

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041321\
 Data File : VL036798.D
 Acq On : 13 Apr 2021 11:33
 Operator : SY/AP
 Sample : VL0413ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 14 04:38:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1405228	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3623311	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3714239	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2007737	6.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	67.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2024652	8.834	ppbv 98
3) Chlorodifluoromethane	2.99	51	2376313	9.051	ppbv 100
4) Chloromethane	3.14	50	778865	8.399	ppbv 99
5) Vinyl Chloride	3.25	62	791295	8.298	ppbv 99
6) Bromomethane	3.47	94	425586	8.107	ppbv 98
7) Chloroethane	3.55	64	272466	8.316	ppbv 95
8) Dichlorotetrafluoroethane	3.19	85	1876045	8.576	ppbv 98
9) Propene	3.01	41	725280	8.665	ppbv 97
10) Heptane	8.12	43	1887363	8.851	ppbv 99
11) Trichlorofluoromethane	3.95	101	1999700	8.561	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1312329	8.788	ppbv 99
13) Ethanol	3.61	45	38823	3.895	ppbv # 46
14) Bromoethene	3.74	108	540278	8.702	ppbv 99
15) Acetone	3.85	43	1010967	7.310	ppbv 100
16) 1,3-Butadiene	3.32	39	848140	8.808	ppbv 98
17) tert-Butyl alcohol	4.29	59	1243385	10.327	ppbv 100
18) 1,1-Dichloroethene	4.29	96	576268	8.675	ppbv 94
19) Isopropyl Alcohol	3.97	45	692641	9.104	ppbv # 97
20) Methylene Chloride	4.34	84	488214	7.539	ppbv 95
21) Allyl Chloride	4.41	41	907108	8.228	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	546448	8.873	ppbv 95
23) Vinyl Acetate	5.07	43	2037916	8.614	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1503111	8.717	ppbv 99
25) Ethyl Acetate	5.68	43	2741264	8.337	ppbv 100
26) Hexane	5.68	57	1325492	8.687	ppbv 99
27) Carbon Disulfide	4.55	76	1418011	9.433	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1558334	8.660	ppbv 98
29) Chloroform	5.75	83	2137344	8.758	ppbv 96
30) Cyclohexane	7.13	84	1139427	9.207	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1315036	8.910	ppbv 93
32) 1,1,1-Trichloroethane	6.51	97	2152525	8.752	ppbv 99
34) 2-Butanone	5.24	43	1325557	7.495	ppbv 98
35) Carbon Tetrachloride	7.02	117	2275824	8.178	ppbv 96
36) Benzene	6.89	78	2825665	8.456	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1608998	8.181	ppbv 100
38) Trichloroethene	7.83	130	1008113	7.752	ppbv 98
39) 1,2-Dichloropropane	7.61	63	1107285	8.169	ppbv 96
40) 1,4-Dioxane	7.83	88	264924	8.397	ppbv 93
41) Tetrahydrofuran	6.05	42	607596	7.451	ppbv 96
42) Bromodichloromethane	7.79	83	2309383	8.632	ppbv 97
43) Methyl Methacrylate	8.01	69	1057533	9.424	ppbv 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4779067	8.126	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	892413	6.965	ppbv	95
46) cis-1,3-Dichloropropene	8.70	75	1182039	7.217	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1145989	8.347	ppbv	97
48) Dibromochloromethane	10.30	129	1919500	9.171	ppbv	99
49) Bromoform	13.04	173	1560585	9.254	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	1988488	7.770	ppbv	99
51) 2-Hexanone	10.14	43	1022713	7.919	ppbv #	98
52) Tetrachloroethene	11.22	164	962754	7.824	ppbv	98
53) Toluene	9.81	91	3174937	8.922	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1646332	8.491	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1332004	7.929	ppbv #	62
57) Chlorobenzene	12.15	112	2355208	7.452	ppbv	99
58) Ethyl Benzene	12.71	91	4279741	7.920	ppbv	99
59) m/p-Xylene	13.00	91	3110258	6.599	ppbv #	9
60) o-Xylene	13.69	91	3376182	7.408	ppbv	100
61) Styrene	13.53	104	1834355	8.001	ppbv	99
62) Isopropylbenzene	14.67	105	4734637	7.715	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2523620	7.259	ppbv	99
64) n-propylbenzene	15.56	120	1233647	8.222	ppbv	98
65) tert-Butylbenzene	16.74	119	4137452	7.775	ppbv	100
66) Benzyl Chloride	16.99	91	282609	4.805	ppbv #	98
67) sec-Butylbenzene	17.29	105	5812250	7.737	ppbv	100
69) p-Isopropyltoluene	17.65	119	4775230	8.141	ppbv	99
70) n-Butylbenzene	18.55	91	4858690	7.988	ppbv	99
71) 2-Chlorotoluene	15.45	91	3639833	7.915	ppbv	100
72) 4-Ethyltoluene	15.84	105	4091679	8.194	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3598180	7.720	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	3749752	7.518	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2202872	7.847	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2119933	7.605	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2134124	8.087	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1640245	6.940	ppbv	99
79) Naphthalene	22.20	128	2470509	8.489	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	410912	7.160	ppbv	94
81) 1,2,4-Trichlorobenzene	21.93	180	1488761	8.285	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 11:33

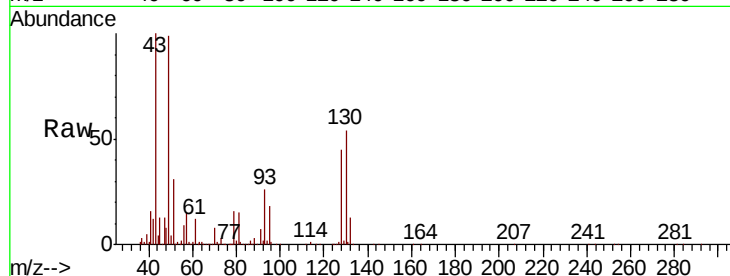
Tot Ion: 49 Resp: 1405228

Ion Ratio Lower Upper

49 100

128 50.2 23.5 70.6

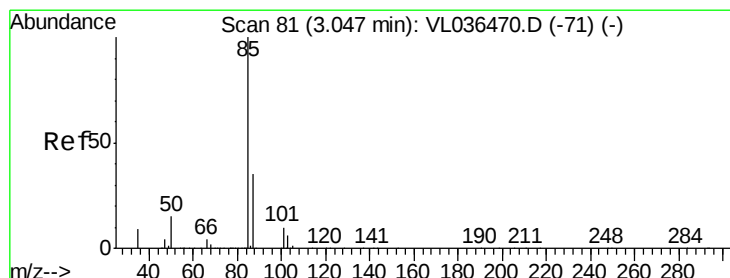
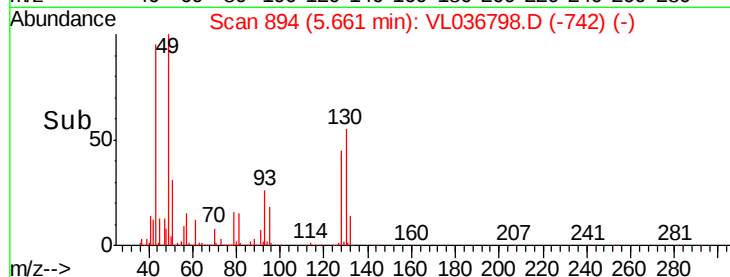
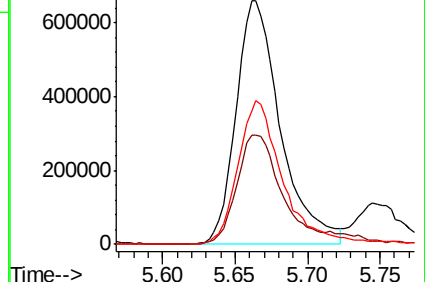
130 60.5 29.1 87.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.834 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL036798.D

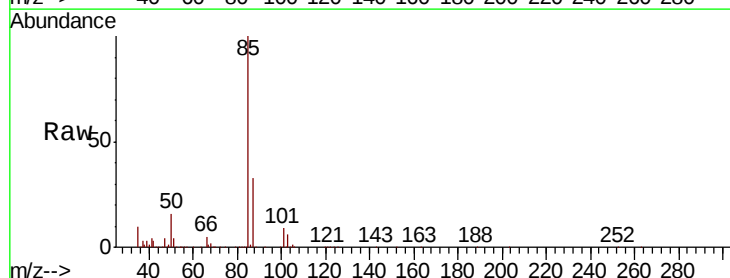
Acq: 13 Apr 2021 11:33

Tgt Ion: 85 Resp: 2024652

Ion Ratio Lower Upper

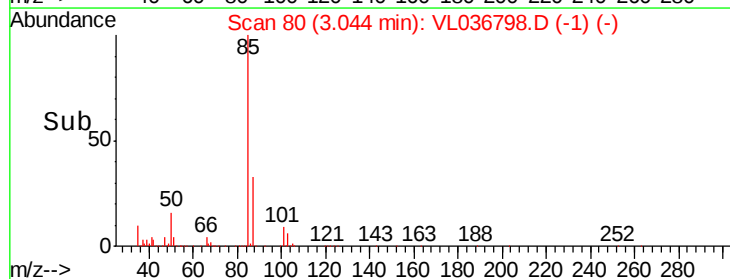
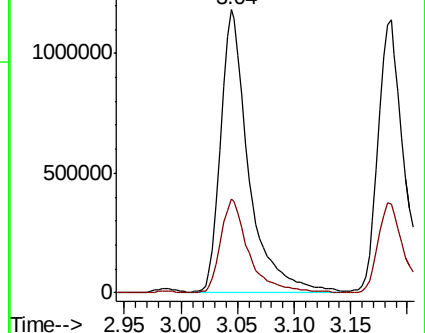
85 100

87 33.4 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.051 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

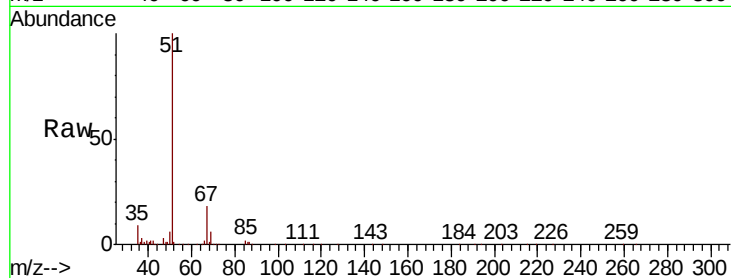
Acq: 13 Apr 2021 11:33

Tot Ion: 51 Resp: 2376313

Ion Ratio Lower Upper

51 100

67 18.4 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1500000

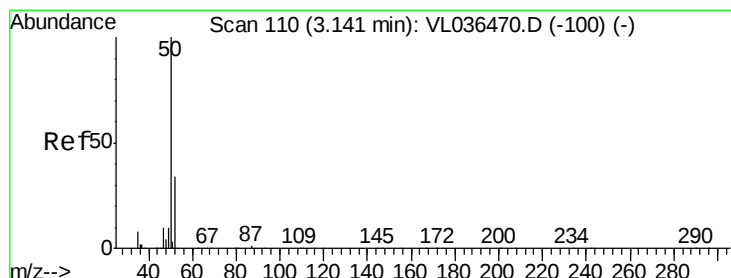
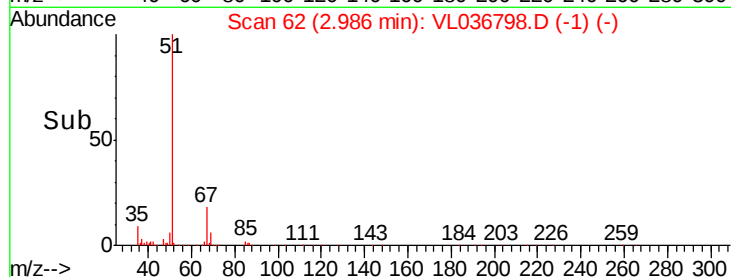
2.99

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 8.399 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL036798.D

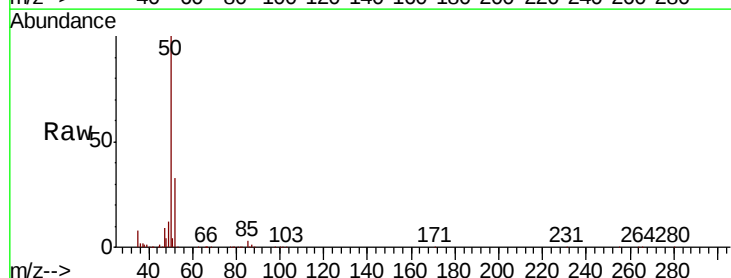
Acq: 13 Apr 2021 11:33

Tgt Ion: 50 Resp: 778865

Ion Ratio Lower Upper

50 100

52 33.2 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

500000

400000

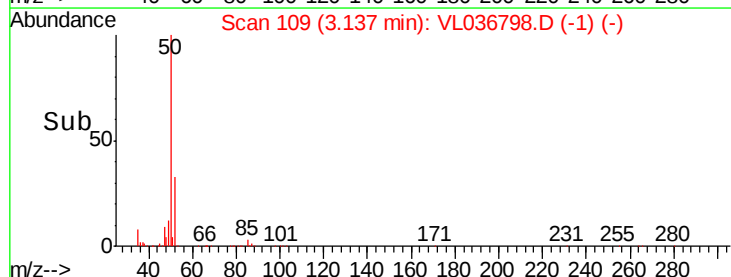
300000

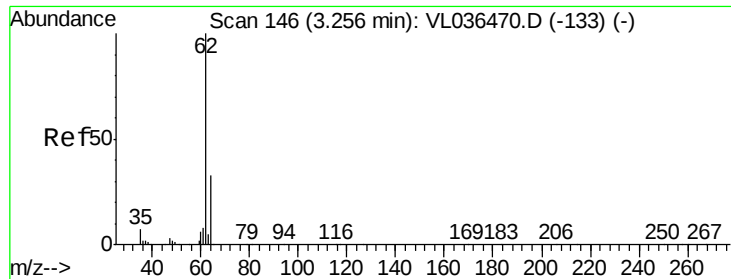
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.298 ppbv

RT: 3.25 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

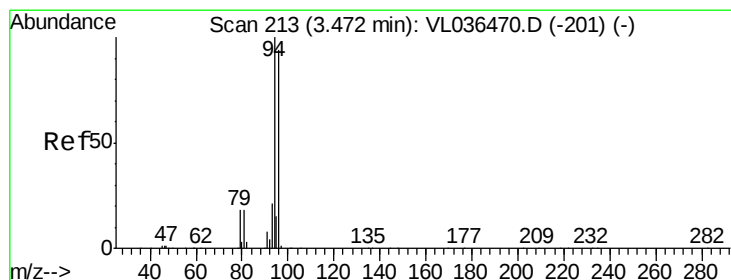
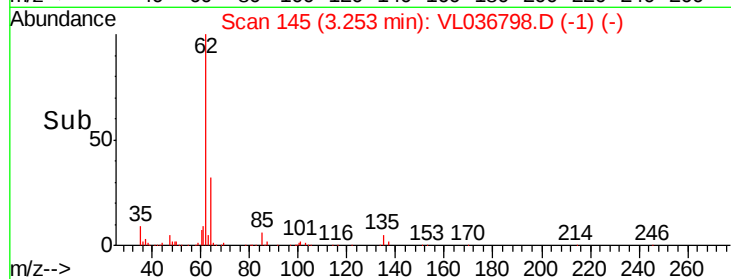
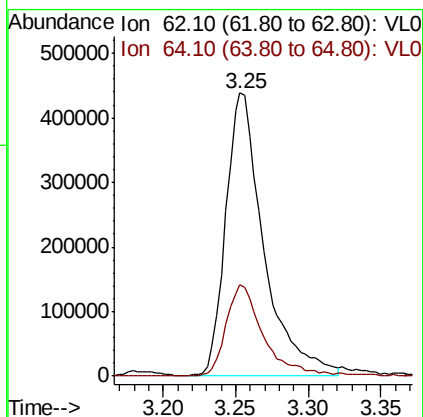
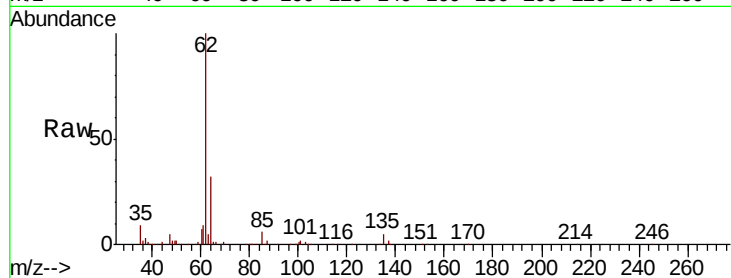
Acq: 13 Apr 2021 11:33

Tot Ion: 62 Resp: 791295

Ion Ratio Lower Upper

62 100

64 32.5 26.4 39.6



#6

Bromomethane

Concen: 8.107 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL036798.D

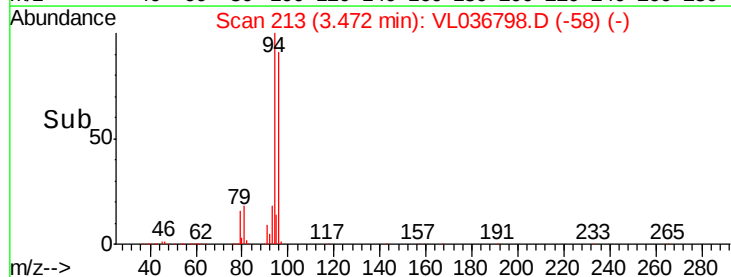
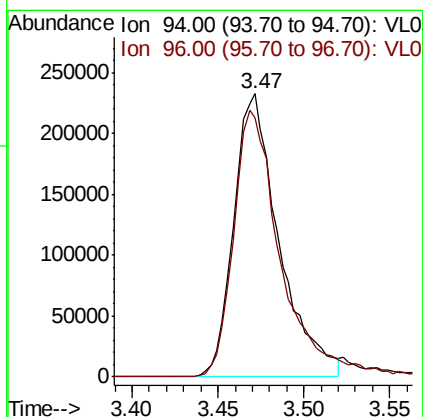
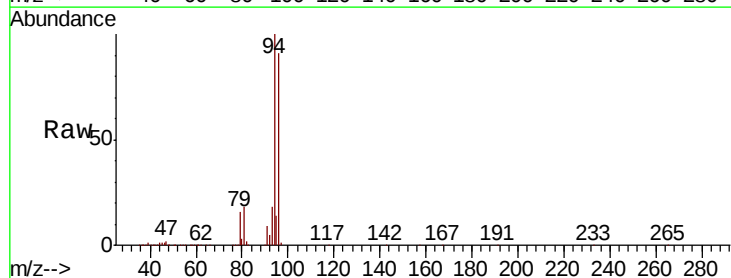
Acq: 13 Apr 2021 11:33

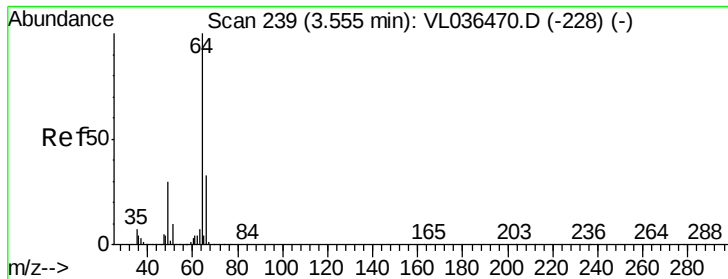
Tgt Ion: 94 Resp: 425586

Ion Ratio Lower Upper

94 100

96 91.4 74.9 112.3





#7

Chloroethane

Concen: 8.316 ppbv

RT: 3.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

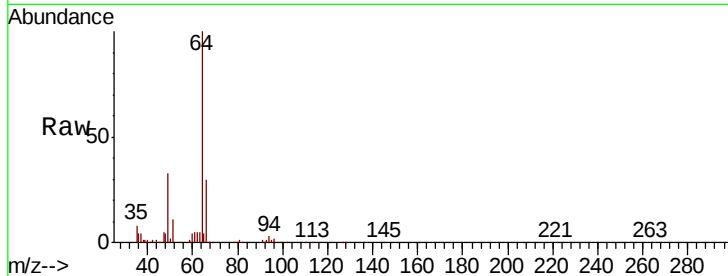
Acq: 13 Apr 2021 11:33

Tot Ion: 64 Resp: 272466

Ion Ratio Lower Upper

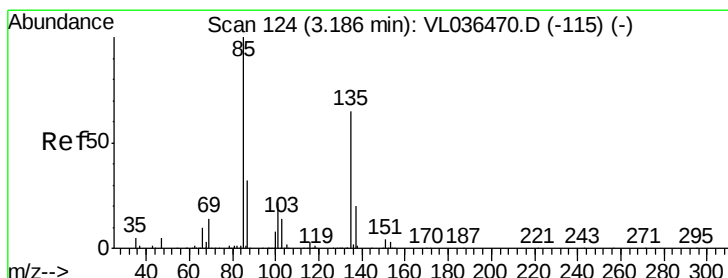
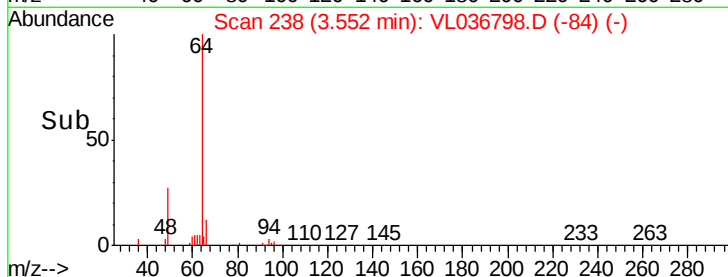
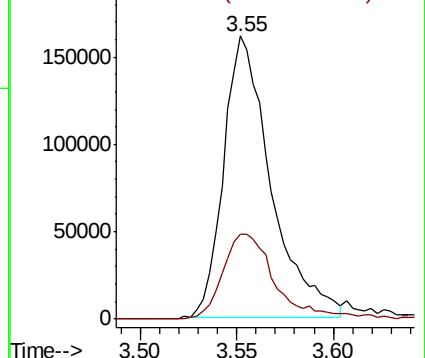
64 100

66 30.0 26.2 39.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.576 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL036798.D

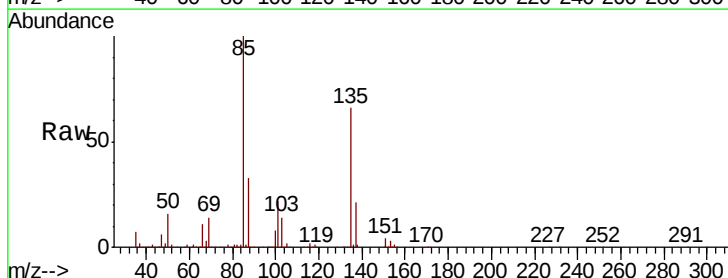
Acq: 13 Apr 2021 11:33

Tgt Ion: 85 Resp: 1876045

Ion Ratio Lower Upper

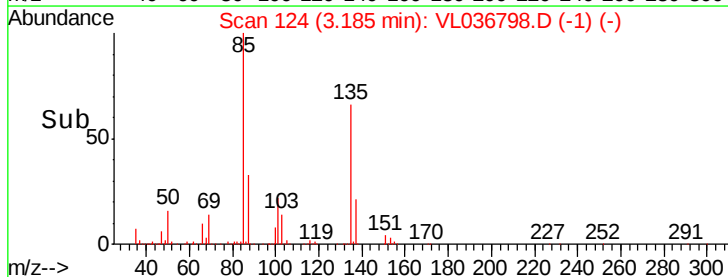
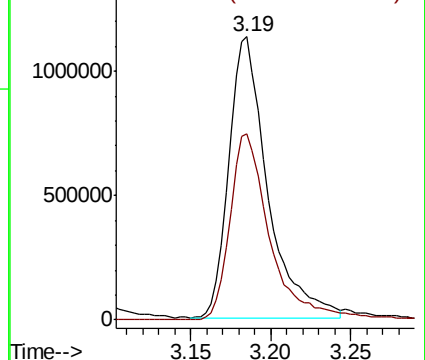
85 100

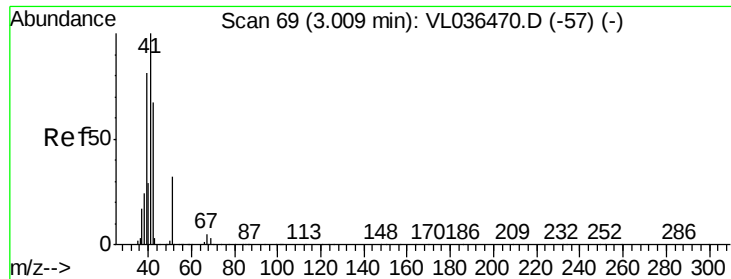
135 69.4 54.3 81.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.665 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

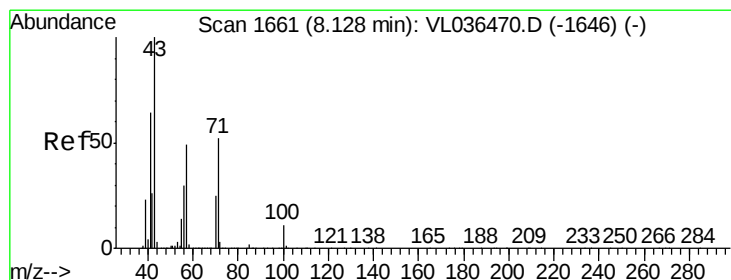
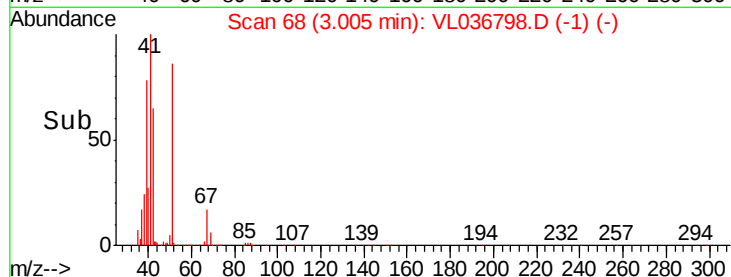
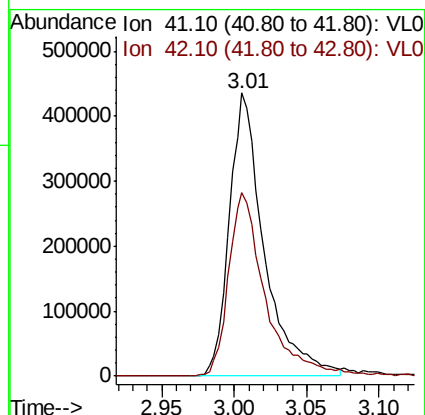
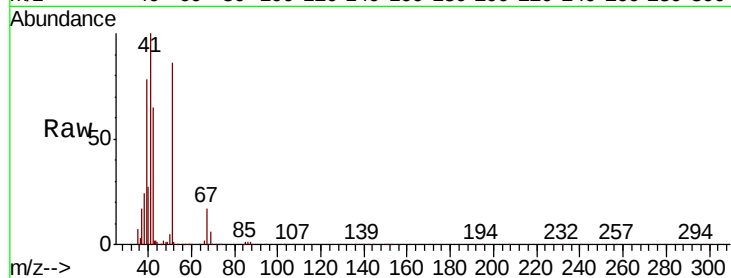
Acq: 13 Apr 2021 11:33

Tot Ion: 41 Resp: 725280

Ion Ratio Lower Upper

41 100

42 68.9 57.0 85.4



#10

Heptane

Concen: 8.851 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VL036798.D

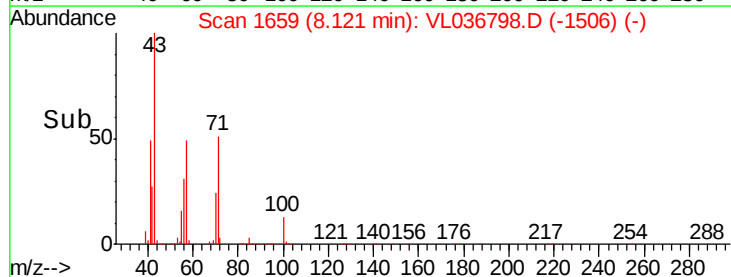
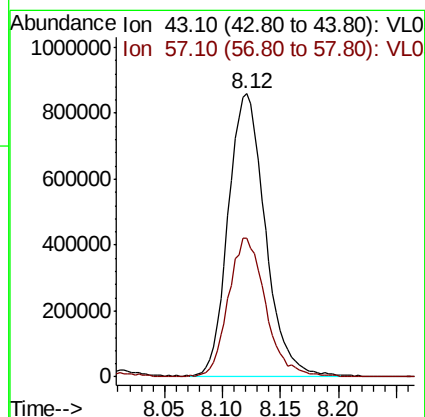
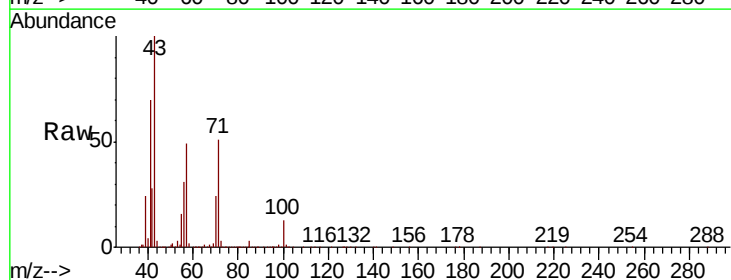
Acq: 13 Apr 2021 11:33

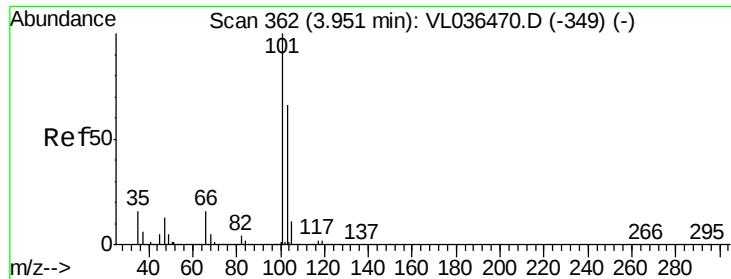
Tgt Ion: 43 Resp: 1887363

Ion Ratio Lower Upper

43 100

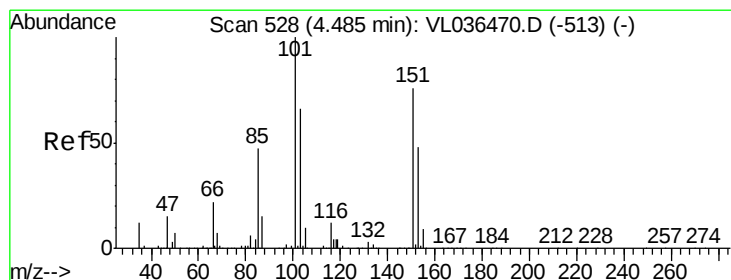
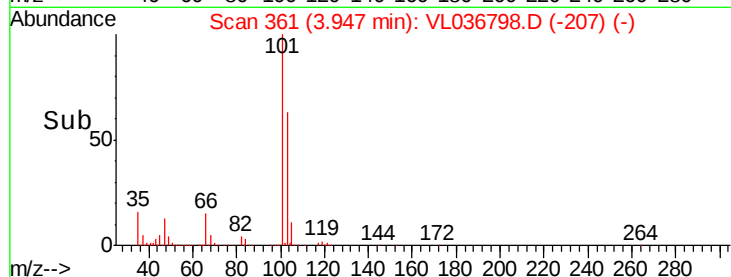
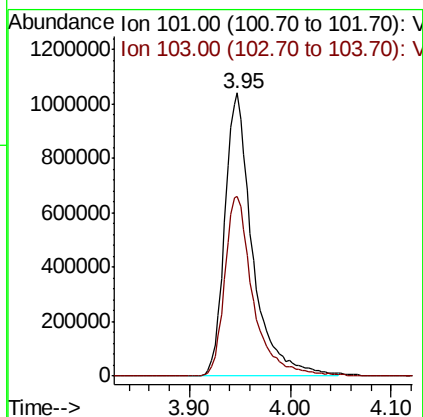
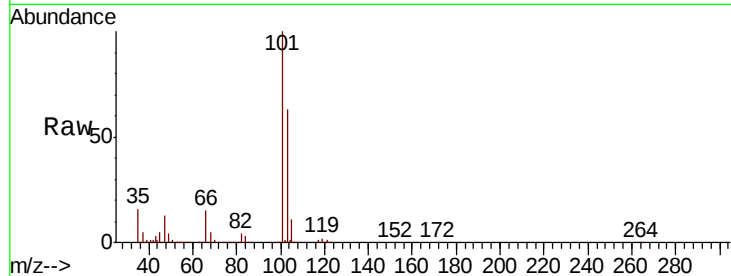
57 49.8 39.0 58.6





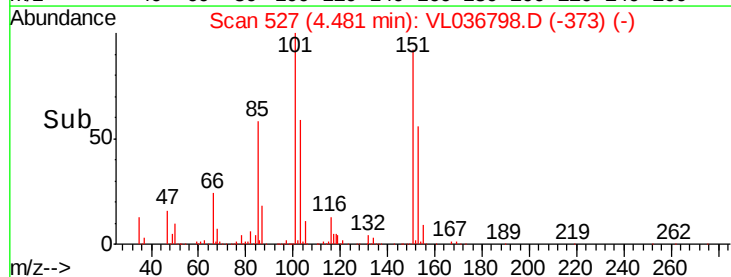
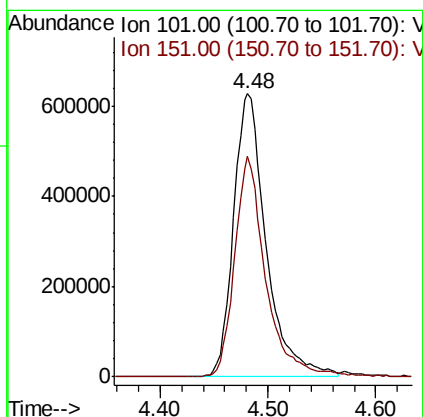
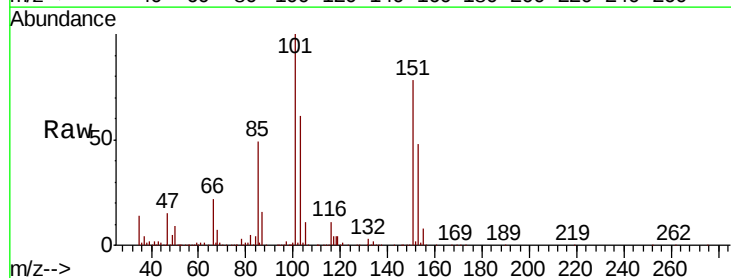
#11
 Trichlorofluoromethane
 Concen: 8.561 ppbv
 RT: 3.95 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 11:33

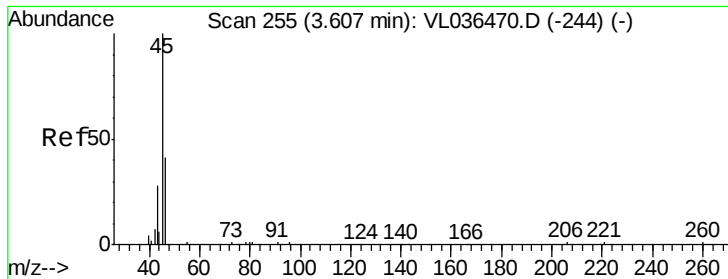
Tot Ion:101 Resp: 1999700
 Ion Ratio Lower Upper
 101 100
 103 63.4 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.788 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

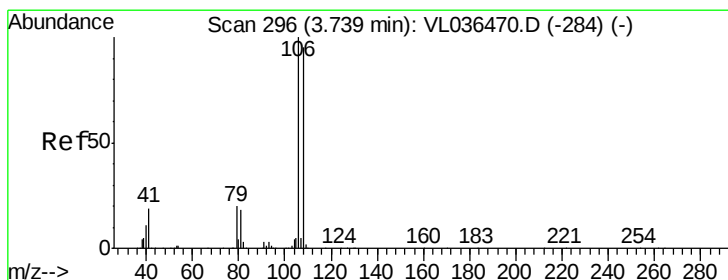
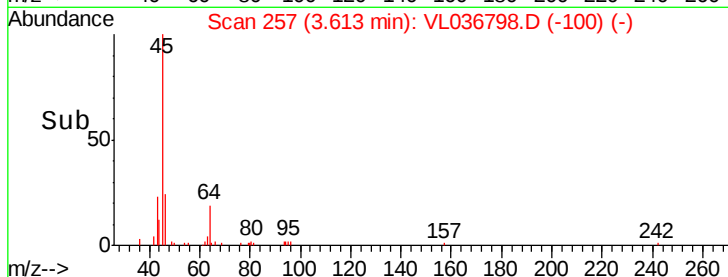
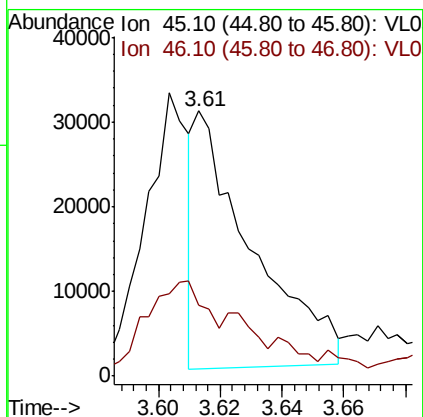
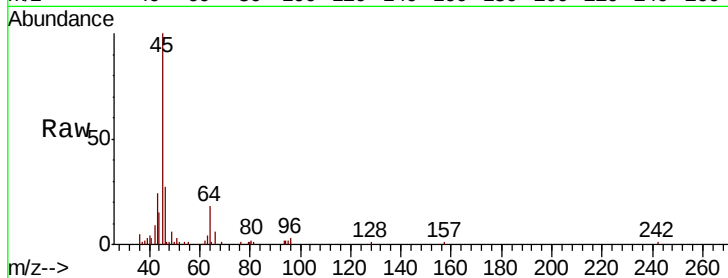
Tgt Ion:101 Resp: 1312329
 Ion Ratio Lower Upper
 101 100
 151 74.9 60.9 91.3





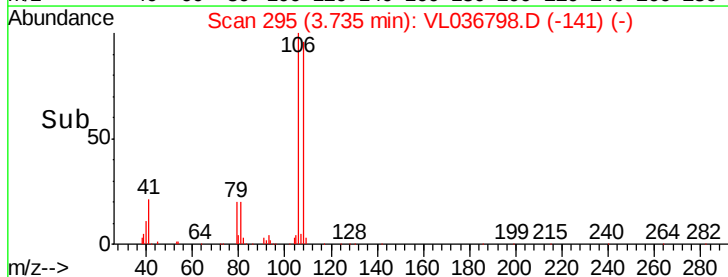
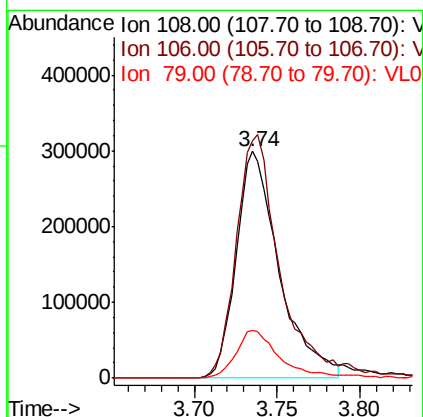
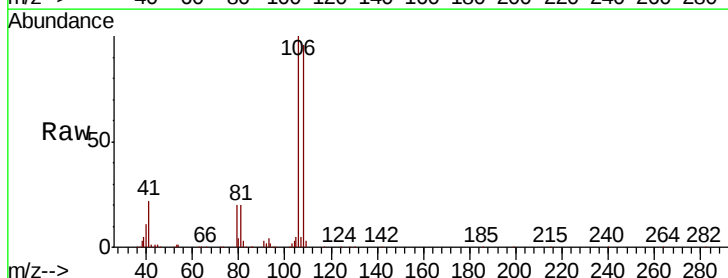
#13
Ethanol
Concen: 3.895 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 11:33

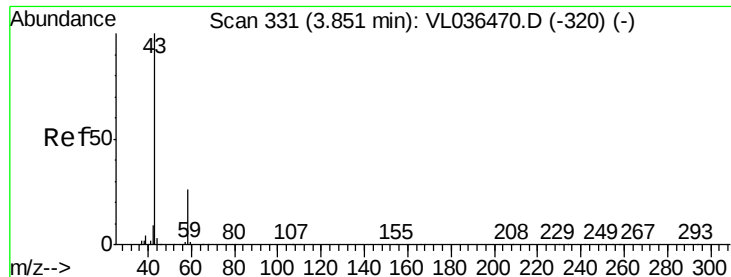
Tot Ion: 45 Resp: 38823
Ion Ratio Lower Upper
45 100
46 75.2 16.6 66.2#



#14
Bromoethene
Concen: 8.702 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL036798.D
Acq: 13 Apr 2021 11:33

Tgt Ion:108 Resp: 540278
Ion Ratio Lower Upper
108 100
106 112.2 89.0 133.6
79 22.0 16.6 25.0





#15

Acetone

Concen: 7.310 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

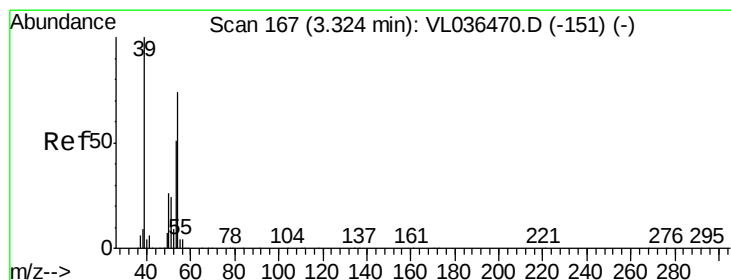
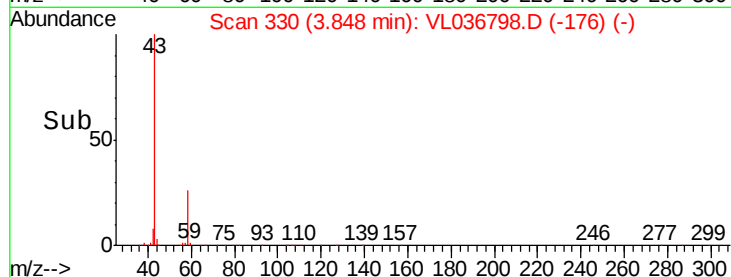
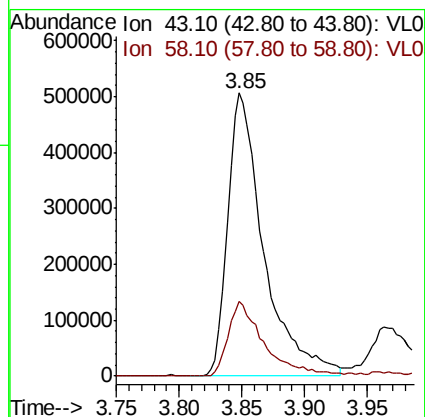
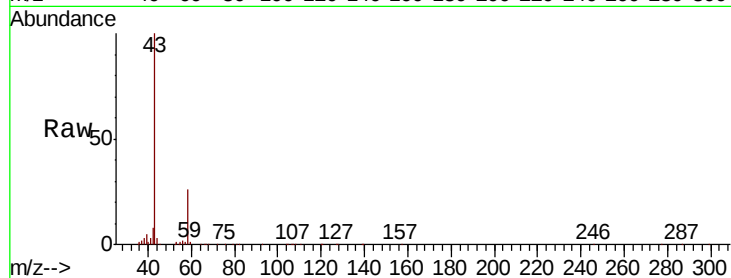
Acq: 13 Apr 2021 11:33

Tot Ion: 43 Resp: 1010967

Ion Ratio Lower Upper

43 100

58 26.4 21.2 31.8



#16

1,3-Butadiene

Concen: 8.808 ppbv

RT: 3.32 min Scan# 167

Delta R.T. -0.00 min

Lab File: VL036798.D

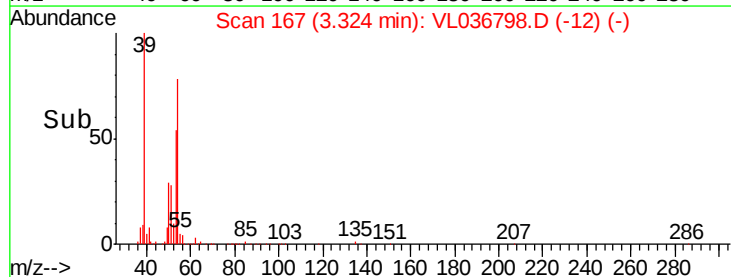
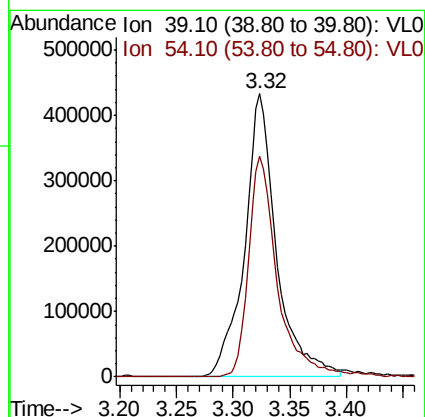
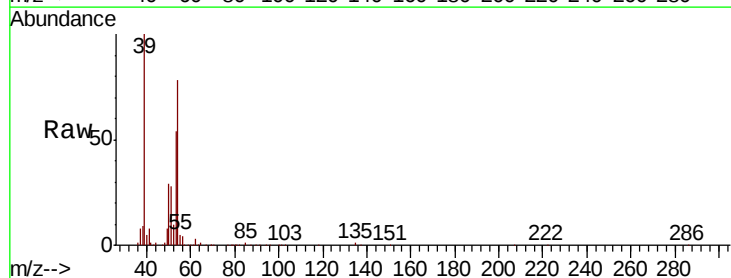
Acq: 13 Apr 2021 11:33

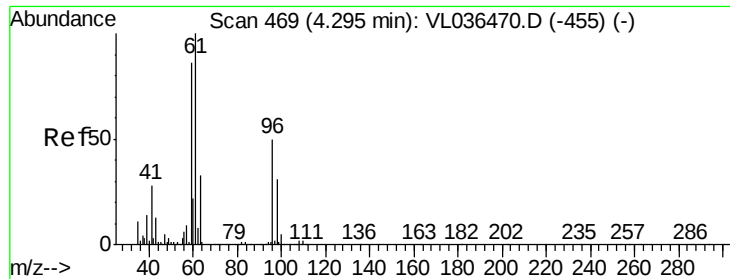
Tgt Ion: 39 Resp: 848140

Ion Ratio Lower Upper

39 100

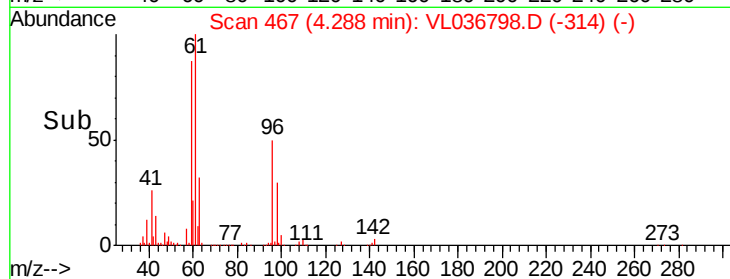
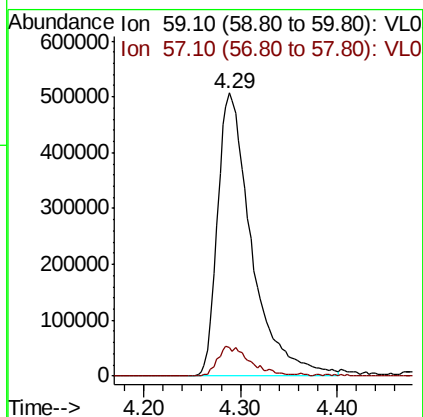
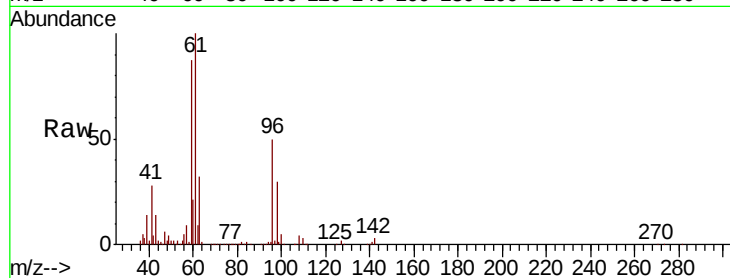
54 71.9 58.8 88.2





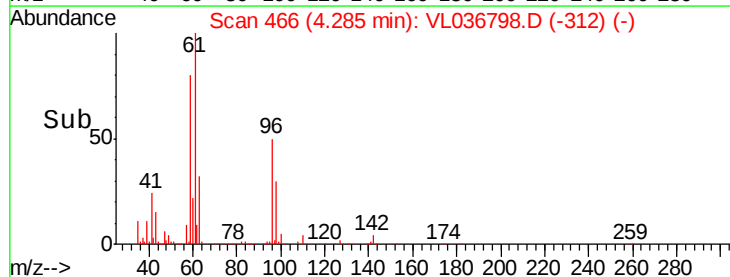
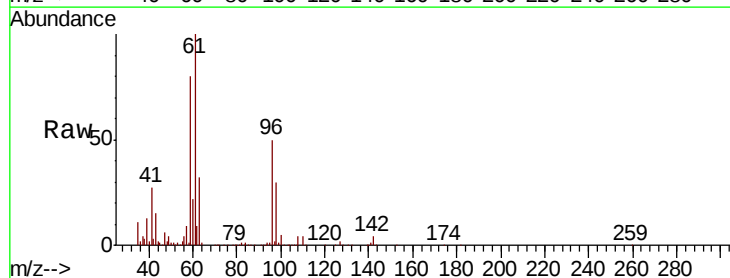
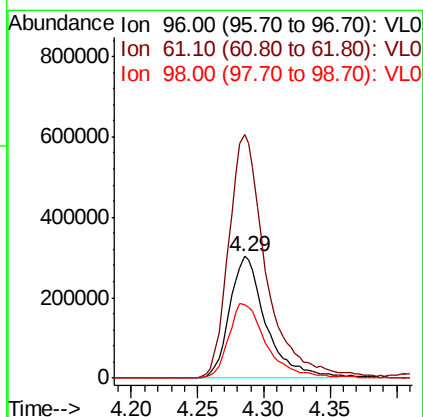
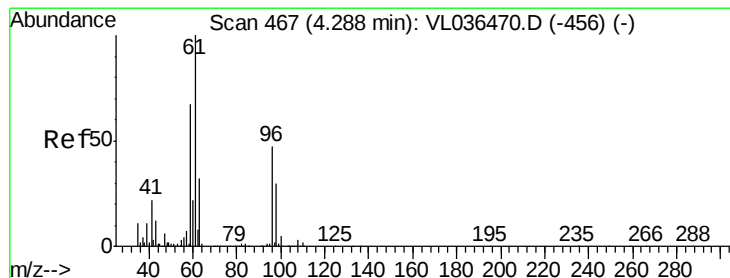
#17
 tert-Butyl alcohol
 Concen: 10.327 ppbv
 RT: 4.29 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 11:33

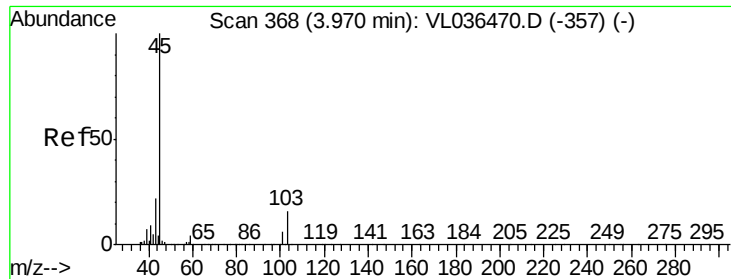
Tot Ion: 59 Resp: 1243385
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 12.8



#18
 1,1-Dichloroethene
 Concen: 8.675 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T.: -0.00 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

Tgt Ion: 96 Resp: 576268
 Ion Ratio Lower Upper
 96 100
 61 199.9 168.6 253.0
 98 60.2 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.104 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

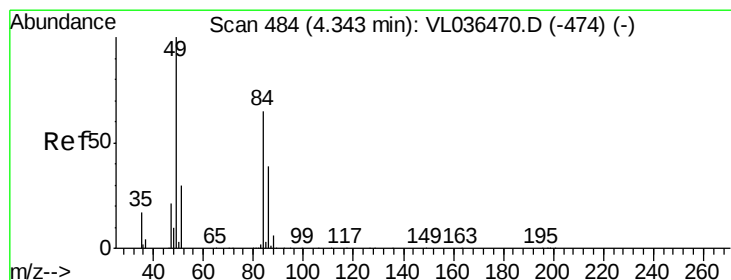
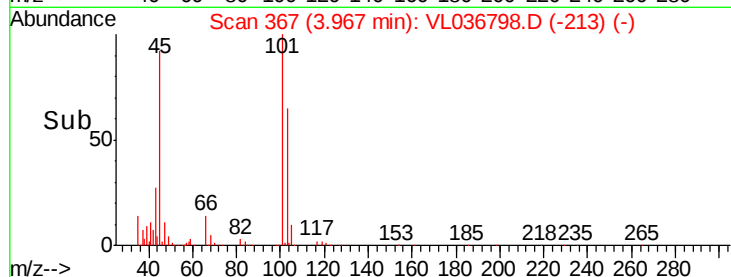
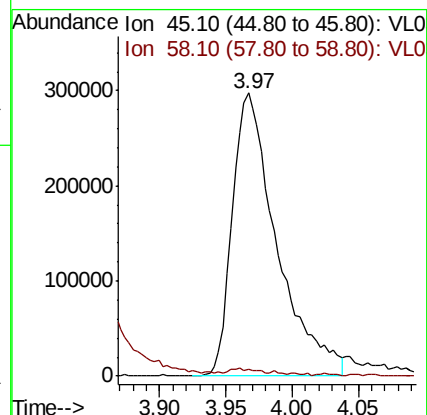
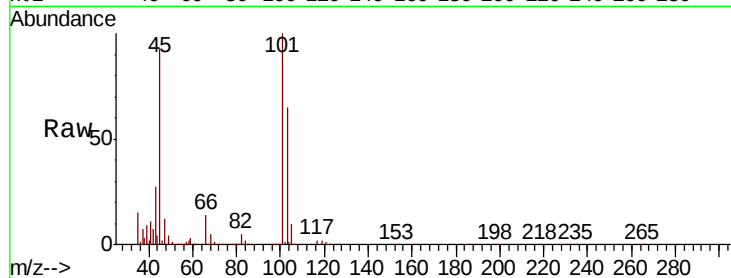
Acq: 13 Apr 2021 11:33

Tot Ion: 45 Resp: 692641

Ion Ratio Lower Upper

45 100

58 2.6 2.9 4.3#



#20

Methylene Chloride

Concen: 7.539 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

Tgt Ion: 84 Resp: 488214

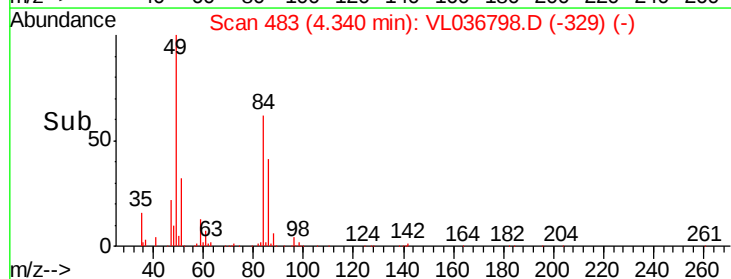
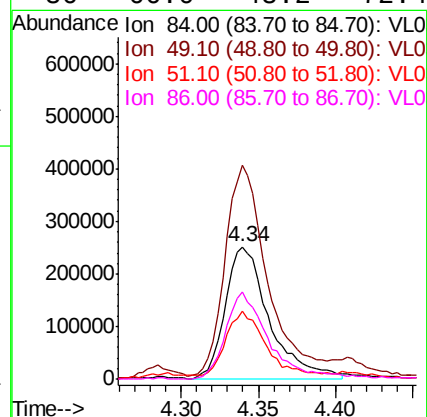
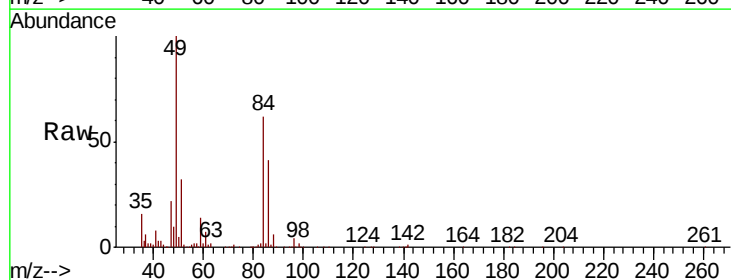
Ion Ratio Lower Upper

84 100

49 159.5 122.9 184.3

51 48.8 36.9 55.3

86 66.0 48.2 72.4





#21

Allvl Chloride

Concen: 8.228 ppbv

RT: 4.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 11:33

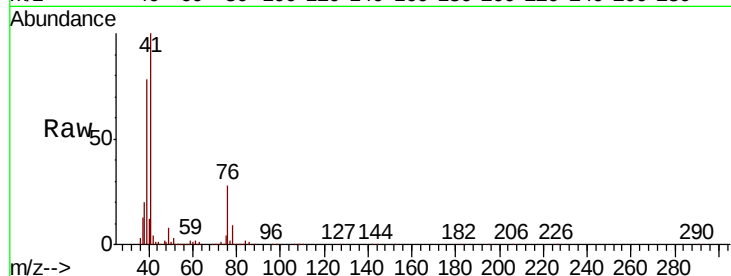
Tot Ion: 41 Resp: 907108

Ion Ratio Lower Upper

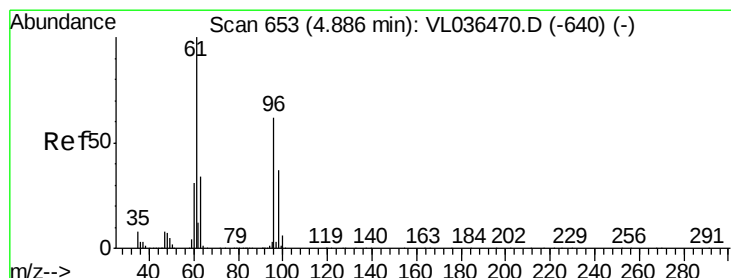
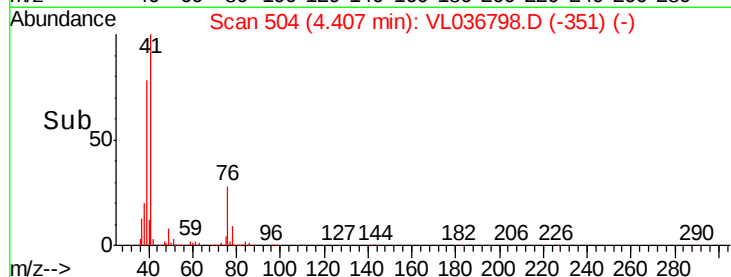
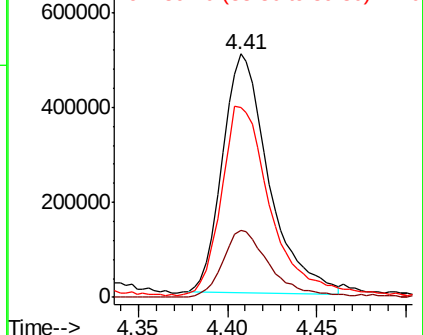
41 100

76 29.4 22.9 34.3

39 85.6 67.3 100.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 8.873 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.01 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

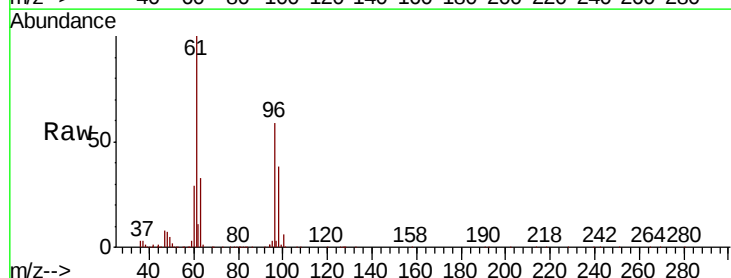
Tgt Ion: 96 Resp: 546448

Ion Ratio Lower Upper

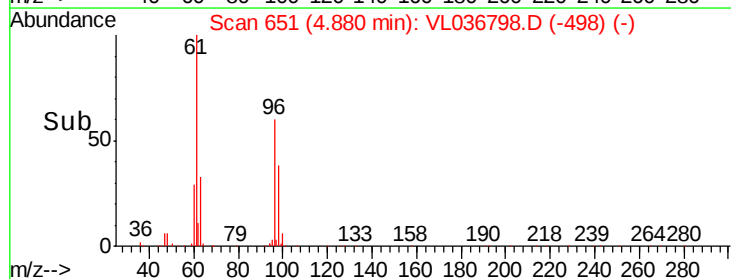
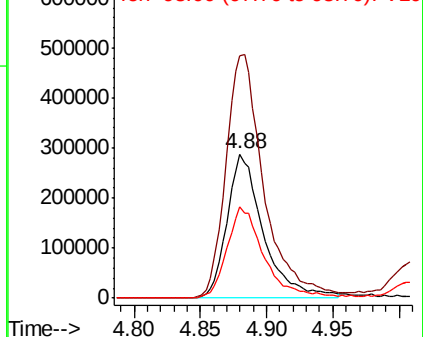
96 100

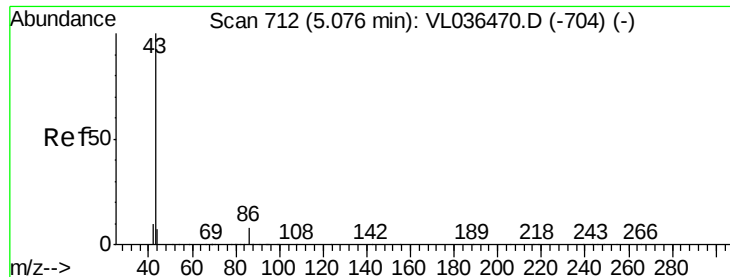
61 168.6 129.4 194.0

98 63.4 48.2 72.4



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 8.614 ppbv

RT: 5.07 Instrument:

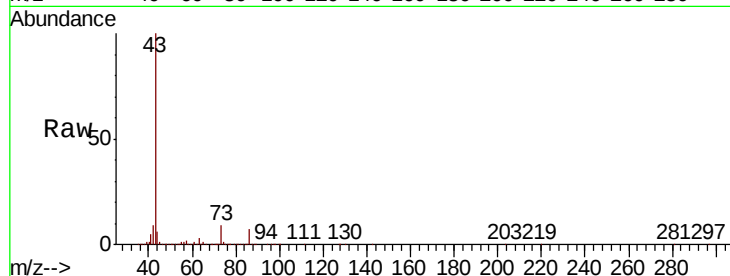
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 11:33

Tot Ion: 43 Resp: 2037916

Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.4	8.0
42	9.3	8.5	12.7
44	5.4	4.6	7.0

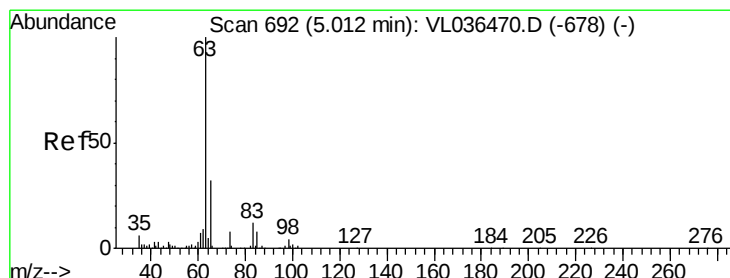
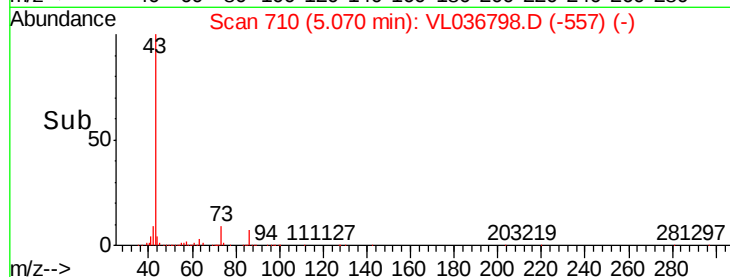
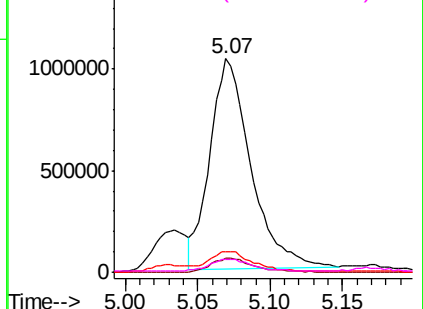


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.717 ppbv

RT: 5.01 min Scan# 691

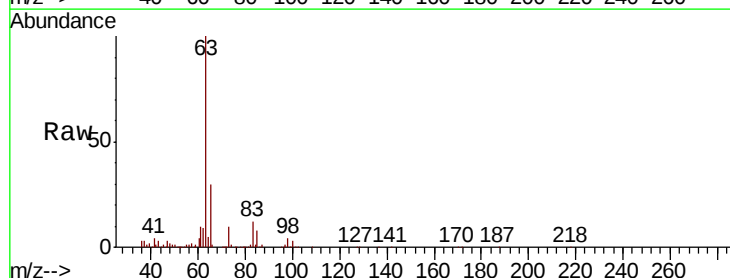
Delta R.T. -0.00 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

Tgt Ion: 63 Resp: 1503111

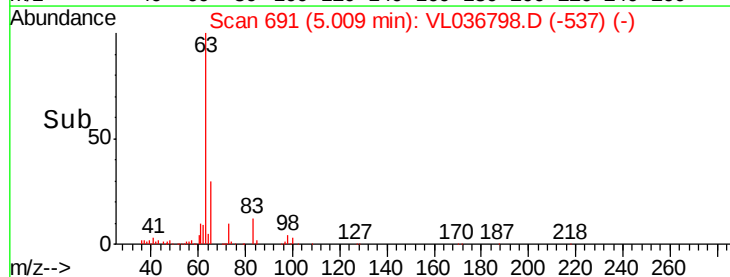
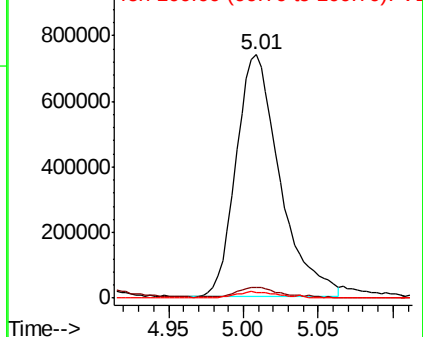
Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.2
100	2.4	0.9	2.8

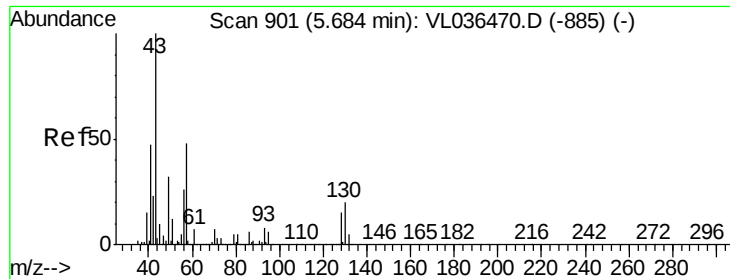


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

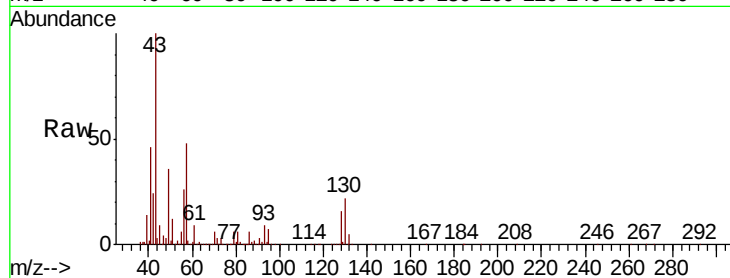
Ion 100.00 (99.70 to 100.70): VL0



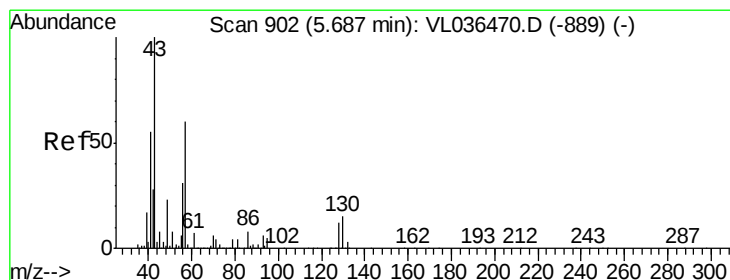
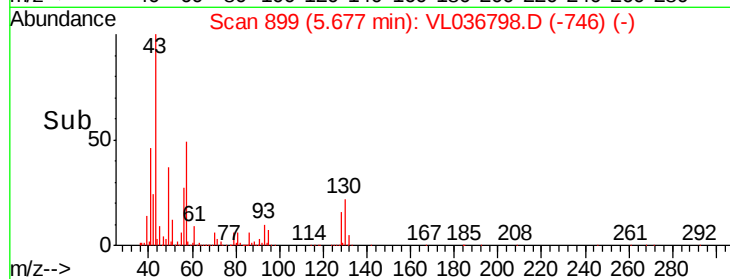
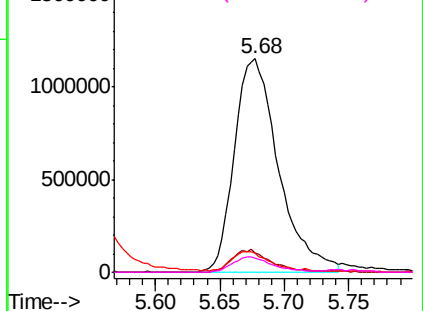


#25
Ethyl Acetate
Concen: 8.337 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Apr 2021 11:33

Tot Ion:	43	Resp:	2741264
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.6	7.4	11.2
70	6.5	5.1	7.7

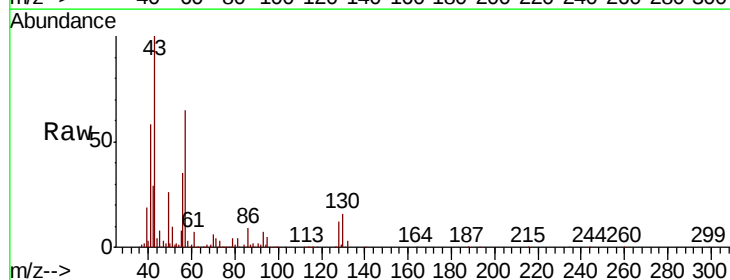


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

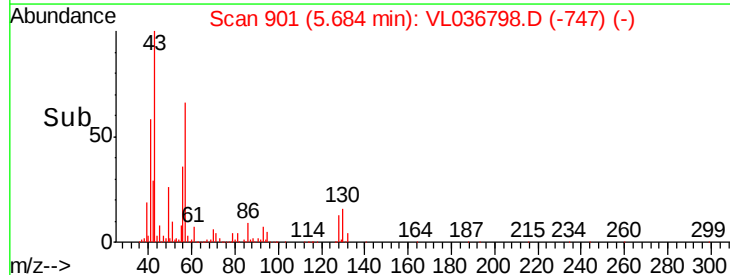
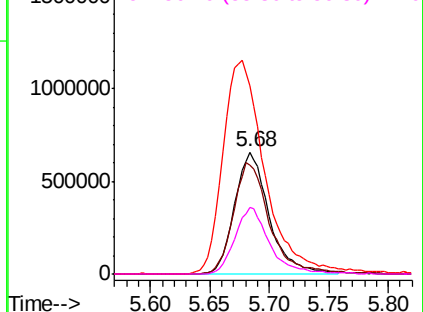


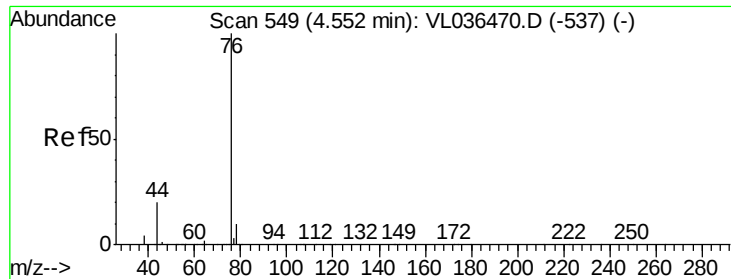
#26
Hexane
Concen: 8.687 ppbv
RT: 5.68 min Scan# 901
Delta R.T.: -0.00 min
Lab File: VL036798.D
Acq: 13 Apr 2021 11:33

Tgt Ion:	57	Resp:	1325492
Ion	Ratio	Lower	Upper
57	100		
41	96.0	77.2	115.8
43	213.7	173.8	260.6
56	54.9	43.8	65.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.433 ppbv

RT: 4.55 Instrument:

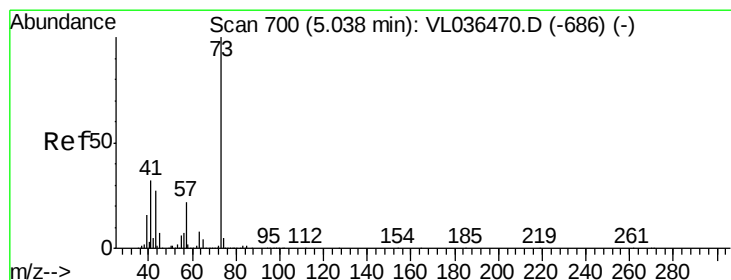
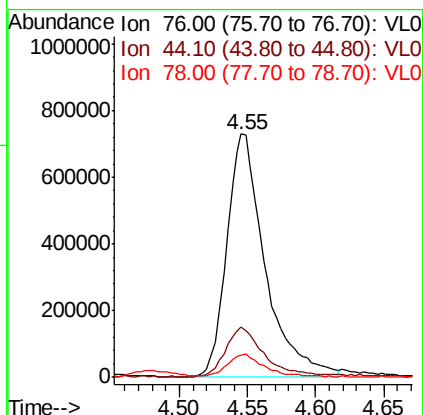
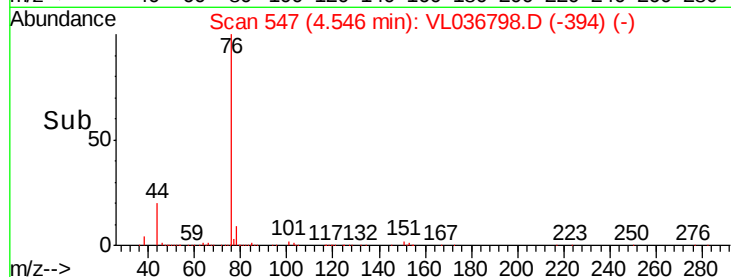
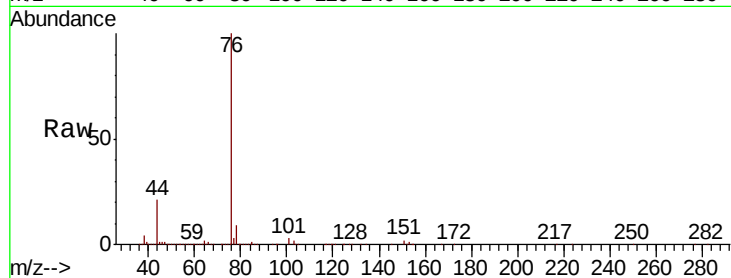
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 11:33

Tot Ion: 76 Resp: 1418011

Ion	Ratio	Lower	Upper
76	100		
44	20.9	17.5	26.3
78	10.3	8.6	13.0



#28

Methyl tert-Butyl Ether

Concen: 8.660 ppbv

RT: 5.03 min Scan# 698

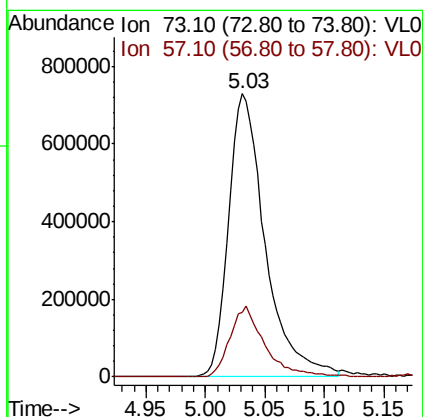
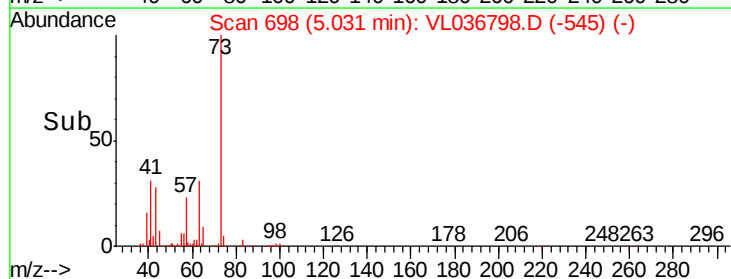
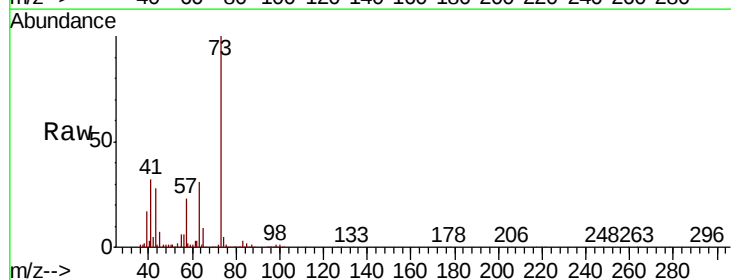
Delta R.T. -0.01 min

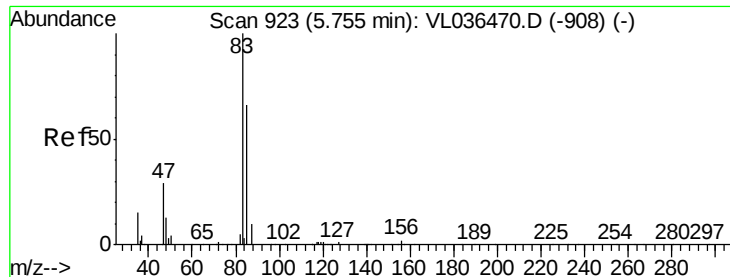
Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

Tgt Ion: 73 Resp: 1558334

Ion	Ratio	Lower	Upper
73	100		
57	23.9	18.5	27.7





#29

Chloroform

Concen: 8.758 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

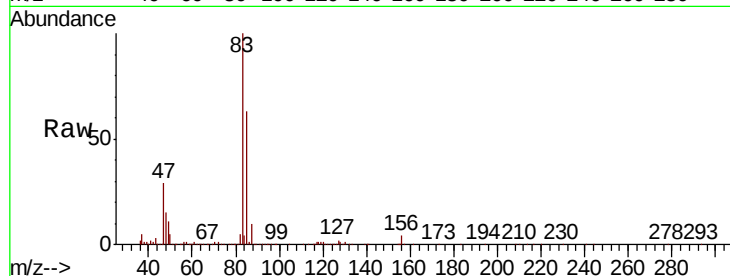
Acq: 13 Apr 2021 11:33

Tot Ion: 83 Resp: 2137344

Ion Ratio Lower Upper

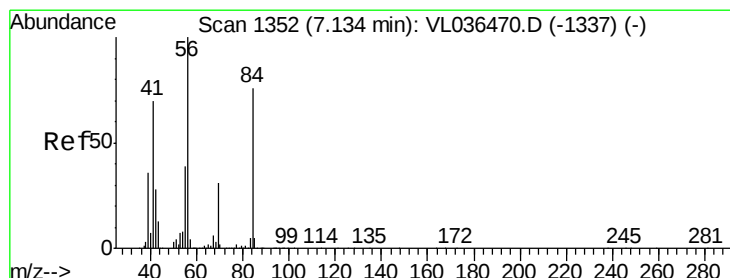
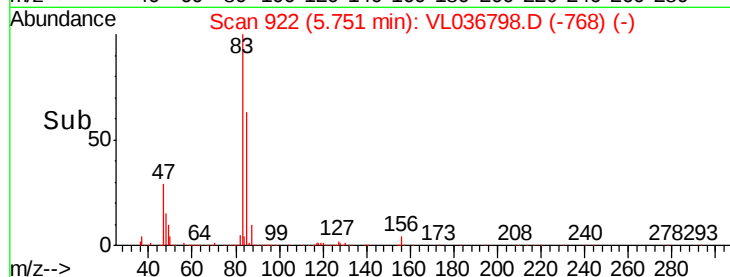
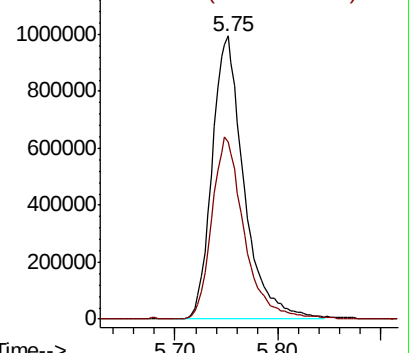
83 100

85 62.7 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 9.207 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.01 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

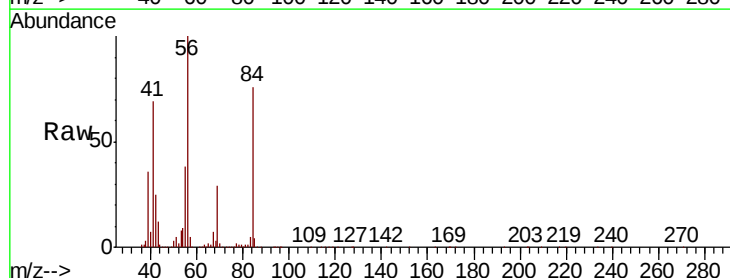
Tgt Ion: 84 Resp: 1139427

Ion Ratio Lower Upper

84 100

56 143.2 114.6 171.8

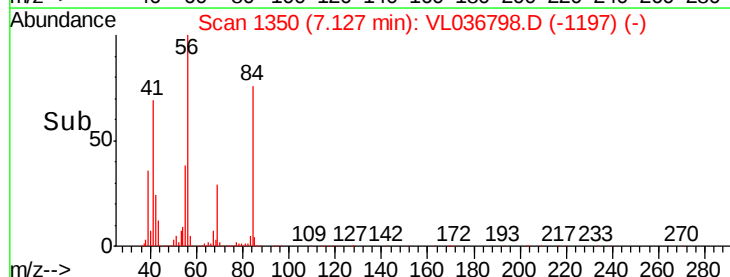
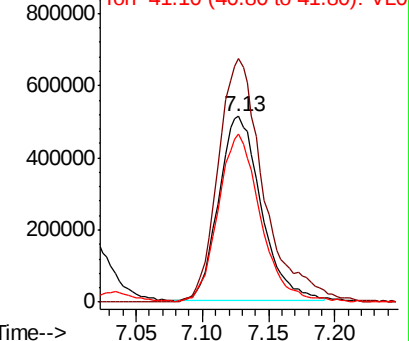
41 91.4 75.3 112.9

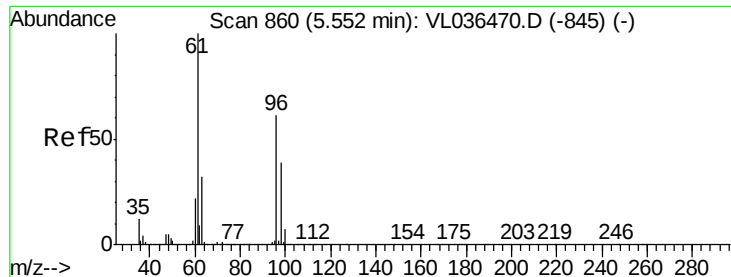


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 8.910 ppbv

RT: 5.55 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 11:33

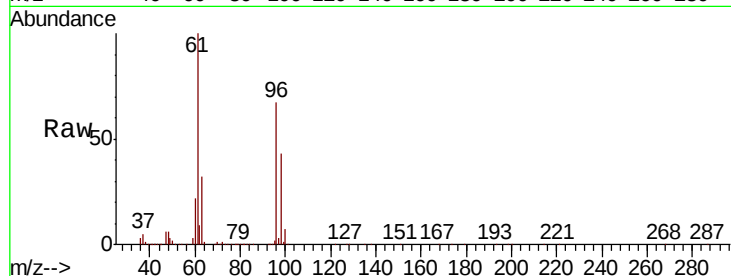
Tot Ion: 61 Resp: 1315036

Ion Ratio Lower Upper

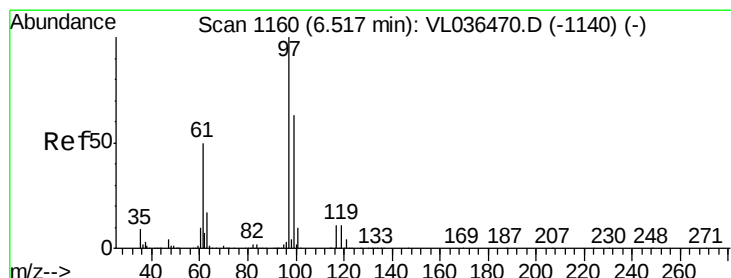
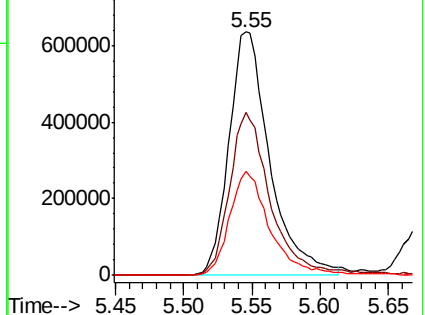
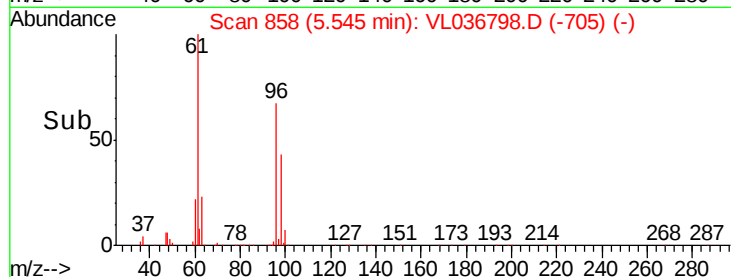
61 100

96 66.7 48.7 73.1

98 43.0 31.4 47.0



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.752 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

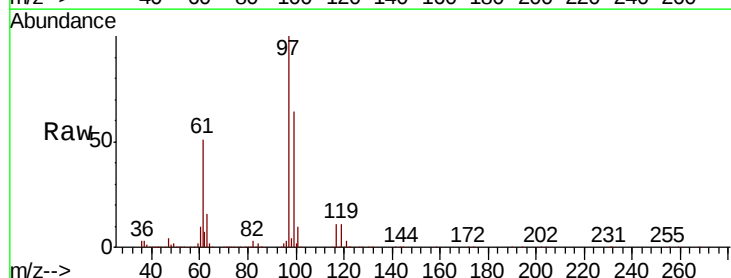
Tgt Ion: 97 Resp: 2152525

Ion Ratio Lower Upper

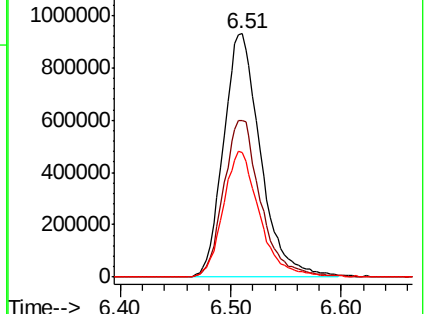
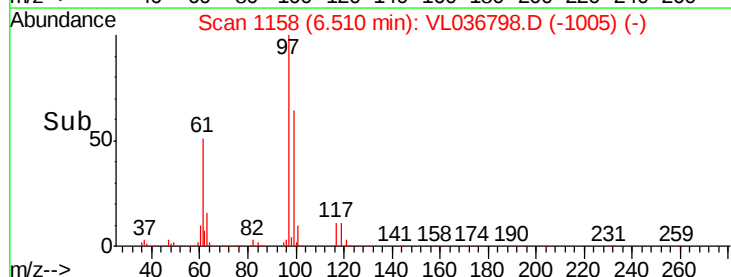
97 100

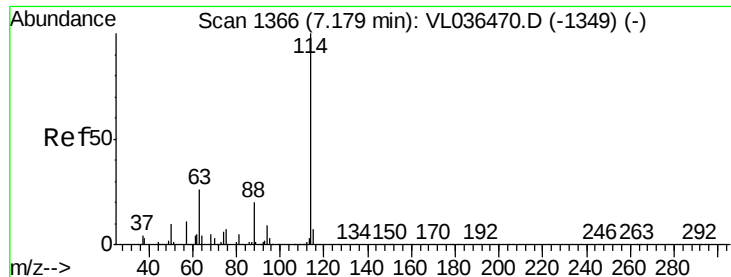
99 65.2 51.4 77.0

61 51.6 40.6 60.8



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

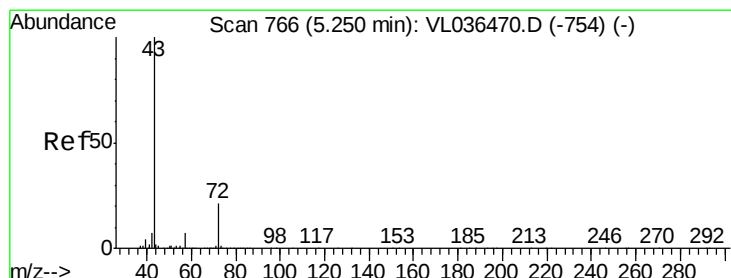
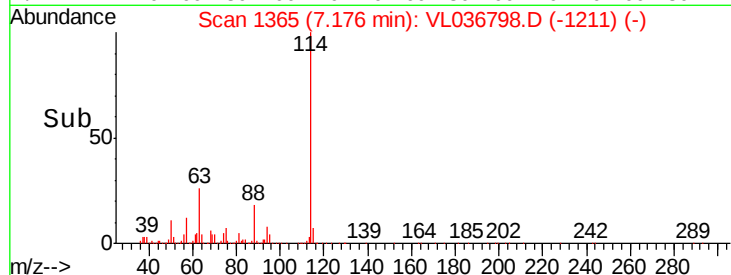
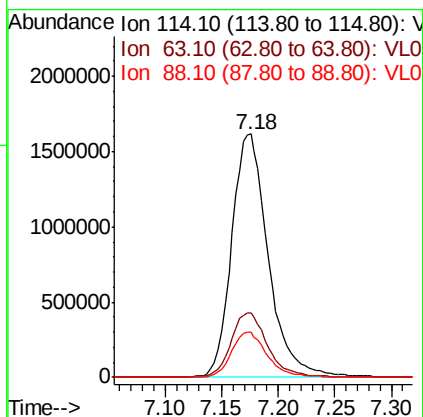
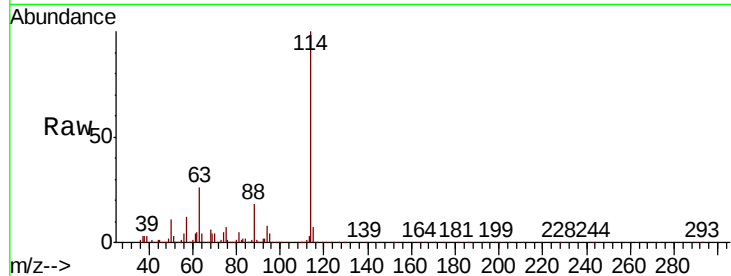




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 11:33

Tot Ion: 114 Resp: 3623311

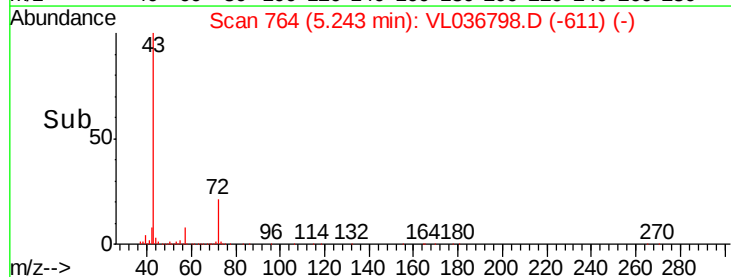
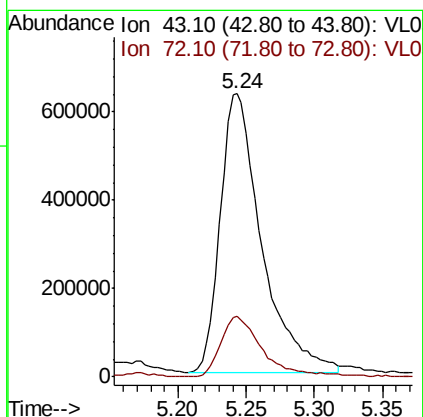
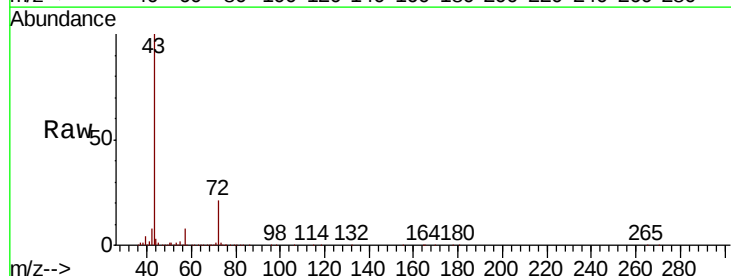
Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.4	33.6
88	18.5	15.4	23.0

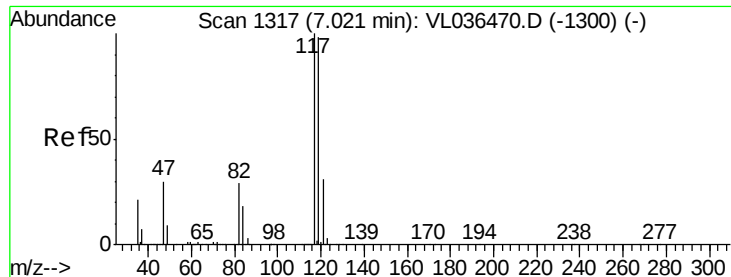


#34
 2-Butanone
 Concen: 7.495 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T.: -0.01 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

Tgt Ion: 43 Resp: 1325557

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.0	25.6

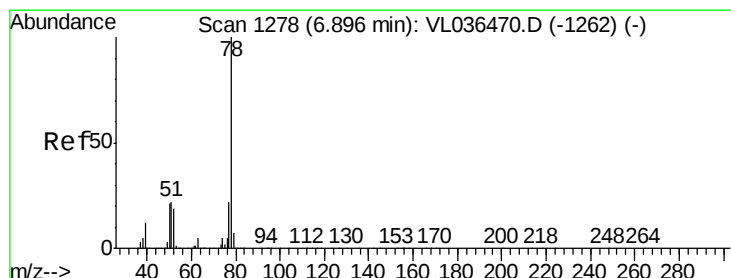
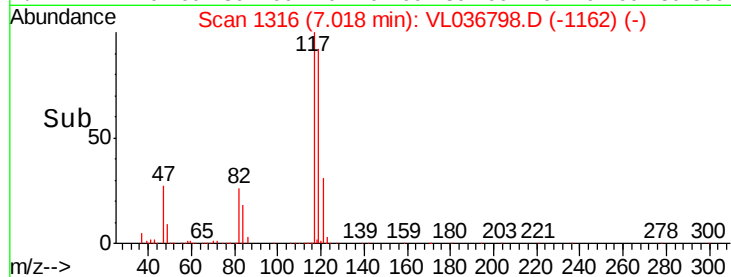
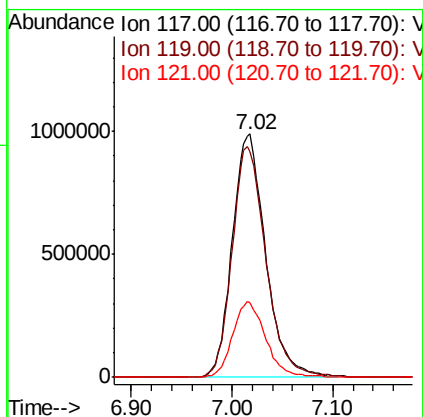
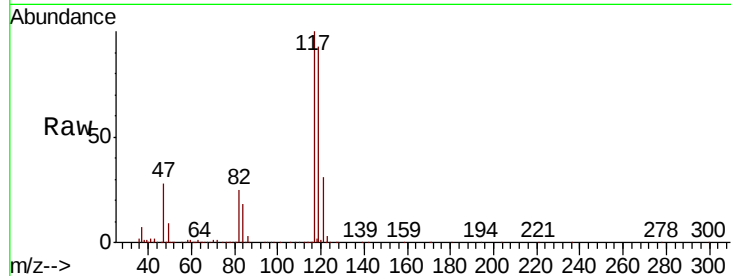




#35
 Carbon Tetrachloride
 Concen: 8.178 ppbv
 RT: 7.02
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 11:33

Tot Ion:117 Resp: 2275824

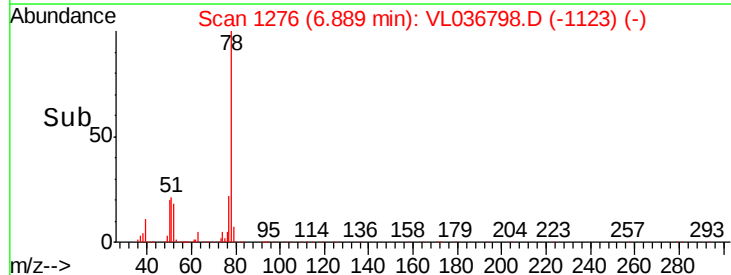
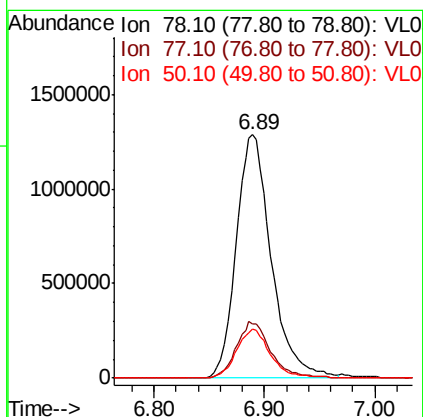
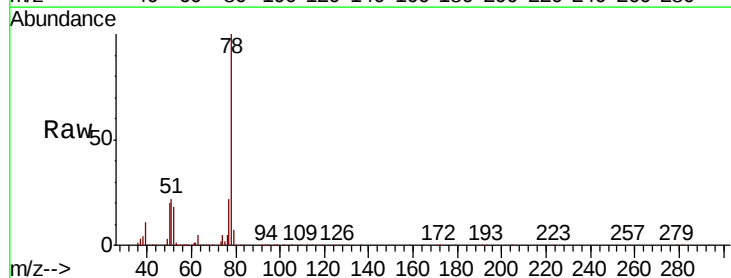
Ion	Ratio	Lower	Upper
117	100		
119	92.8	78.2	117.2
121	30.9	24.5	36.7

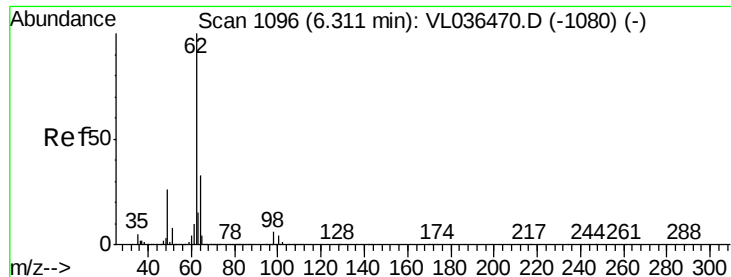


#36
 Benzene
 Concen: 8.456 ppbv
 RT: 6.89 min Scan# 1276
 Delta R.T. -0.01 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

Tgt Ion: 78 Resp: 2825665

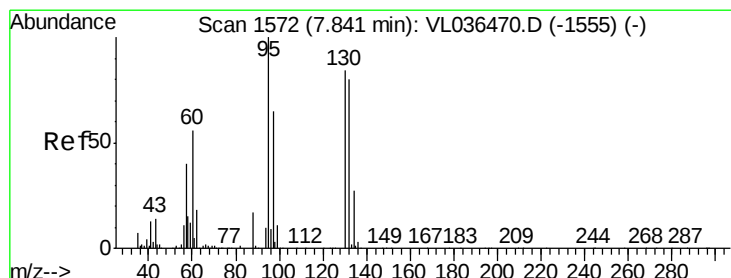
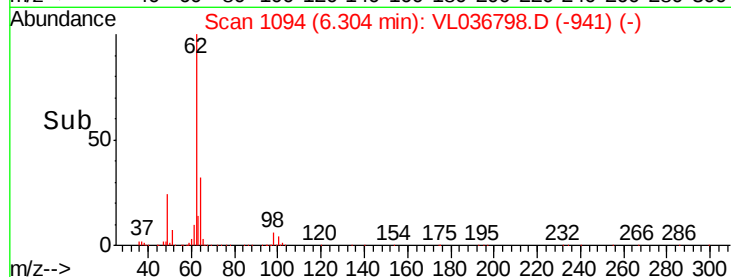
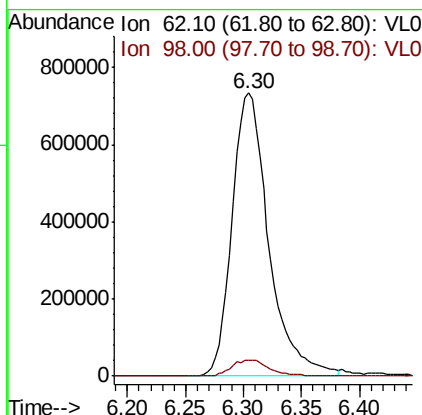
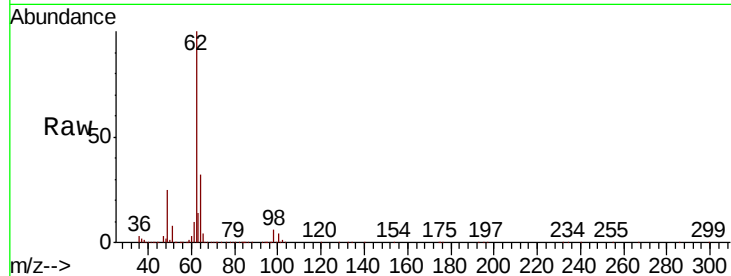
Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.0	27.0
50	20.1	16.5	24.7





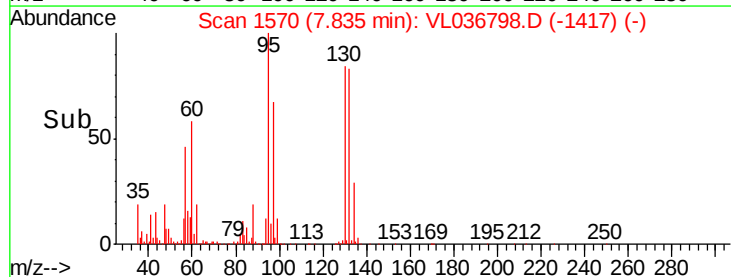
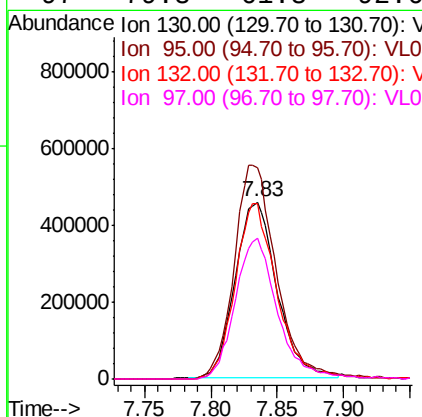
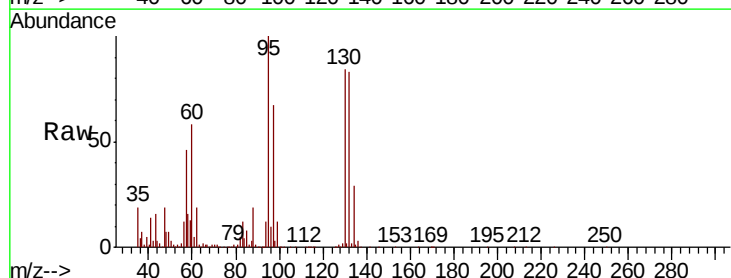
#37
 1,2-Dichloroethane
 Concen: 8.181 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 11:33

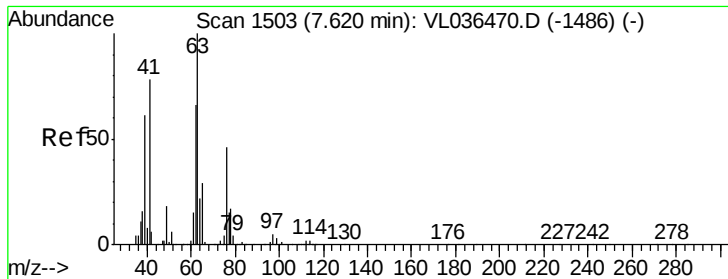
Tot Ion: 62 Resp: 1608998
 Ion Ratio Lower Upper
 62 100
 98 6.1 4.9 7.3



#38
 Trichloroethene
 Concen: 7.752 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

Tgt Ion: 130 Resp: 1008113
 Ion Ratio Lower Upper
 130 100
 95 119.5 95.7 143.5
 132 99.1 76.2 114.4
 97 79.8 61.8 92.6





#39

1,2-Dichloropropane

Concen: 8.169 ppbv

RT: 7.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 11:33

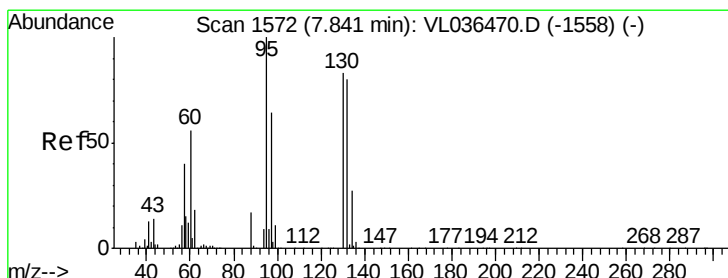
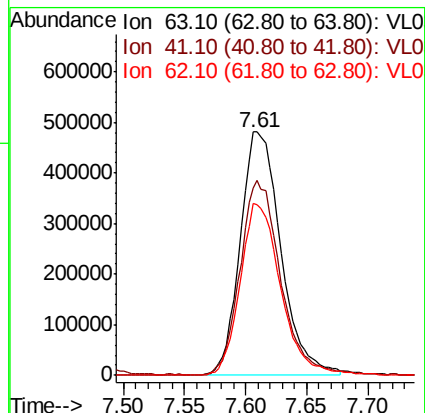
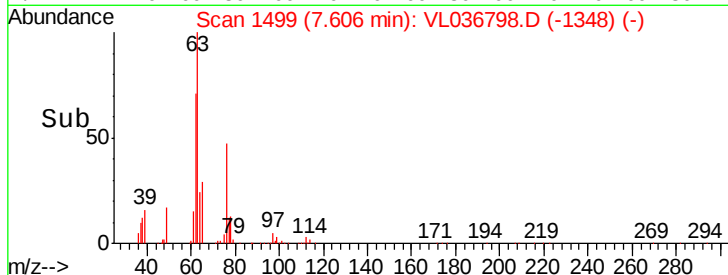
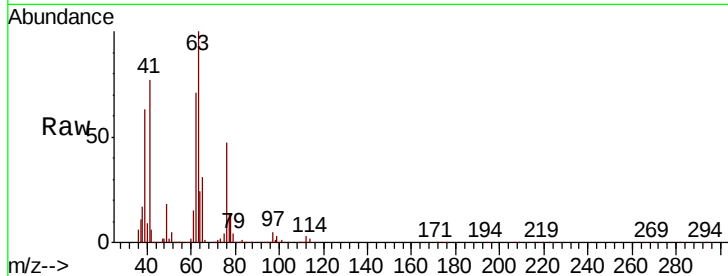
Tot Ion: 63 Resp: 1107285

Ion Ratio Lower Upper

63 100

41 76.7 62.4 93.6

62 70.9 52.8 79.2



#40

1,4-Dioxane

Concen: 8.397 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

Tgt Ion: 88 Resp: 264924

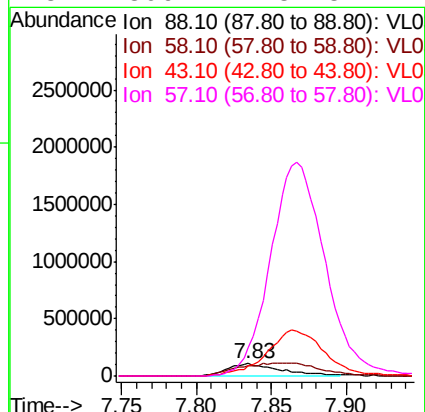
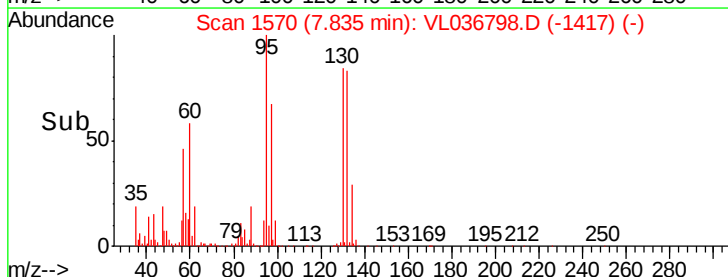
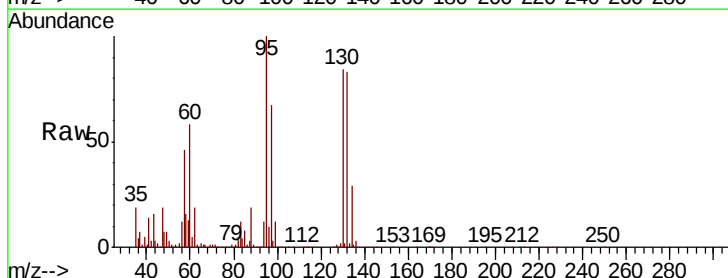
Ion Ratio Lower Upper

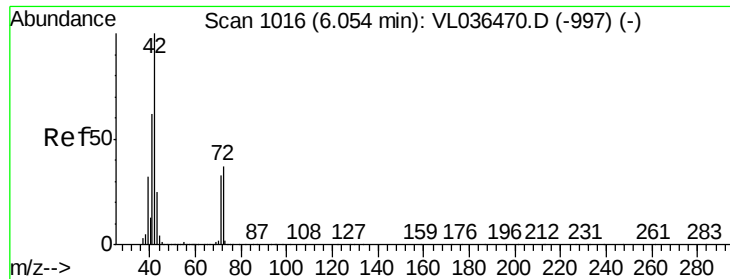
88 100

58 166.7 134.1 201.1

43 407.4 346.6 520.0

57 1806.2 1481.8 2222.8





#41

Tetrahydrofuran

Concen: 7.451 ppbv

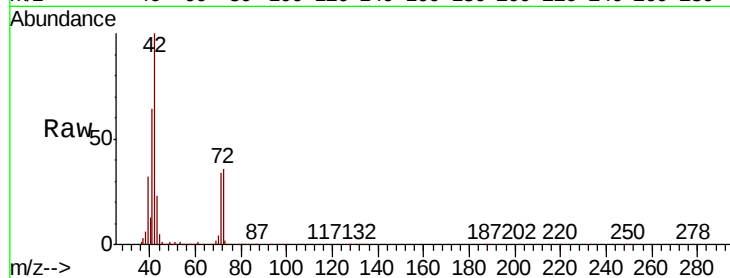
RT: 6.05 Instrument:

Delta R.T. MSVOA_L

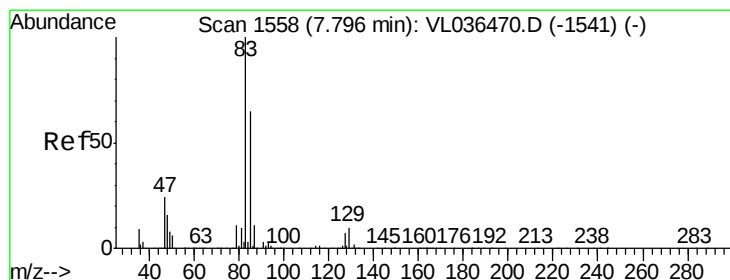
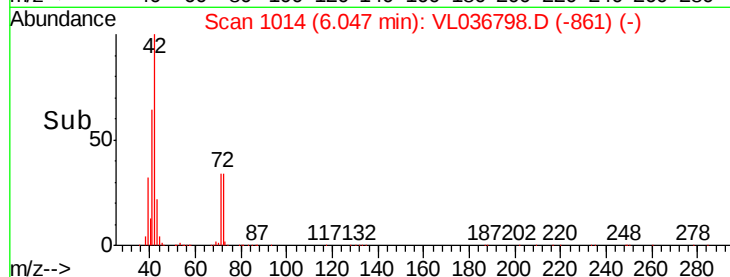
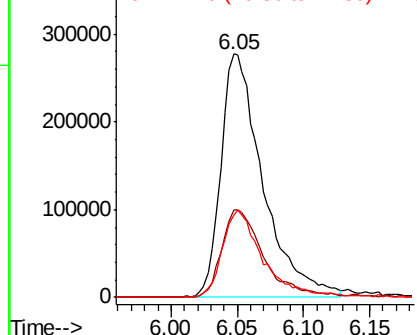
Lab File: ClientSampleId:

Acq: 13 Apr 2021 11:33

Tot Ion:	42	Resp:	607596
Ion	Ratio	Lower	Upper
42	100		
72	37.2	27.6	41.4
71	35.1	27.0	40.4



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: 8.632 ppbv

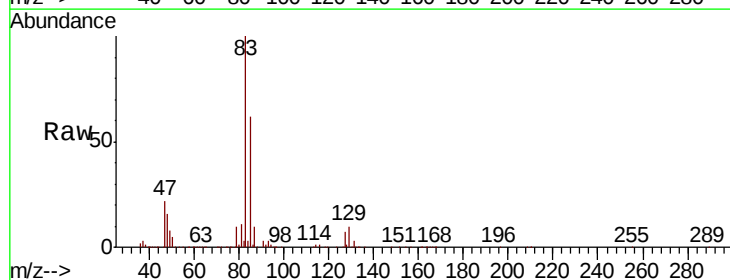
RT: 7.79 min Scan# 1556

Delta R.T. -0.01 min

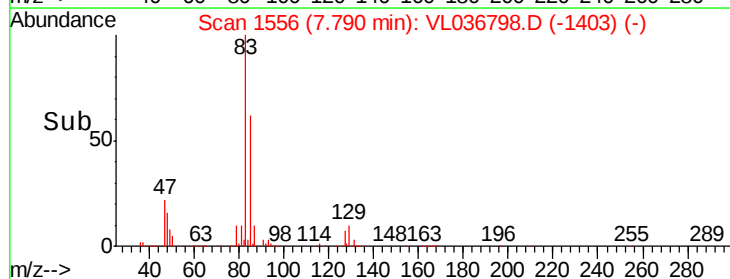
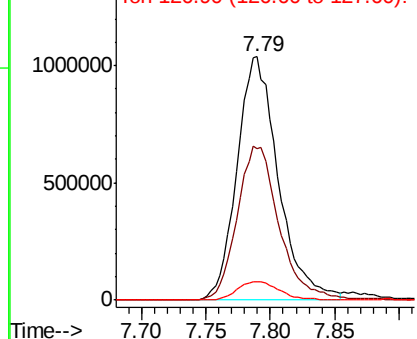
Lab File: VL036798.D

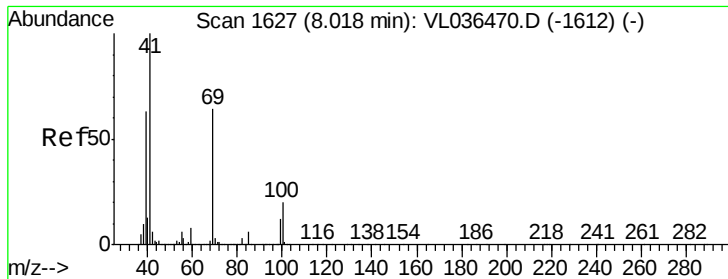
Acq: 13 Apr 2021 11:33

Tgt Ion:	83	Resp:	2309383
Ion	Ratio	Lower	Upper
83	100		
85	62.1	51.8	77.6
127	7.4	5.8	8.8



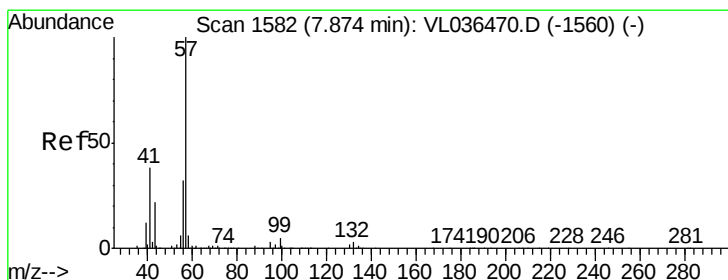
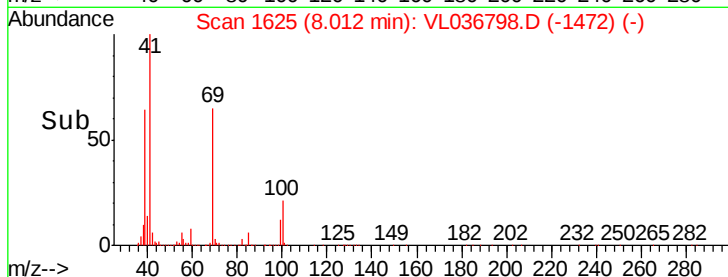
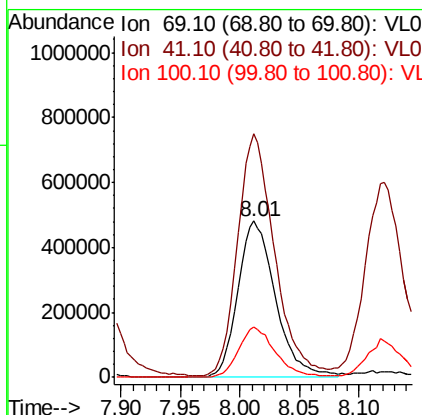
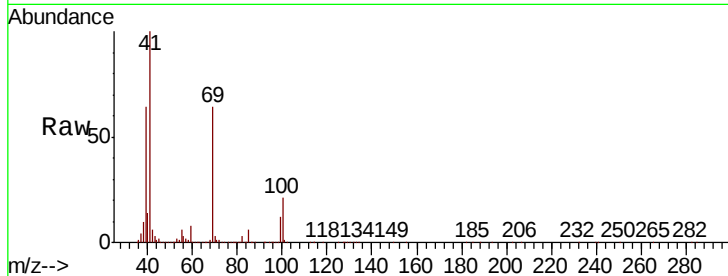
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





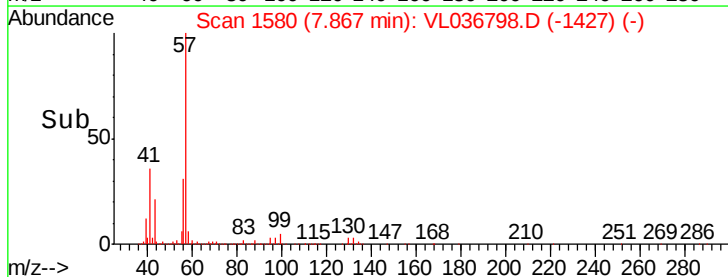
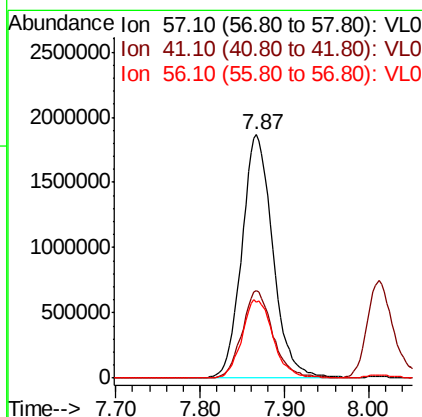
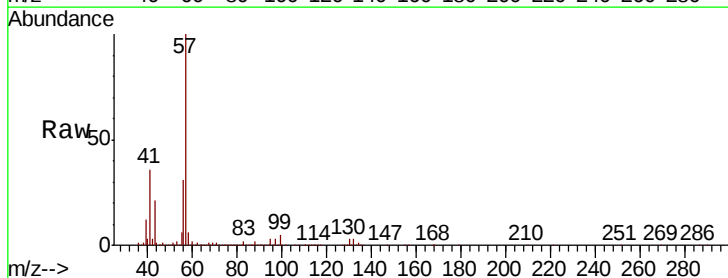
#43
Methvl Methacrilate
Concen: 9.424 ppbv
RT: 8.01 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 11:33

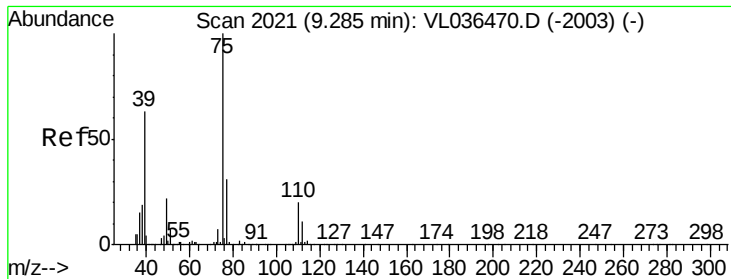
Tot Ion: 69 Resp: 1057533
Ion Ratio Lower Upper
69 100
41 153.2 126.8 190.2
100 31.7 24.9 37.3



#44
2,2,4-Trimethylpentane
Concen: 8.126 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL036798.D
Acq: 13 Apr 2021 11:33

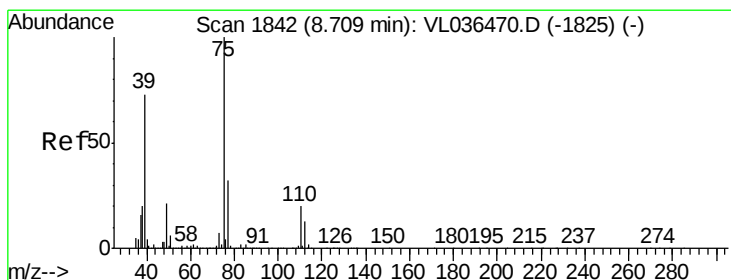
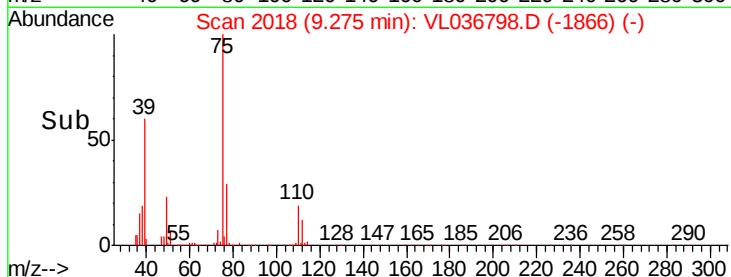
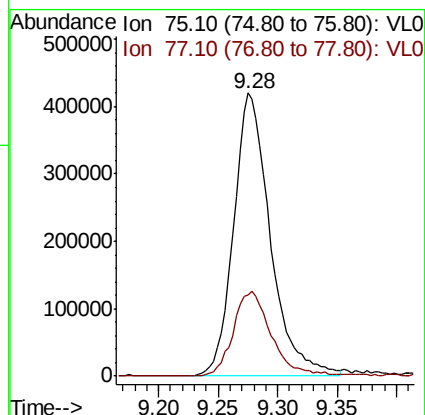
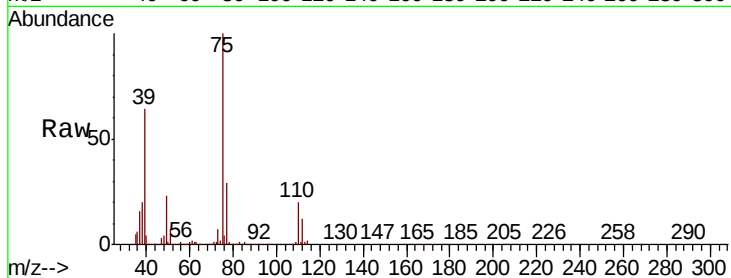
Tgt Ion: 57 Resp: 4779067
Ion Ratio Lower Upper
57 100
41 35.5 28.8 43.2
56 32.3 26.1 39.1





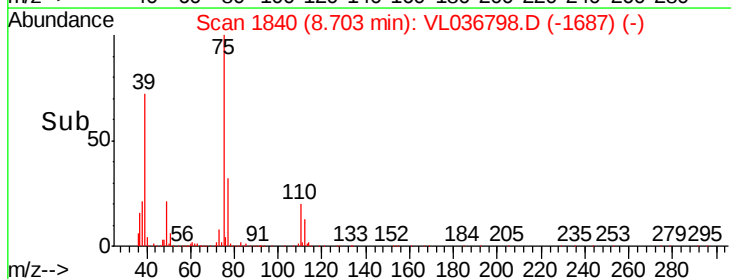
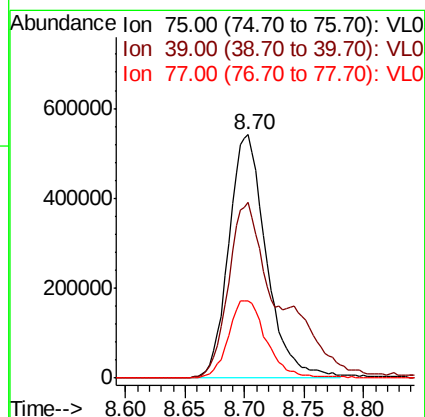
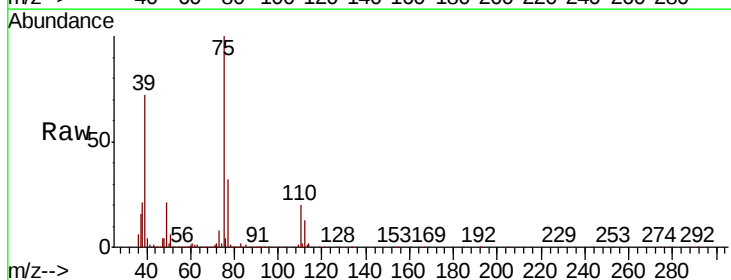
#45
t-1,3-Dichloropropene
Concen: 6.965 ppbv
RT: 9.28 Instrument :
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 13 Apr 2021 11:33

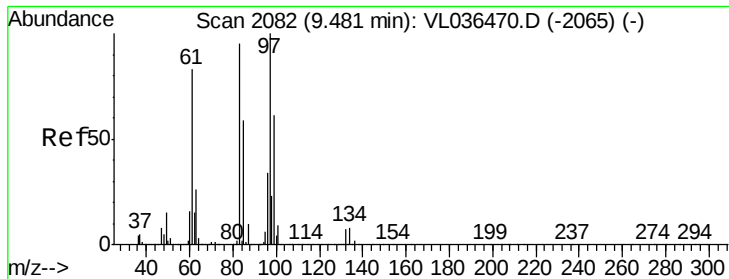
Tot Ion: 75 Resp: 892413
Ion Ratio Lower Upper
75 100
77 28.9 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 7.217 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VL036798.D
Acq: 13 Apr 2021 11:33

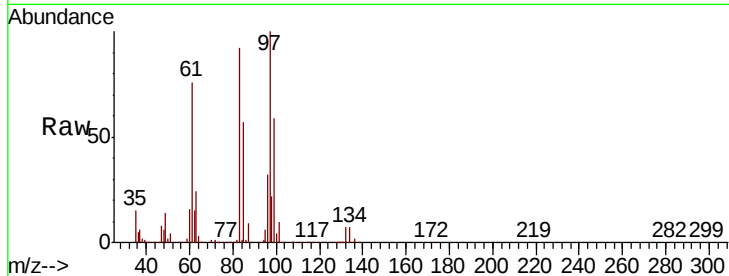
Tgt Ion: 75 Resp: 1182039
Ion Ratio Lower Upper
75 100
39 71.7 58.2 87.2
77 31.7 25.2 37.8



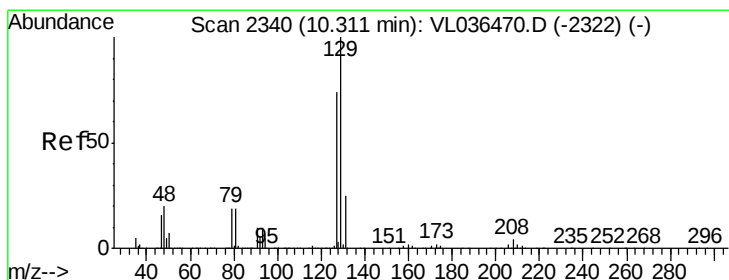
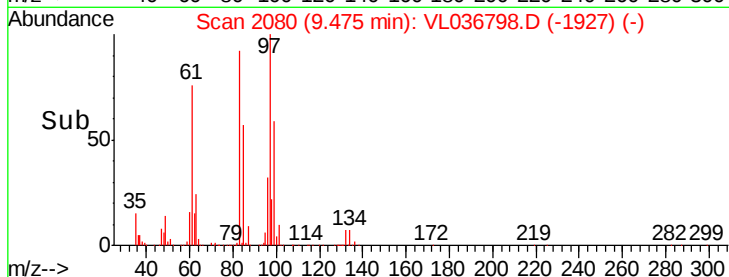
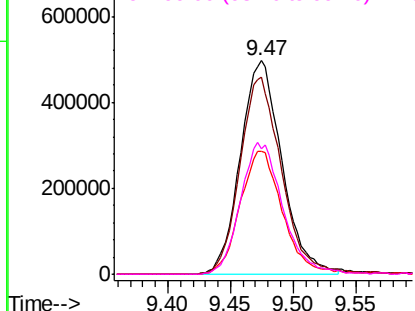


#47
 1,1,2-Trichloroethane
 Concen: 8.347 ppbv
 RT: 9.47 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 11:33

Tot Ion:	97	Resp:	1145989
Ion	Ratio	Lower	Upper
97	100		
83	91.9	75.8	113.8
85	57.3	47.1	70.7
99	58.8	49.2	73.8

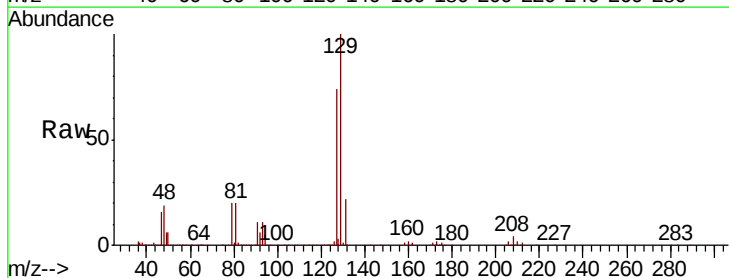


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

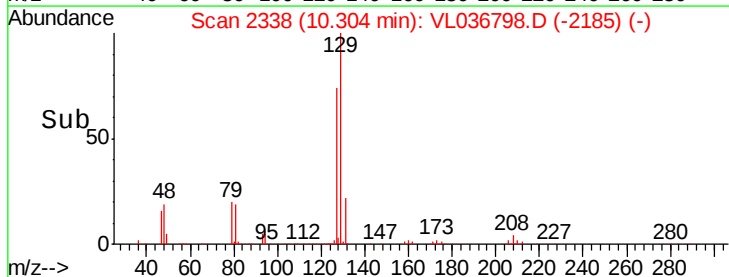
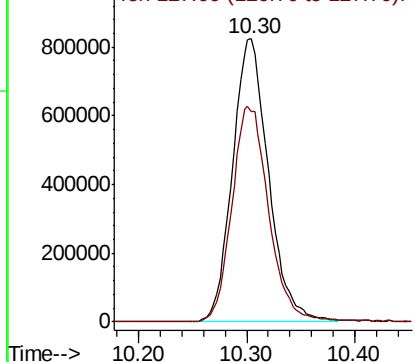


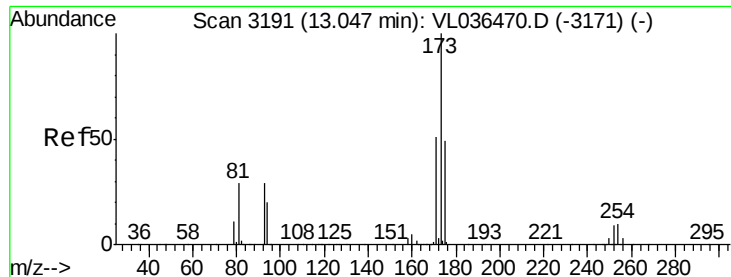
#48
 Dibromochloromethane
 Concen: 9.171 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.01 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

Tgt Ion:	129	Resp:	1919500
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.6	118.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.254 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File:

Acq: 13 Apr 2021 11:33

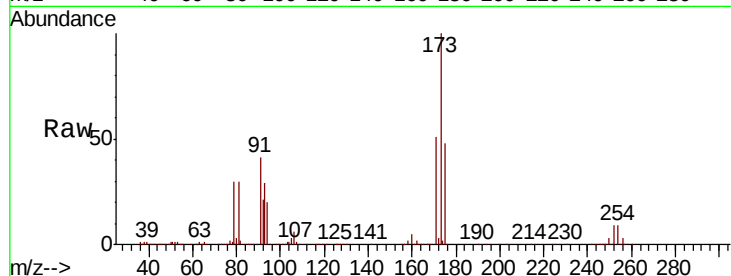
Tot Ion: 173 Resp: 1560585

Ion Ratio Lower Upper

173 100

175 50.2 39.6 59.4

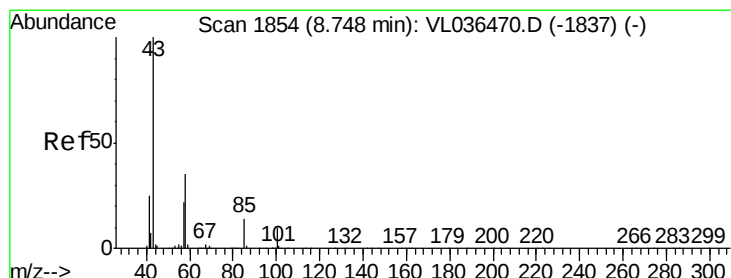
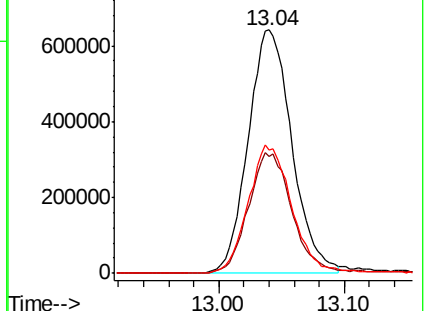
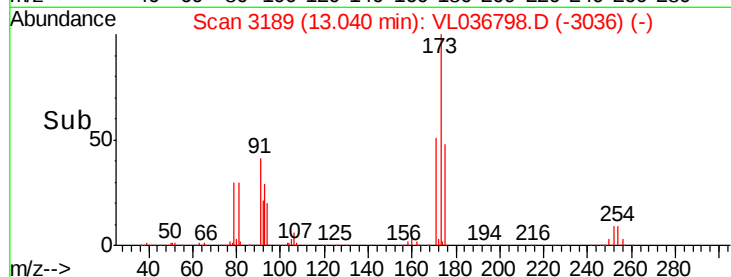
171 52.9 41.4 62.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 7.770 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL036798.D

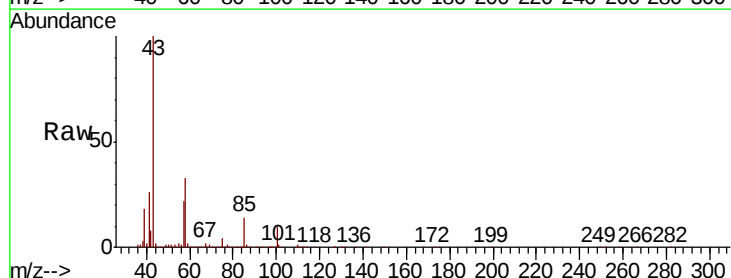
Acq: 13 Apr 2021 11:33

Tgt Ion: 43 Resp: 1988488

Ion Ratio Lower Upper

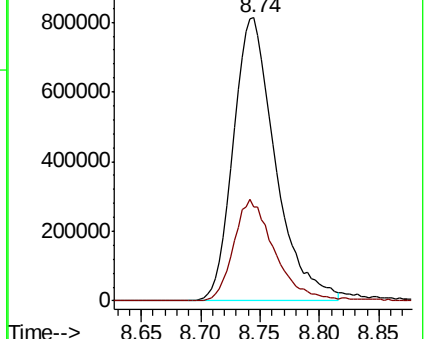
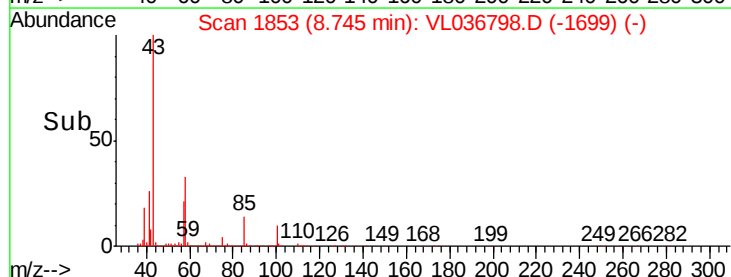
43 100

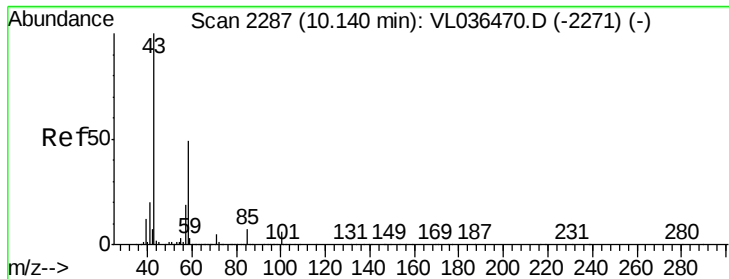
58 35.5 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

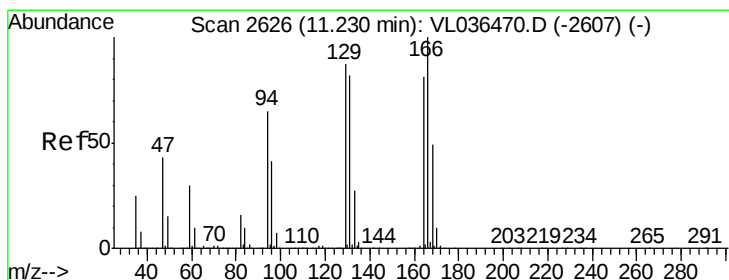
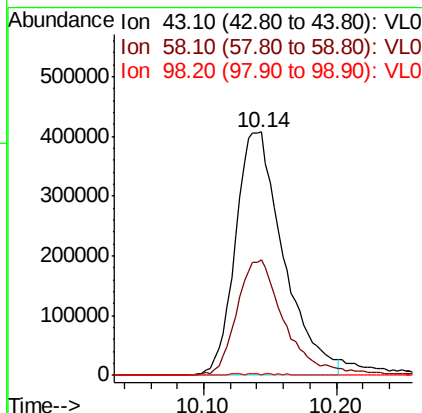
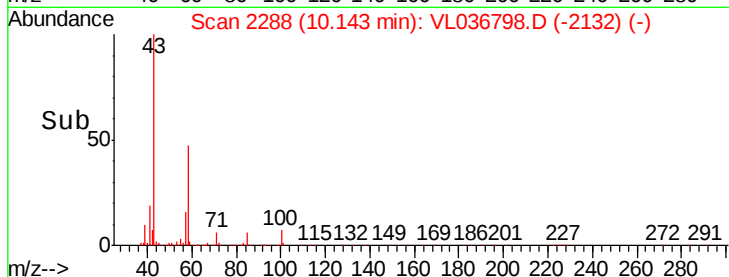
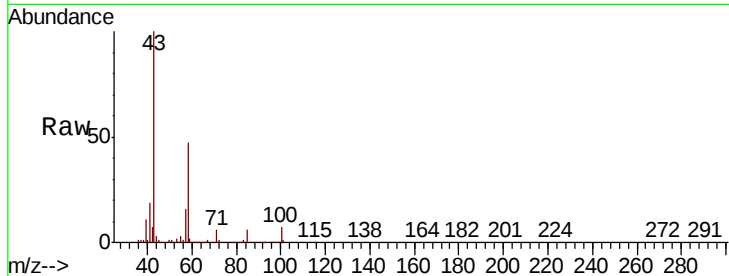
Ion 58.10 (57.80 to 58.80): VL0





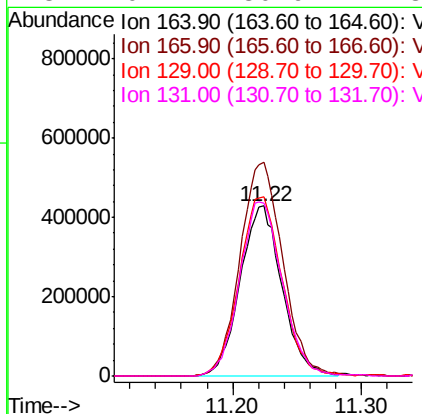
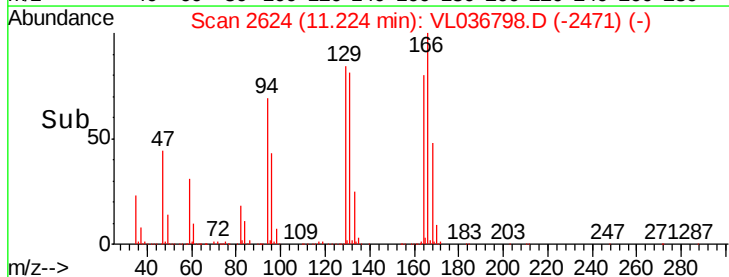
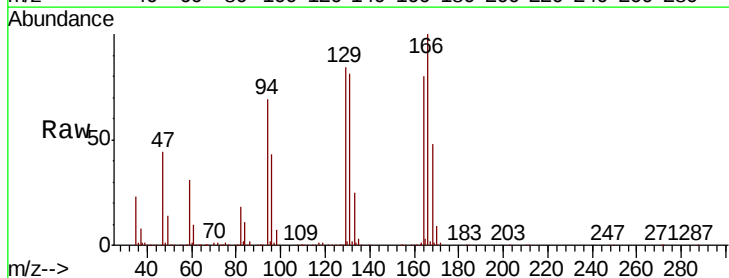
#51
2-Hexanone
Concen: 7.919 ppbv
RT: 10.14 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 11:33

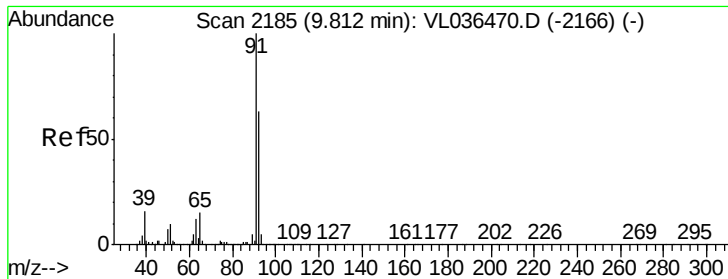
Tot Ion: 43 Resp: 1022713
Ion Ratio Lower Upper
43 100
58 48.6 37.7 56.5
98 1.0 0.2 0.2#



#52
Tetrachloroethene
Concen: 7.824 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.01 min
Lab File: VL036798.D
Acq: 13 Apr 2021 11:33

Tgt Ion: 164 Resp: 962754
Ion Ratio Lower Upper
164 100
166 125.5 98.3 147.5
129 104.9 85.8 128.8
131 101.4 80.9 121.3





#53

Toluene

Concen: 8.922 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

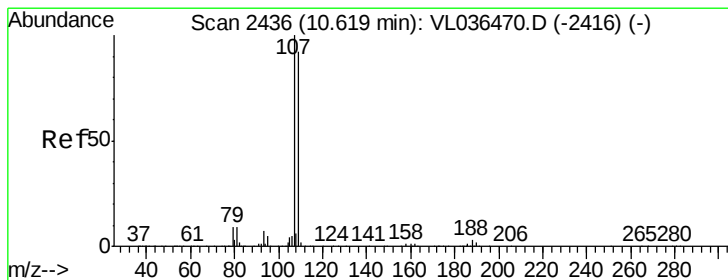
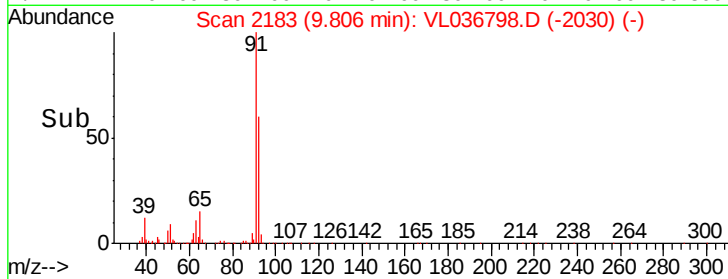
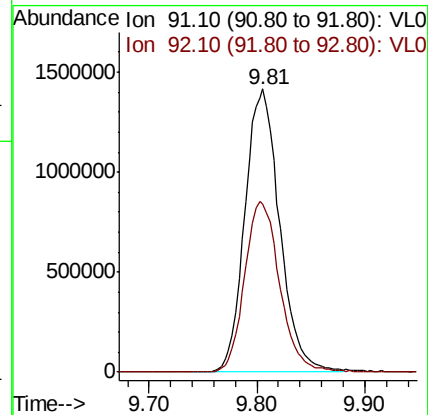
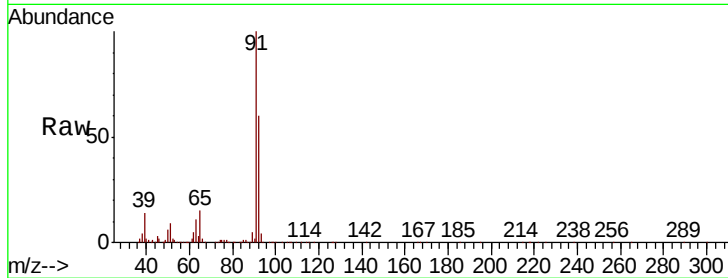
Acq: 13 Apr 2021 11:33

Tot Ion: 91 Resp: 3174937

Ion Ratio Lower Upper

91 100

92 61.3 48.8 73.2



#54

1,2-Dibromoethane

Concen: 8.491 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.01 min

Lab File: VL036798.D

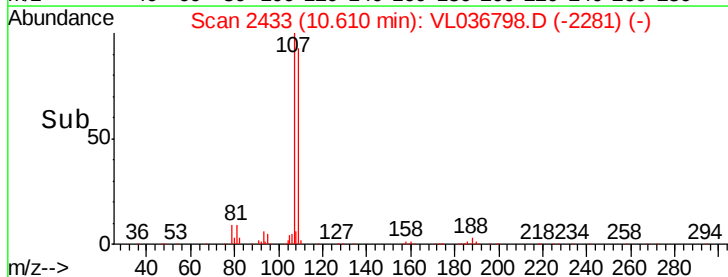
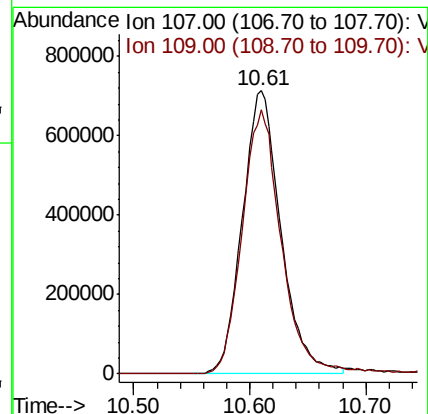
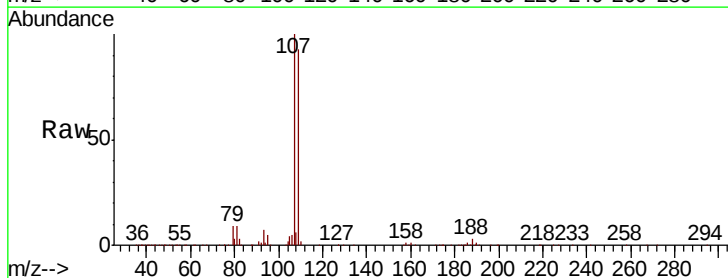
Acq: 13 Apr 2021 11:33

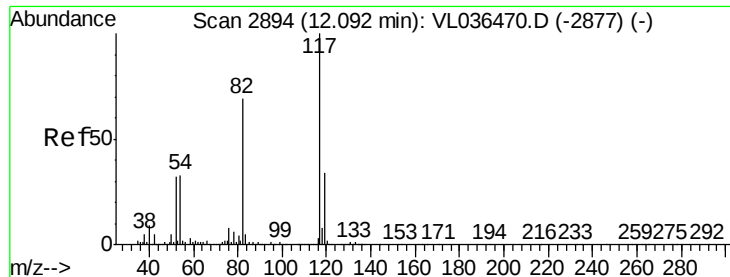
Tgt Ion: 107 Resp: 1646332

Ion Ratio Lower Upper

107 100

109 93.1 73.9 110.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Apr 2021 11:33

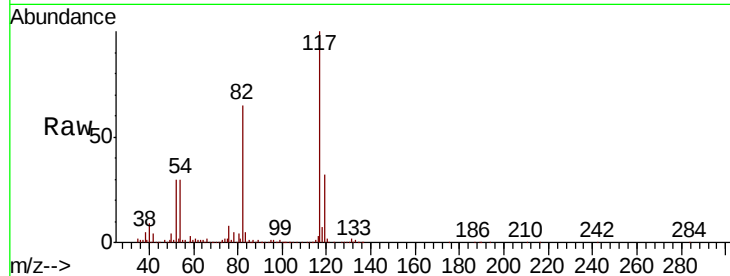
Tot Ion:117 Resp: 3714239

Ion Ratio Lower Upper

117 100

82 53.6 57.4 86.0#

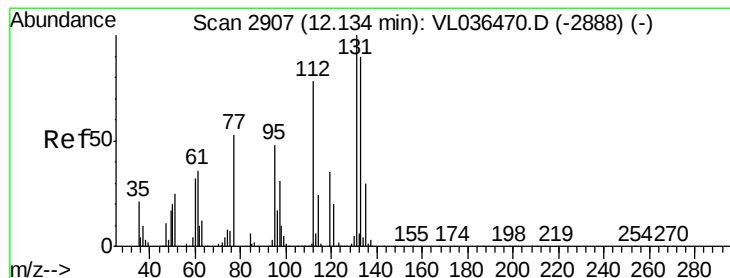
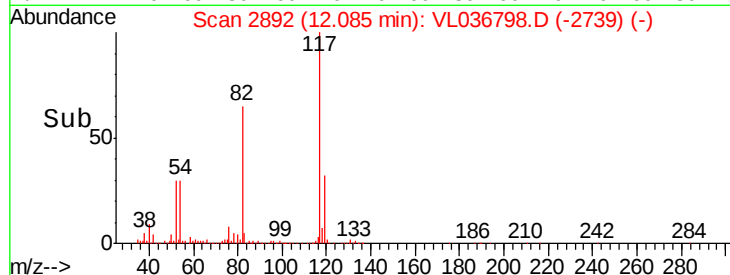
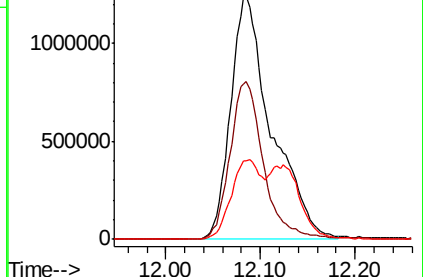
119 26.0 47.4 71.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.929 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

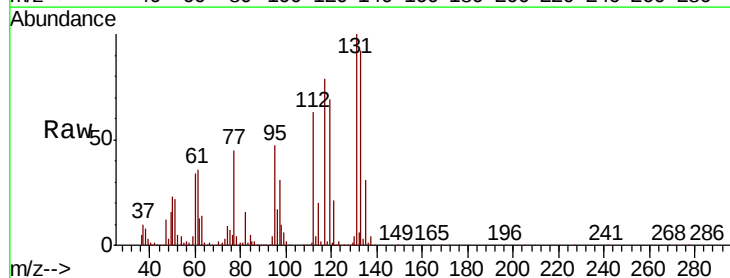
Tgt Ion:131 Resp: 1332004

Ion Ratio Lower Upper

131 100

133 95.5 75.8 113.6

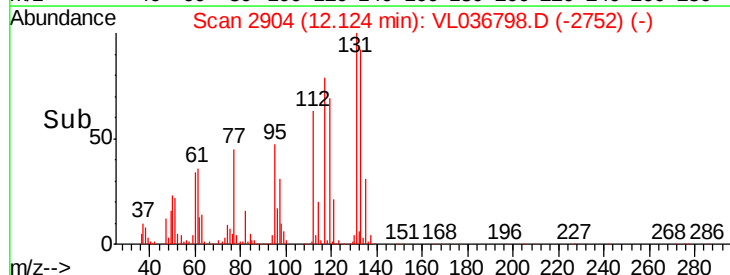
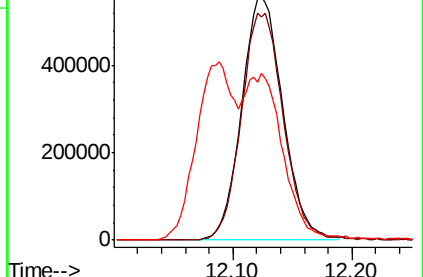
119 133.4 48.7 73.1#

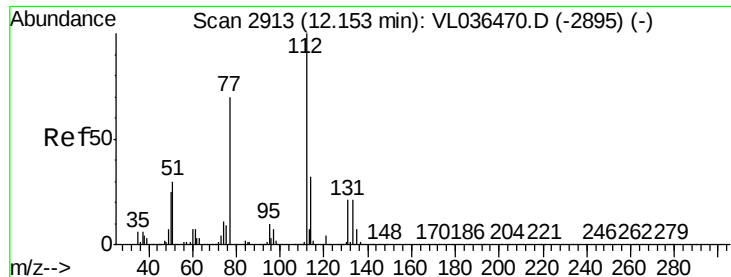


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

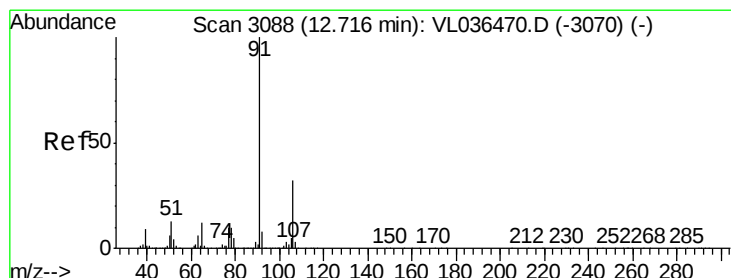
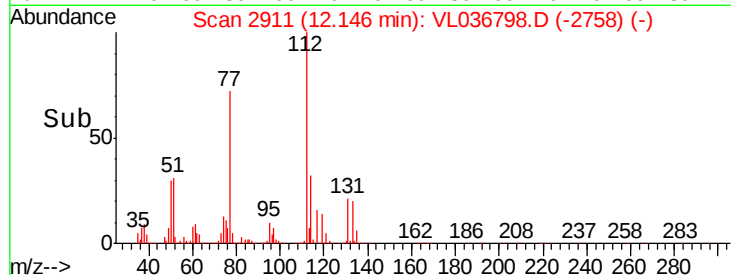
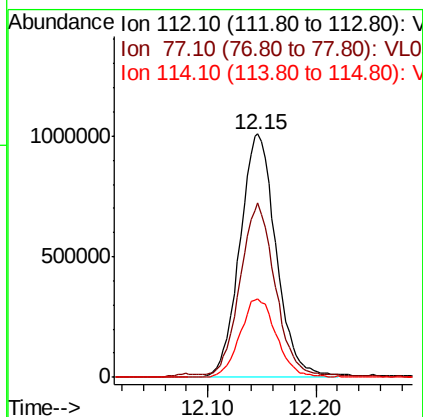
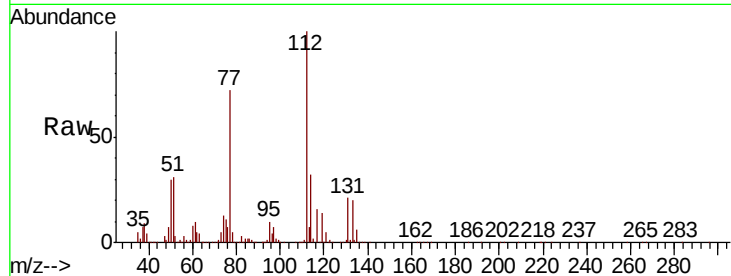
Ion 119.00 (118.70 to 119.70): V





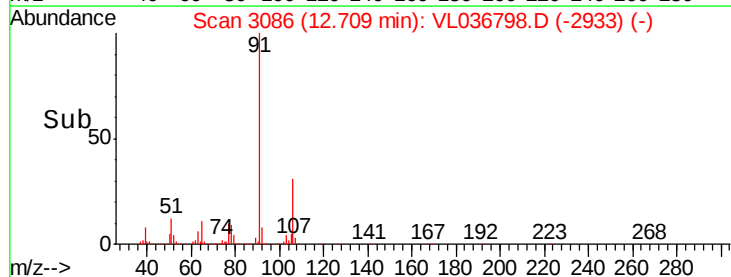
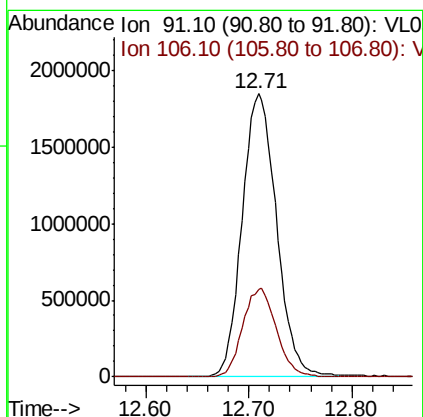
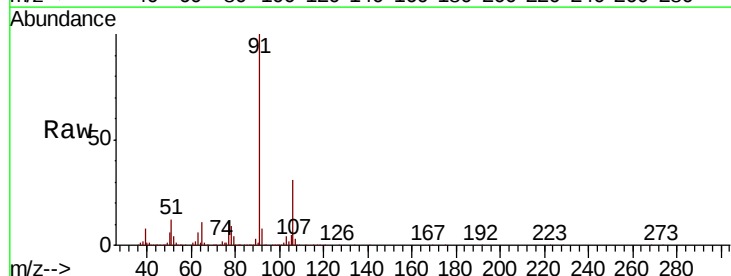
#57
Chlorobenzene
Concen: 7.452 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 11:33

Tot Ion: 112 Resp: 2355208
Ion Ratio Lower Upper
112 100
77 70.9 56.0 84.0
114 32.0 29.0 35.4



#58
Ethyl Benzene
Concen: 7.920 ppbv
RT: 12.71 min Scan# 3086
Delta R.T.: -0.01 min
Lab File: VL036798.D
Acq: 13 Apr 2021 11:33

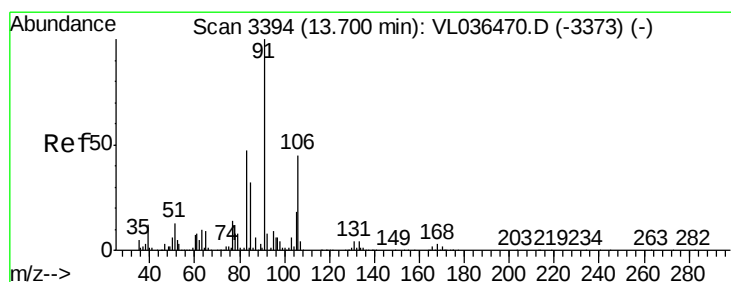
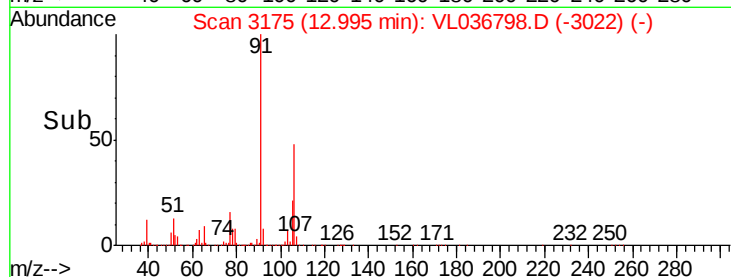
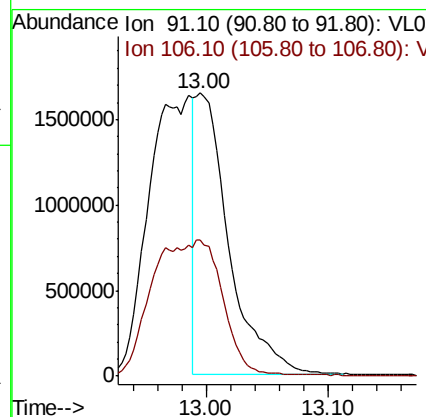
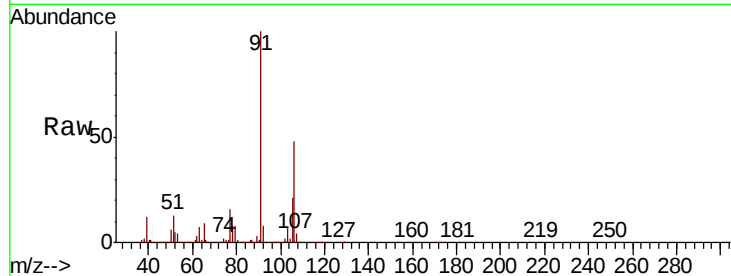
Tgt Ion: 91 Resp: 4279741
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9





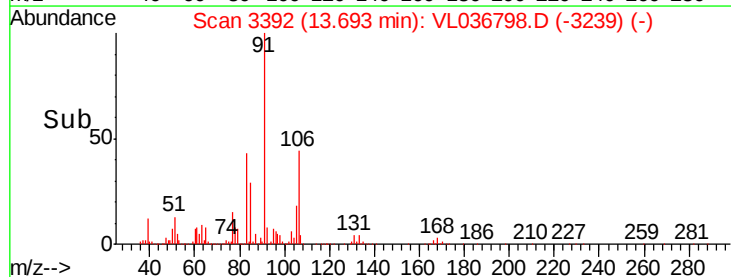
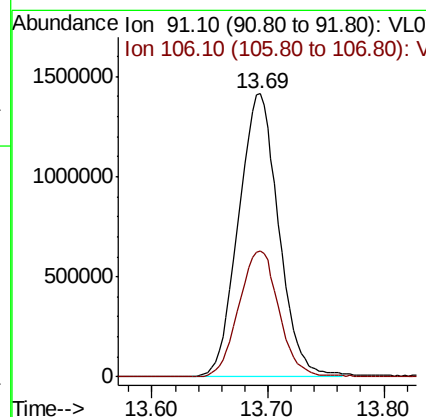
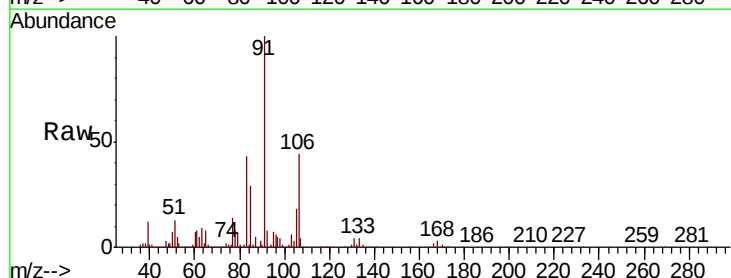
#59
m/p-Xylene
Concen: 6.599 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 13 Apr 2021 11:33

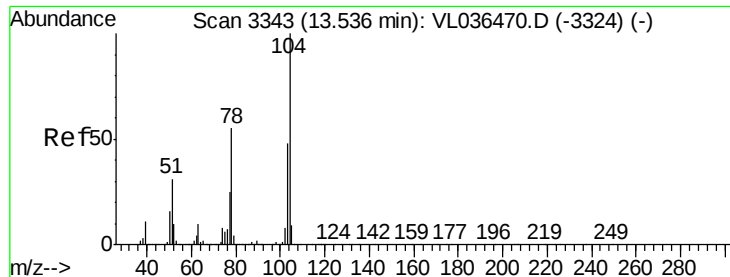
Tot Ion: 91 Resp: 3110258
Ion Ratio Lower Upper
91 100
106 102.8 35.3 52.9#



#60
o-Xylene
Concen: 7.408 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL036798.D
Acq: 13 Apr 2021 11:33

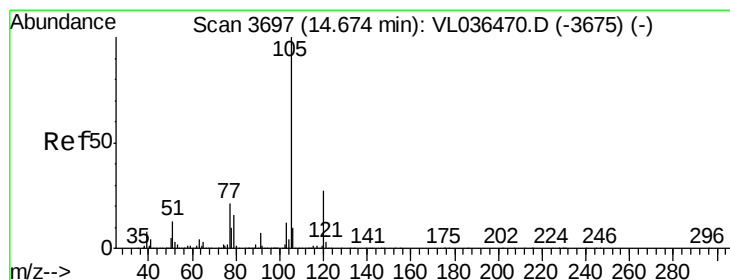
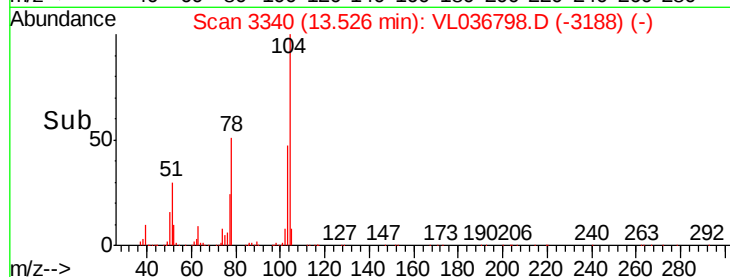
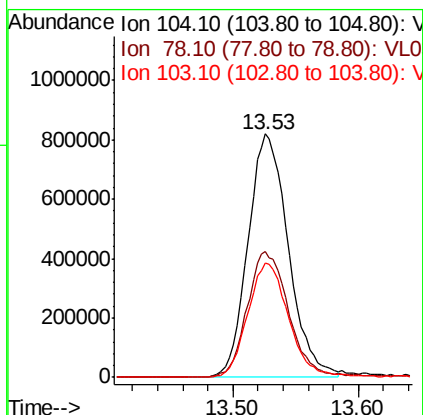
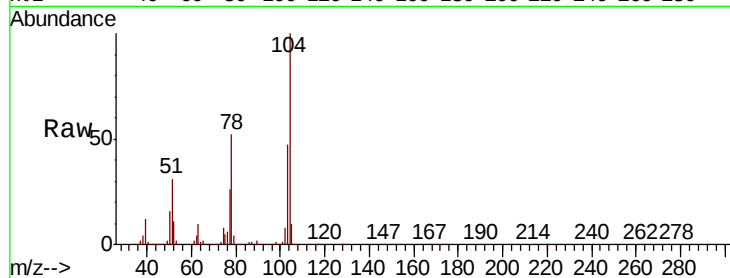
Tgt Ion: 91 Resp: 3376182
Ion Ratio Lower Upper
91 100
106 44.8 22.3 66.9





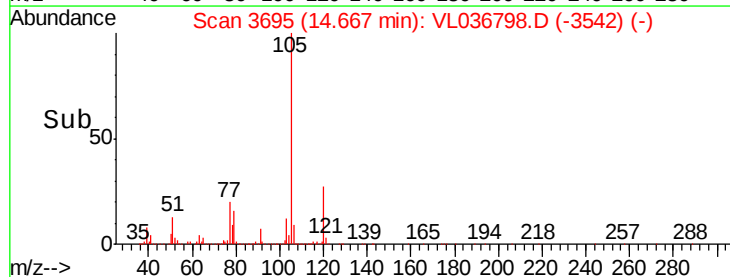
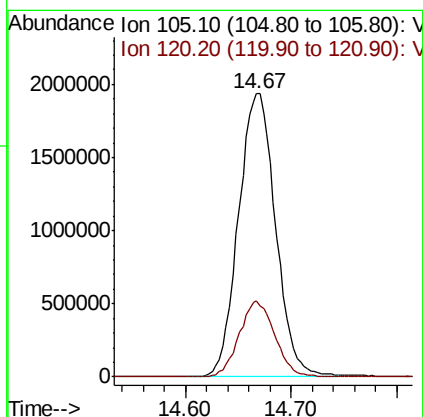
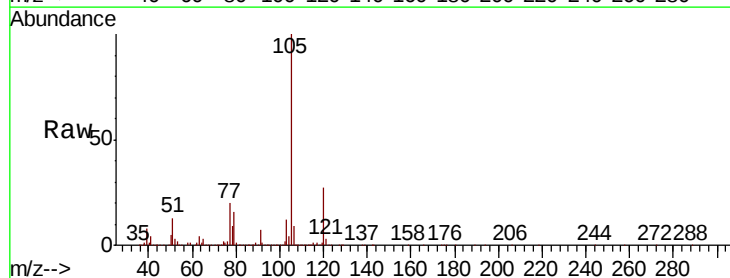
#61
Stvrene
Concen: 8.001 ppbv
RT: 13.53
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 11:33

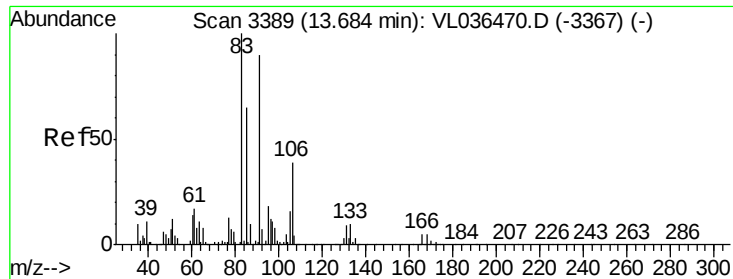
Tot Ion:104 Resp: 1834355
Ion Ratio Lower Upper
104 100
78 53.6 43.8 65.8
103 48.0 38.3 57.5



#62
Isopropylbenzene
Concen: 7.715 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.01 min
Lab File: VL036798.D
Acq: 13 Apr 2021 11:33

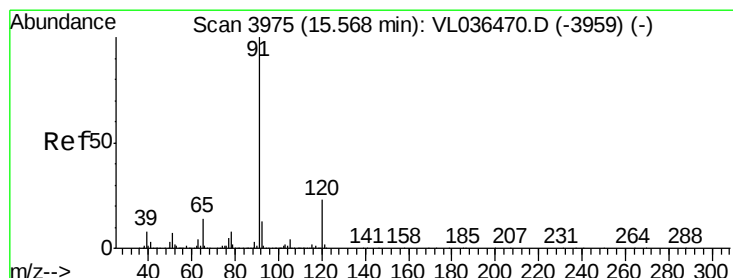
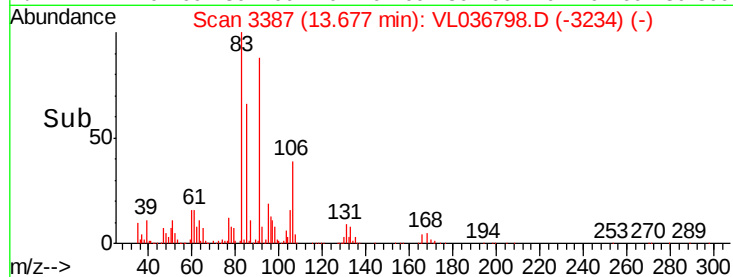
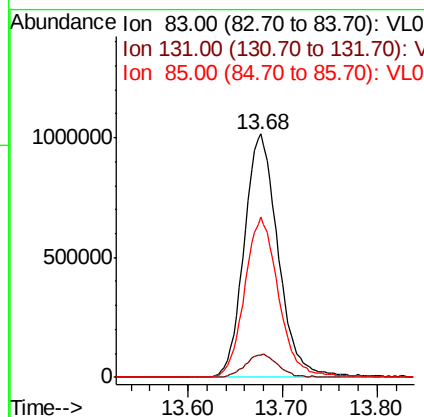
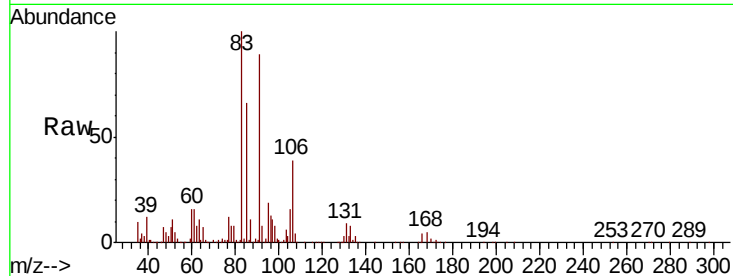
Tgt Ion:105 Resp: 4734637
Ion Ratio Lower Upper
105 100
120 25.8 20.6 31.0





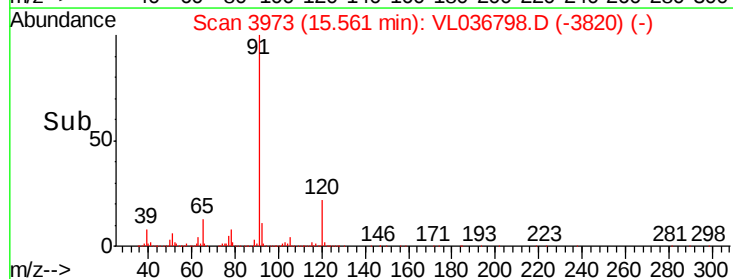
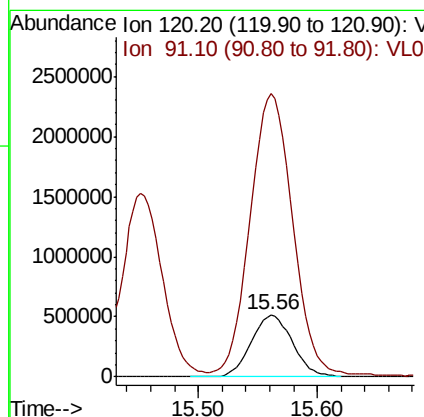
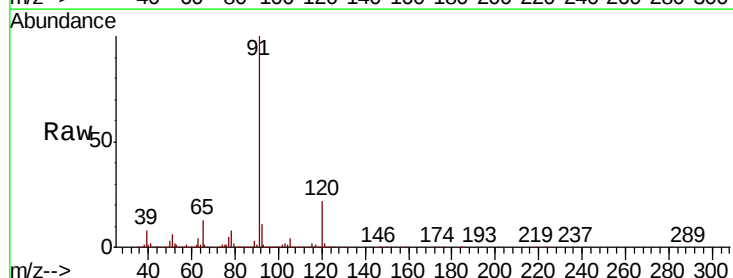
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.259 ppbv
 RT: 13.68 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 11:33

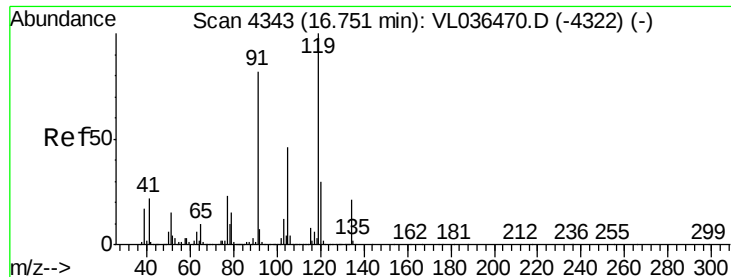
Tot Ion: 83 Resp: 2523620
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.0
 85 66.8 33.1 99.3



#64
 n-propylbenzene
 Concen: 8.222 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. -0.01 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

Tgt Ion: 120 Resp: 1233647
 Ion Ratio Lower Upper
 120 100
 91 476.7 377.4 566.2

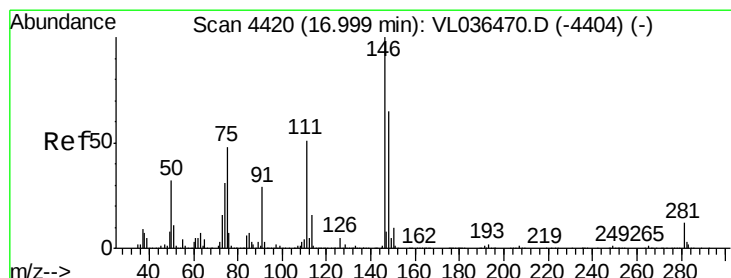
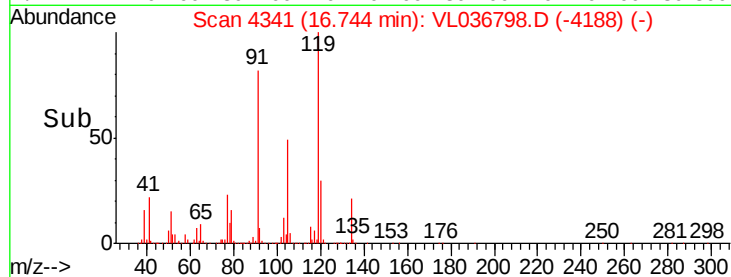
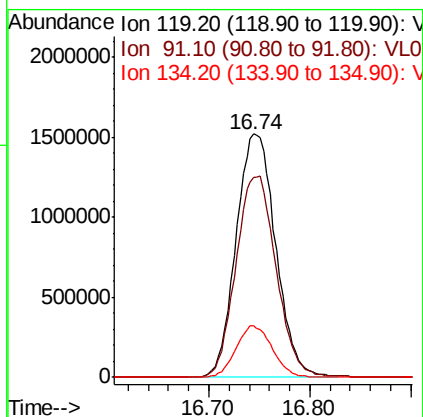
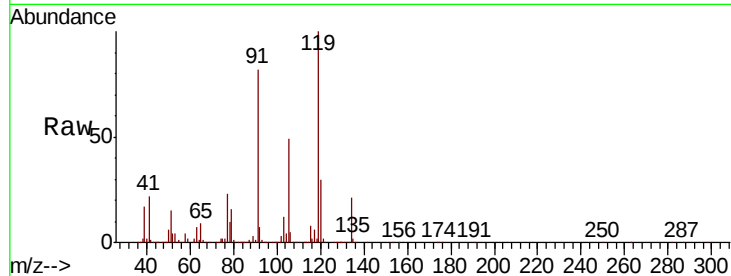




#65
tert-Butylbenzene
Concen: 7.775 ppbv
RT: 16.74 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 13 Apr 2021 11:33

Tot Ion: 119 Resp: 4137452

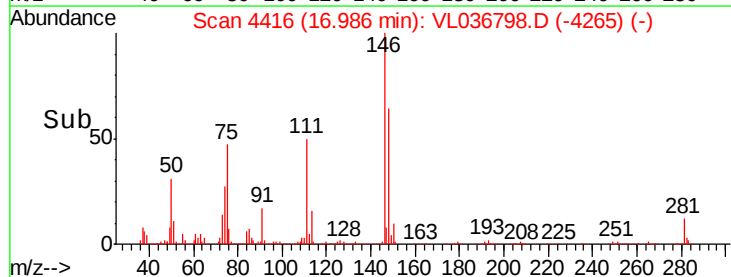
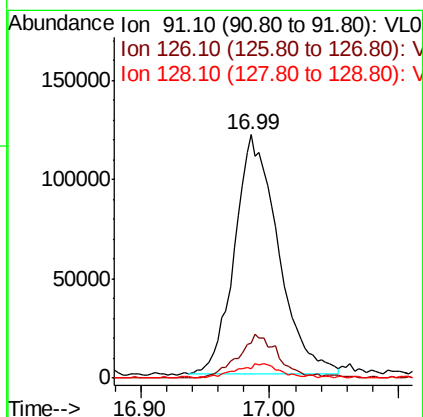
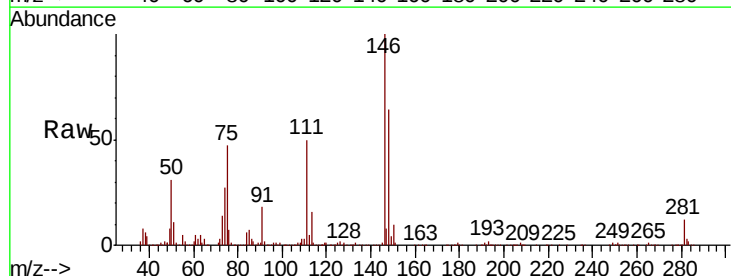
Ion	Ratio	Lower	Upper
119	100		
91	84.4	67.5	101.3
134	19.6	15.8	23.8

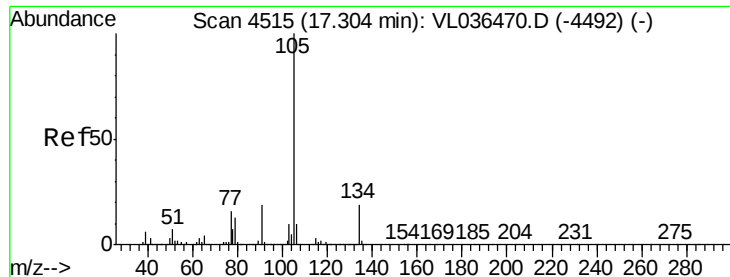


#66
Benzyl Chloride
Concen: 4.805 ppbv
RT: 16.99 min Scan# 4416
Delta R.T.: -0.01 min
Lab File: VL036798.D
Acq: 13 Apr 2021 11:33

Tgt Ion: 91 Resp: 282609

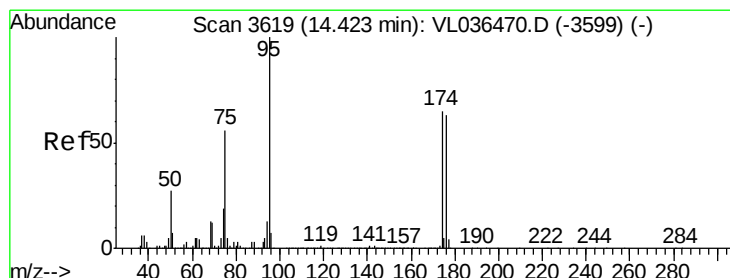
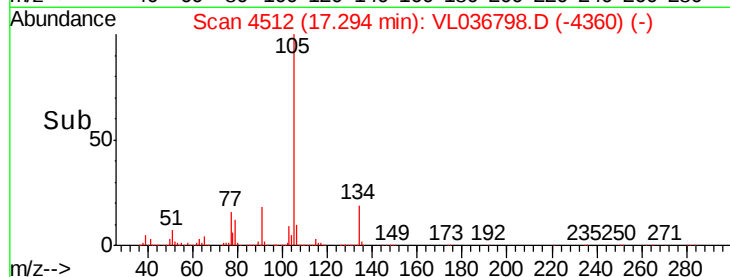
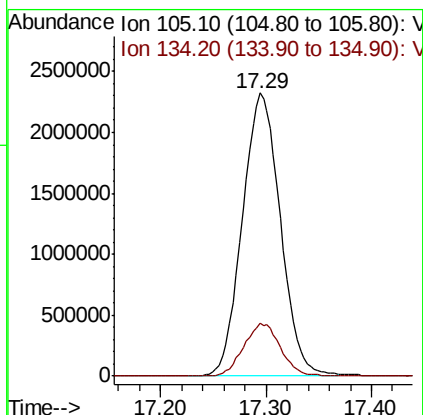
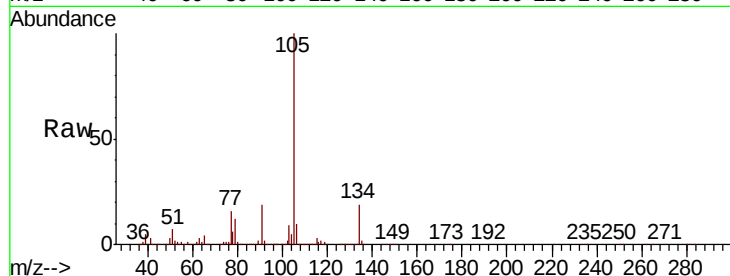
Ion	Ratio	Lower	Upper
91	100		
126	17.7	13.5	20.3
128	6.7	4.2	6.4





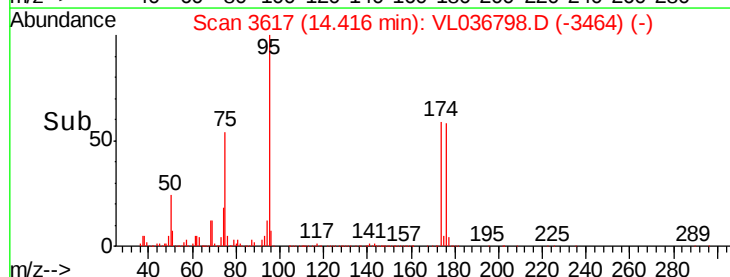
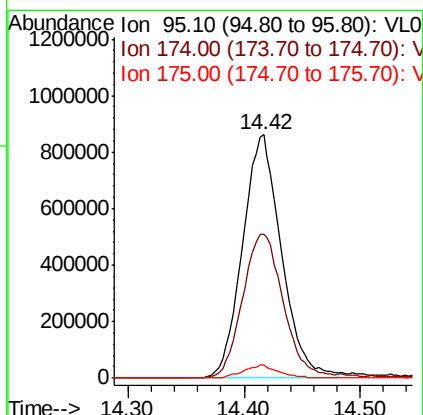
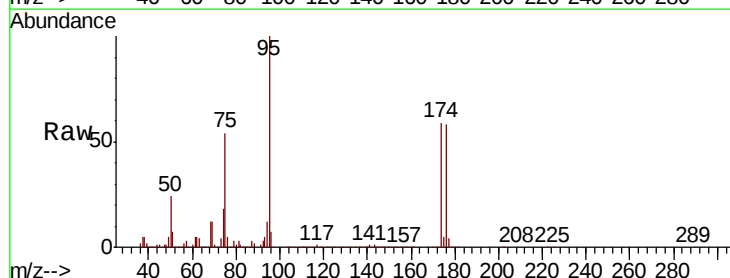
#67
 sec-Butylbenzene
 Concen: 7.737 ppbv
 RT: 17.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 11:33

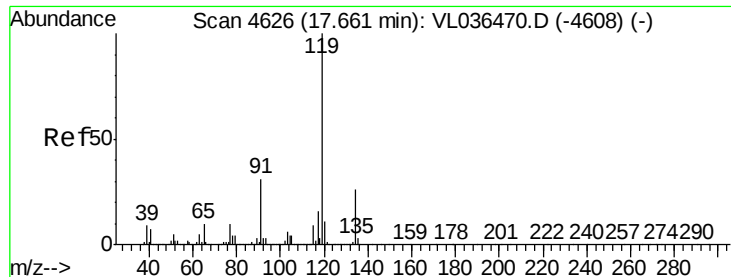
Tot Ion: 105 Resp: 5812250
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 6.782 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

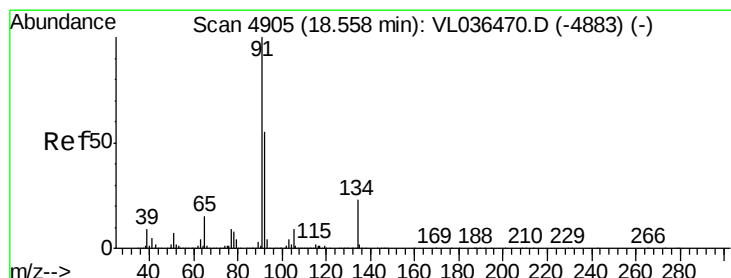
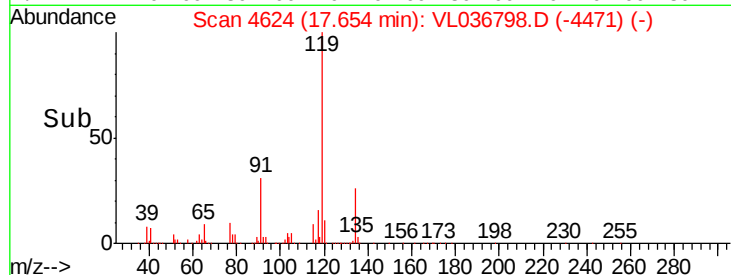
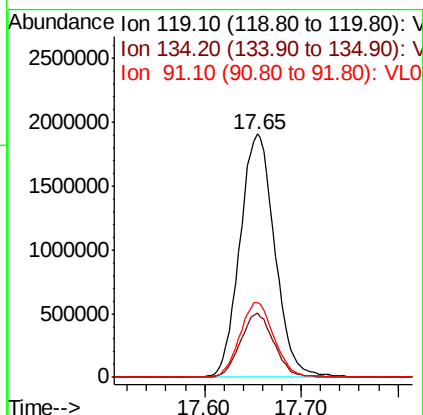
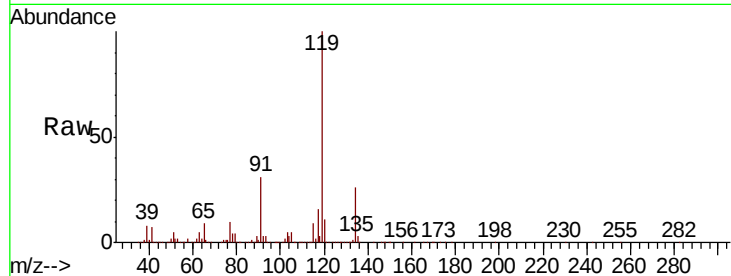
Tgt Ion: 95 Resp: 2007737
 Ion Ratio Lower Upper
 95 100
 174 63.8 51.0 76.6
 175 5.1 3.9 5.9





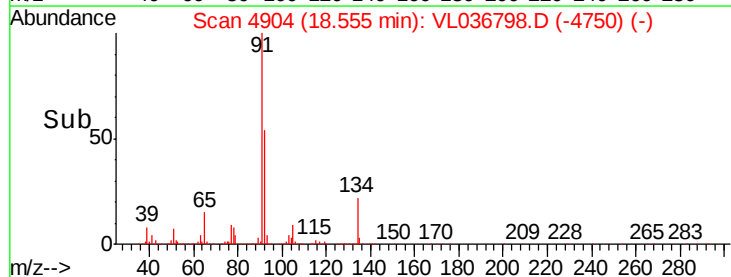
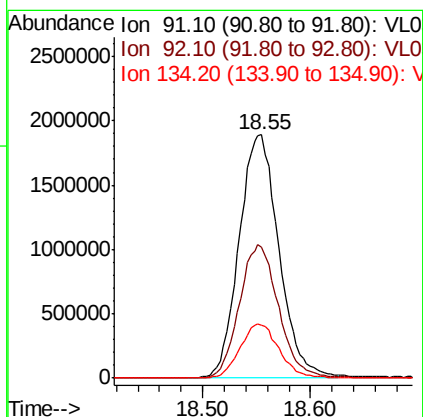
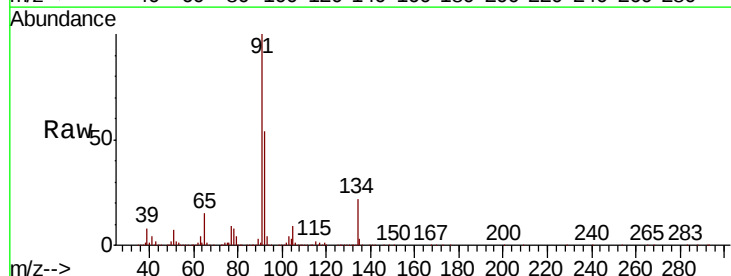
#69
 p-Isopropyltoluene
 Concen: 8.141 ppbv
 RT: 17.65 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 11:33

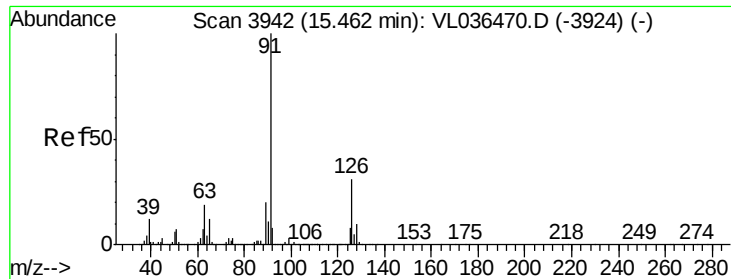
Tot Ion:	119	Resp:	4775230
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.6	30.8
91	30.3	25.0	37.6



#70
 n-Butylbenzene
 Concen: 7.988 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. -0.00 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

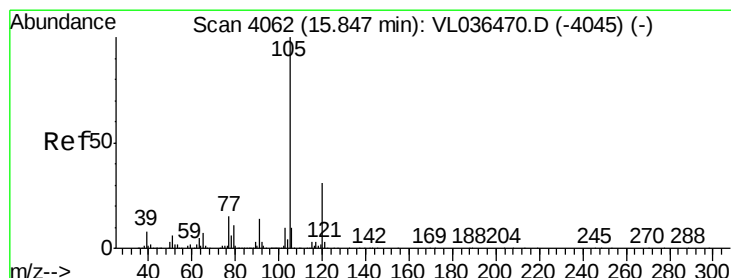
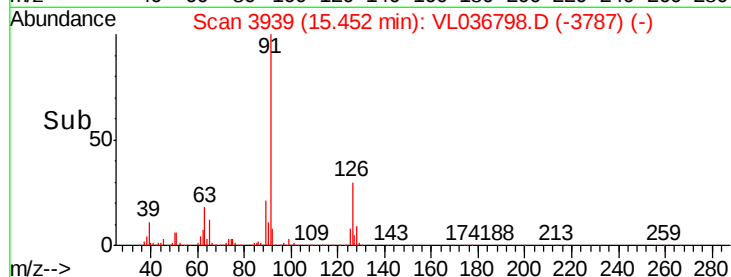
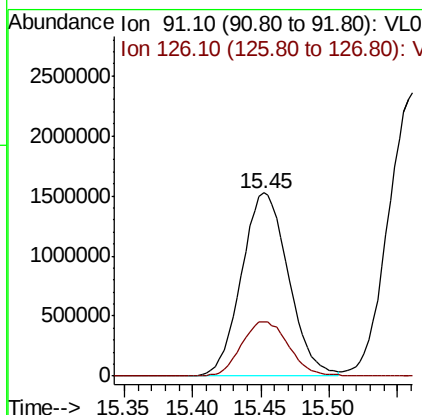
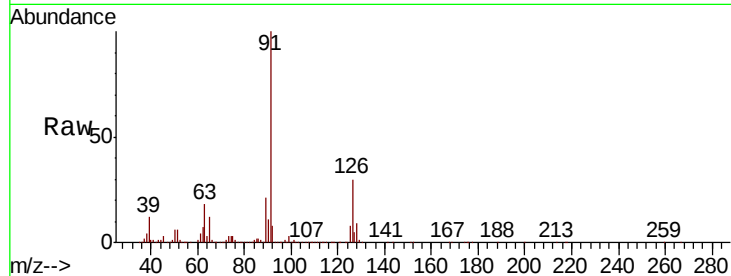
Tgt Ion:	91	Resp:	4858690
Ion	Ratio	Lower	Upper
91	100		
92	54.2	43.8	65.8
134	22.0	18.0	27.0





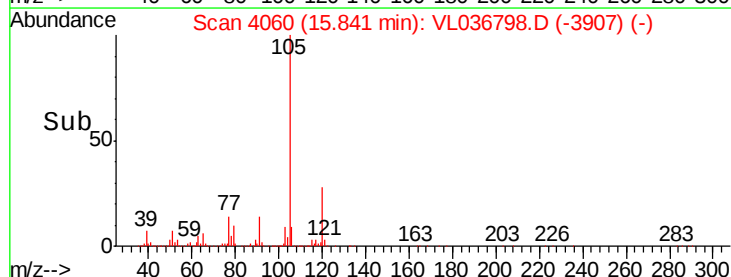
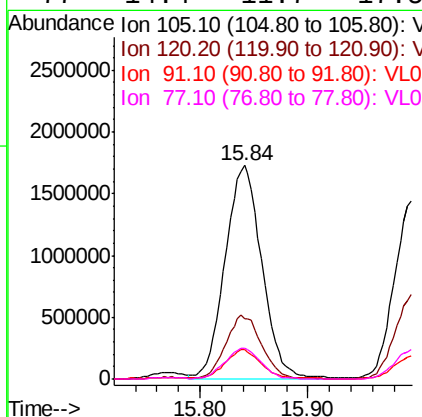
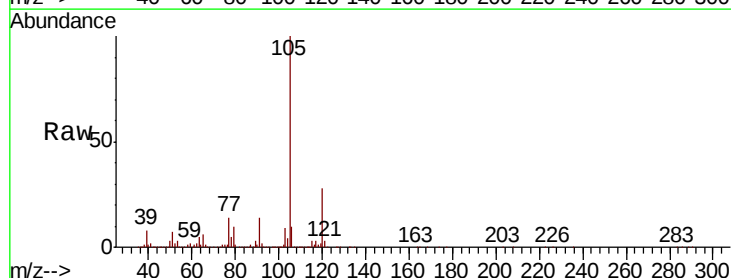
#71
 2-Chlorotoluene
 Concen: 7.915 ppbv
 RT: 15.45
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 13 Apr 2021 11:33

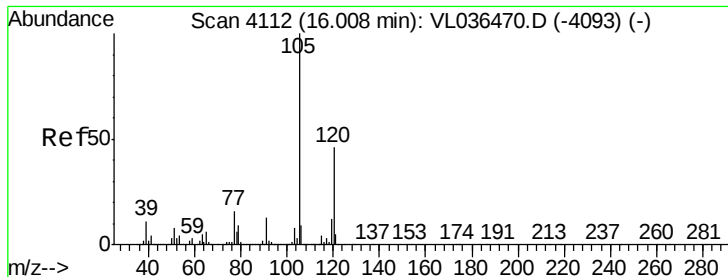
Tot Ion: 91 Resp: 3639833
 Ion Ratio Lower Upper
 91 100
 126 30.4 12.1 48.5



#72
 4-Ethyltoluene
 Concen: 8.194 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. -0.01 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

Tgt Ion:105 Resp: 4091679
 Ion Ratio Lower Upper
 105 100
 120 29.4 24.0 36.0
 91 13.0 11.0 16.4
 77 14.4 11.7 17.5





#73

1,3,5-Trimethylbenzene

Concen: 7.720 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

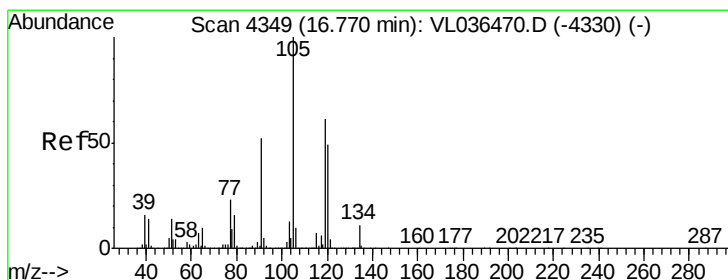
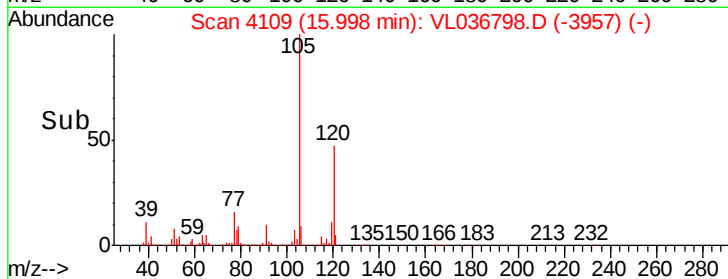
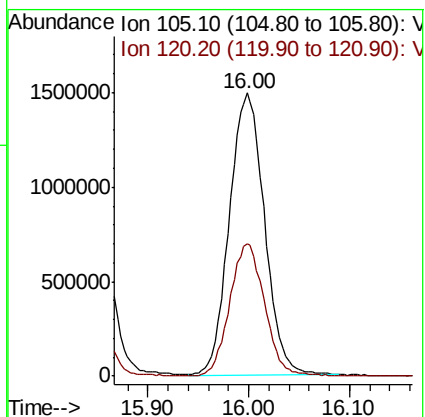
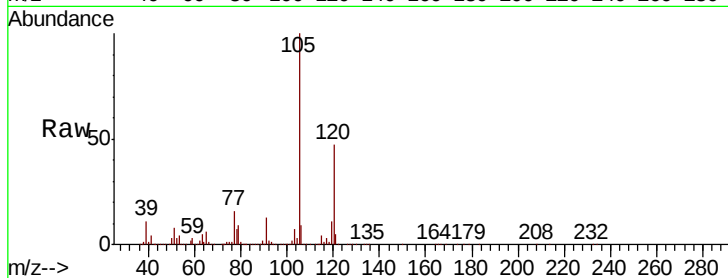
Acq: 13 Apr 2021 11:33

Tot Ion:105 Resp: 3598180

Ion Ratio Lower Upper

105 100

120 47.0 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 7.518 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.01 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

Tgt Ion:105 Resp: 3749752

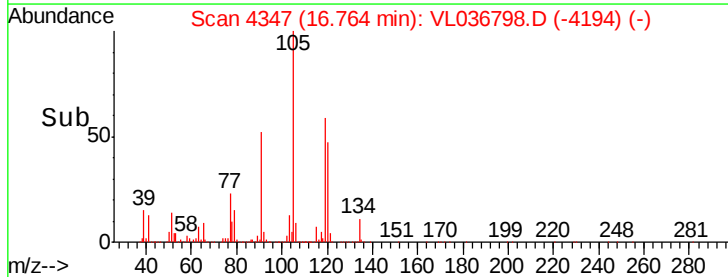
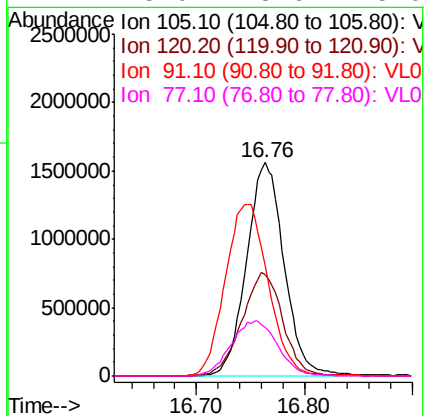
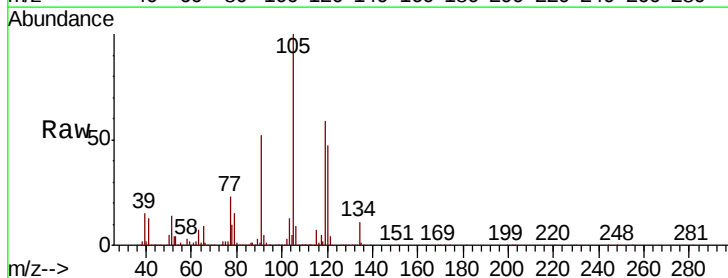
Ion Ratio Lower Upper

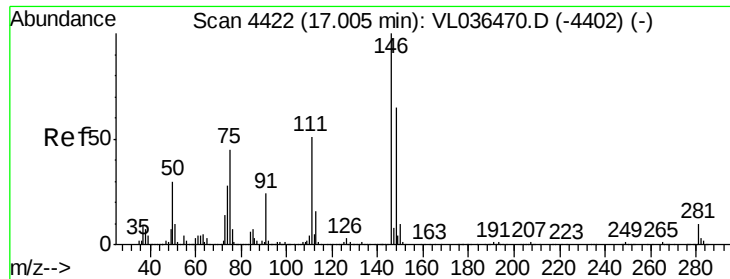
105 100

120 47.4 39.2 58.8

91 51.3 42.6 64.0

77 23.0 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 7.847 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File:

Acq: 13 Apr 2021 11:33

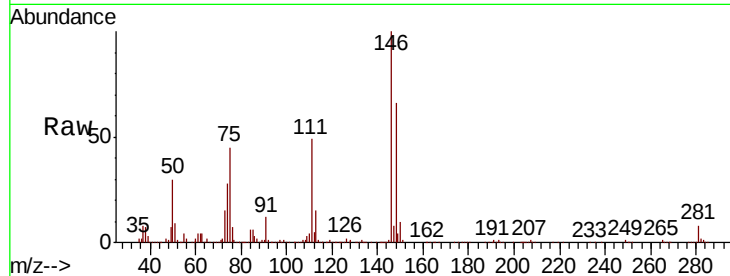
Tot Ion:146 Resp: 2202872

Ion Ratio Lower Upper

146 100

111 48.9 24.5 73.5

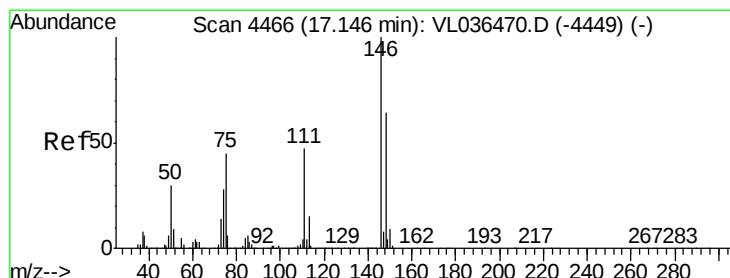
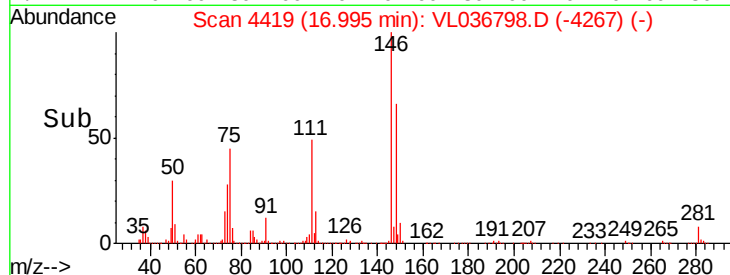
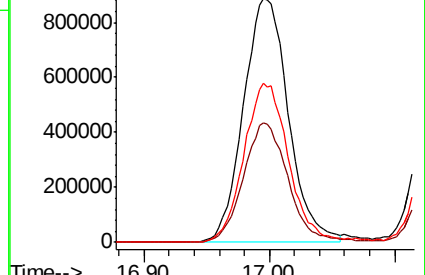
148 65.3 32.3 96.9



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: 7.605 ppbv

RT: 17.14 min Scan# 4464

Delta R.T. -0.01 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

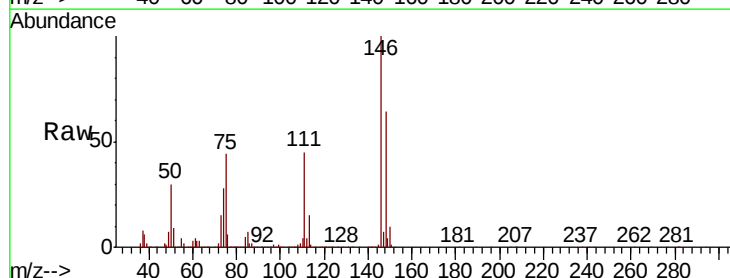
Tgt Ion:146 Resp: 2119933

Ion Ratio Lower Upper

146 100

111 48.3 24.3 72.8

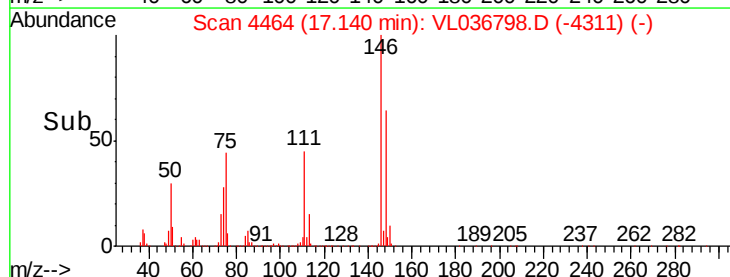
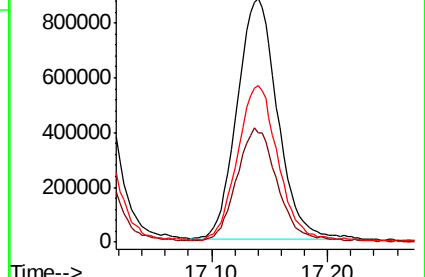
148 66.4 33.0 98.9

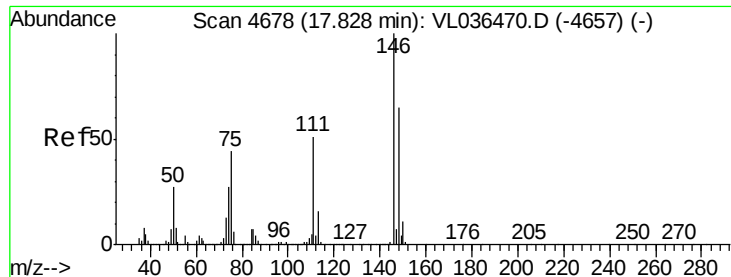


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

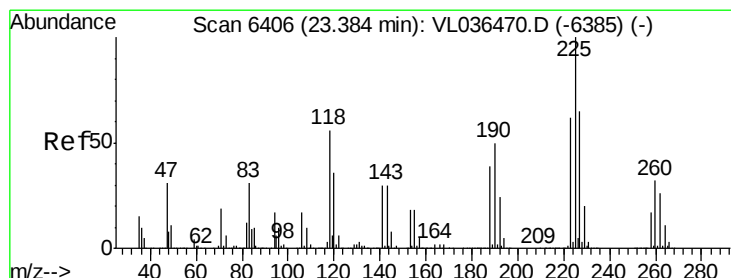
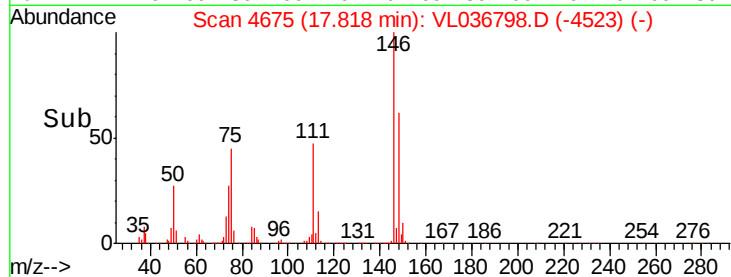
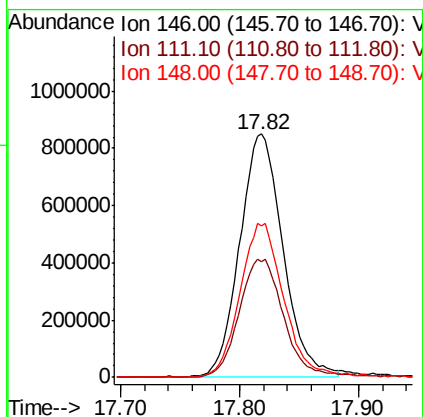
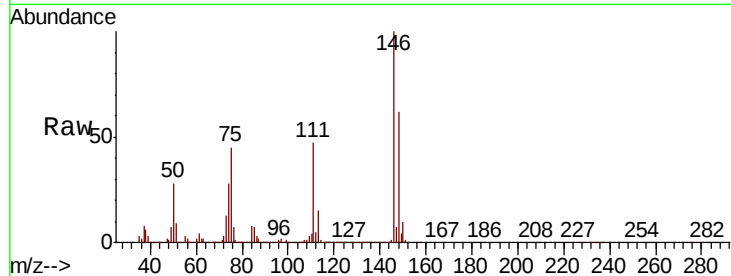
Ion 148.00 (147.70 to 148.70): V





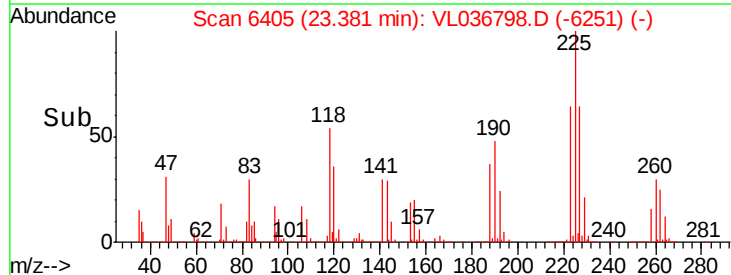
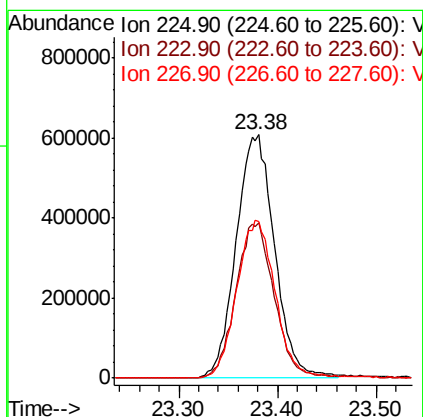
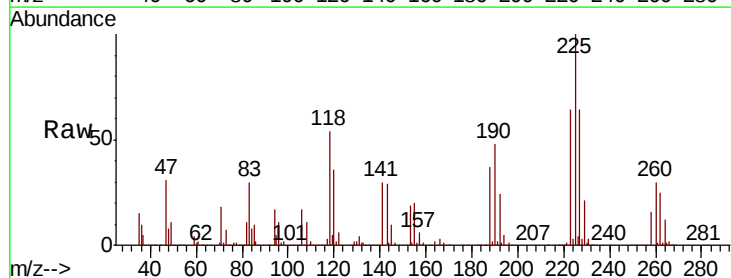
#77
 1,2-Dichlorobenzene
 Concen: 8.087 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 11:33

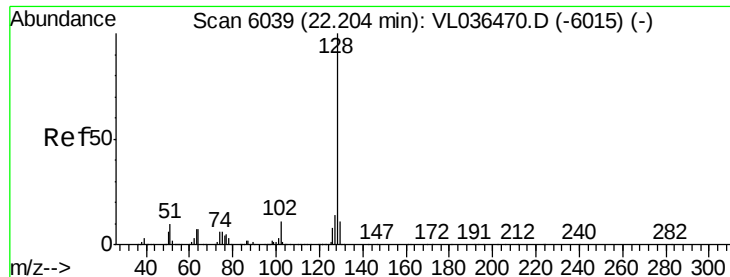
Tot Ion:146 Resp: 2134124
 Ion Ratio Lower Upper
 146 100
 111 50.4 25.5 76.5
 148 64.2 32.9 98.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.940 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.00 min
 Lab File: VL036798.D
 Acq: 13 Apr 2021 11:33

Tgt Ion:225 Resp: 1640245
 Ion Ratio Lower Upper
 225 100
 223 64.6 50.6 75.8
 227 65.8 52.2 78.2





#79

Naphthalene

Concen: 8.489 ppbv

RT: 22.20 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 13 Apr 2021 11:33

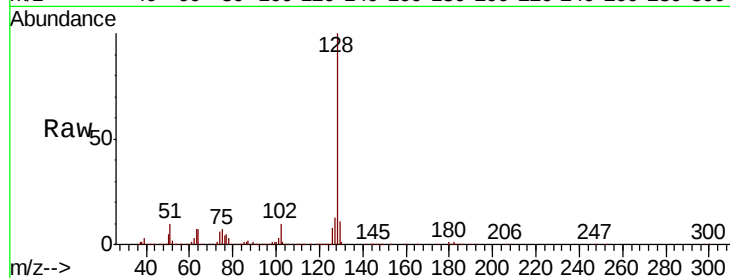
Tot Ion:128 Resp: 2470509

Ion Ratio Lower Upper

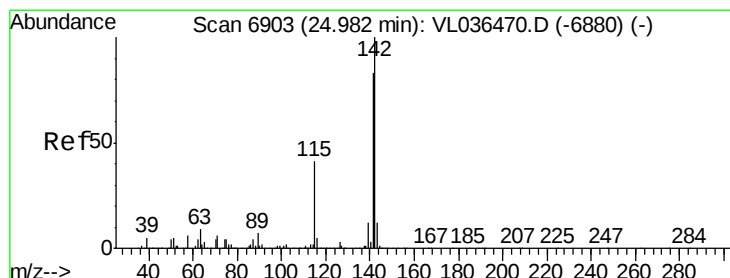
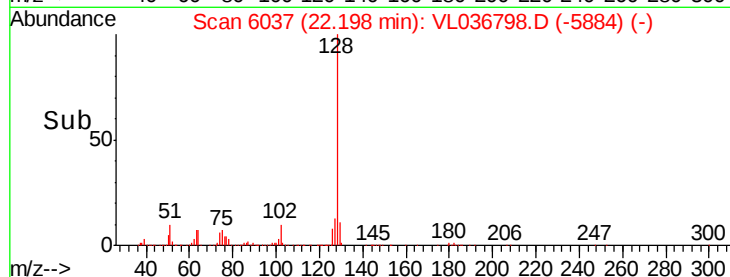
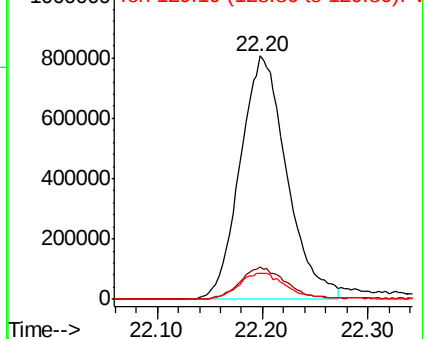
128 100

127 13.2 10.9 16.3

129 10.8 9.0 13.4



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



#80

Naphthalene, 2-methyl-

Concen: 7.160 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. -0.00 min

Lab File: VL036798.D

Acq: 13 Apr 2021 11:33

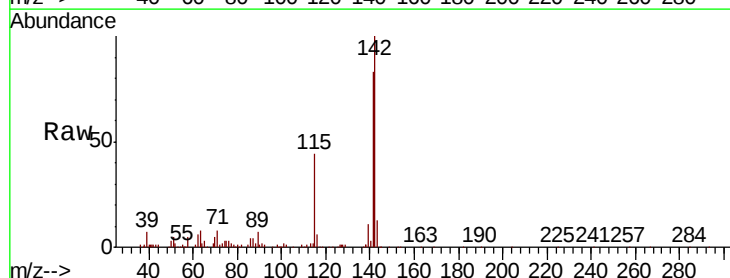
Tgt Ion:142 Resp: 410912

Ion Ratio Lower Upper

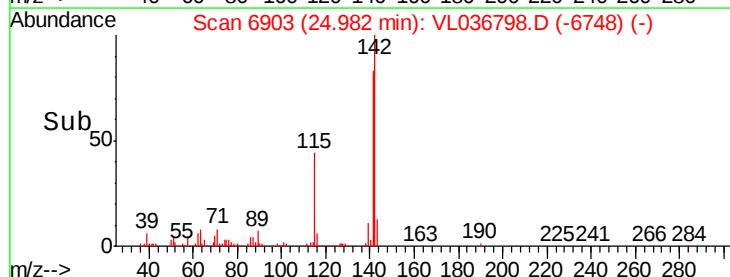
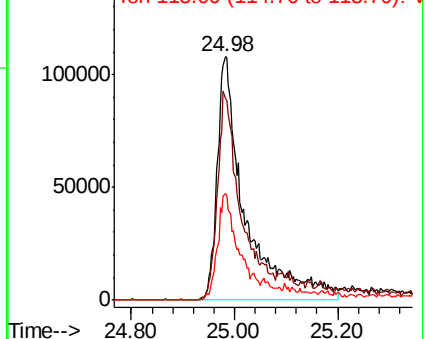
142 100

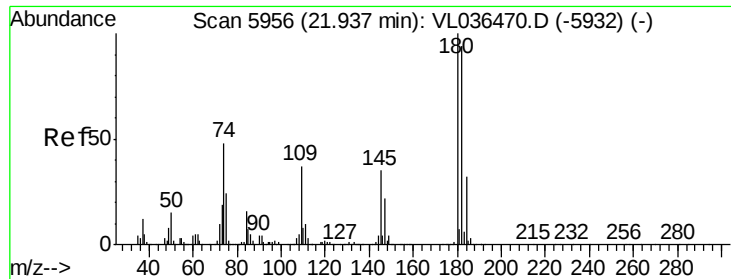
141 77.5 67.8 101.8

115 41.3 34.0 51.0



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: 8.285 ppbv
 RT: 21.93
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Apr 2021 11:33

Tot Ion:180 Resp: 1488761
 Ion Ratio Lower Upper
 180 100
 182 100.6 80.8 121.2
 184 31.3 25.0 37.4

