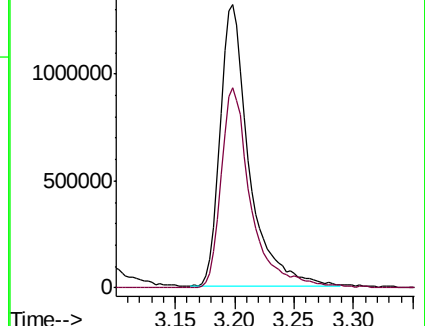
85 100

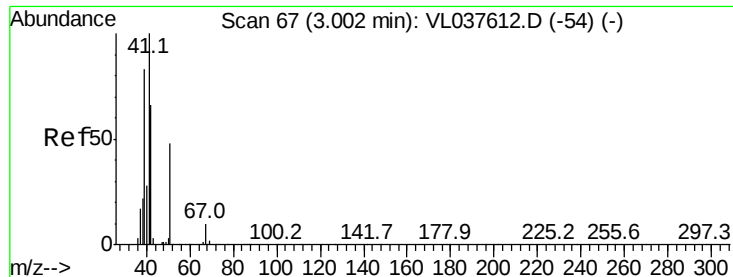
135 73.7 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.704 ppbv

RT: 3.02 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

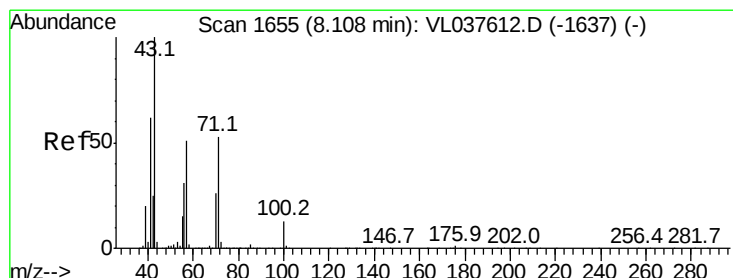
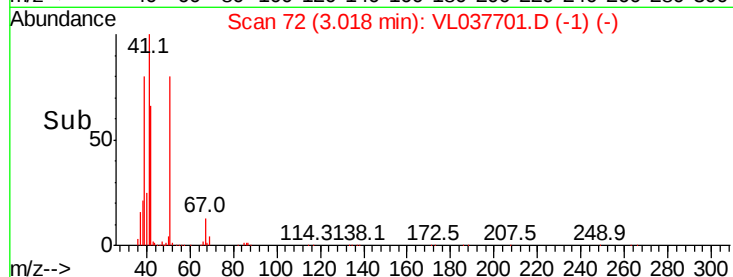
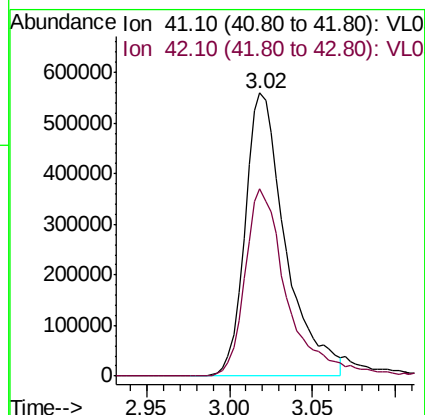
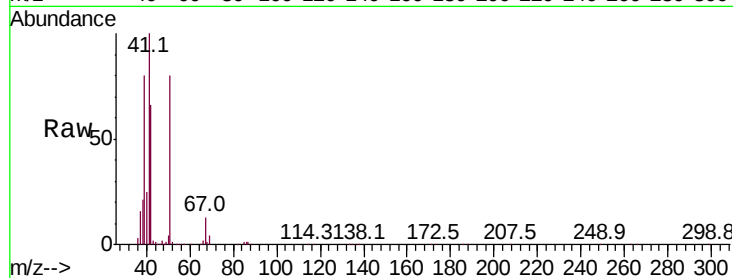
Acq: 28 Sep 2021 13:00

Tot Ion: 41 Resp: 951306

Ion Ratio Lower Upper

41 100

42 70.0 57.2 85.8



#10

Heptane

Concen: 10.556 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.03 min

Lab File: VL037701.D

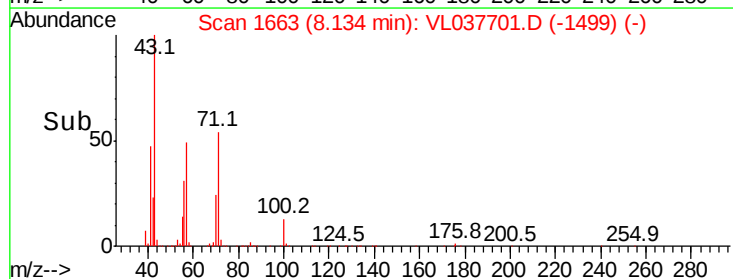
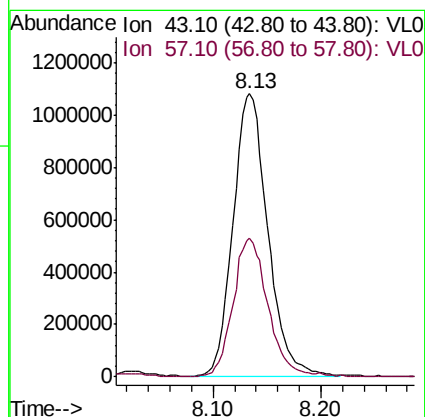
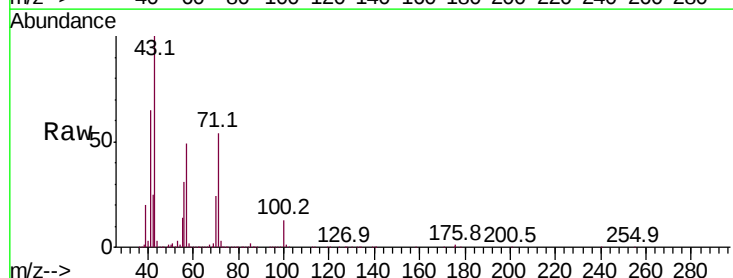
Acq: 28 Sep 2021 13:00

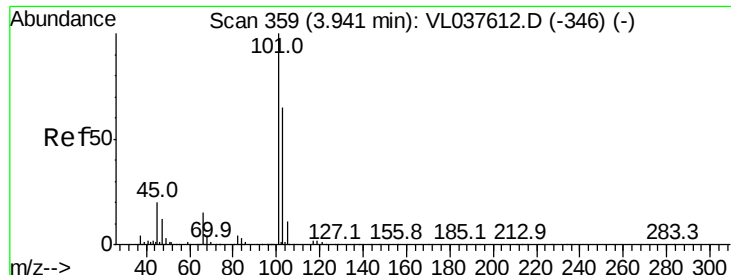
Tgt Ion: 43 Resp: 2414664

Ion Ratio Lower Upper

43 100

57 49.2 40.1 60.1





#11

Trichlorofluoromethane

Concen: 9.709 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

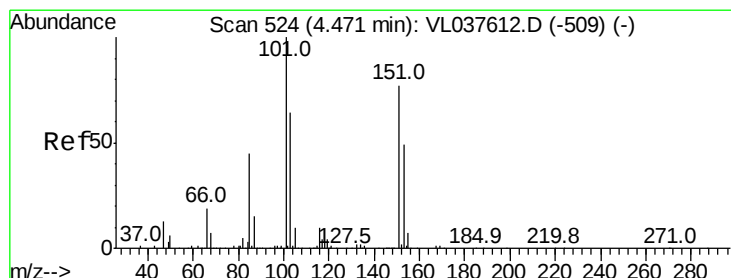
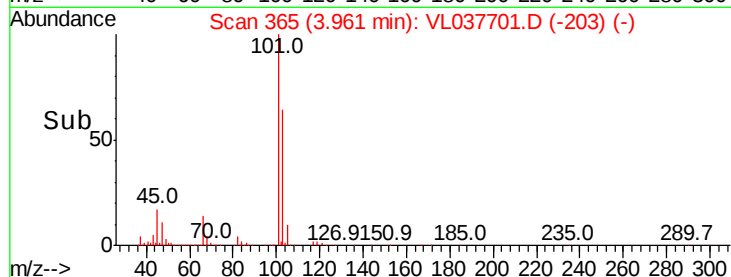
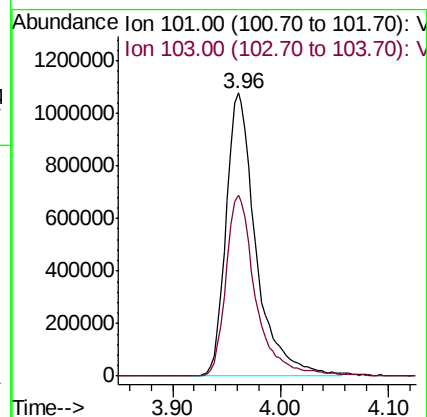
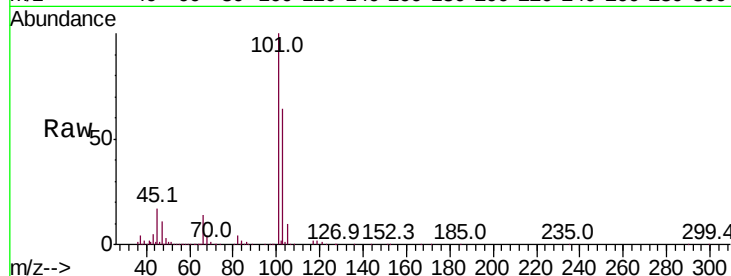
Acq: 28 Sep 2021 13:00

Tot Ion:101 Resp: 2078198

Ion Ratio Lower Upper

101 100

103 64.0 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.574 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.03 min

Lab File: VL037701.D

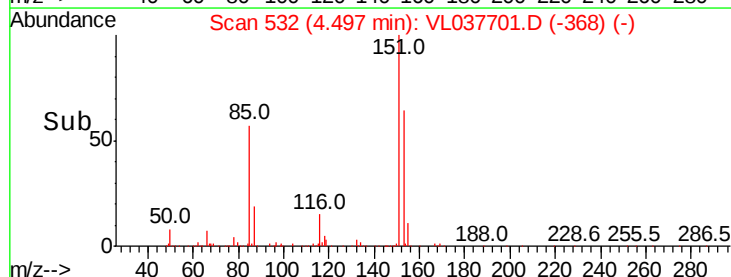
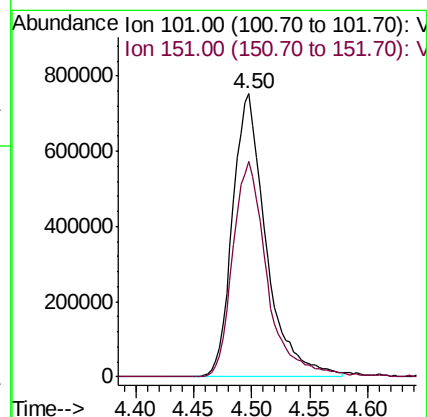
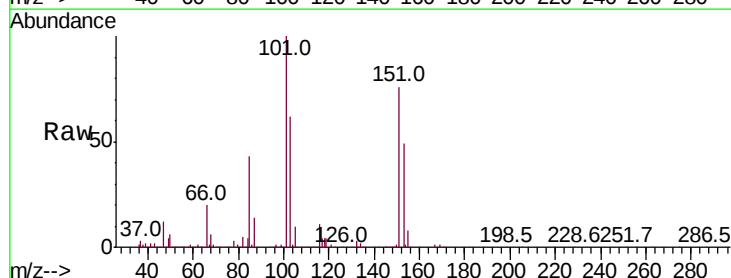
Acq: 28 Sep 2021 13:00

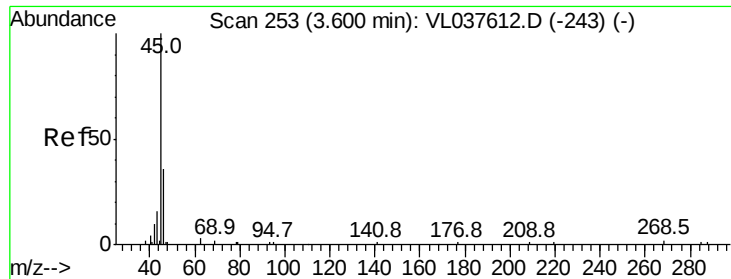
Tgt Ion:101 Resp: 1512639

Ion Ratio Lower Upper

101 100

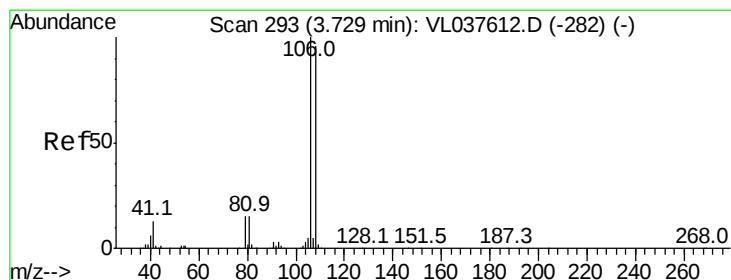
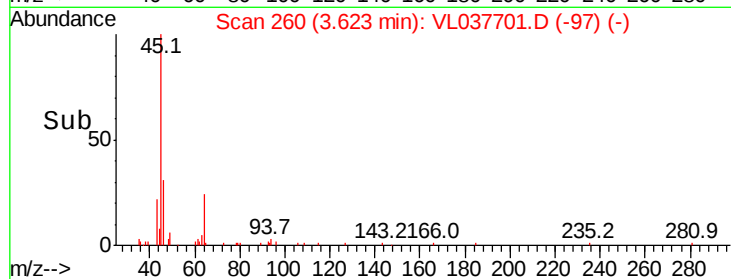
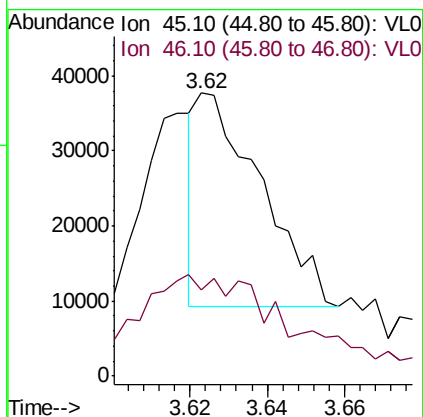
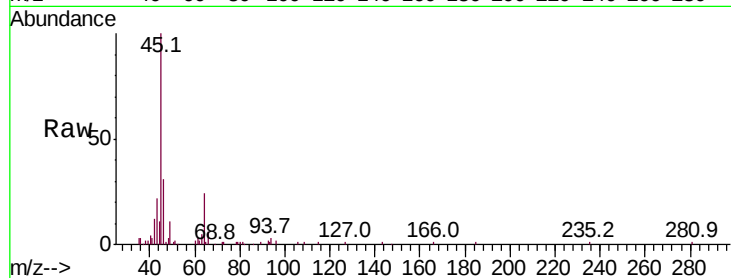
151 78.8 63.5 95.3





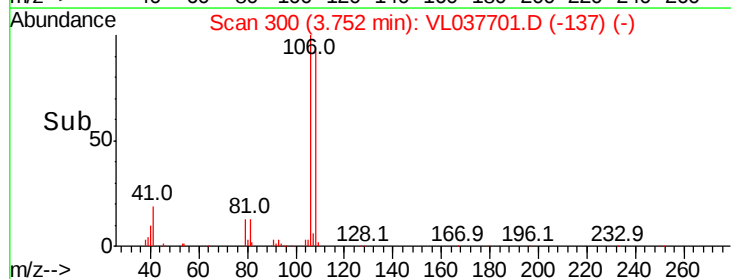
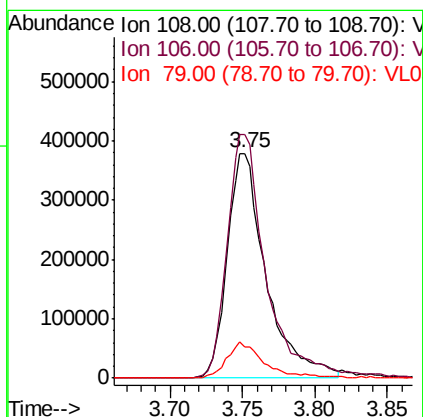
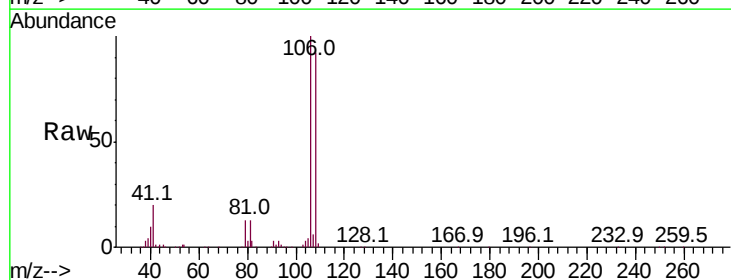
#13
 Ethanol
 Concen: 3.385 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Sep 2021 13:00

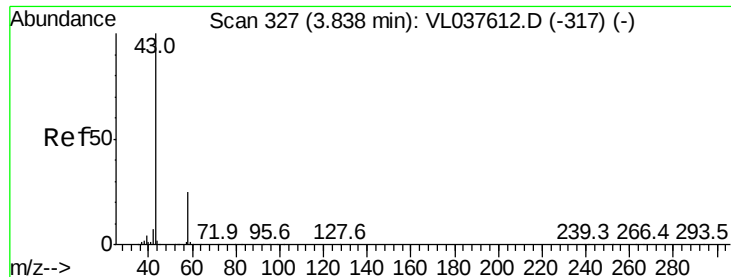
Tot Ion: 45 Resp: 32461
 Ion Ratio Lower Upper
 45 100
 46 119.5 17.2 68.8#



#14
 Bromoethene
 Concen: 9.831 ppbv
 RT: 3.75 min Scan# 300
 Delta R.T. 0.02 min
 Lab File: VL037701.D
 Acq: 28 Sep 2021 13:00

Tgt Ion: 108 Resp: 707013
 Ion Ratio Lower Upper
 108 100
 106 109.9 88.2 132.4
 79 16.1 12.8 19.2





#15

Acetone

Concen: 7.672 ppbv

RT: 3.86

Delta R.T. MSVOA_L

Lab File:

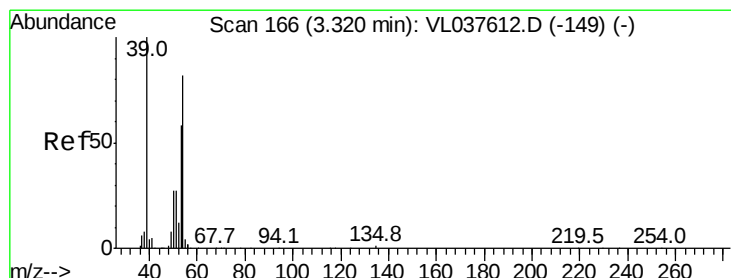
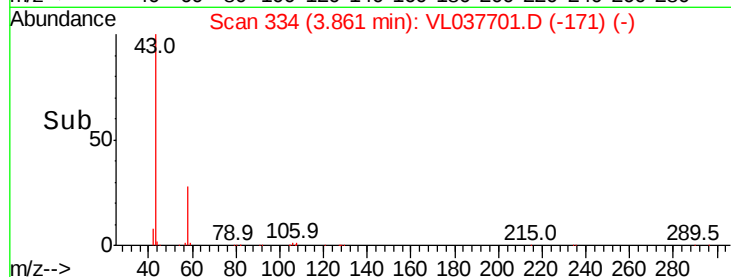
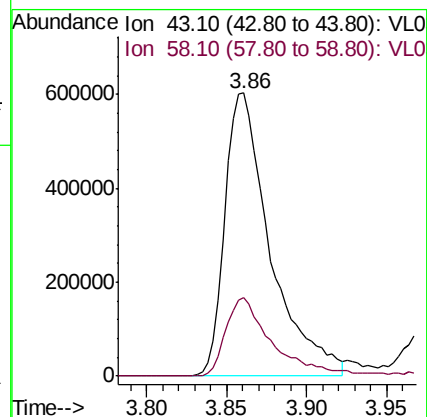
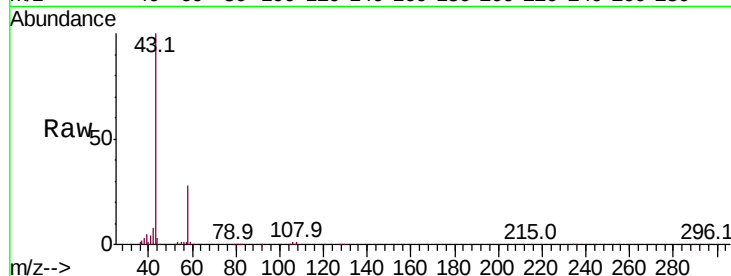
Acq: 28 Sep 2021 13:00

Tot Ion: 43 Resp: 1174440

Ion Ratio Lower Upper

43 100

58 28.8 24.9 37.3



#16

1,3-Butadiene

Concen: 9.678 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL037701.D

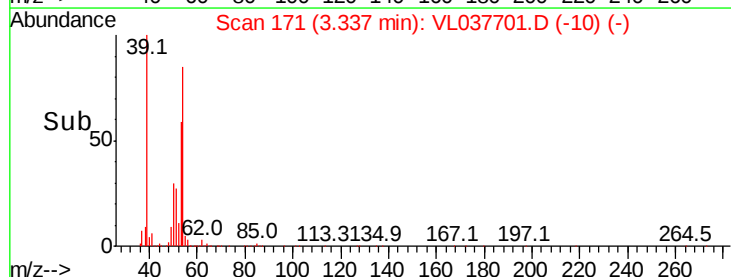
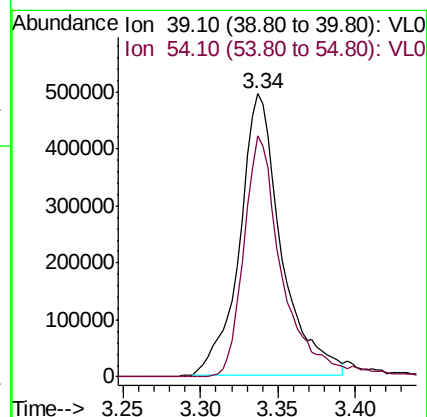
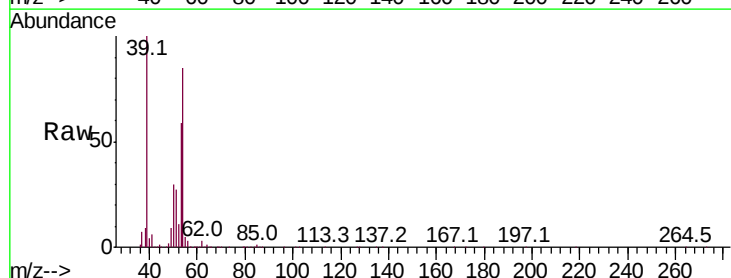
Acq: 28 Sep 2021 13:00

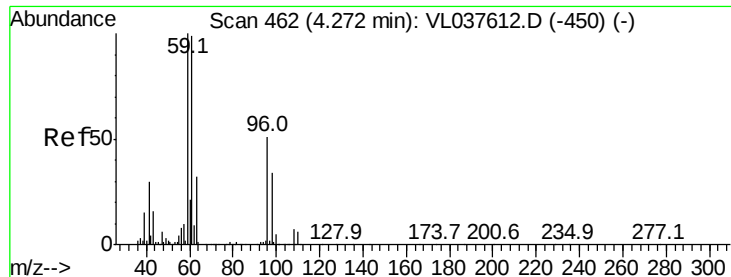
Tgt Ion: 39 Resp: 925735

Ion Ratio Lower Upper

39 100

54 80.7 62.6 93.8





#17

tert-Butyl alcohol

Concen: 10.771 ppbv

RT: 4.30 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

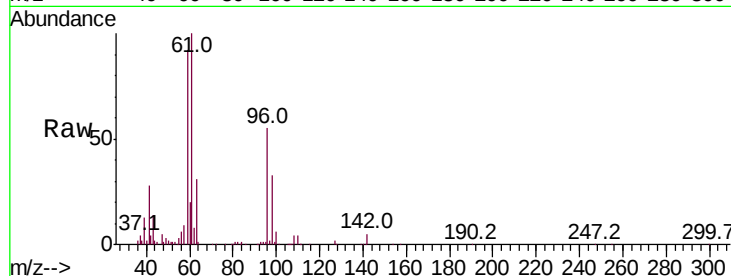
Acq: 28 Sep 2021 13:00

Tot Ion: 59 Resp: 1398116

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.30

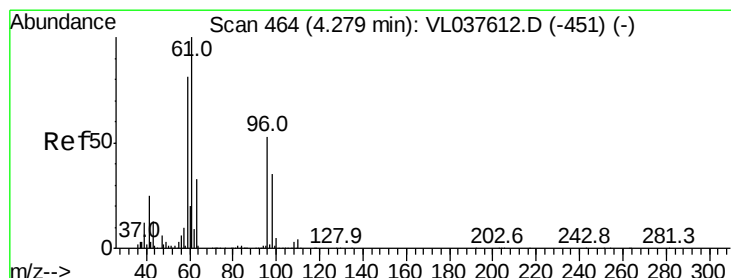
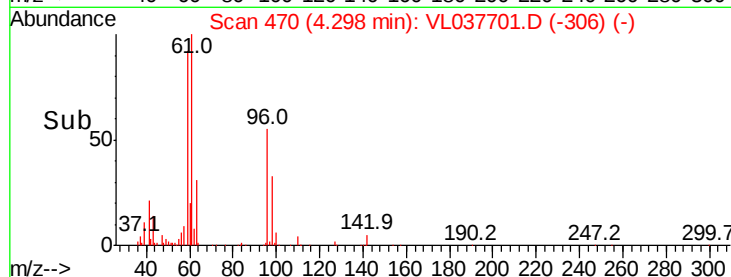
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.560 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

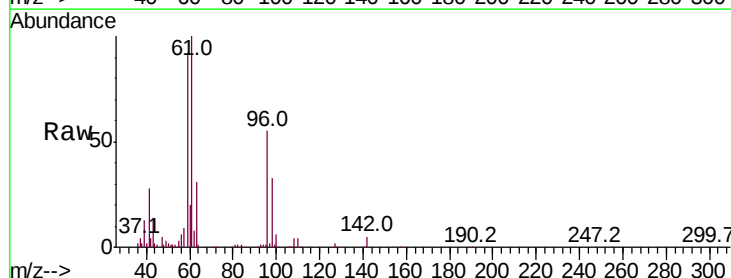
Tgt Ion: 96 Resp: 703653

Ion Ratio Lower Upper

96 100

61 182.7 150.4 225.6

98 59.6 52.1 78.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

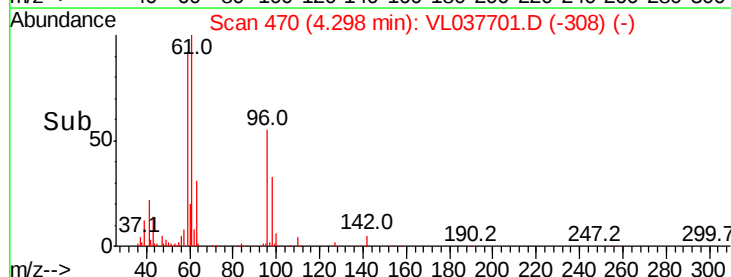
600000

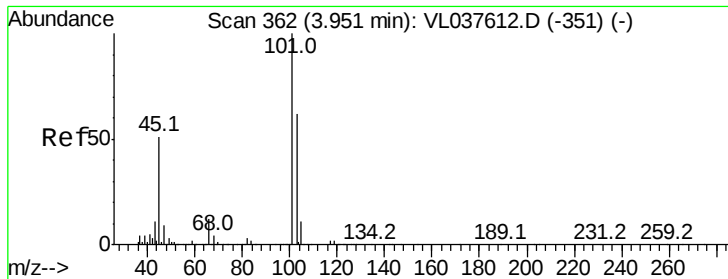
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.768 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

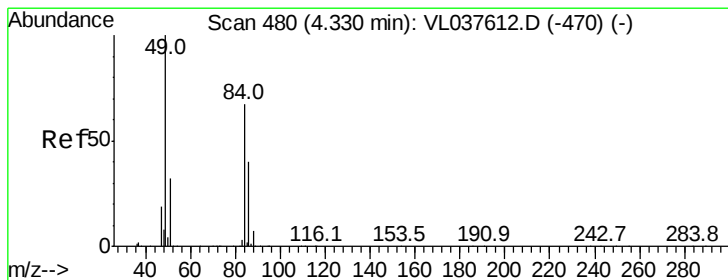
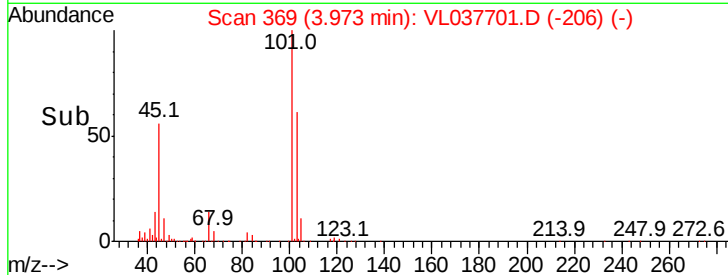
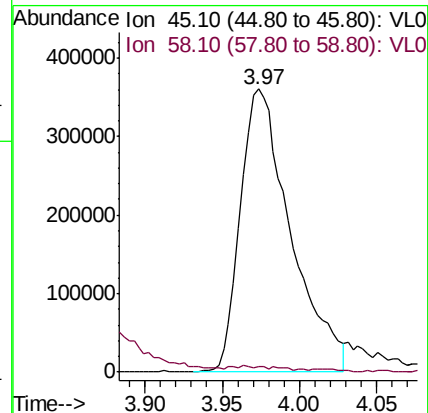
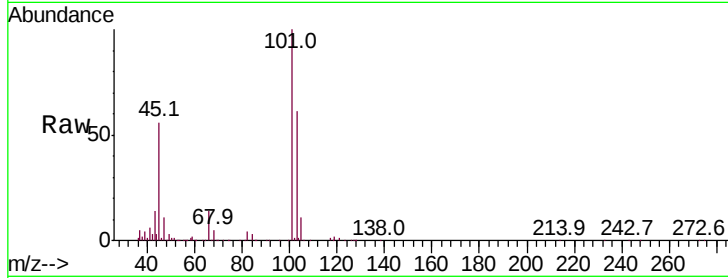
Acq: 28 Sep 2021 13:00

Tot Ion: 45 Resp: 813564

Ion Ratio Lower Upper

45 100

58 2.2 2.9 4.3#



#20

Methylene Chloride

Concen: 8.241 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

Tgt Ion: 84 Resp: 602307

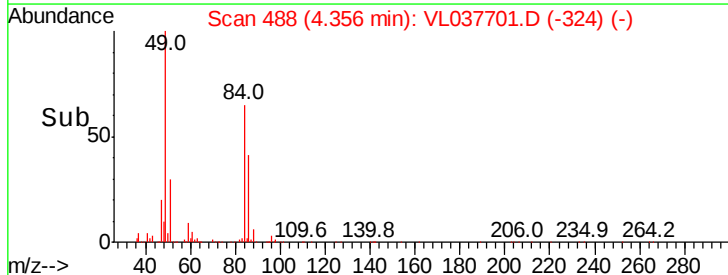
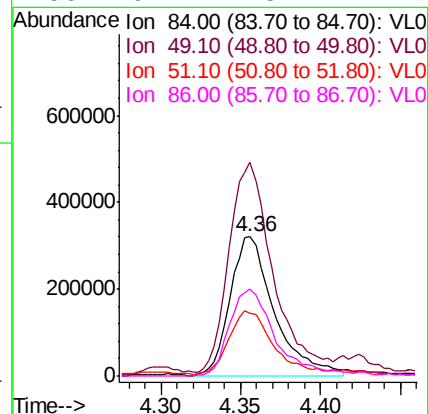
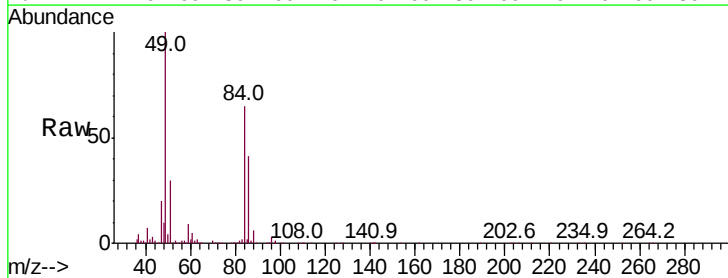
Ion Ratio Lower Upper

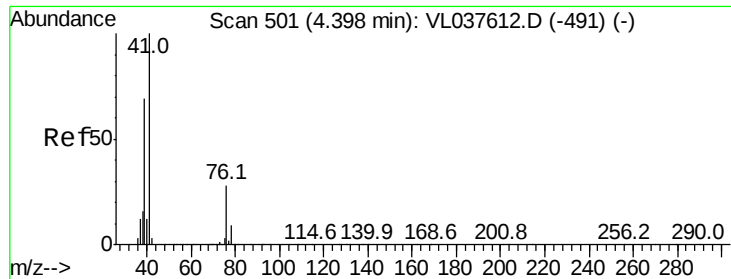
84 100

49 151.4 120.0 180.0

51 44.8 38.0 57.0

86 62.4 48.2 72.2

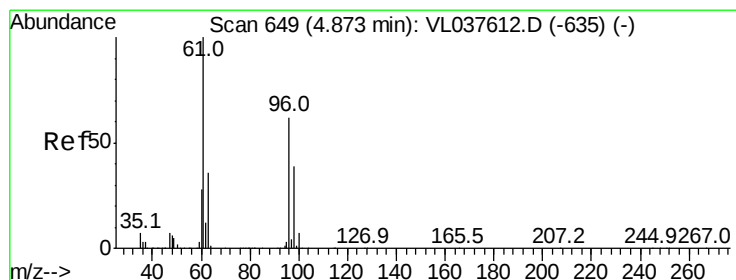
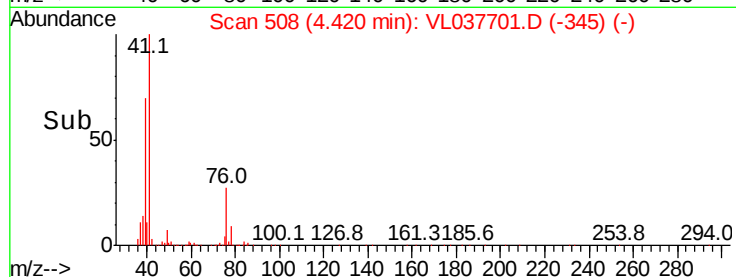
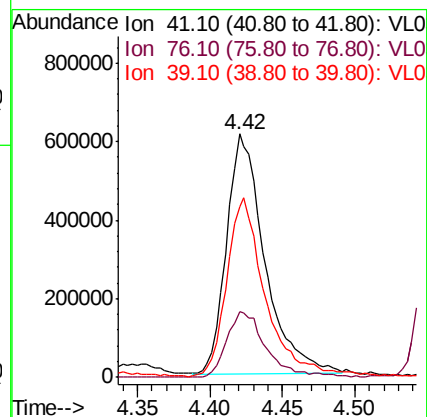
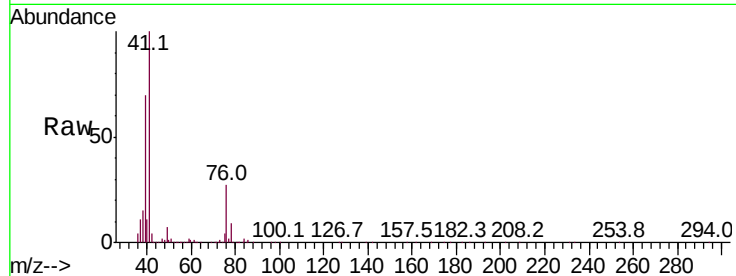




#21
 Allvl Chloride
 Concen: 9.799 ppbv
 RT: 4.42
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 13:00

Tot Ion: 41 Resp: 1120615

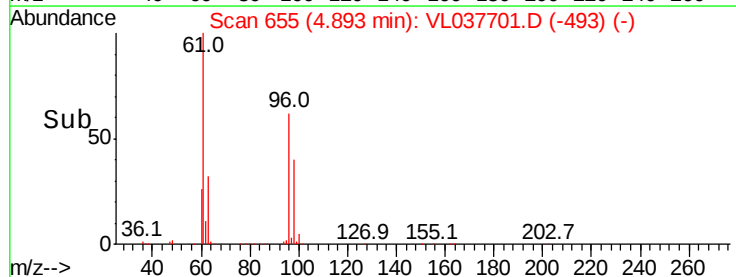
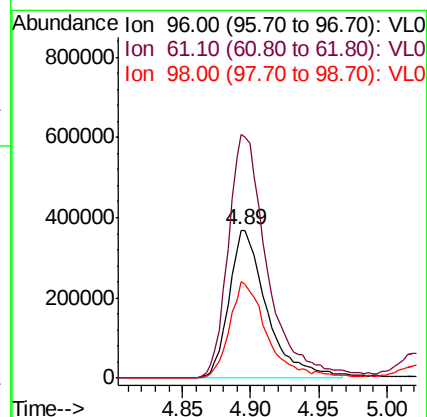
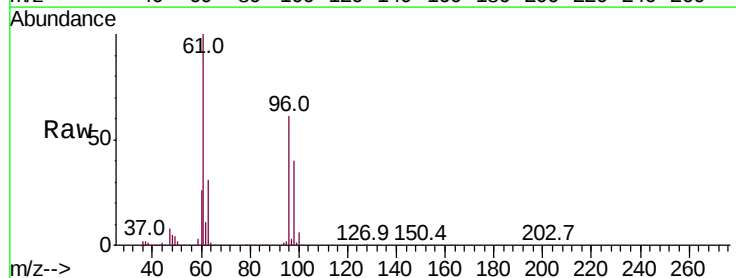
Ion	Ratio	Lower	Upper
41	100		
76	28.2	23.1	34.7
39	75.2	61.0	91.6

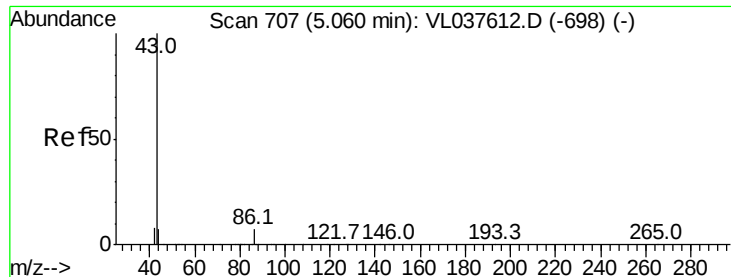


#22
 trans-1,2-Dichloroethene
 Concen: 9.580 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T.: 0.02 min
 Lab File: VL037701.D
 Acq: 28 Sep 2021 13:00

Tgt Ion: 96 Resp: 709454

Ion	Ratio	Lower	Upper
96	100		
61	164.6	129.2	193.8
98	65.1	50.4	75.6





#23

Vinyl Acetate

Concen: 10.778 ppbv

RT: 5.08 Instrument:

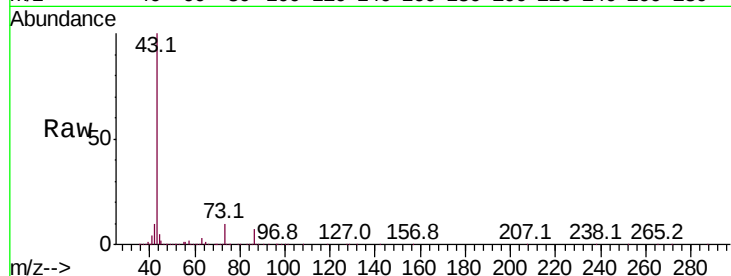
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 28 Sep 2021 13:00

Tot Ion: 43 Resp: 2283057

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.0	7.6
42	9.4	7.5	11.3
44	4.9	4.7	7.1

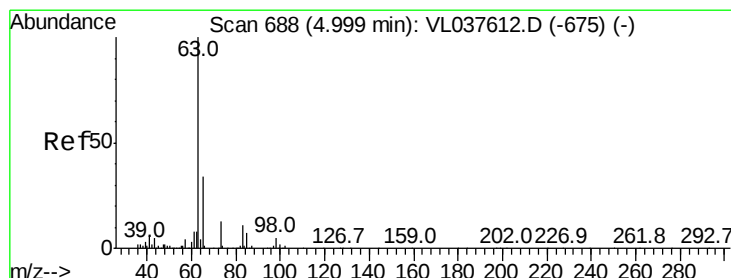
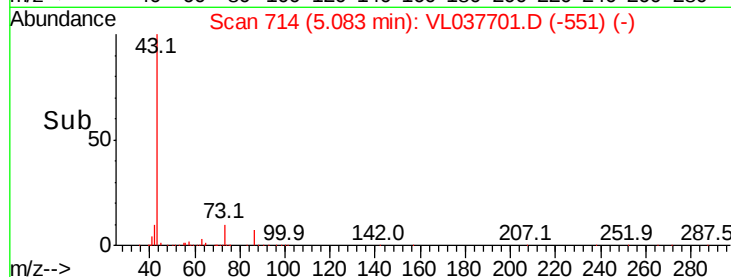
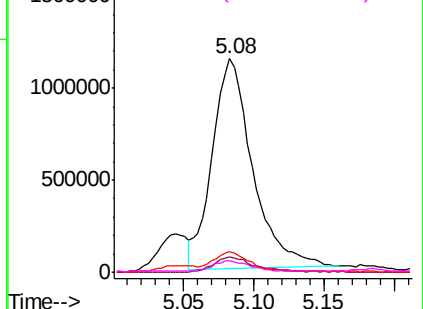


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.858 ppbv

RT: 5.02 min Scan# 695

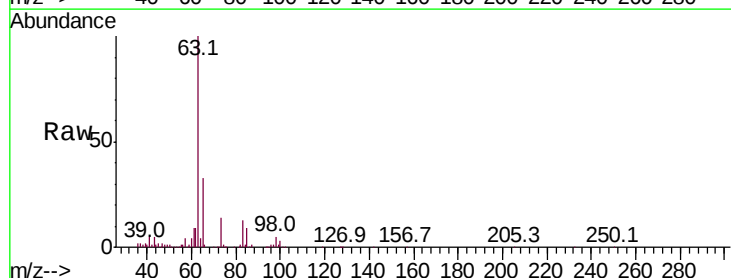
Delta R.T. 0.02 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

Tgt Ion: 63 Resp: 1495904

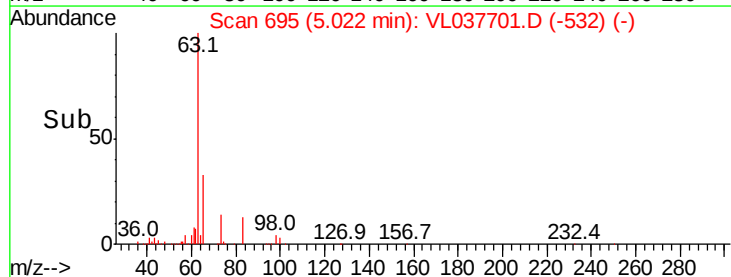
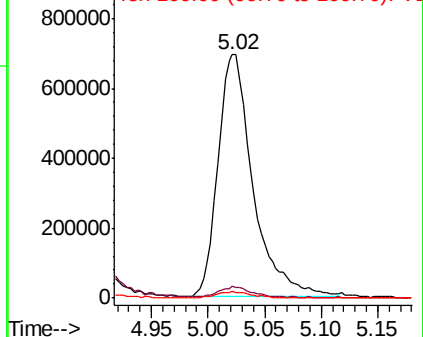
Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.4	7.2
100	2.8	1.1	3.5

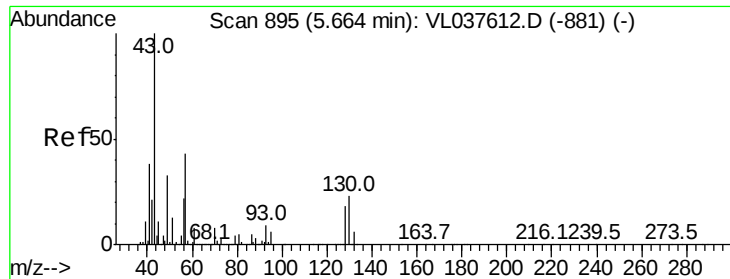


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

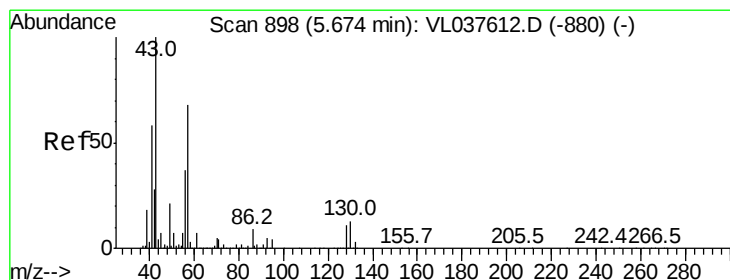
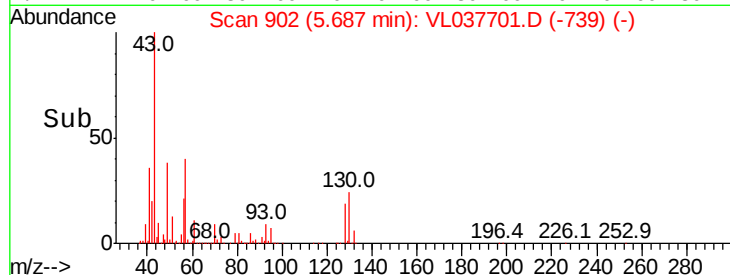
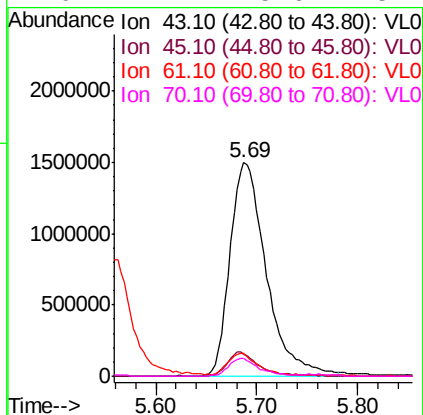
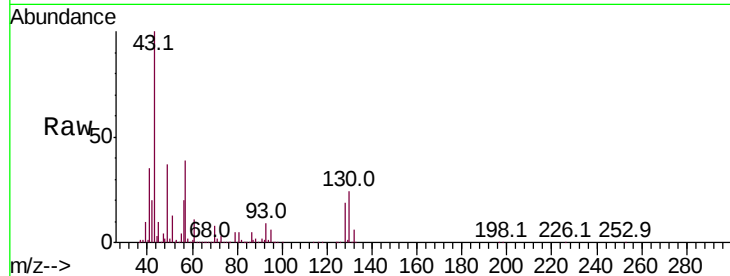
Ion 100.00 (99.70 to 100.70): VL0





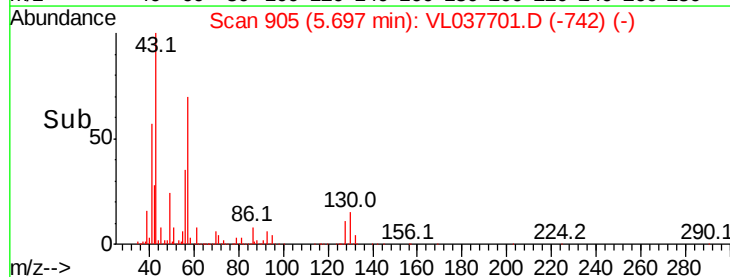
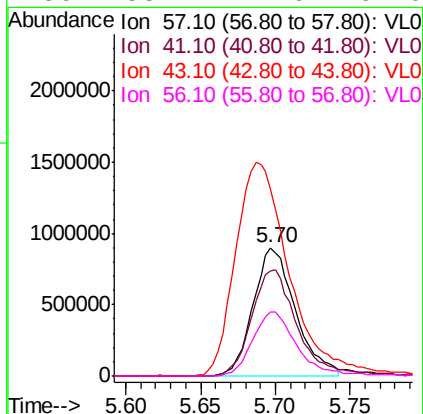
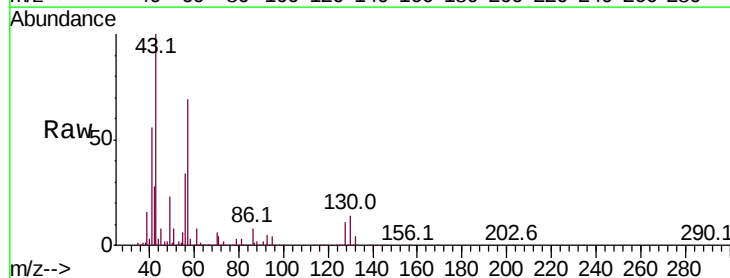
#25
Ethyl Acetate
Concen: 10.068 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Sep 2021 13:00

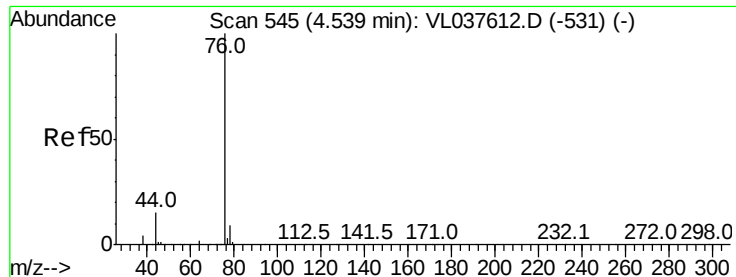
Tot Ion:	43	Resp:	3732895
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.8	7.5	11.3
70	7.1	5.6	8.4



#26
Hexane
Concen: 10.015 ppbv
RT: 5.70 min Scan# 905
Delta R.T.: 0.02 min
Lab File: VL037701.D
Acq: 28 Sep 2021 13:00

Tgt Ion:	57	Resp:	1763774
Ion	Ratio	Lower	Upper
57	100		
41	90.6	70.9	106.3
43	213.4	170.4	255.6
56	53.4	42.6	64.0





#27

Carbon Disulfide

Concen: 10.628 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 13:00

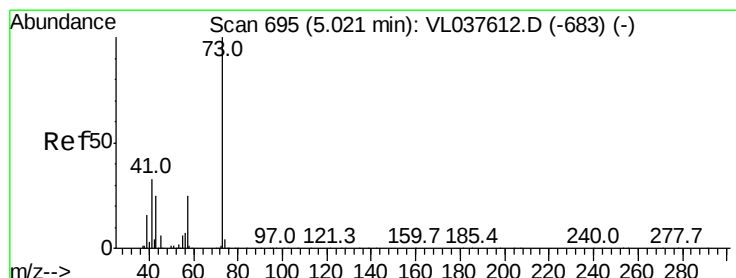
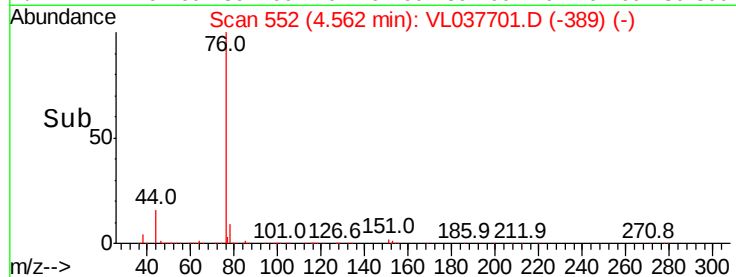
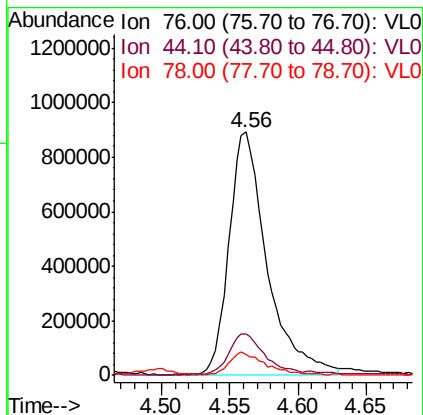
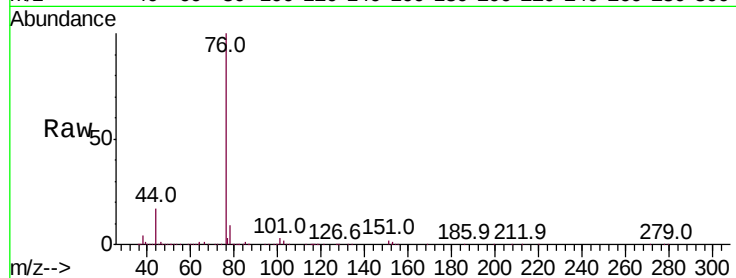
Tot Ion: 76 Resp: 1712305

Ion Ratio Lower Upper

76 100

44 17.2 14.2 21.2

78 9.6 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 11.271 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.02 min

Lab File: VL037701.D

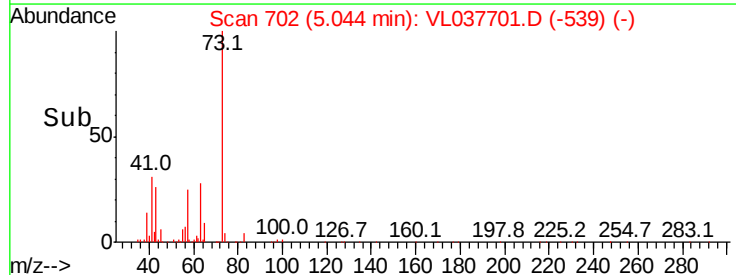
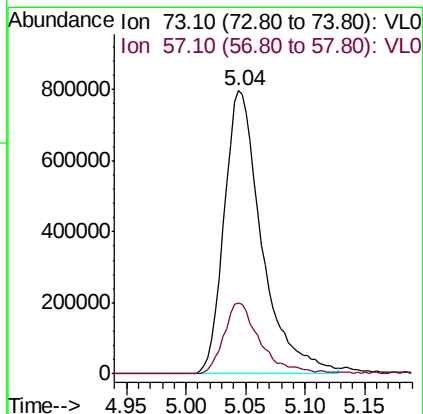
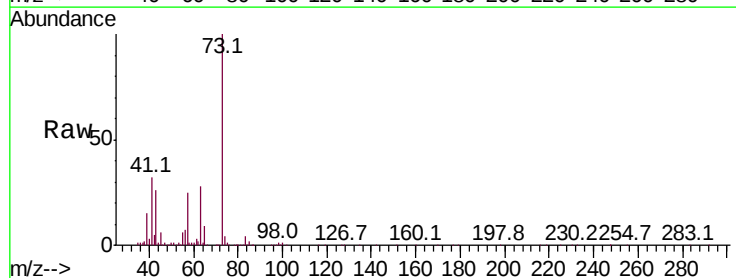
Acq: 28 Sep 2021 13:00

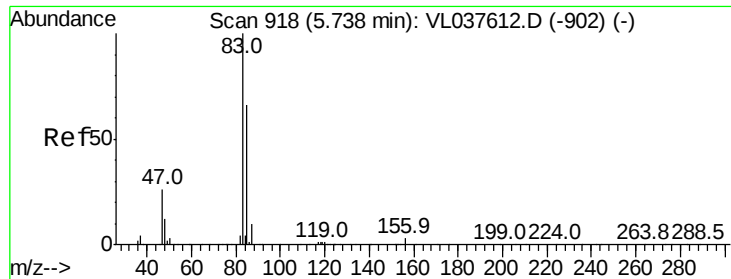
Tgt Ion: 73 Resp: 1748343

Ion Ratio Lower Upper

73 100

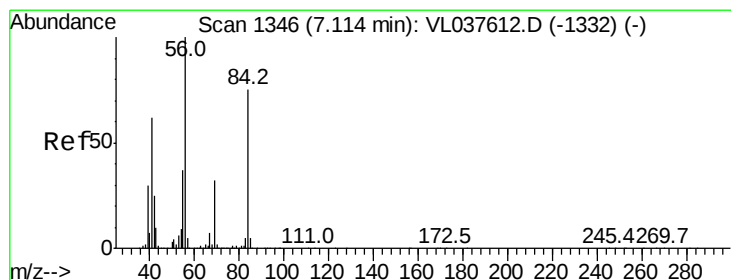
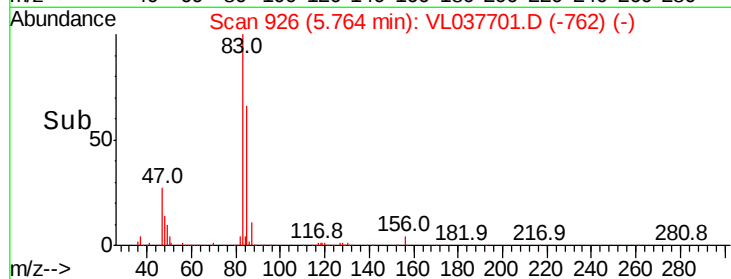
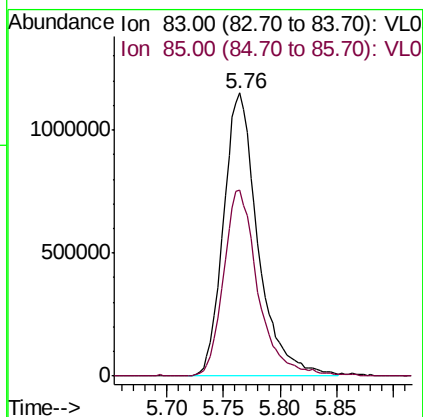
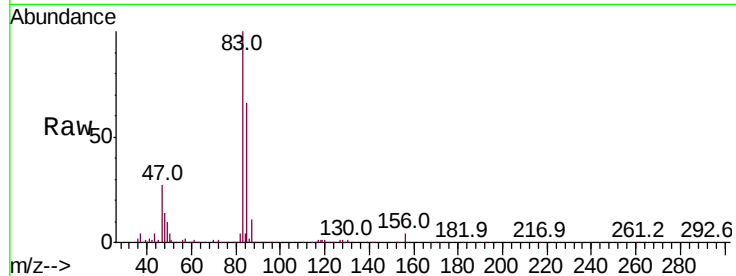
57 24.7 20.1 30.1





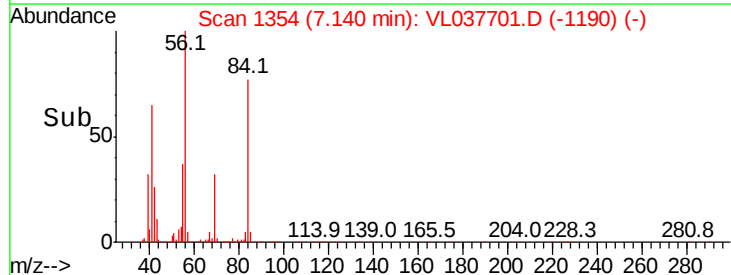
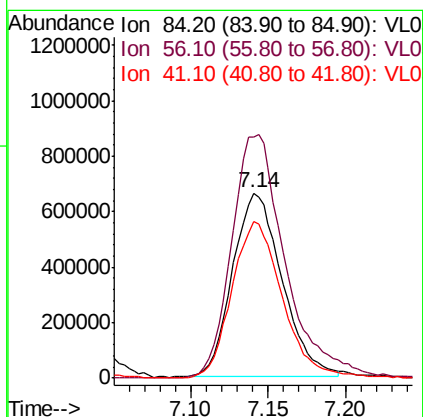
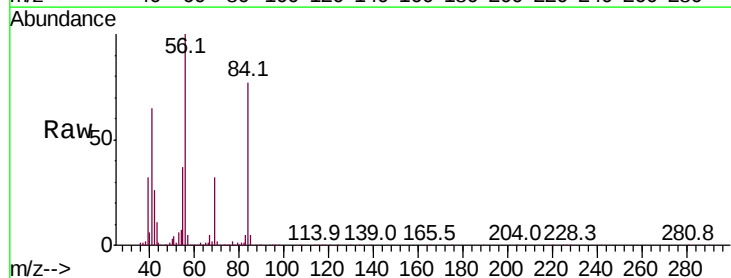
#29
Chloroform
Concen: 9.476 ppbv
RT: 5.76
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Sep 2021 13:00

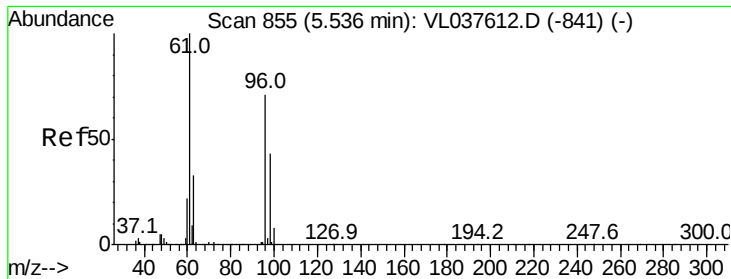
Tot Ion: 83 Resp: 2437025
Ion Ratio Lower Upper
83 100
85 65.6 52.6 79.0



#30
Cyclohexane
Concen: 9.742 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL037701.D
Acq: 28 Sep 2021 13:00

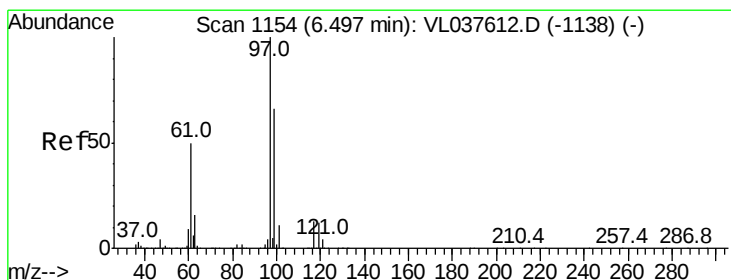
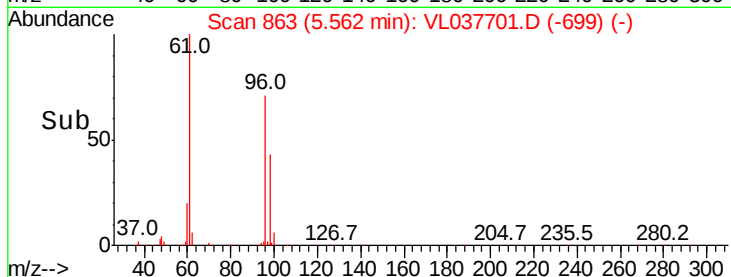
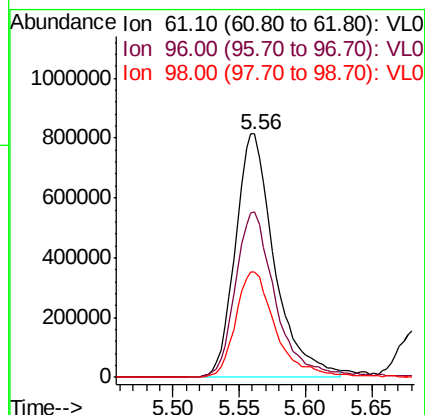
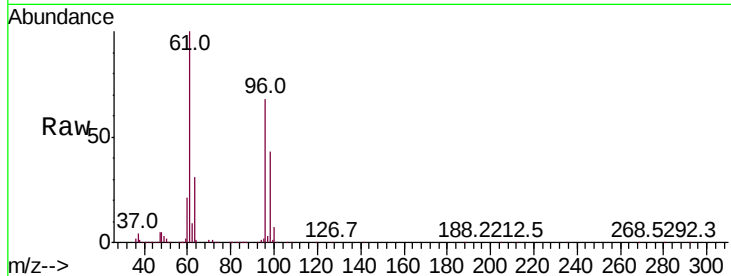
Tgt Ion: 84 Resp: 1467472
Ion Ratio Lower Upper
84 100
56 145.3 113.6 170.4
41 87.6 67.9 101.9





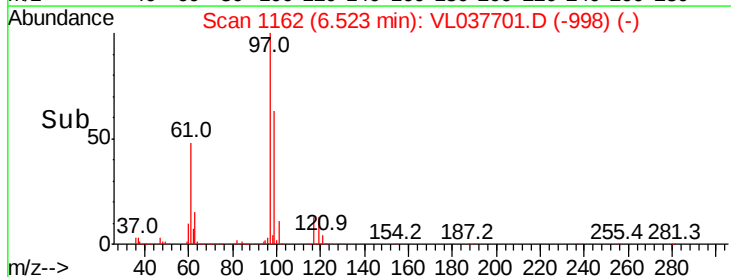
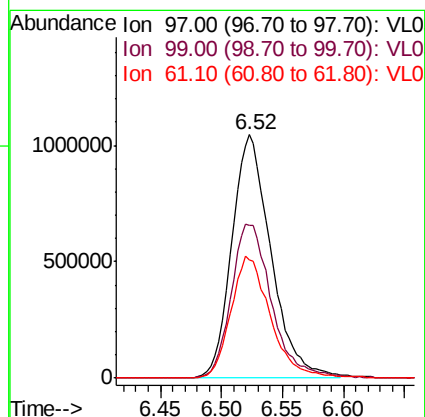
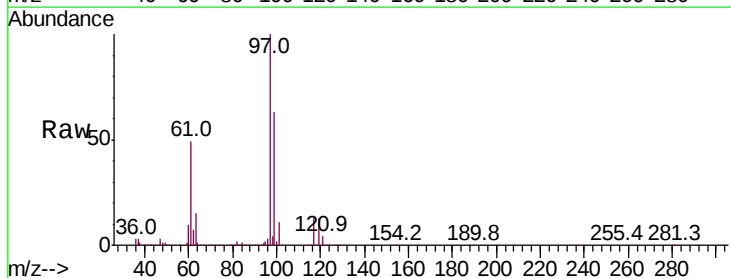
#31
 cis-1,2-Dichloroethene
 Concen: 10.434 ppbv
 RT: 5.56
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 13:00

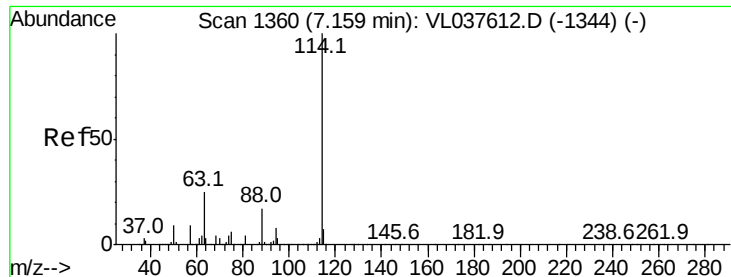
Tot Ion: 61 Resp: 1668243
 Ion Ratio Lower Upper
 61 100
 96 67.8 56.7 85.1
 98 43.3 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 9.741 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T.: 0.03 min
 Lab File: VL037701.D
 Acq: 28 Sep 2021 13:00

Tgt Ion: 97 Resp: 2332209
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.3 78.5
 61 50.8 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument: MSVOA_1

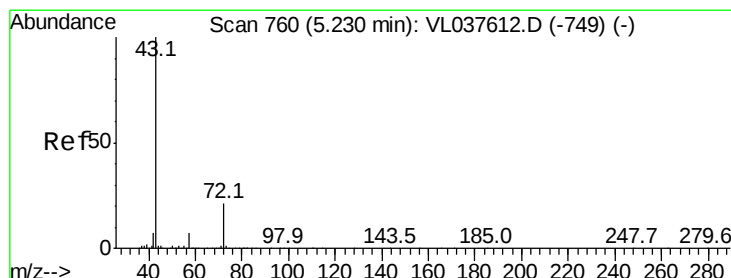
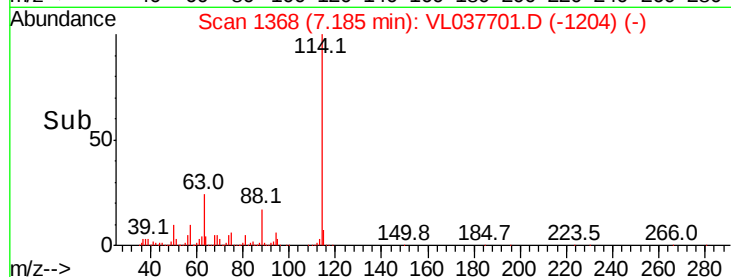
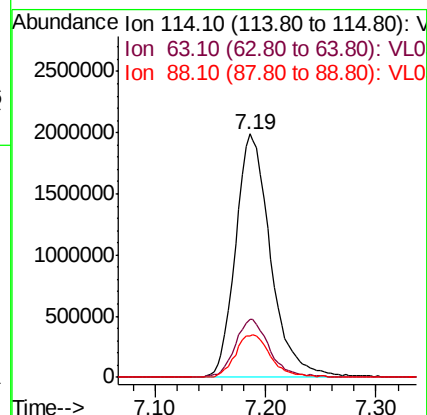
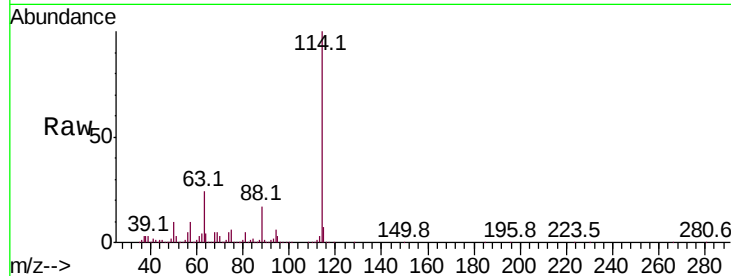
Delta R.T. ClientSampleId:

Lab File:

Acq: 28 Sep 2021 13:00

Tot Ion:114 Resp: 4369968

Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.6	29.4
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 9.463 ppbv

RT: 5.25 min Scan# 767

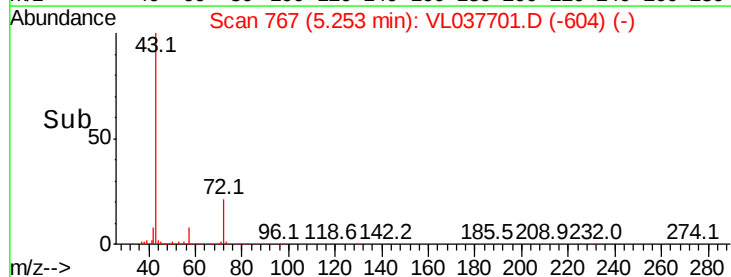
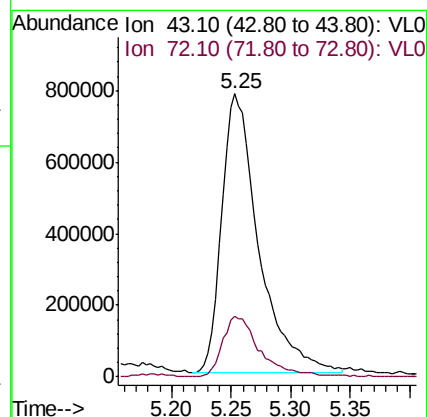
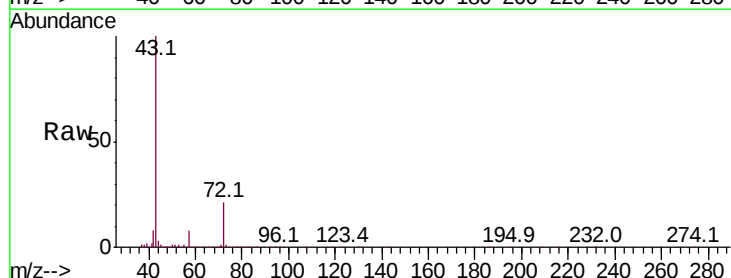
Delta R.T. 0.02 min

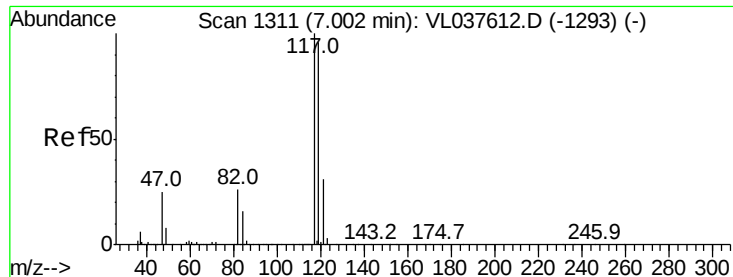
Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

Tgt Ion: 43 Resp: 1680406

Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.4	27.6





#35

Carbon Tetrachloride

Concen: 9.880 ppbv

RT: 7.03 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 28 Sep 2021 13:00

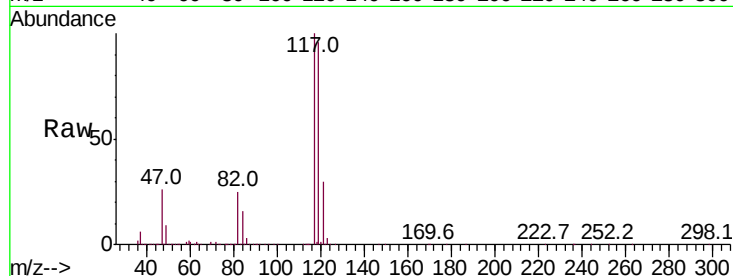
Tot Ion:117 Resp: 2442334

Ion Ratio Lower Upper

117 100

119 95.5 77.0 115.6

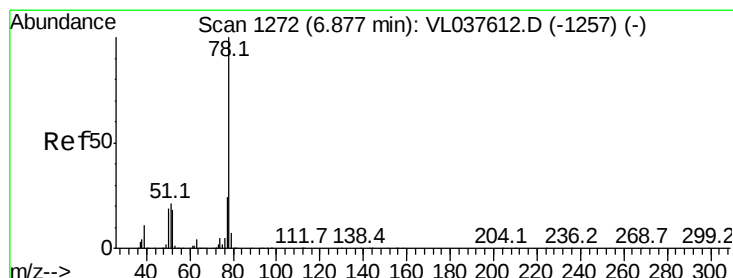
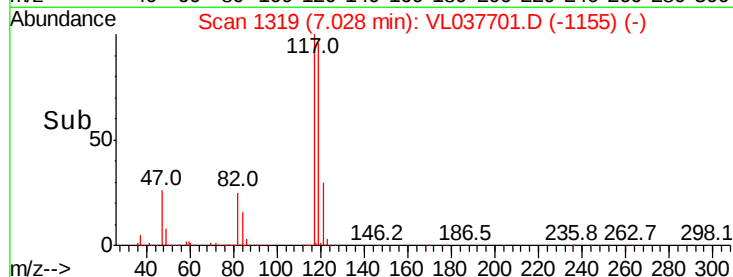
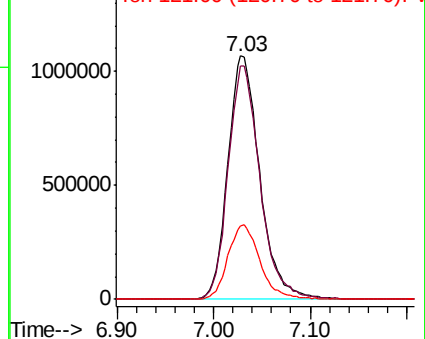
121 30.2 24.5 36.7



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: 10.138 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.03 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

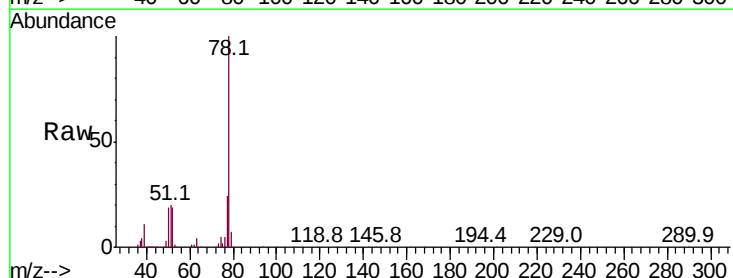
Tgt Ion: 78 Resp: 3694116

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.4

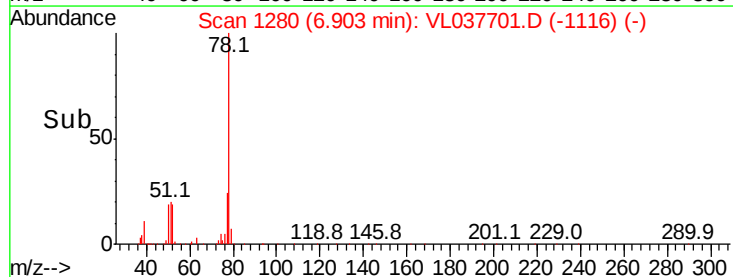
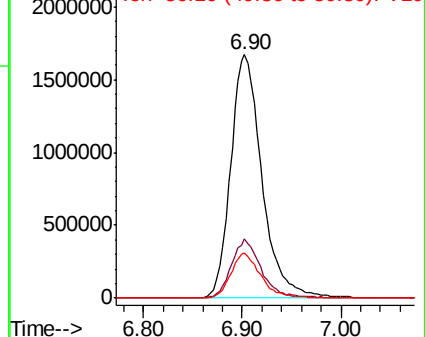
50 18.5 14.8 22.2

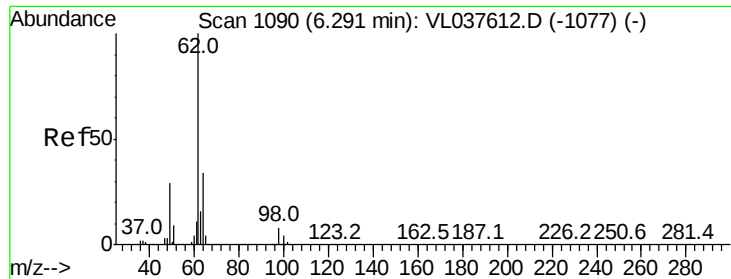


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.558 ppbv

RT: 6.32 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

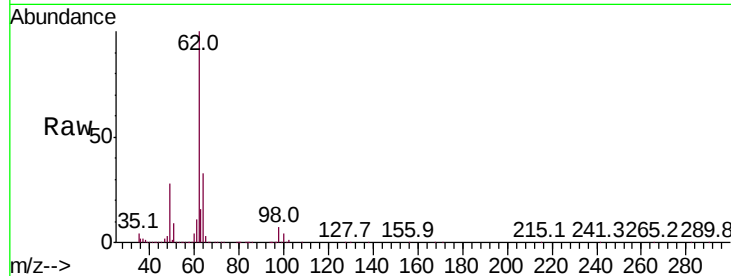
Acq: 28 Sep 2021 13:00

Tot Ion: 62 Resp: 1712967

Ion Ratio Lower Upper

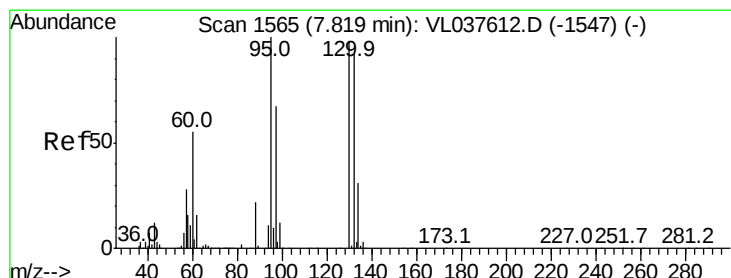
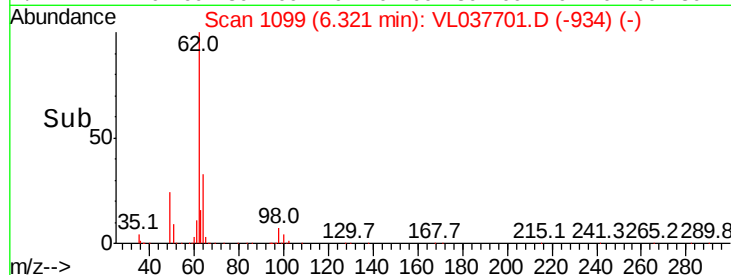
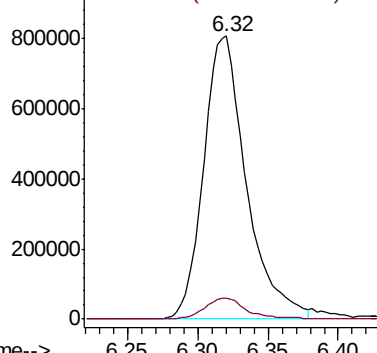
62 100

98 7.5 6.1 9.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.462 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.03 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

Tgt Ion:130 Resp: 1440316

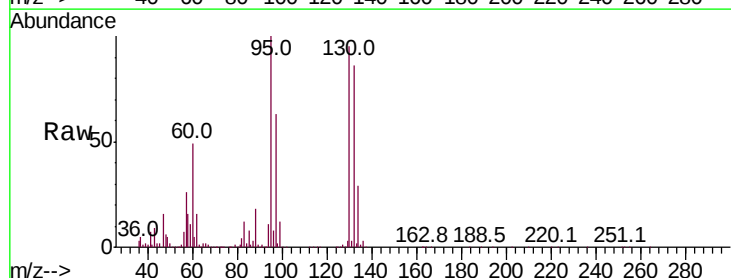
Ion Ratio Lower Upper

130 100

95 105.4 81.8 122.6

132 91.0 75.3 112.9

97 66.9 54.7 82.1

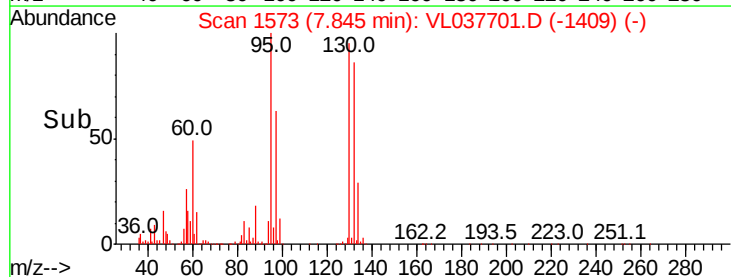
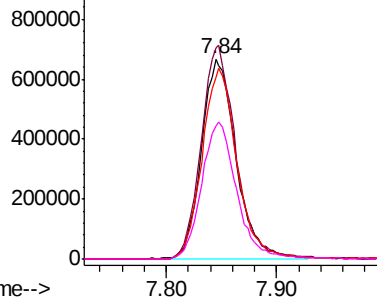


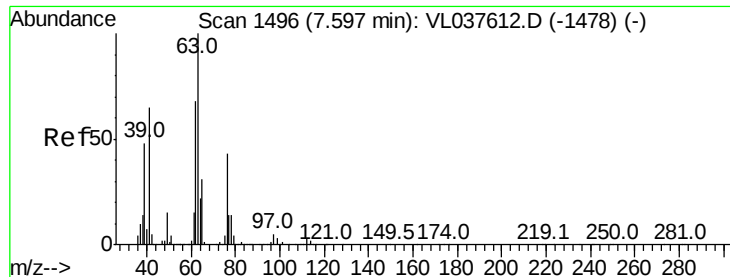
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.006 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 28 Sep 2021 13:00

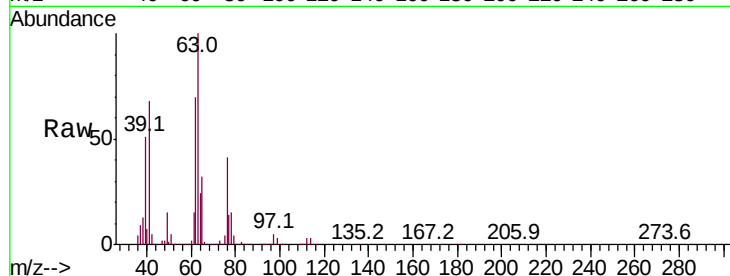
Tot Ion: 63 Resp: 1396484

Ion Ratio Lower Upper

63 100

41 67.9 51.6 77.4

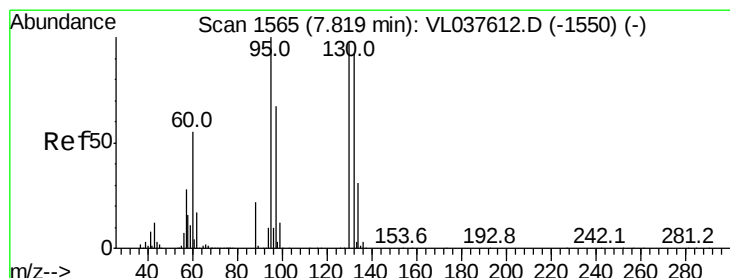
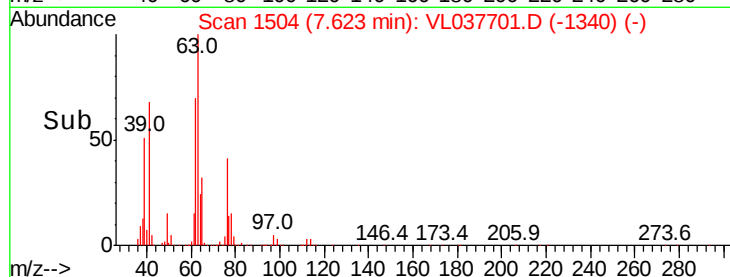
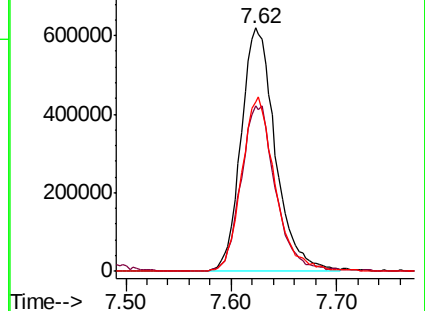
62 69.5 54.6 81.8



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.077 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.03 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

Tgt Ion: 88 Resp: 342131

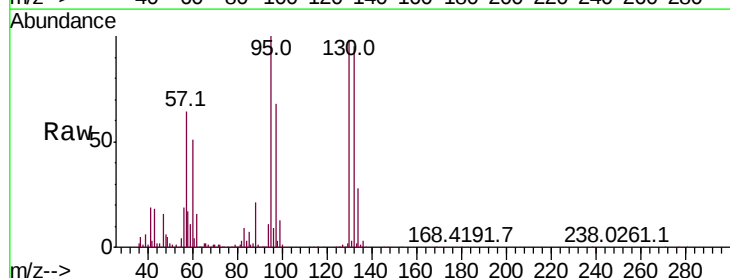
Ion Ratio Lower Upper

88 100

58 160.9 122.4 183.6

43 387.5 297.4 446.0

57 1783.8 1329.8 1994.8

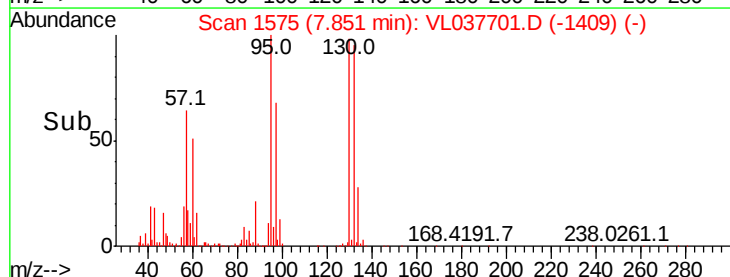
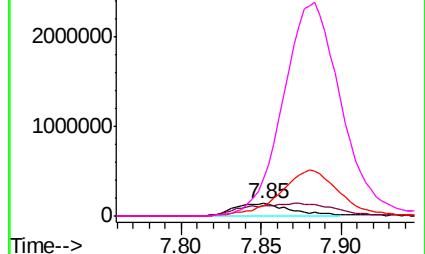


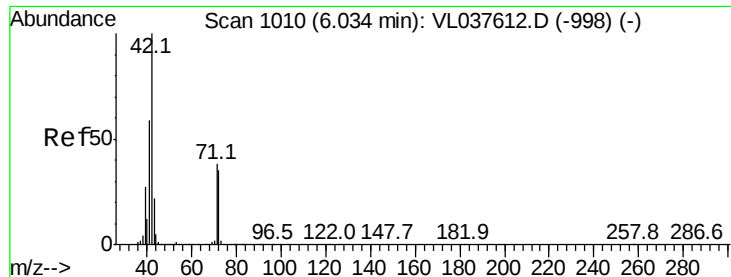
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.935 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 28 Sep 2021 13:00

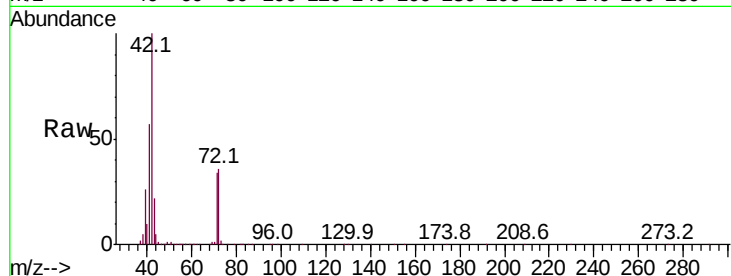
Tot Ion: 42 Resp: 912881

Ion Ratio Lower Upper

42 100

72 39.2 31.4 47.2

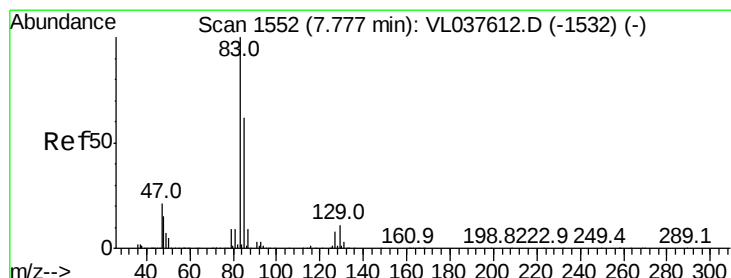
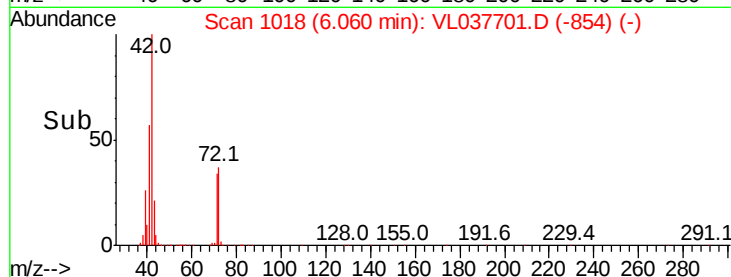
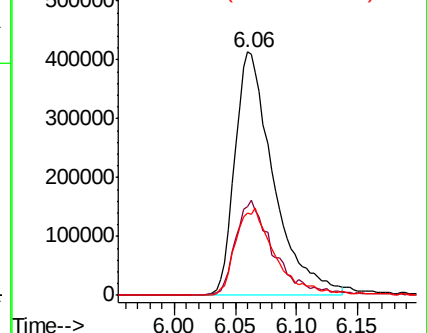
71 37.2 30.6 46.0



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: 10.204 ppbv

RT: 7.80 min Scan# 1560

Delta R.T. 0.03 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

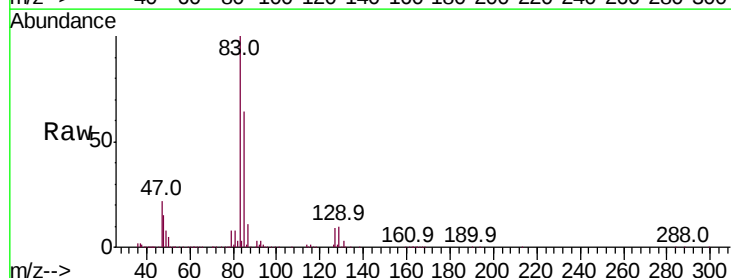
Tgt Ion: 83 Resp: 2621114

Ion Ratio Lower Upper

83 100

85 64.4 49.8 74.6

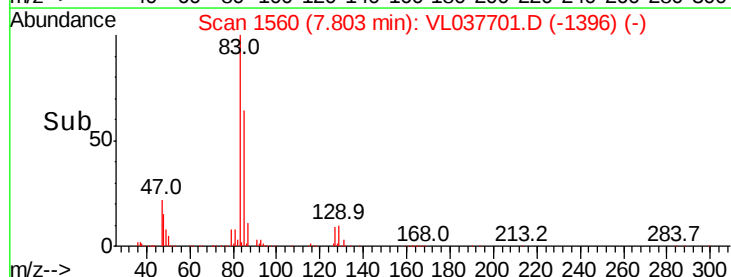
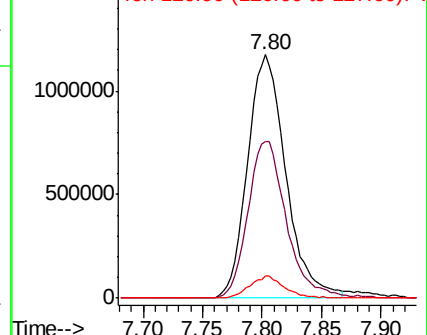
127 9.1 6.4 9.6

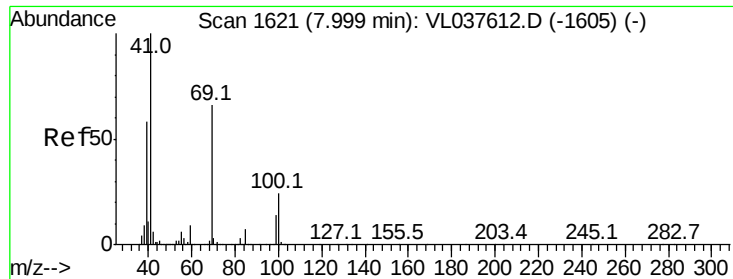


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.849 ppbv

RT: 8.03

Instrument: MSVOA_1

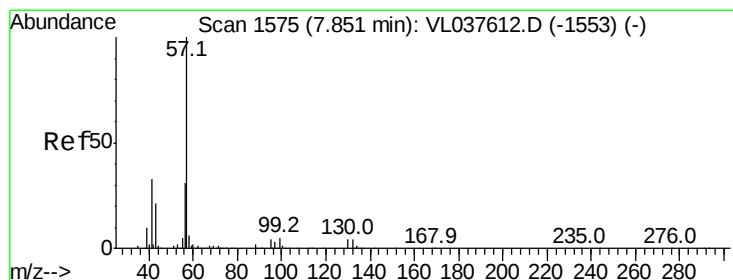
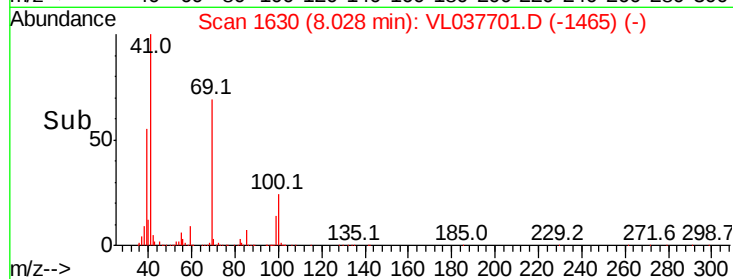
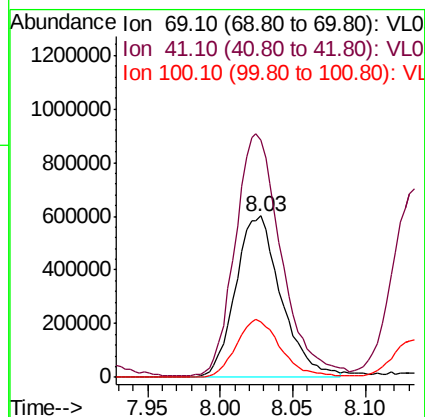
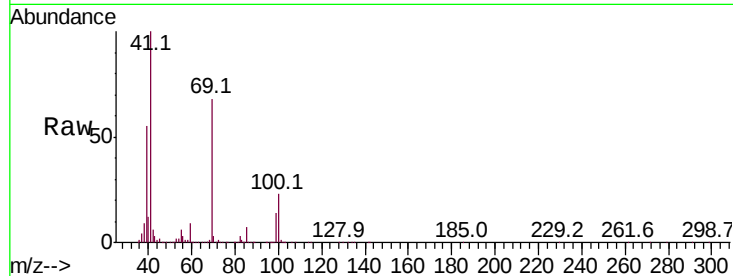
Delta R.T. ClientSampleId:

Lab File:

Acq: 28 Sep 2021 13:00

Tot Ion: 69 Resp: 1315192

Ion	Ratio	Lower	Upper
69	100		
41	153.5	119.0	178.4
100	35.6	27.6	41.4



#44

2,2,4-Trimethylpentane

Concen: 9.897 ppbv

RT: 7.88 min Scan# 1585

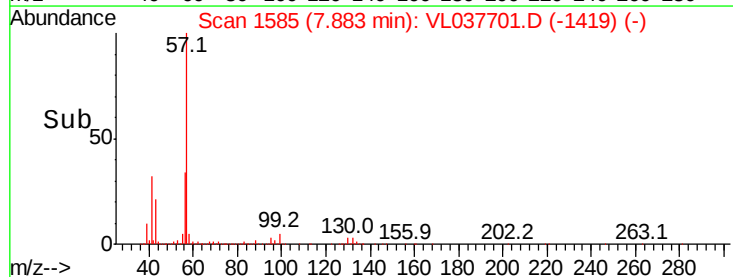
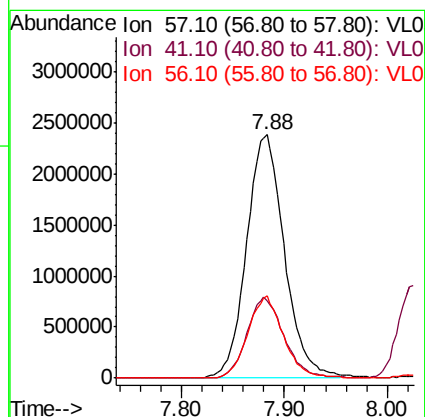
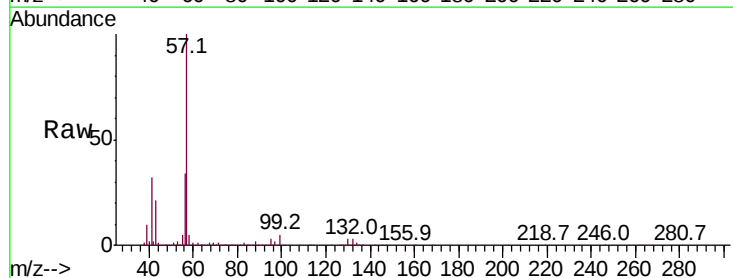
Delta R.T. 0.03 min

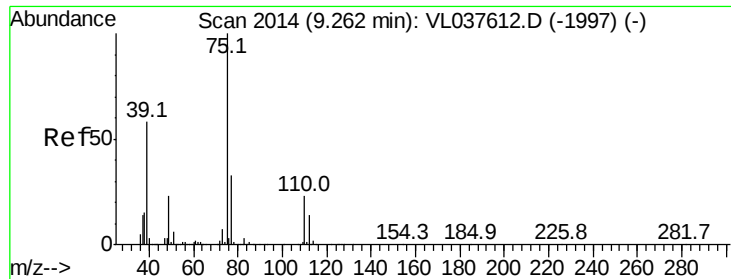
Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

Tgt Ion: 57 Resp: 6063103

Ion	Ratio	Lower	Upper
57	100		
41	32.5	26.1	39.1
56	32.0	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 10.517 ppbv

RT: 9.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

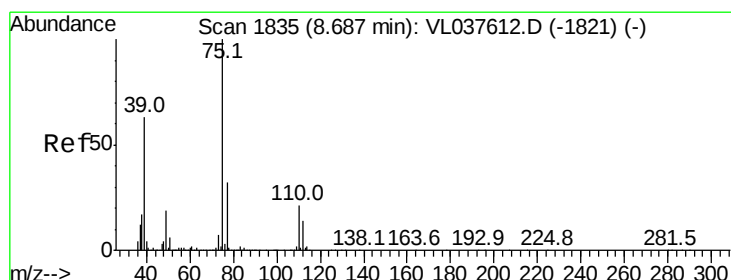
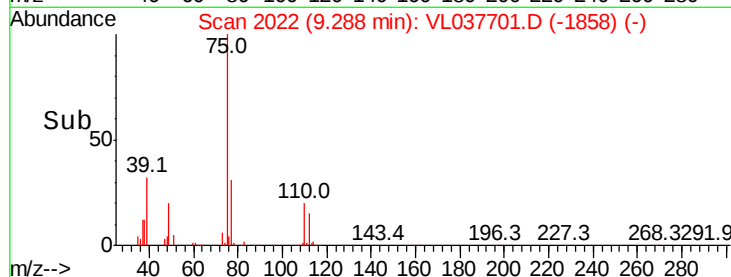
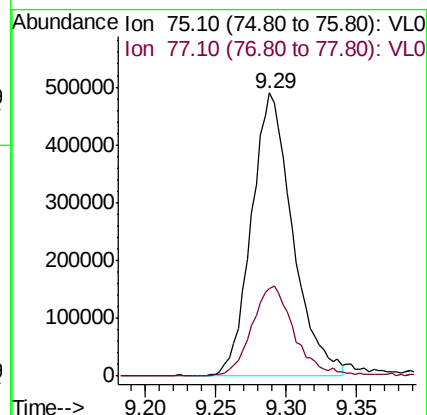
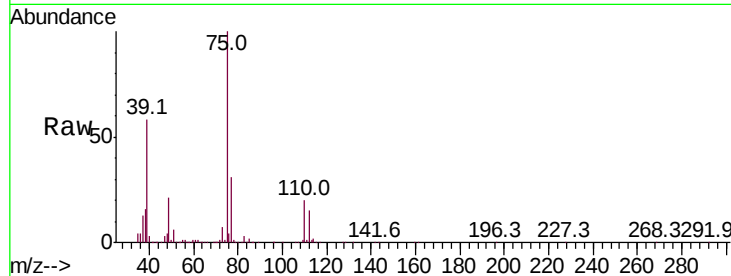
Acq: 28 Sep 2021 13:00

Tot Ion: 75 Resp: 1001423

Ion Ratio Lower Upper

75 100

77 31.1 26.3 39.5



#46

cis-1,3-Dichloropropene

Concen: 10.588 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. 0.03 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

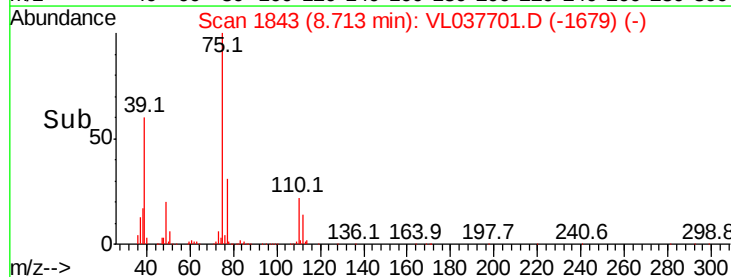
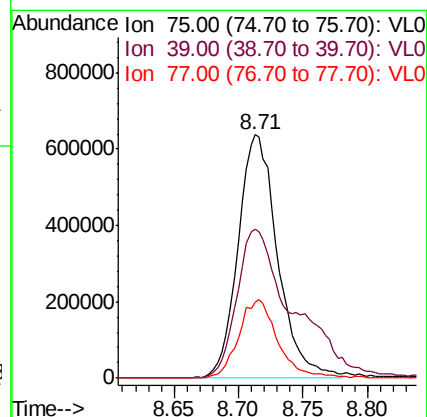
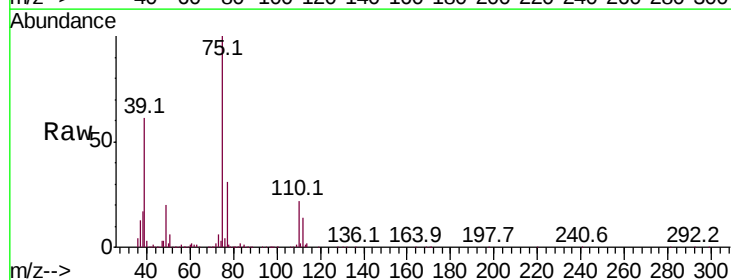
Tgt Ion: 75 Resp: 1361941

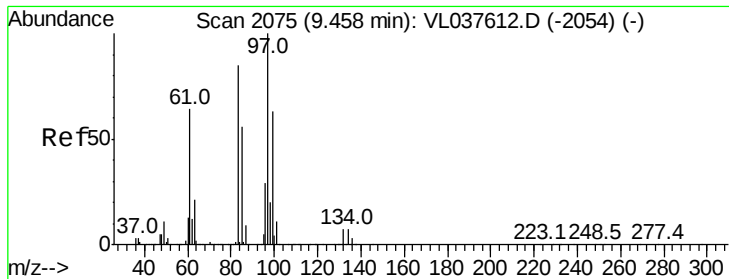
Ion Ratio Lower Upper

75 100

39 60.7 50.2 75.4

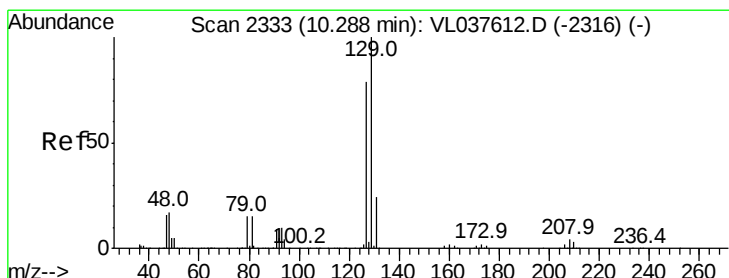
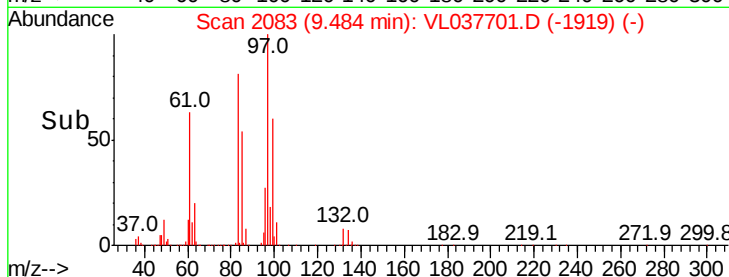
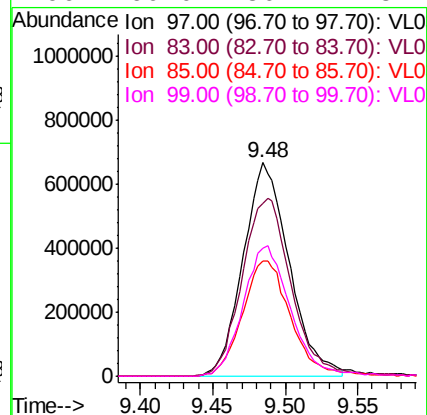
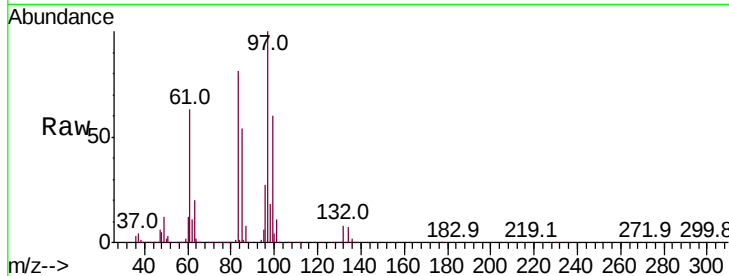
77 31.3 25.2 37.8





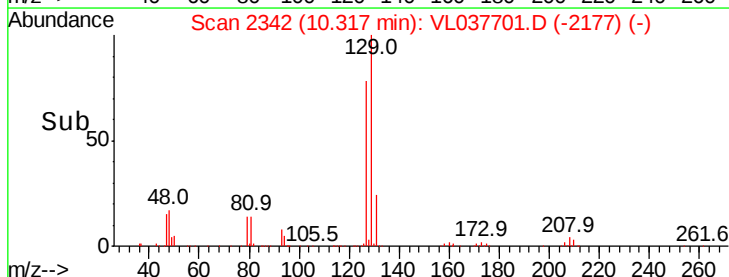
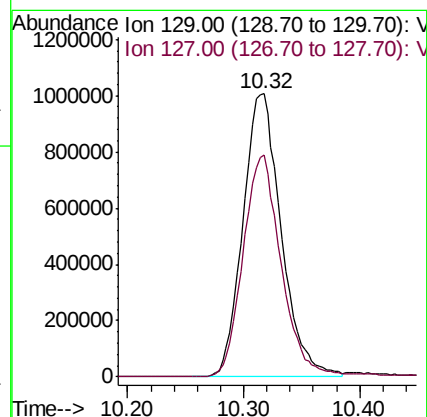
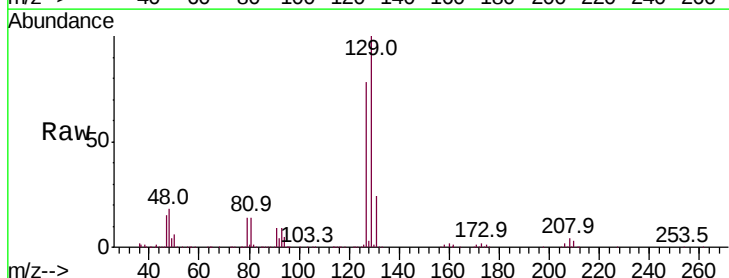
#47
 1,1,2-Trichloroethane
 Concen: 9.513 ppbv
 RT: 9.48
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 13:00

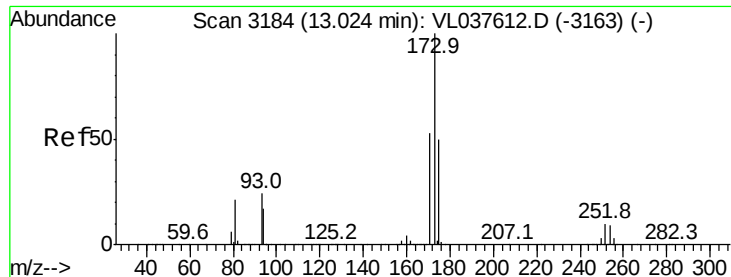
Tot Ion:	97	Resp:	1468756
Ion	Ratio	Lower	Upper
97	100		
83	81.0	67.9	101.9
85	53.8	44.8	67.2
99	60.0	50.1	75.1



#48
 Dibromochloromethane
 Concen: 10.727 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T.: 0.03 min
 Lab File: VL037701.D
 Acq: 28 Sep 2021 13:00

Tgt Ion:	129	Resp:	2310498
Ion	Ratio	Lower	Upper
129	100		
127	79.5	39.3	117.8





#49

Bromoform

Concen: 10.634 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

Acq: 28 Sep 2021 13:00

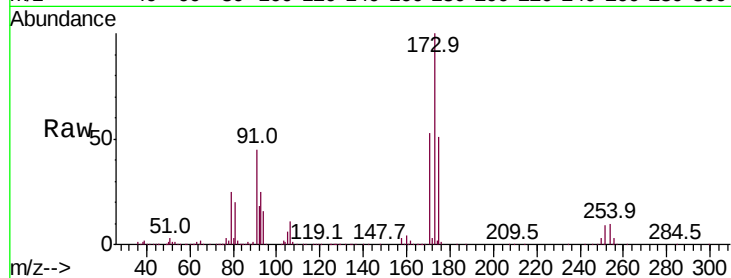
Tot Ion:173 Resp: 1833110

Ion Ratio Lower Upper

173 100

175 51.7 39.8 59.8

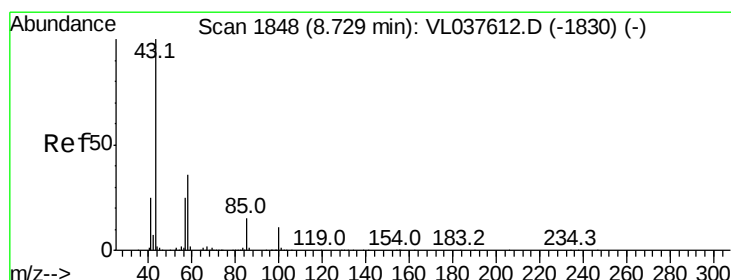
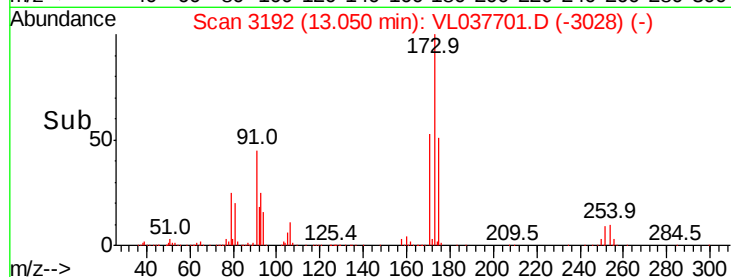
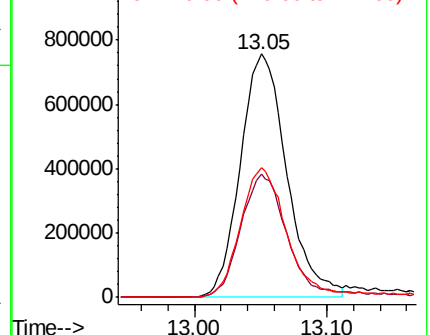
171 56.3 42.2 63.4



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: 10.886 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.02 min

Lab File: VL037701.D

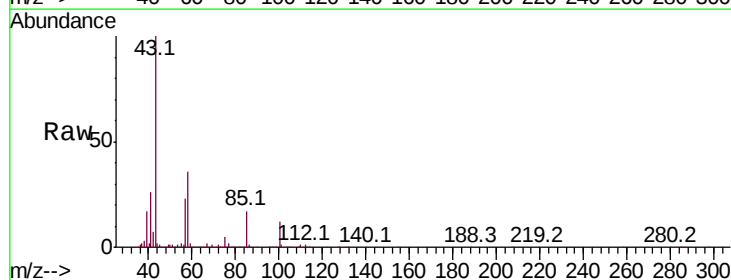
Acq: 28 Sep 2021 13:00

Tgt Ion: 43 Resp: 2453748

Ion Ratio Lower Upper

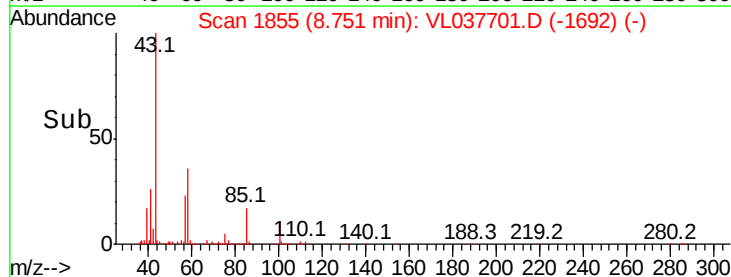
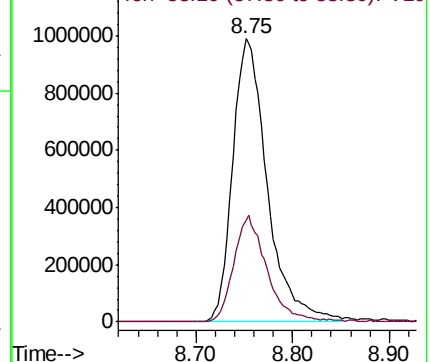
43 100

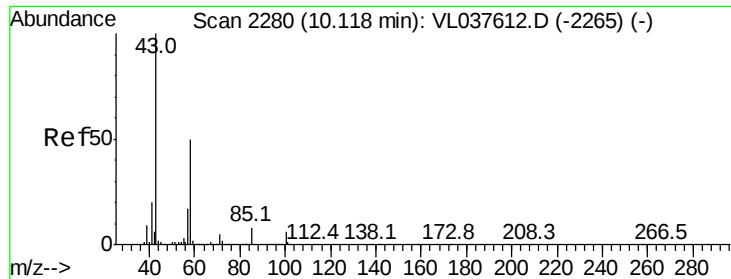
58 36.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

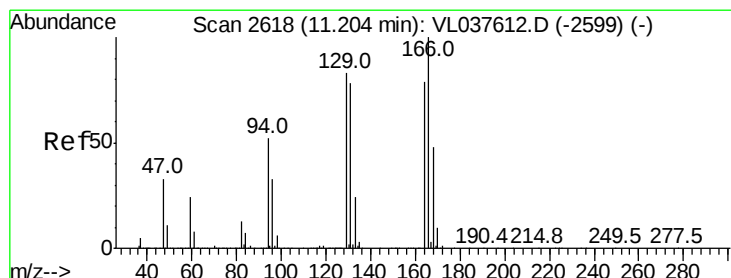
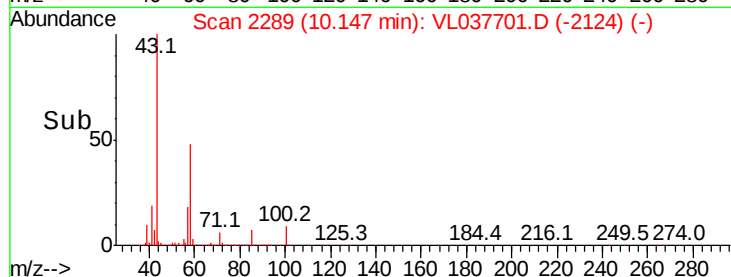
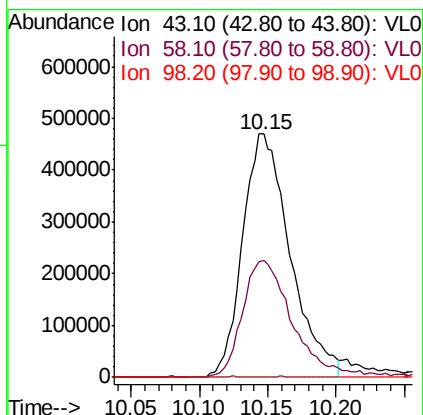
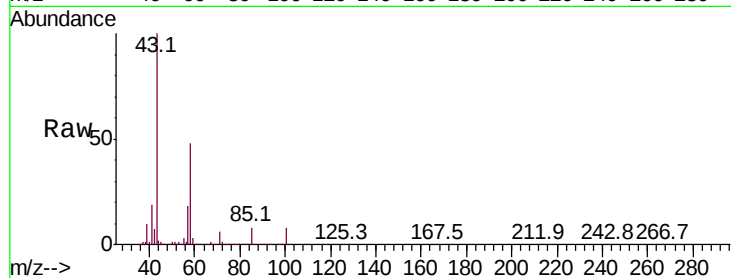




#51
2-Hexanone
Concen: 11.416 ppbv
RT: 10.15 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Sep 2021 13:00

Tot Ion: 43 Resp: 1135284

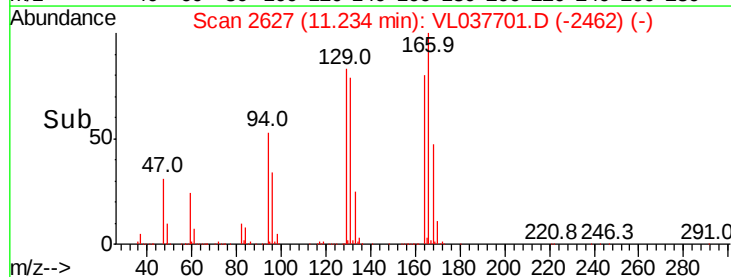
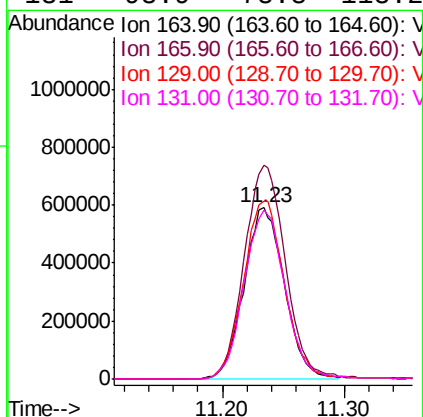
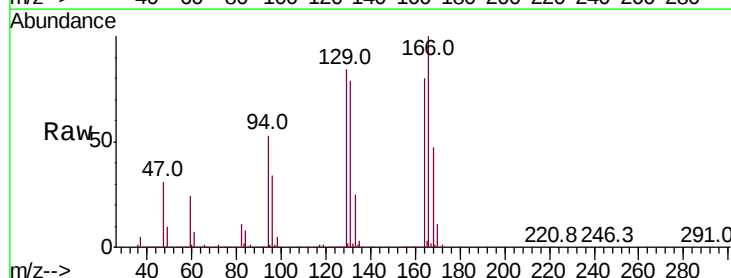
Ion	Ratio	Lower	Upper
43	100		
58	51.8	39.3	58.9
98	0.3	0.4	0.6#

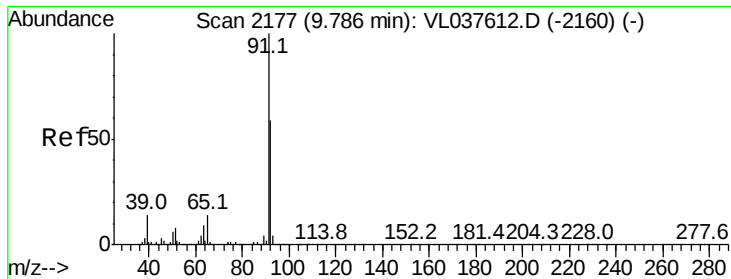


#52
Tetrachloroethene
Concen: 9.660 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.03 min
Lab File: VL037701.D
Acq: 28 Sep 2021 13:00

Tgt Ion: 164 Resp: 1351386

Ion	Ratio	Lower	Upper
164	100		
166	124.8	101.2	151.8
129	104.2	84.0	126.0
131	98.9	78.8	118.2





#53

Toluene

Concen: 10.483 ppbv

RT: 9.82

Delta R.T. MSVOA_L

Lab File:

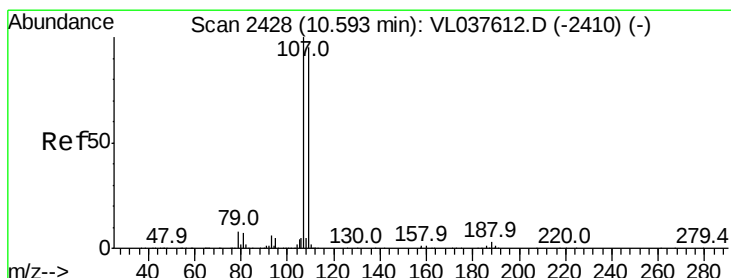
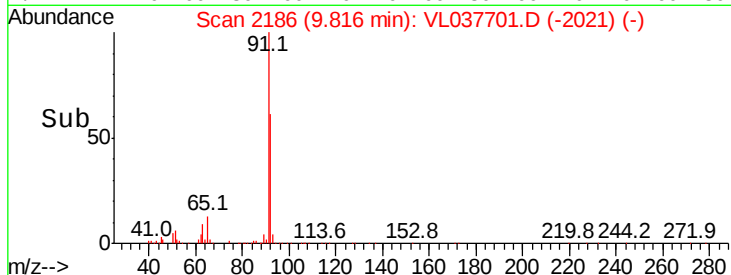
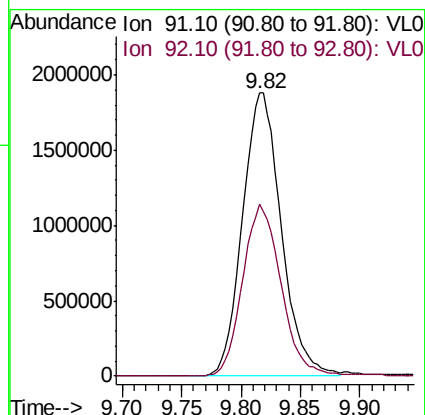
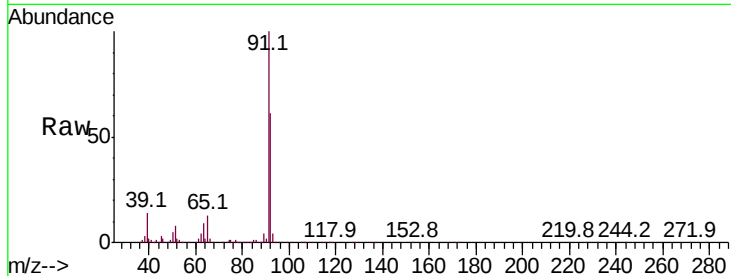
Acq: 28 Sep 2021 13:00

Tot Ion: 91 Resp: 4245911

Ion Ratio Lower Upper

91 100

92 60.7 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.824 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.03 min

Lab File: VL037701.D

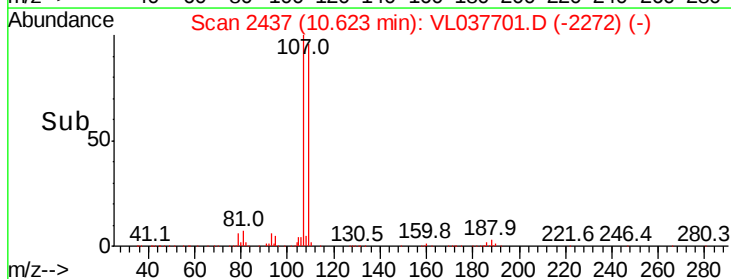
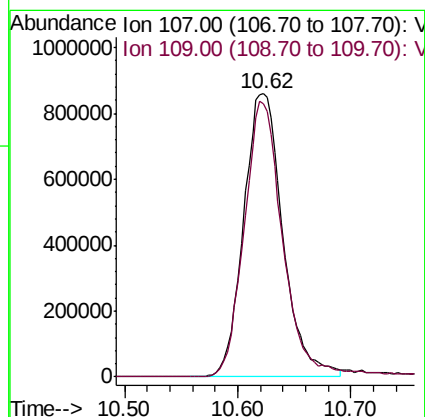
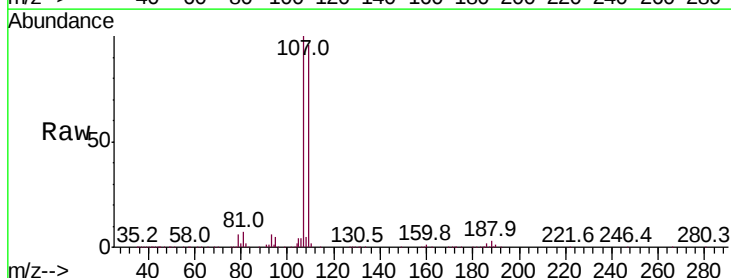
Acq: 28 Sep 2021 13:00

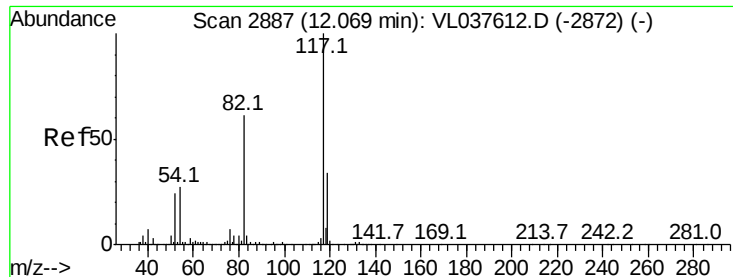
Tgt Ion: 107 Resp: 2076848

Ion Ratio Lower Upper

107 100

109 96.4 76.0 114.0

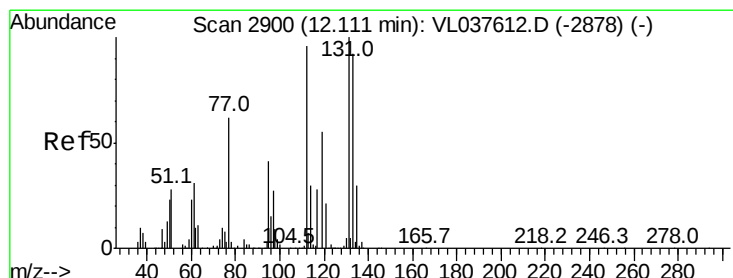
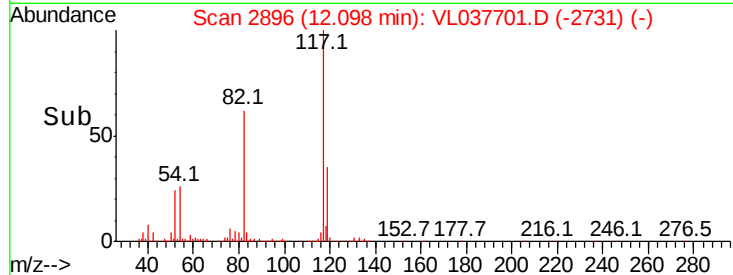
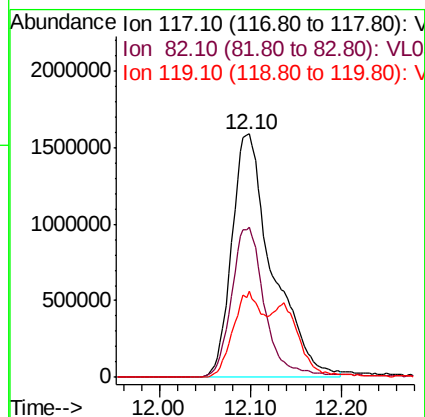
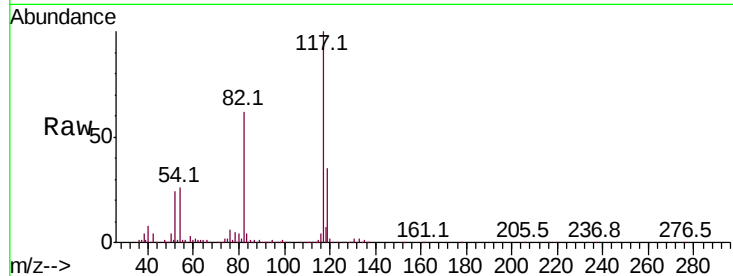




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Sep 2021 13:00

Tot Ion:117 Resp: 4930898

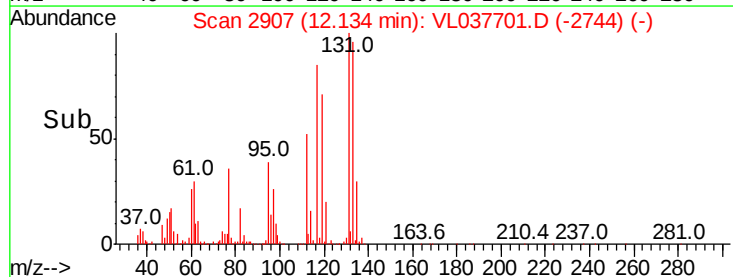
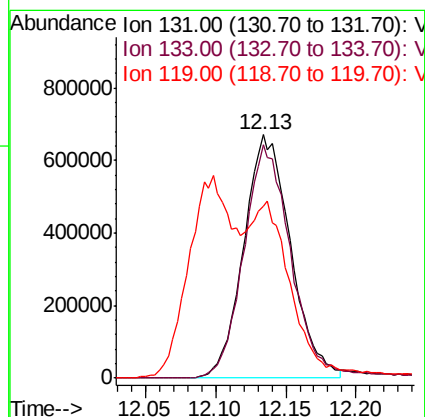
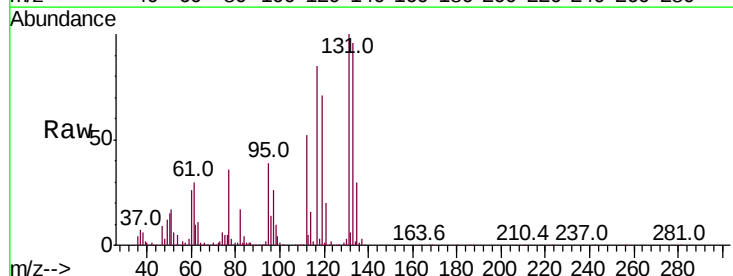
Ion	Ratio	Lower	Upper
117	100		
82	51.9	50.6	75.8
119	26.8	26.2	39.2

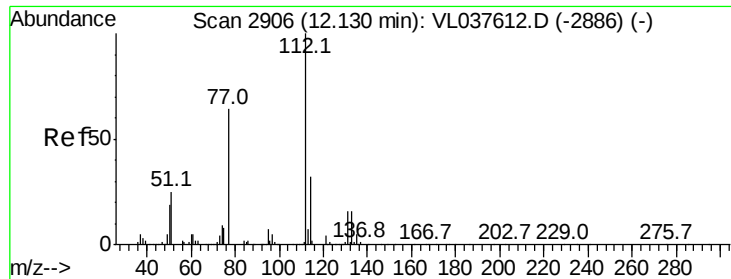


#56
1,1,1,2-Tetrachloroethane
Concen: 7.603 ppbv
RT: 12.13 min Scan# 2907
Delta R.T.: 0.02 min
Lab File: VL037701.D
Acq: 28 Sep 2021 13:00

Tgt Ion:131 Resp: 1554991

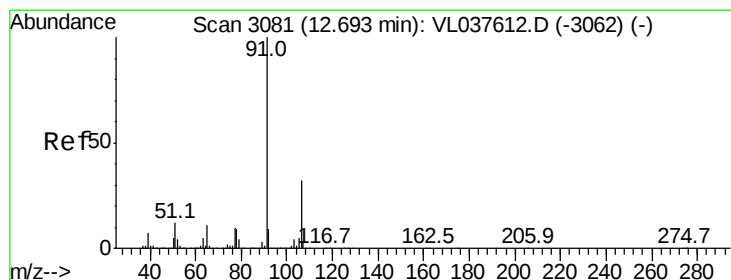
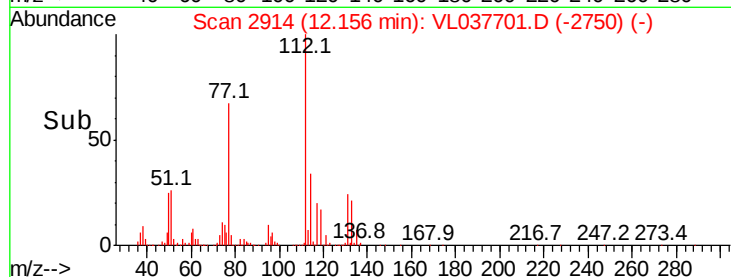
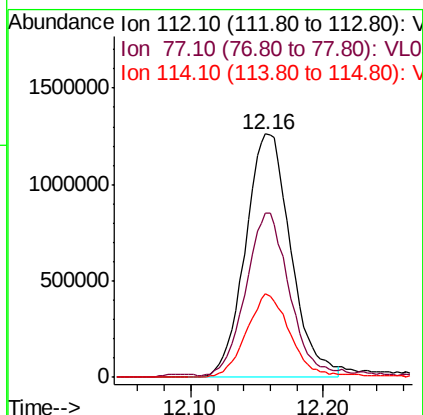
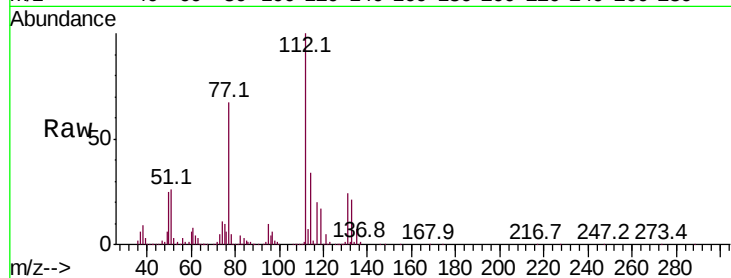
Ion	Ratio	Lower	Upper
131	100		
133	99.0	76.8	115.2
119	64.1	47.8	71.8





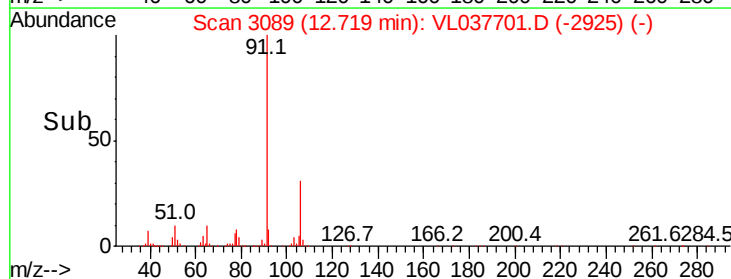
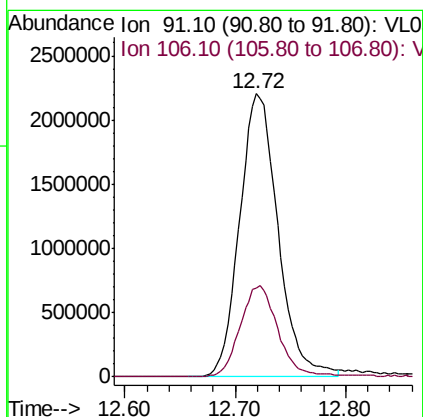
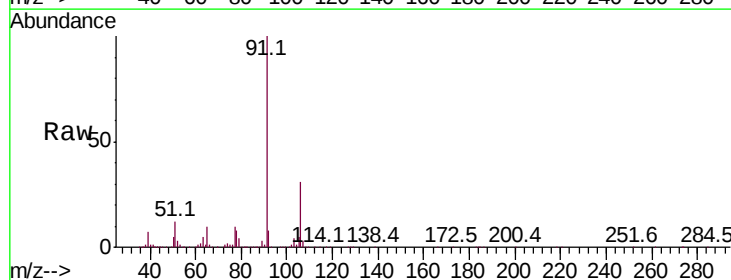
#57
Chlorobenzene
Concen: 7.325 ppbv
RT: 12.16 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 28 Sep 2021 13:00

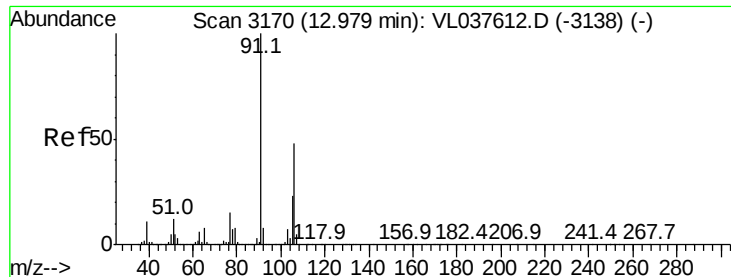
Tot Ion: 112 Resp: 3002759
Ion Ratio Lower Upper
112 100
77 66.3 52.1 78.1
114 34.3 29.2 35.6



#58
Ethyl Benzene
Concen: 8.136 ppbv
RT: 12.72 min Scan# 3089
Delta R.T.: 0.03 min
Lab File: VL037701.D
Acq: 28 Sep 2021 13:00

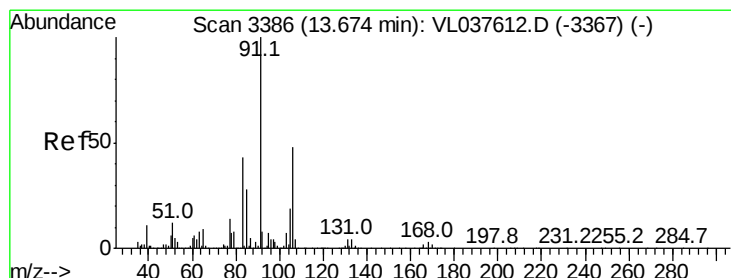
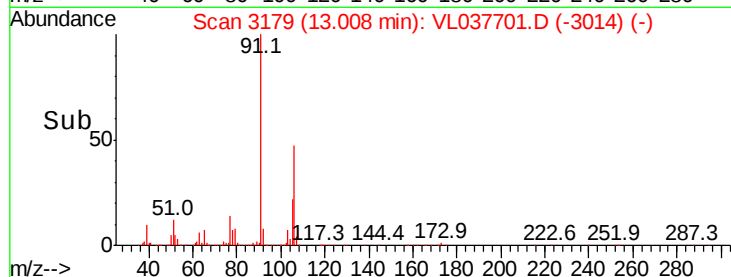
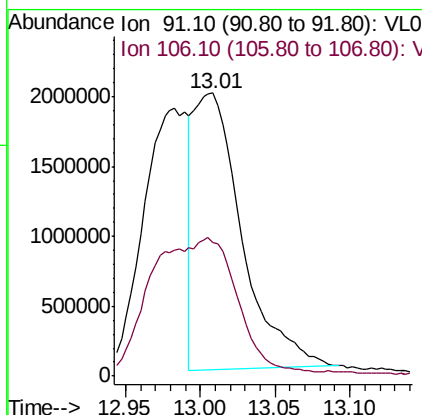
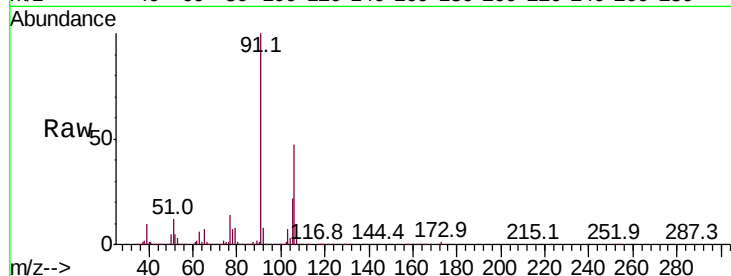
Tgt Ion: 91 Resp: 5325738
Ion Ratio Lower Upper
91 100
106 31.3 25.3 37.9





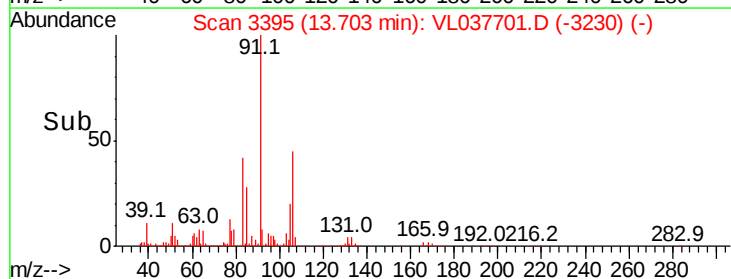
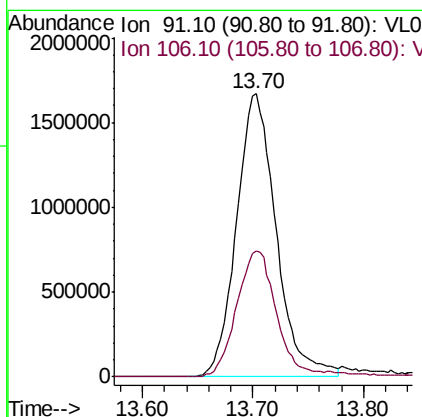
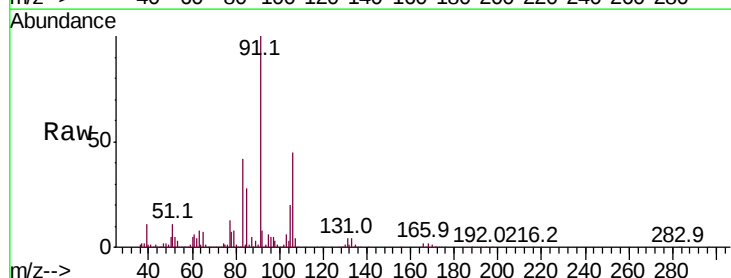
#59
m/p-Xylene
Concen: 7.796 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 28 Sep 2021 13:00

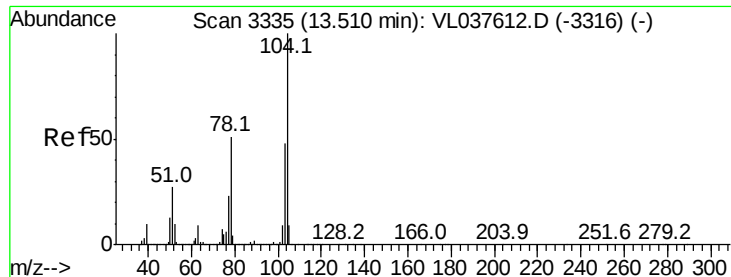
Tot Ion: 91 Resp: 4446980
Ion Ratio Lower Upper
91 100
106 93.2 36.6 55.0#



#60
o-Xylene
Concen: 7.638 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.03 min
Lab File: VL037701.D
Acq: 28 Sep 2021 13:00

Tgt Ion: 91 Resp: 4146961
Ion Ratio Lower Upper
91 100
106 46.8 23.0 69.0





#61

Stvrene

Concen: 8.666 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File:

Acq: 28 Sep 2021 13:00

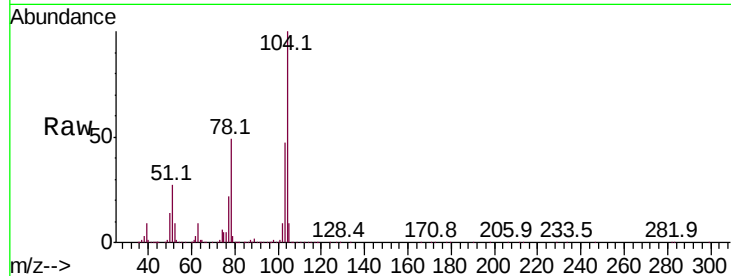
Tot Ion:104 Resp: 2319931

Ion Ratio Lower Upper

104 100

78 52.0 39.7 59.5

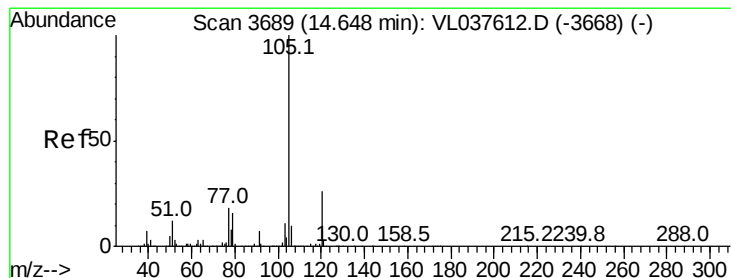
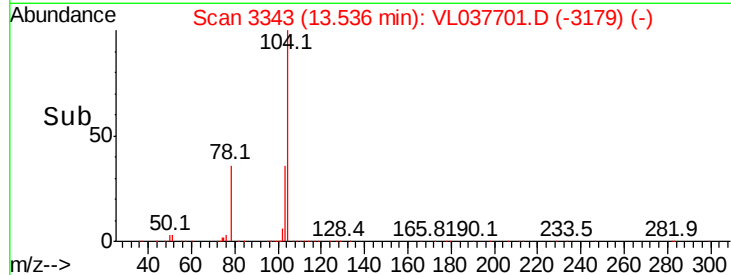
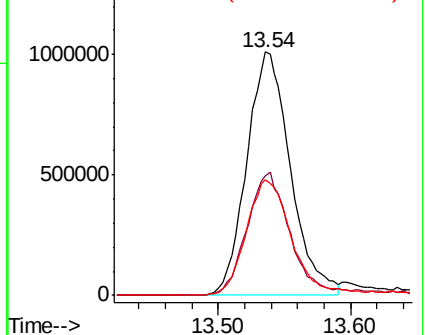
103 50.7 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.576 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.03 min

Lab File: VL037701.D

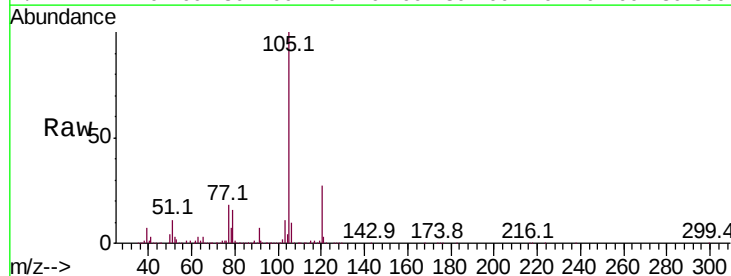
Acq: 28 Sep 2021 13:00

Tgt Ion:105 Resp: 5745907

Ion Ratio Lower Upper

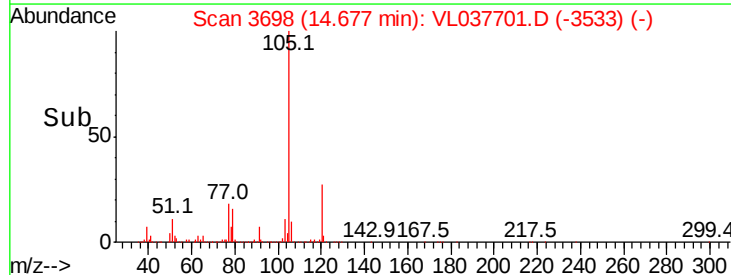
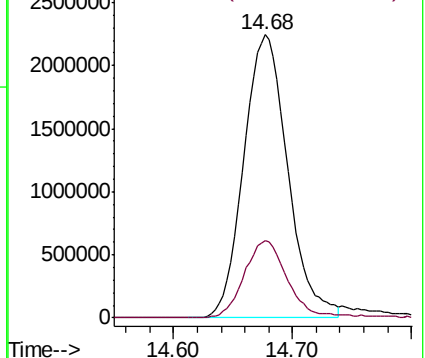
105 100

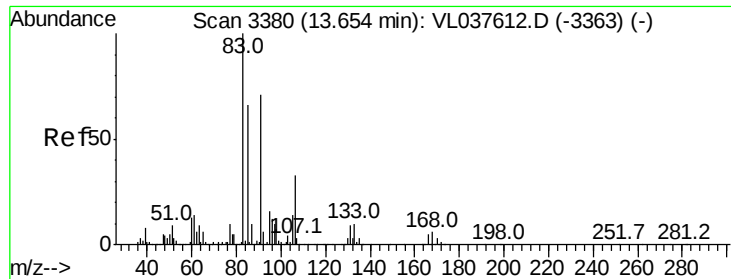
120 27.4 21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 7.133 ppbv

RT: 13.68

Delta R.T. MSVOA_1

Lab File: ClientSampleId :

Acq: 28 Sep 2021 13:00

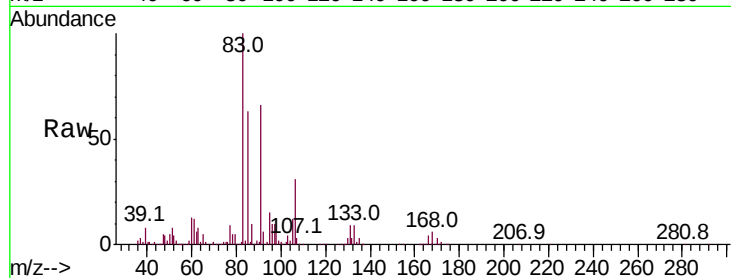
Tot Ion: 83 Resp: 3030897

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.1	15.3
85	65.8	33.3	99.9

83 100

131 9.8 5.1 15.3

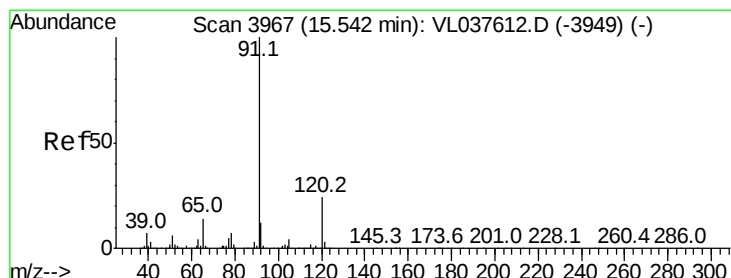
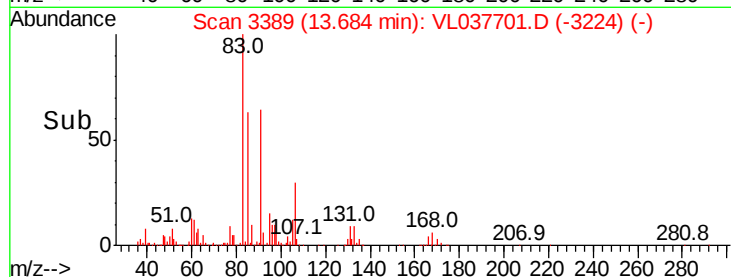
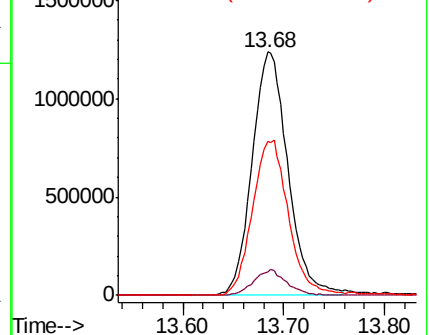
85 65.8 33.3 99.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.922 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.03 min

Lab File: VL037701.D

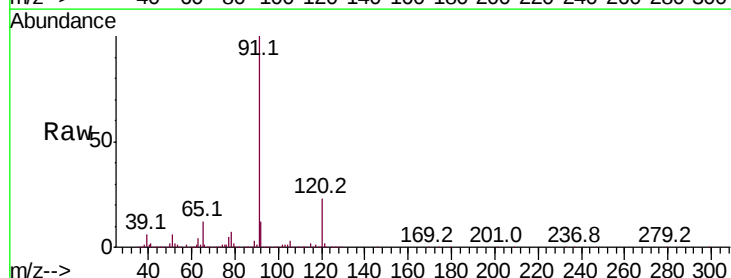
Acq: 28 Sep 2021 13:00

Tgt Ion:120 Resp: 1550421

Ion	Ratio	Lower	Upper
120	100		
91	465.5	345.0	517.4

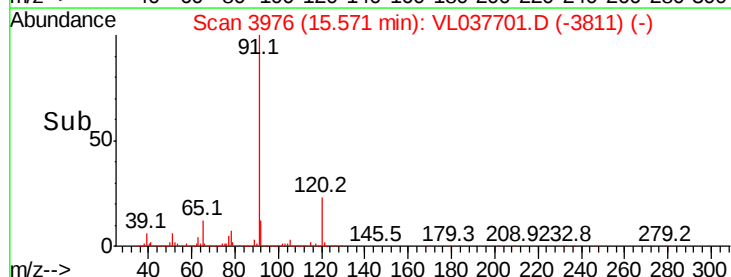
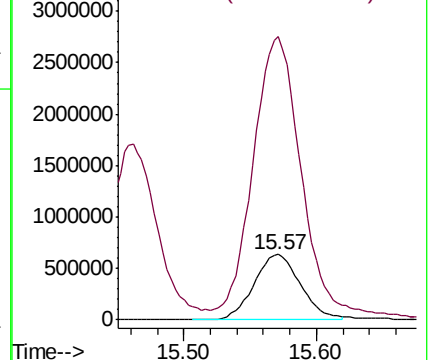
120 100

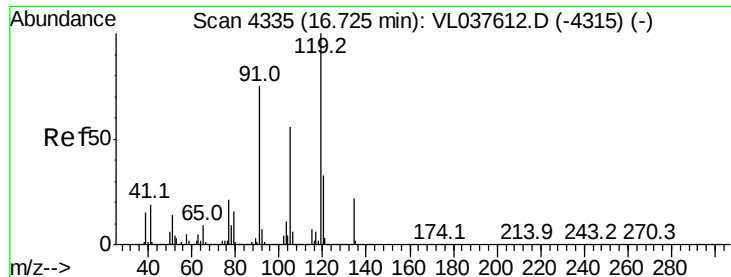
91 465.5 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): V

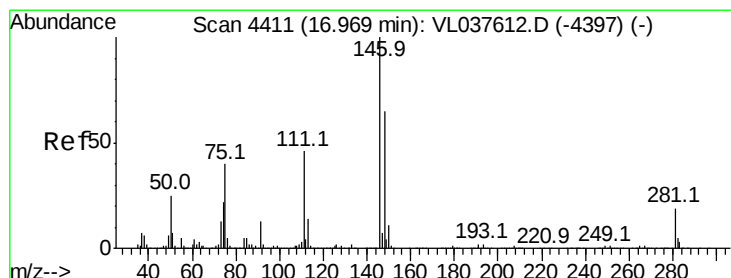
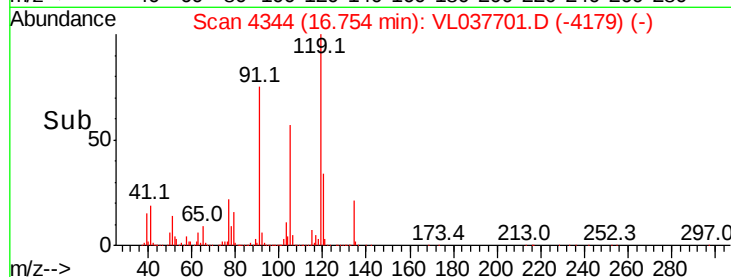
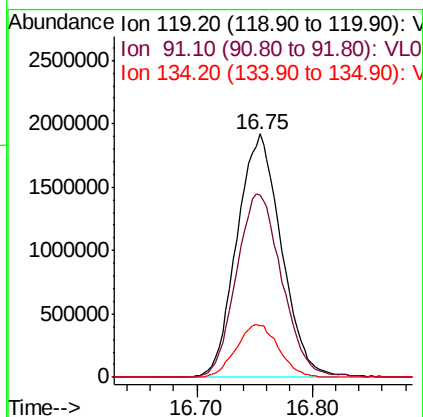
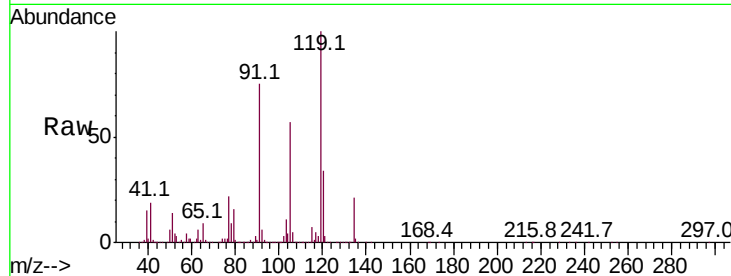
Ion 91.10 (90.80 to 91.80): VL0





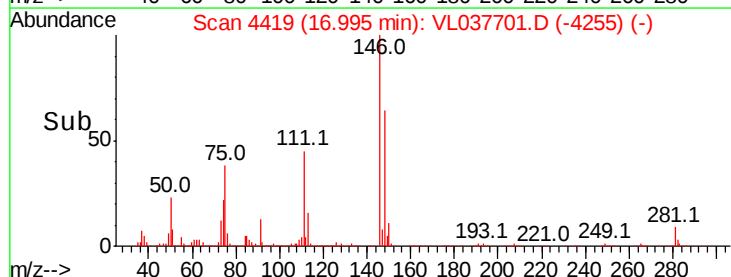
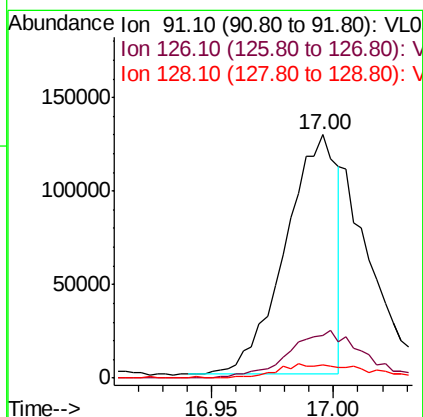
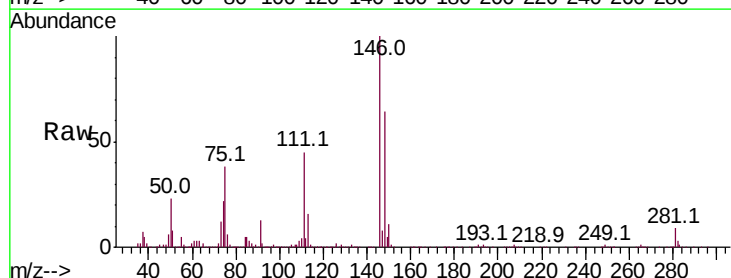
#65
 tert-Butylbenzene
 Concen: 7.450 ppbv
 RT: 16.75 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 13:00

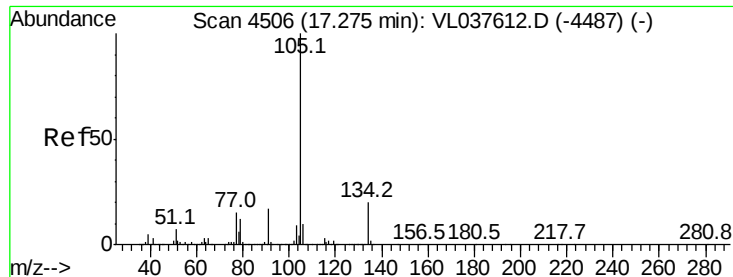
Tot Ion: 119 Resp: 5094833
 Ion Ratio Lower Upper
 119 100
 91 77.8 61.9 92.9
 134 21.0 16.5 24.7



#66
 Benzyl Chloride
 Concen: 5.034 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T.: 0.03 min
 Lab File: VL037701.D
 Acq: 28 Sep 2021 13:00

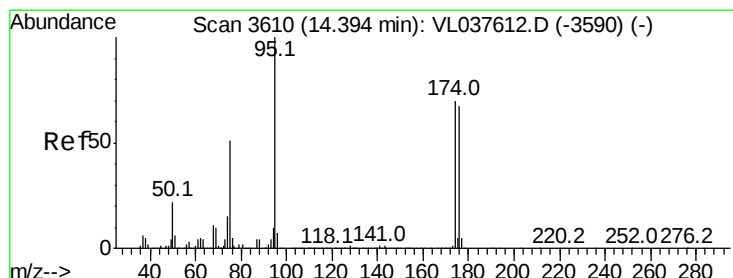
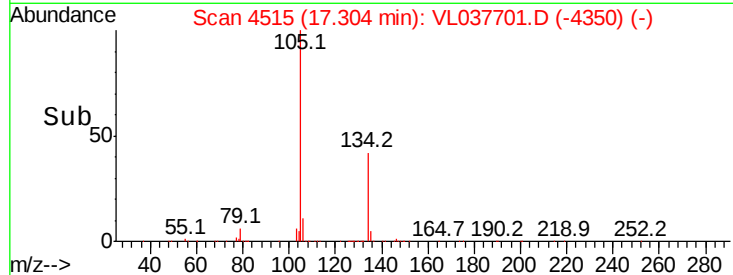
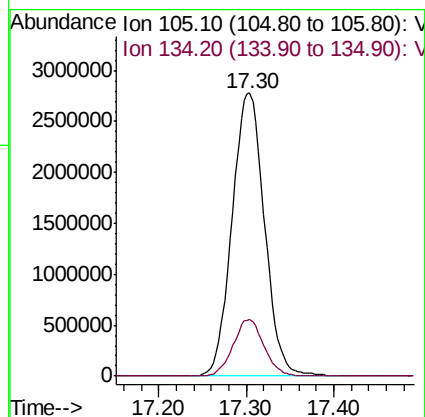
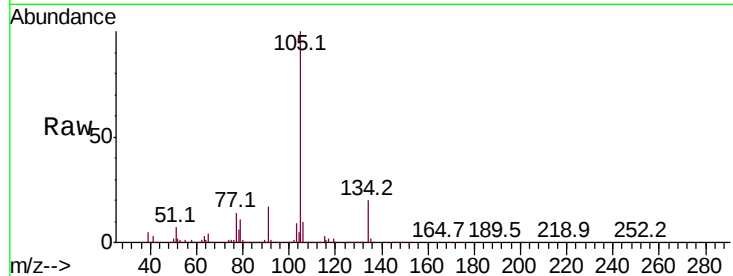
Tgt Ion: 91 Resp: 188123
 Ion Ratio Lower Upper
 91 100
 126 28.8 14.4 21.6#
 128 11.1 5.7 8.5#





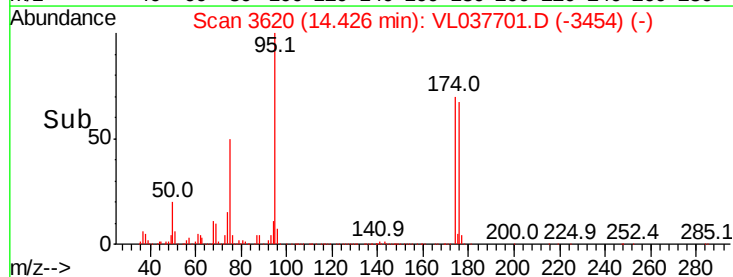
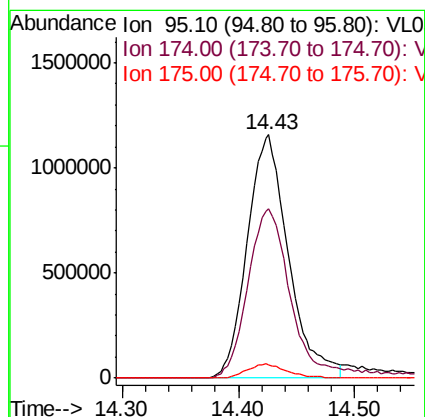
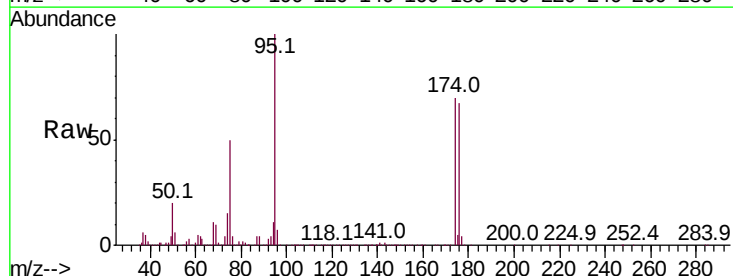
#67
 sec-Butylbenzene
 Concen: 7.681 ppbv
 RT: 17.30 min
 Delta R.T. MSVOA.L
 Lab File: ClientSampleId :
 Acq: 28 Sep 2021 13:00

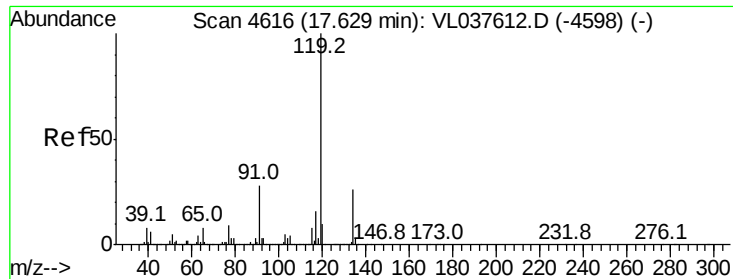
Tot Ion: 105 Resp: 7126201
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.039 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.03 min
 Lab File: VL037701.D
 Acq: 28 Sep 2021 13:00

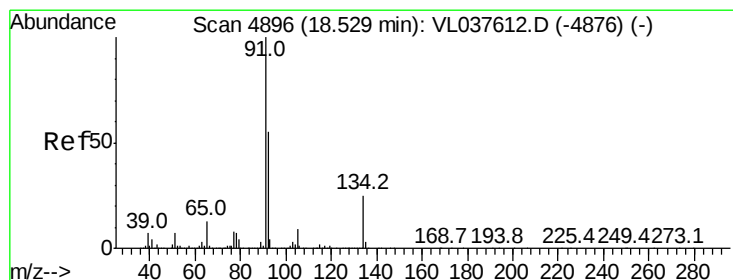
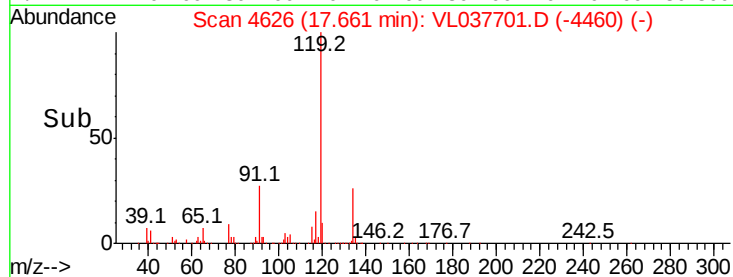
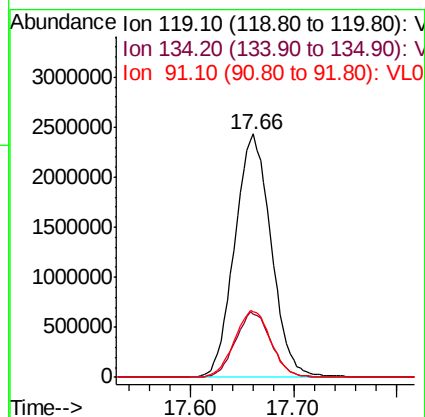
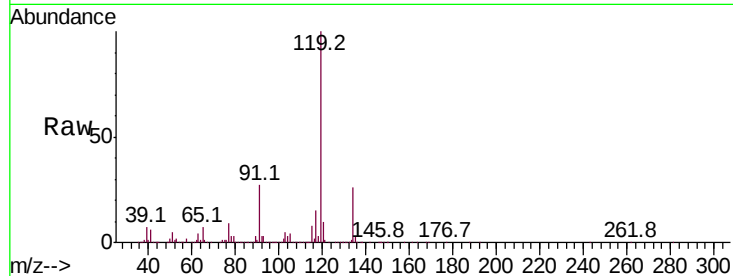
Tgt Ion: 95 Resp: 2864709
 Ion Ratio Lower Upper
 95 100
 174 75.4 56.3 84.5
 175 6.1 4.4 6.6





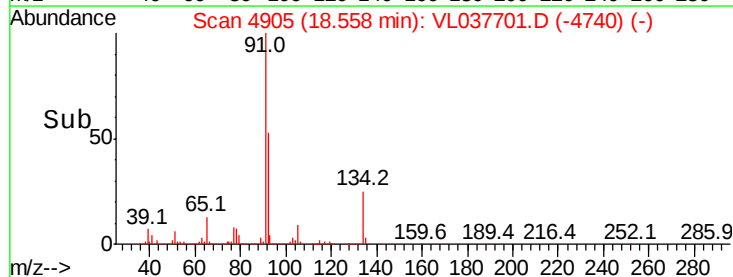
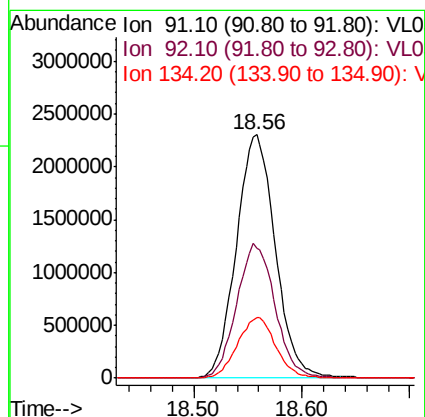
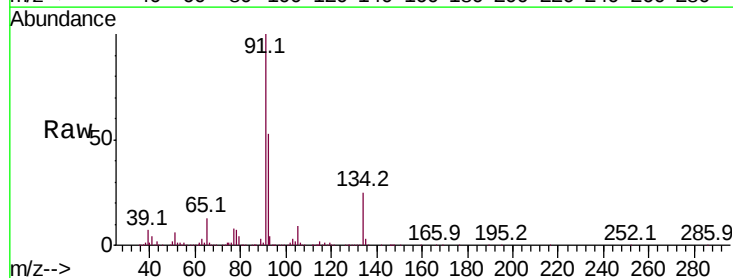
#69
 p-Isopropyltoluene
 Concen: 7.889 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Sep 2021 13:00

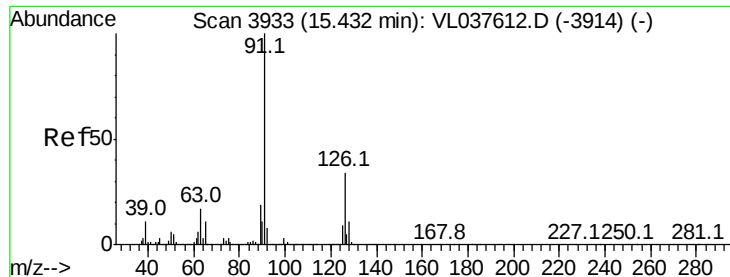
Tot Ion:	119	Resp:	5979470
Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	27.6	22.2	33.2



#70
 n-Butylbenzene
 Concen: 8.043 ppbv
 RT: 18.56 min Scan# 4905
 Delta R.T. 0.03 min
 Lab File: VL037701.D
 Acq: 28 Sep 2021 13:00

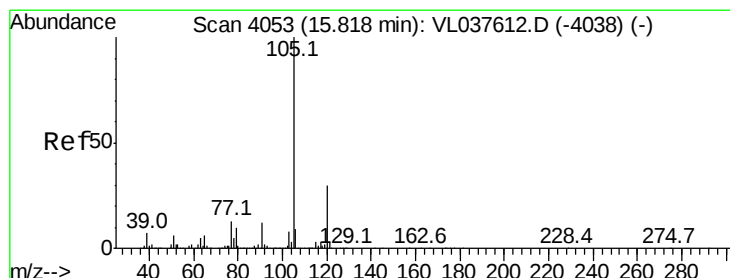
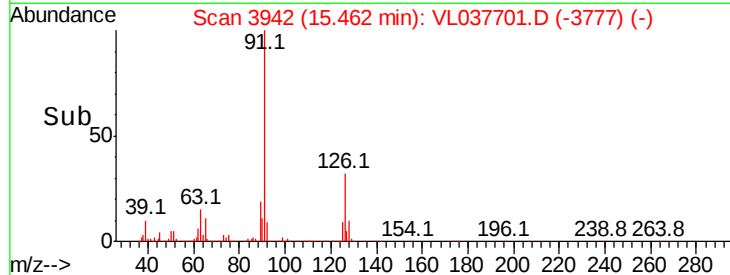
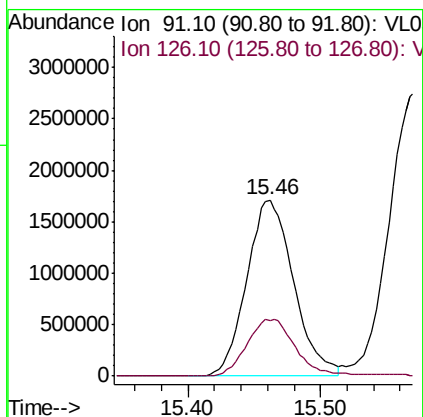
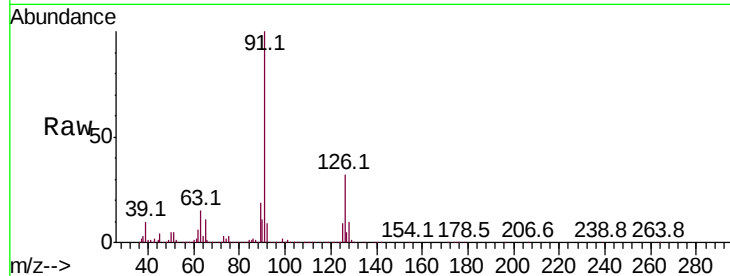
Tgt Ion:	91	Resp:	5768055
Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.0	66.0
134	24.8	19.5	29.3





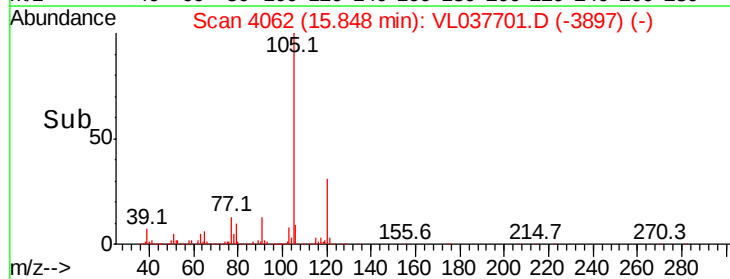
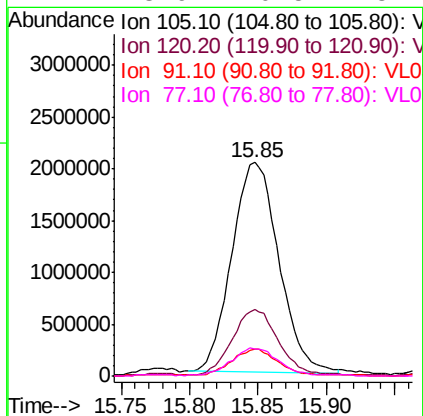
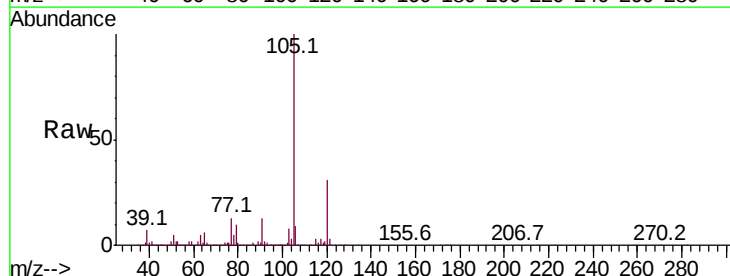
#71
 2-Chlorotoluene
 Concen: 7.748 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 28 Sep 2021 13:00

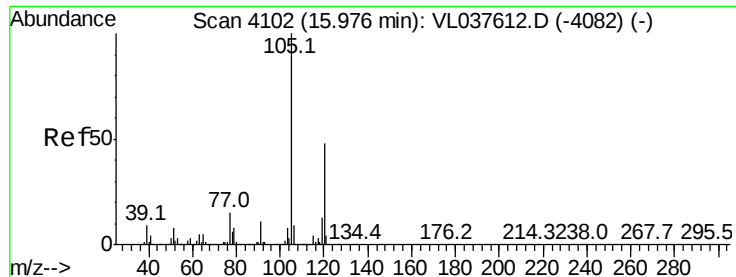
Tot Ion: 91 Resp: 4211000
 Ion Ratio Lower Upper
 91 100
 126 34.5 13.2 52.8



#72
 4-Ethyltoluene
 Concen: 7.781 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.03 min
 Lab File: VL037701.D
 Acq: 28 Sep 2021 13:00

Tgt Ion:105 Resp: 4849111
 Ion Ratio Lower Upper
 105 100
 120 32.0 24.7 37.1
 91 13.7 9.9 14.9
 77 13.9 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 7.800 ppbv

RT: 16.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

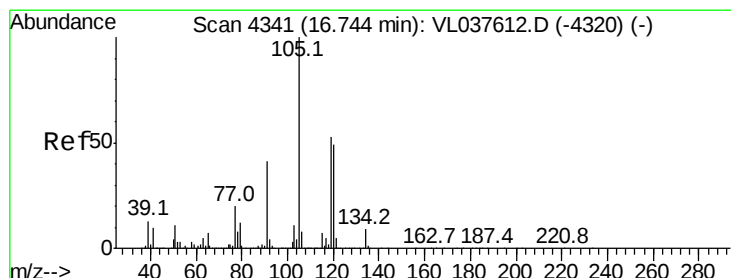
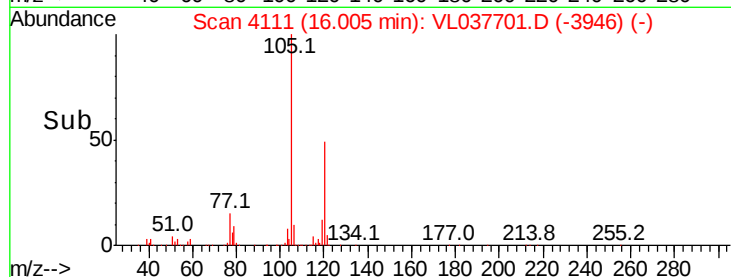
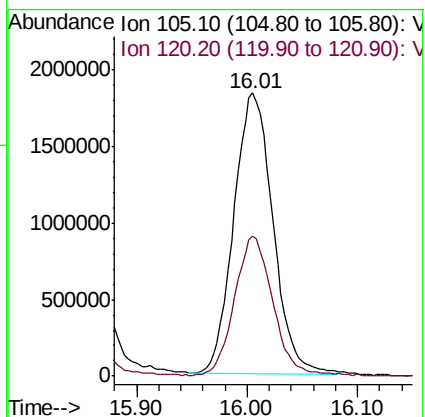
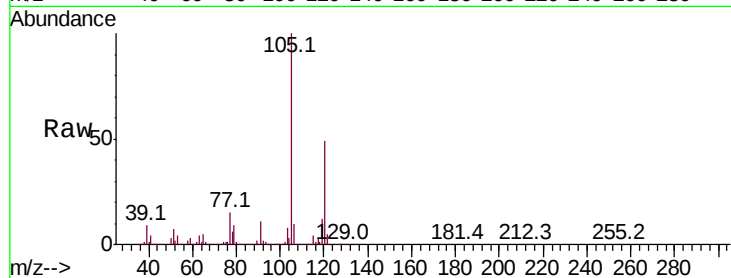
Acq: 28 Sep 2021 13:00

Tot Ion:105 Resp: 4531361

Ion Ratio Lower Upper

105 100

120 49.5 38.3 57.5



#74

1,2,4-Trimethylbenzene

Concen: 7.588 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.03 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

Tgt Ion:105 Resp: 4642656

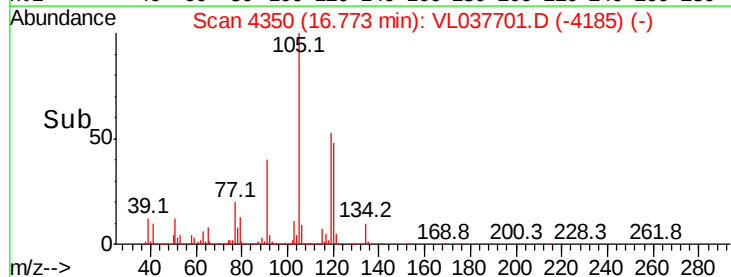
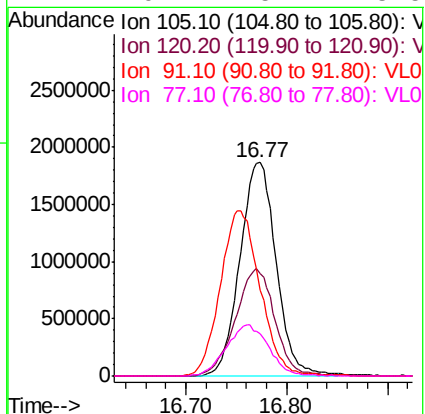
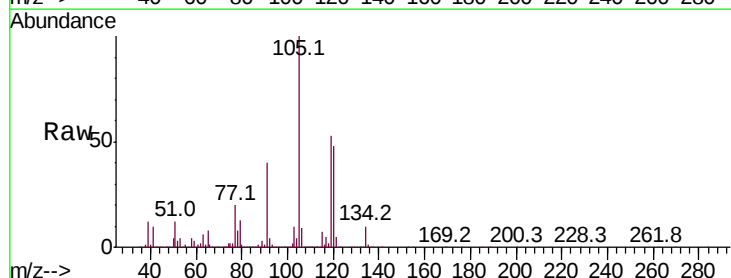
Ion Ratio Lower Upper

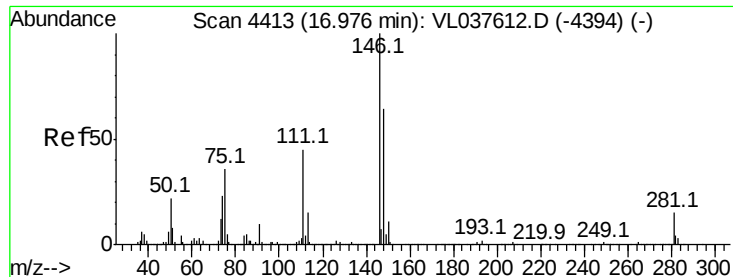
105 100

120 48.1 39.4 59.0

91 39.4 33.3 49.9

77 19.7 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 7.521 ppbv

RT: 17.01

Delta R.T. MSVOA_1

Lab File:

Acq: 28 Sep 2021 13:00

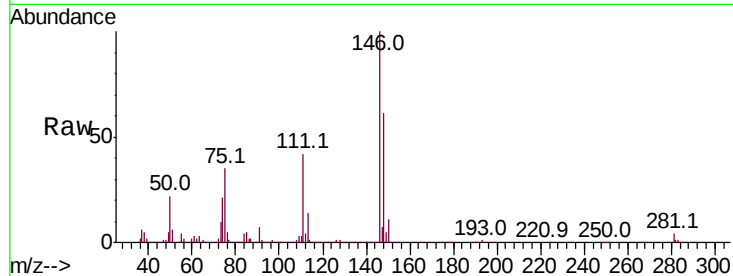
Tot Ion:146 Resp: 2859169

Ion Ratio Lower Upper

146 100

111 45.4 22.8 68.3

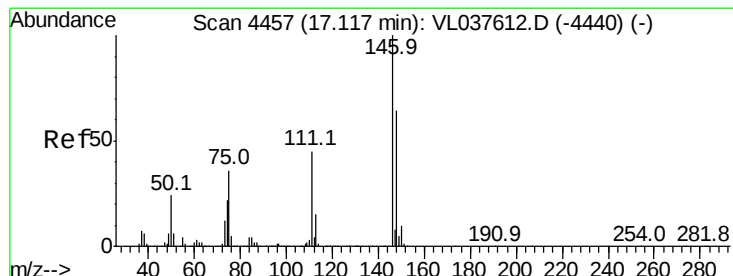
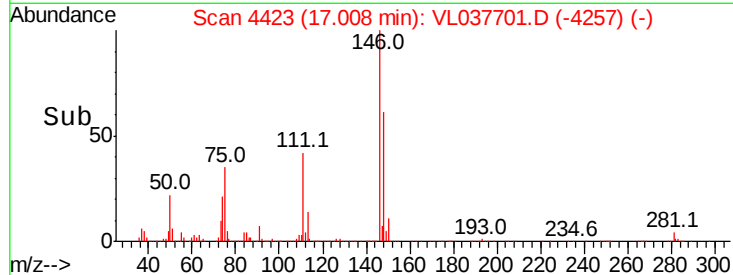
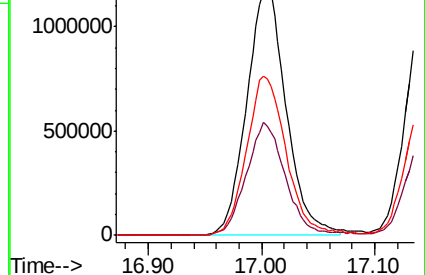
148 65.0 32.1 96.5



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: 7.506 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. 0.03 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

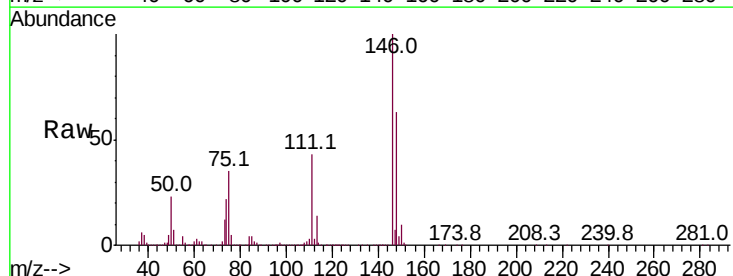
Tgt Ion:146 Resp: 2814346

Ion Ratio Lower Upper

146 100

111 44.6 22.5 67.5

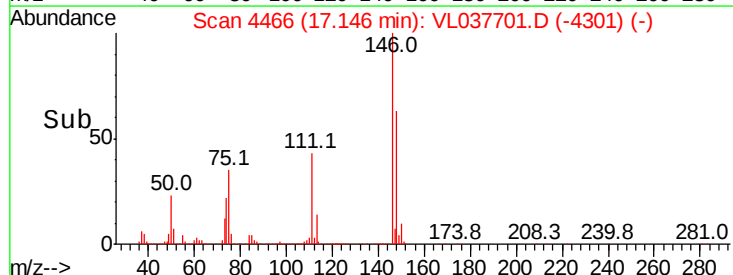
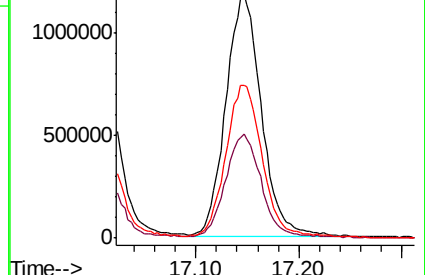
148 65.9 32.9 98.6

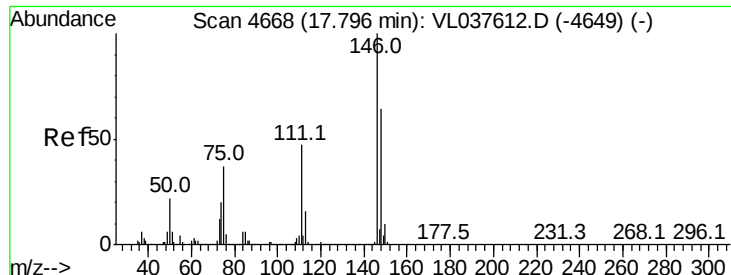


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

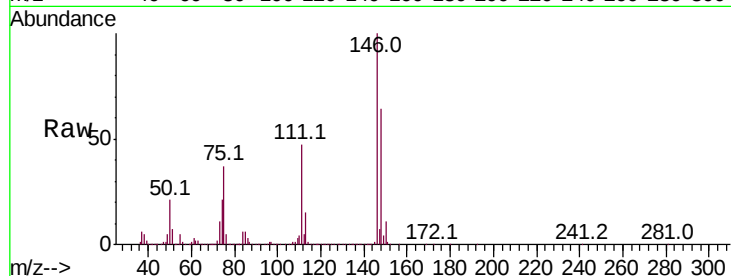
Ion 148.00 (147.70 to 148.70): V



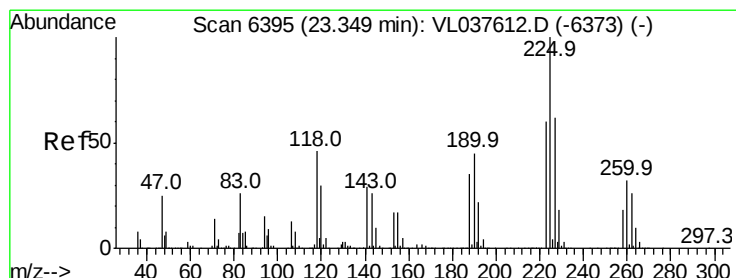
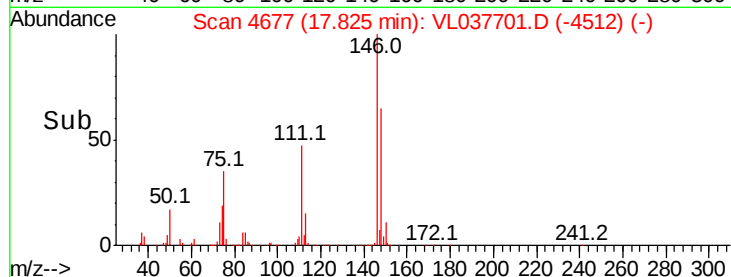
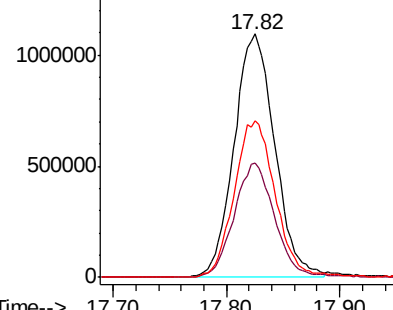


#77
 1,2-Dichlorobenzene
 Concen: 7.545 ppbv
 RT: 17.82 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 28 Sep 2021 13:00

Tot Ion:146 Resp: 2720503
 Ion Ratio Lower Upper
 146 100
 111 47.1 24.0 72.0
 148 65.0 32.8 98.3

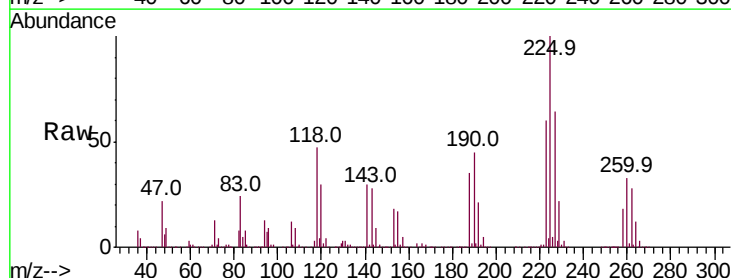


Abundance Ion 146.00 (145.70 to 146.70): V
 1500000 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

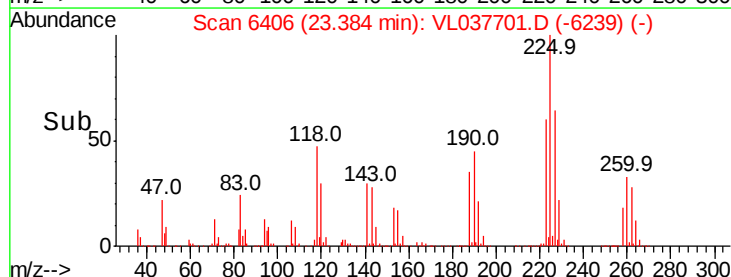
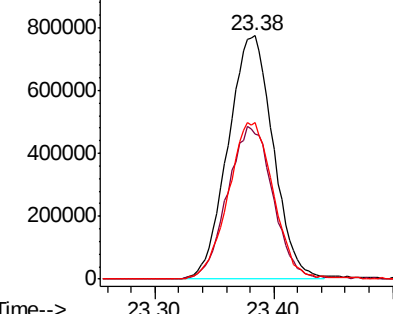


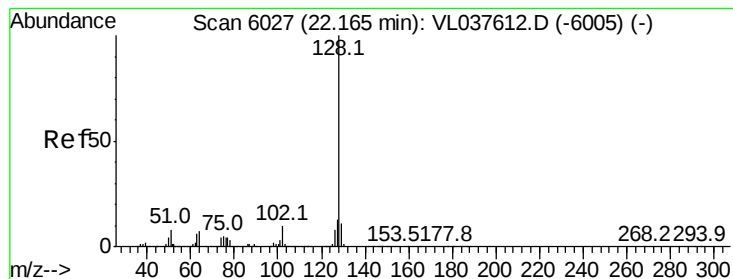
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.669 ppbv
 RT: 23.38 min Scan# 6406
 Delta R.T.: 0.04 min
 Lab File: VL037701.D
 Acq: 28 Sep 2021 13:00

Tgt Ion:225 Resp: 2023874
 Ion Ratio Lower Upper
 225 100
 223 63.5 51.1 76.7
 227 65.2 52.2 78.4



Abundance Ion 224.90 (224.60 to 225.60): V
 1000000 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.087 ppbv

RT: 22.20 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 13:00

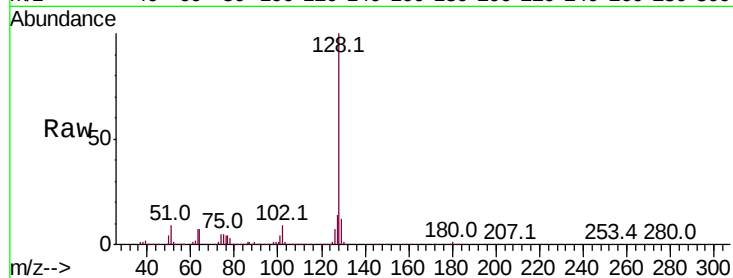
Tot Ion:128 Resp: 3413799

Ion Ratio Lower Upper

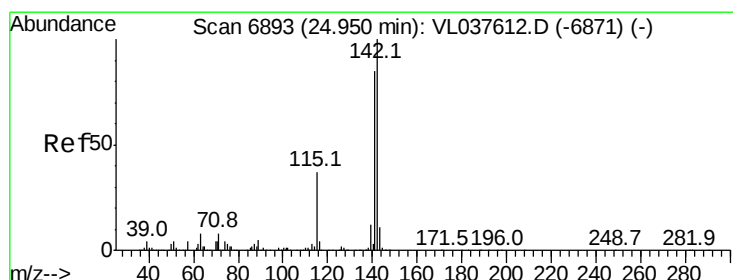
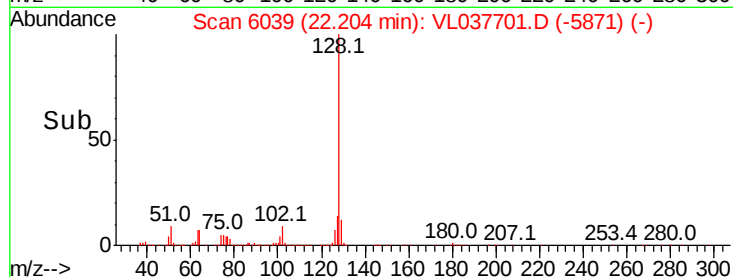
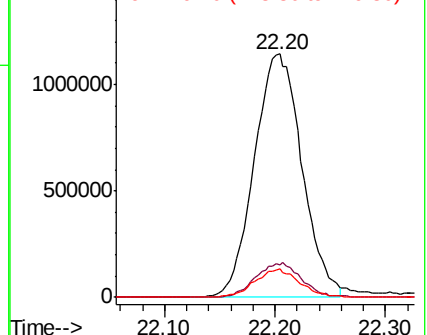
128 100

127 13.5 10.6 16.0

129 11.9 8.6 12.8



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: 11.525 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.03 min

Lab File: VL037701.D

Acq: 28 Sep 2021 13:00

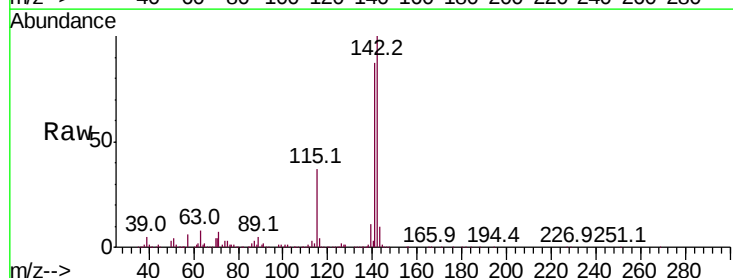
Tgt Ion:142 Resp: 989696

Ion Ratio Lower Upper

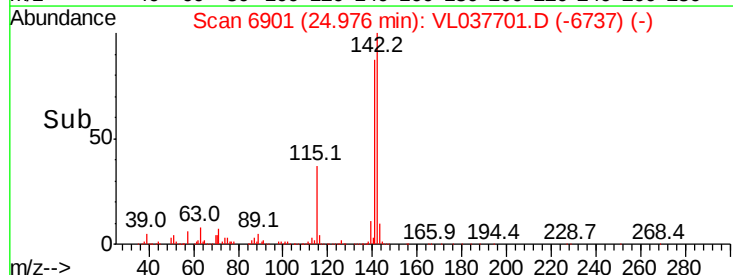
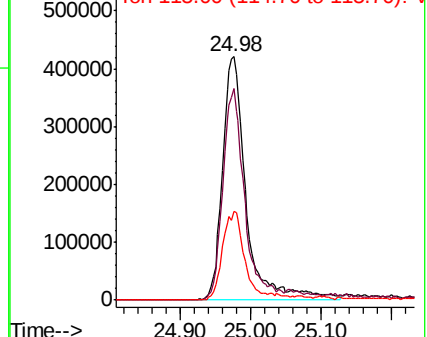
142 100

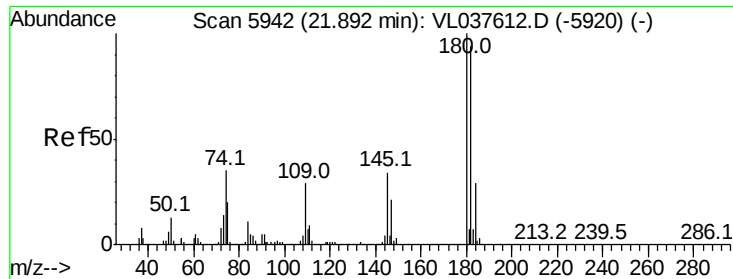
141 84.4 70.9 106.3

115 36.1 29.6 44.4



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: 8.537 ppbv

RT: 21.93

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 28 Sep 2021 15:00

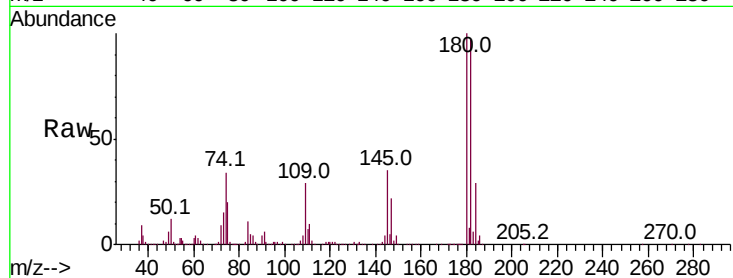
Tot Ion:180 Resp: 2059108

Ion Ratio Lower Upper

180 100

182 98.8 78.9 118.3

184 31.5 24.7 37.1



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

